

# **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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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 Chickasaw County: Overview	3
Strengths	3
	4
	5
Using Story County as an Example	6
Health Status	7
Poor General Health	7
Poor Physical Health	8
Poor Mental Health	8
Health Risk Behaviors	9
Binge Drinking	9
Current Smoking	10
Physical Inactivity	10
Sleep <7 hours	11
Health Outcomes	12
Arthritis	12
High Blood Pressure	13
	13
	14
	14
	15
	15
	16
High Cholesterol	16
Chronic Kidney Disease	17
Obesity	17
Stroke	18
All Teeth Lost	18
Prevention	19
Lack of Health Insurance	19
	20
5	20
	21
	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 wom	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: Chickasaw County PLACES Data	32
Appendix 3: Rural Counties	34
Appendix 4: County Maps	36

### Health in Chickasaw County: Overview

Dear Community Members & Stakeholders of Chickasaw 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 Chickasaw County ranks across various health measures compared to the rest of the state and similarly-sized counties. This comparison allows us to identify Chickasaw 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 Chickasaw 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
Colorectal Cancer Screening	17th	8th	Chronic Kidney Disease	17th	9th
Cervical Cancer Screening	20th	7th	Diabetes	20th	11th
Cholesterol Screening	25th	19th	Colorectal Cancer Screening	21st	7th
Core preventive services for older men	28th	12th	Stroke	23rd	10th
Current Asthma	28th	15th	Cervical Cancer Screening	25th	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		Ag	ge-Adjusted	
Health Domain	Statewide County Rank	Rural County Rank	Health Domain	Statewide County Rank	Rural County Rank
Obesity	76th	44th	Taking BP Medication	88th	58th
Arthritis	70th	38th	Binge Drinking	83rd	57th
Binge Drinking	67th	54th	Obesity	74th	43rd
Cancer (except skin)	64th	31st	Mammography	72nd	44th
Mammography	64th	40th	Annual Checkup	68th	41st

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 Chickasaw County.

Sincerely,

Show

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

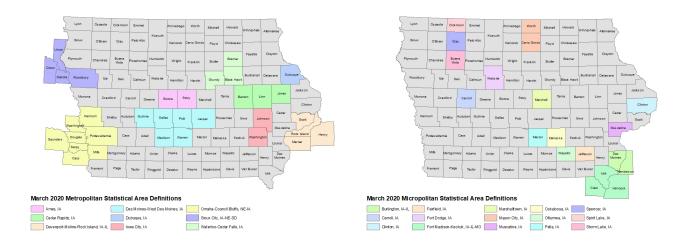
The purpose of the Iowa County Health Snapshot Series is to provide an overview of health in Chickasaw County that can be used to help inform health-related interventions and programming. This report contains five sections, including the overall health status of Chickasaw County, a review of risky behaviors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

With a population of 11,887, Chickasaw 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

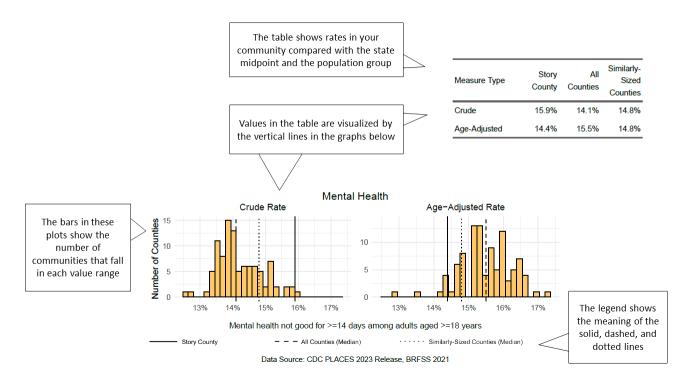
The counties included in each category above are determined by the United States Office of Management and Budget. Iowa has counties in nine metropolitan statistical areas and 15 micropolitan statistical areas. The counties identified as metropolitan and micropolitan can be found in the link and the maps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

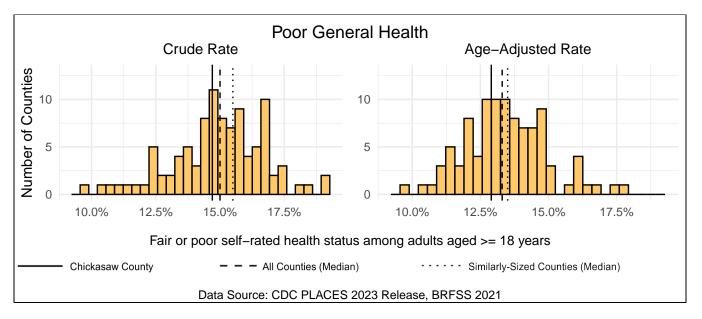
This section reflects measures for overall health, including general, physical, and mental health. These measures are a valuable way to see a simple summary of the health of a country's population. The questions to calculate these measures ask respondents to evaluate their health status. General health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

Chickasaw County has a crude rate of 14.7% for fair or poor self-rated health status among adults aged >= 18 years, which ranks 40th out of 99 lowa counties (18th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 12.9%, which ranks 33rd out of 99 lowa counties (16th out of 63 similarly-sized counties).

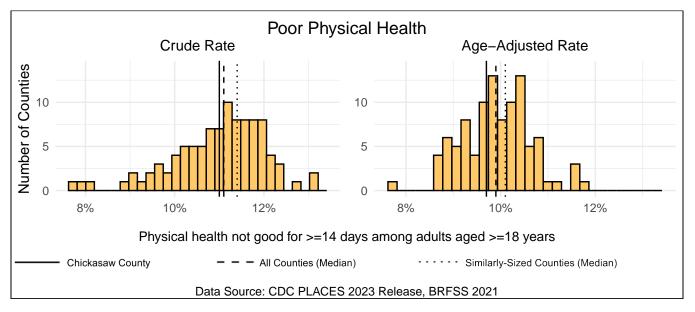
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	14.7%	15.0%	15.5%
Age-Adjusted	12.9%	13.3%	13.5%



#### **Poor Physical Health**

Chickasaw 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 lowa counties (18th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 9.7%, which ranks 35th out of 99 lowa counties (16th out of 63 similarly-sized counties).

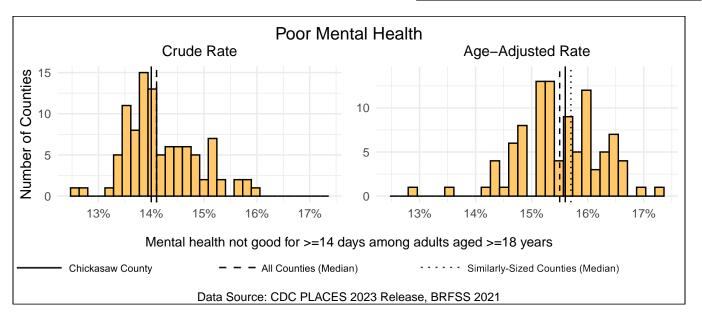
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	11.0%	11.1%	11.4%
Age-Adjusted	9.7%	9.9%	10.1%



#### **Poor Mental Health**

Chickasaw County has a crude rate of 14.0% for mental health not good for >=14 days among adults aged >=18 years, which ranks 43rd out of 99 lowa counties (26th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 15.6%, which ranks 53rd out of 99 lowa counties (27th out of 63 similarly-sized counties).

Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	14.0%	14.1%	14.1%
Age-Adjusted	15.6%	15.5%	15.7%



### **Health Risk Behaviors**

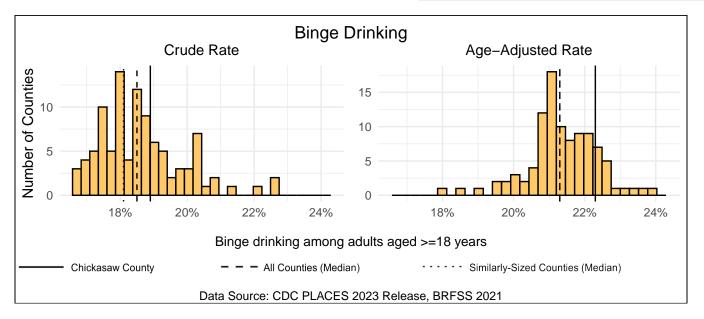
Health risk measures are measures of individual behaviors that can lead to poor health outcomes. These include binge drinking, current smoking, physical inactivity, and getting less than seven hours of nightly sleep. Risk behaviors are the most critical intervention points as they can help save lives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

Chickasaw County has a crude rate of 18.9% for binge drinking among adults aged >=18 years, which ranks 67th out of 99 lowa counties (54th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 22.3%, which ranks 83rd out of 99 lowa counties (57th out of 63 similarly-sized counties).

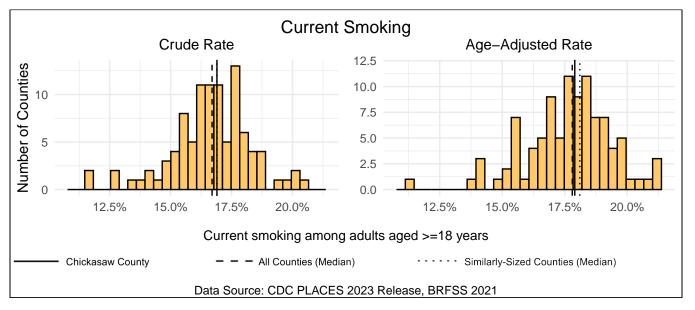
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	18.9%	18.5%	18.1%
Age-Adjusted	22.3%	21.3%	21.3%



#### **Current Smoking**

Chickasaw County has a crude rate of 16.9% for current smoking among adults aged >=18 years, which ranks 55th out of 99 lowa counties (31st out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 17.9%, which ranks 51st out of 99 lowa counties (25th out of 63 similarly-sized counties).

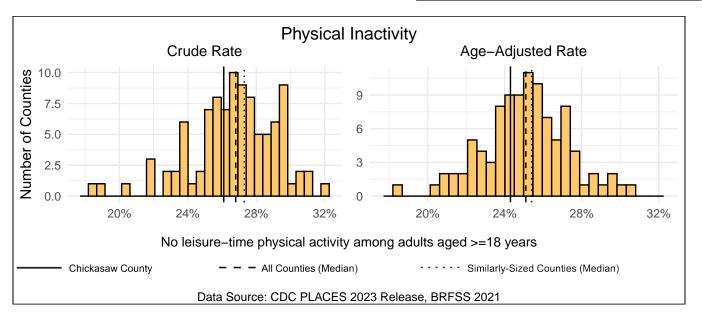
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	16.9%	16.7%	16.9%
Age-Adjusted	17.9%	17.8%	18.1%



#### **Physical Inactivity**

Chickasaw County has a crude rate of 26.1% for no leisure-time physical activity among adults aged >=18 years, which ranks 35th out of 99 lowa counties (16th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 24.3%, which ranks 33rd out of 99 lowa counties (16th out of 63 similarly-sized counties).

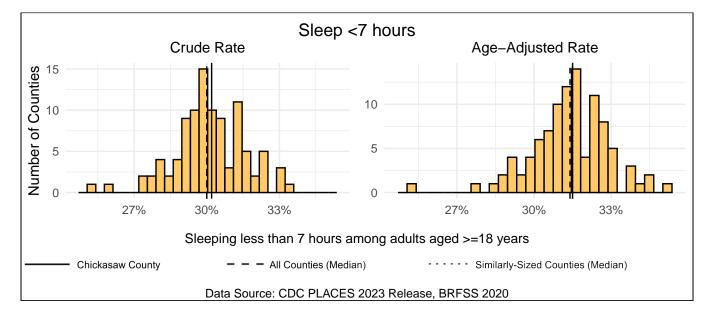
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	26.1%	26.8%	27.3%
Age-Adjusted	24.3%	25.1%	25.4%



#### Sleep <7 hours

Chickasaw County has a crude rate of 30.2% for sleeping less than 7 hours among adults aged >=18 years, which ranks 56th out of 99 lowa counties (38th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 31.5%, which ranks 51st out of 99 lowa counties (31st out of 63 similarly-sized counties).

Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	30.2%	30.0%	30.0%
Age-Adjusted	31.5%	31.4%	31.5%



### **Health Outcomes**

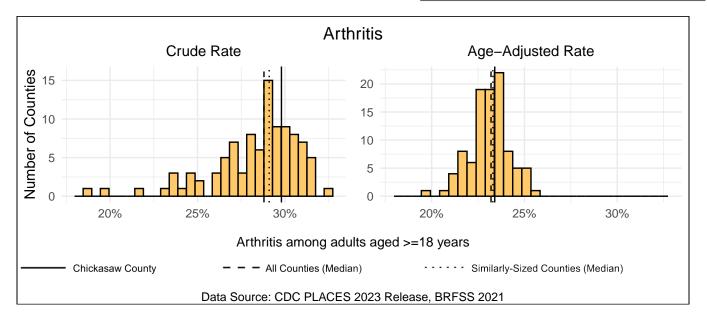
This section includes measures about specific health outcomes such as chronic illness, mental health conditions, and risk factors for future disease. Health outcome measures include but are not limited to arthritis, high blood pressure, cancer, depression, and obesity. Each measure is the percentage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

Chickasaw County has a crude rate of 29.8% for arthritis among adults aged >=18 years, which ranks 70th out of 99 lowa counties (38th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 23.4%, which ranks 59th out of 99 lowa counties (36th out of 63 similarly-sized counties).

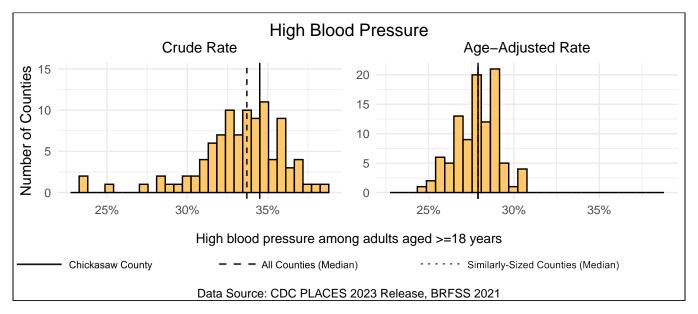
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	29.8%	28.8%	29.1%
Age-Adjusted	23.4%	23.2%	23.3%



#### **High Blood Pressure**

Chickasaw County has a crude rate of 34.5% for high blood pressure among adults aged >=18 years, which ranks 62nd out of 99 lowa counties (31st out of 63 similarlysized counties). The age-adjusted rate for Chickasaw County is 27.9%, which ranks 47th out of 99 lowa counties (28th out of 63 similarly-sized counties).

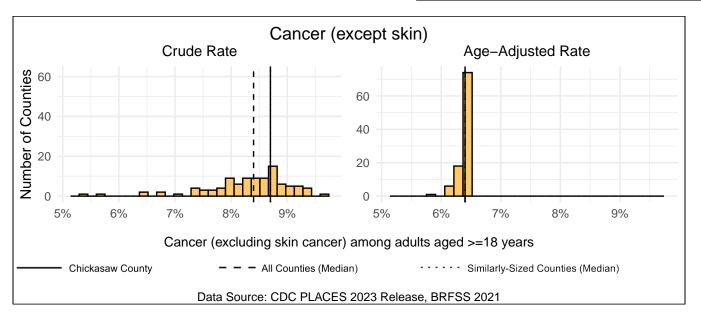
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	34.5%	33.7%	34.5%
Age-Adjusted	27.9%	27.9%	27.9%



#### Cancer (except skin)

Chickasaw County has a crude rate of 8.7% for cancer (excluding skin cancer) among adults aged >=18 years, which ranks 64th out of 99 lowa counties (31st out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 6.4%, which ranks 26th out of 99 lowa counties (14th out of 63 similarly-sized counties).

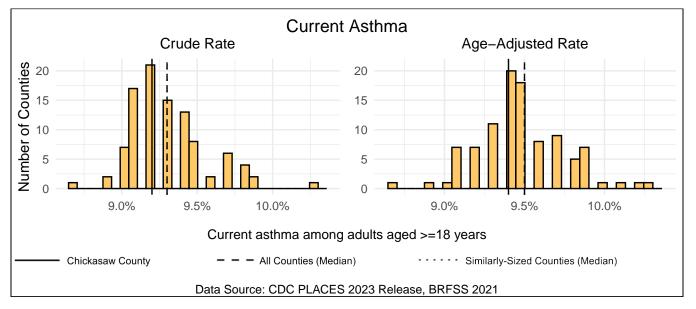
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	8.7%	8.4%	8.7%
Age-Adjusted	6.4%	6.4%	6.4%



#### **Current Asthma**

Chickasaw County has a crude rate of 9.2% for current asthma among adults aged >=18 years, which ranks 28th out of 99 lowa counties (15th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 9.4%, which ranks 29th out of 99 lowa counties (12th out of 63 similarly-sized counties).

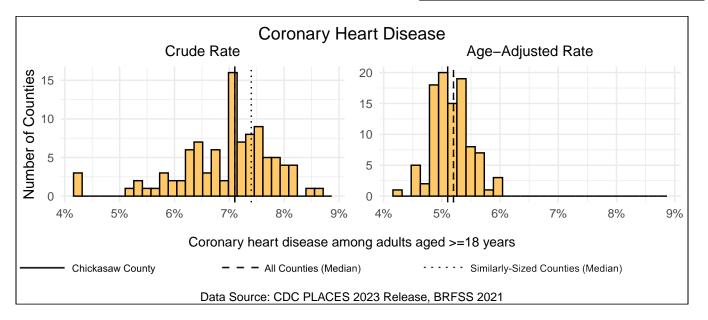
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	9.2%	9.3%	9.3%
Age-Adjusted	9.4%	9.5%	9.5%



#### **Coronary Heart Disease**

Chickasaw County has a crude rate of 7.1% for coronary heart disease among adults aged >=18 years, which ranks 49th out of 99 lowa counties (20th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 5.1%, which ranks 33rd out of 99 lowa counties (15th out of 63 similarly-sized counties).

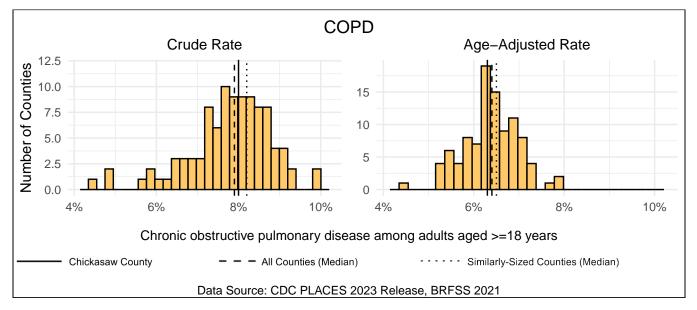
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	7.1%	7.1%	7.4%
Age-Adjusted	5.1%	5.2%	5.2%



#### COPD

Chickasaw County has a crude rate of 8.0% for chronic obstructive pulmonary disease among adults aged >=18 years, which ranks 54th out of 99 lowa counties (22nd out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 6.3%, which ranks 39th out of 99 lowa counties (17th out of 63 similarly-sized counties).

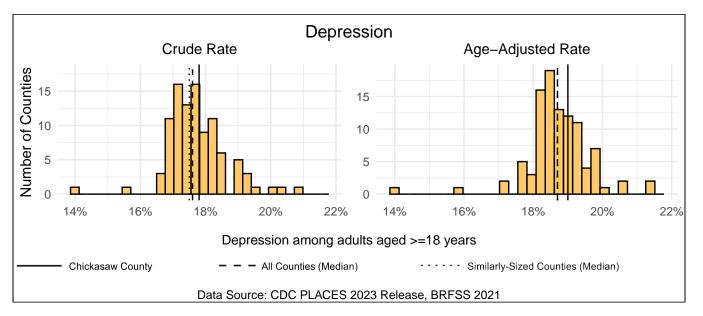
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	8.0%	7.9%	8.2%
Age-Adjusted	6.3%	6.4%	6.5%



#### Depression

Chickasaw County has a crude rate of 17.8% for depression among adults aged >=18 years, which ranks 59th out of 99 lowa counties (42nd out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 19.0%, which ranks 64th out of 99 lowa counties (40th out of 63 similarly-sized counties).

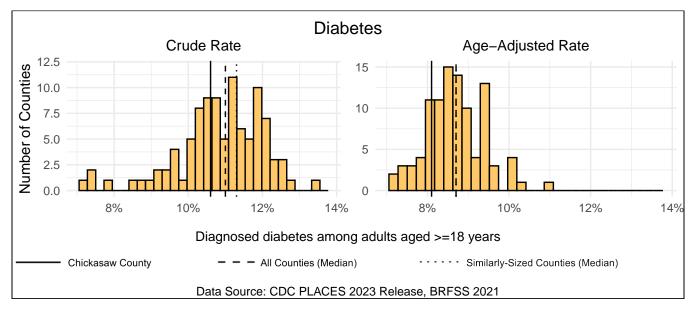
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	17.8%	17.6%	17.5%
Age-Adjusted	19.0%	18.7%	18.7%



#### Diabetes

Chickasaw County has a crude rate of 10.6% for diagnosed diabetes among adults aged >=18 years, which ranks 32nd out of 99 lowa counties (14th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 8.1%, which ranks 20th out of 99 lowa counties (11th out of 63 similarly-sized counties).

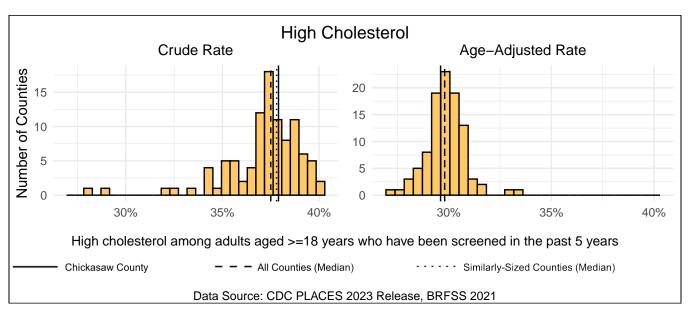
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	10.6%	11.0%	11.3%
Age-Adjusted	8.1%	8.7%	8.7%



#### **High Cholesterol**

Chickasaw County has a crude rate of 37.9% for high cholesterol among adults aged >=18 years who have been screened in the past 5 years, which ranks 63rd out of 99 lowa counties (33rd out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 29.6%, which ranks 30th out of 99 lowa counties (19th out of 63 similarly-sized counties).

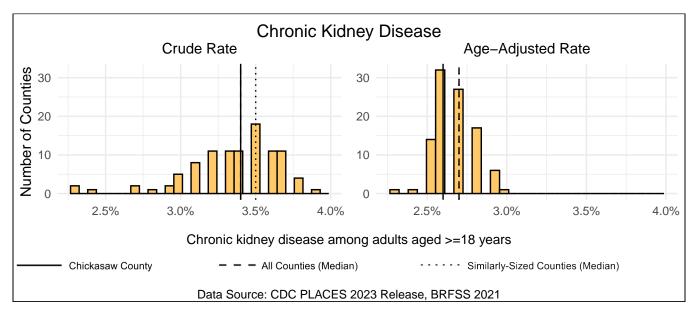
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	37.9%	37.5%	37.8%
Age-Adjusted	29.6%	29.8%	29.8%



#### **Chronic Kidney Disease**

Chickasaw County has a crude rate of 3.4% for chronic kidney disease among adults aged >=18 years, which ranks 44th out of 99 lowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 2.6%, which ranks 17th out of 99 lowa counties (9th out of 63 similarly-sized counties).

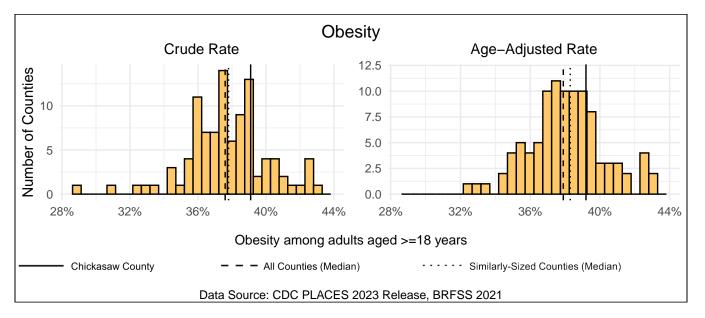
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	3.4%	3.4%	3.5%
Age-Adjusted	2.6%	2.7%	2.7%



#### Obesity

Chickasaw County has a crude rate of 39.1% for obesity among adults aged >=18 years, which ranks 76th out of 99 lowa counties (44th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 39.2%, which ranks 74th out of 99 lowa counties (43rd out of 63 similarly-sized counties).

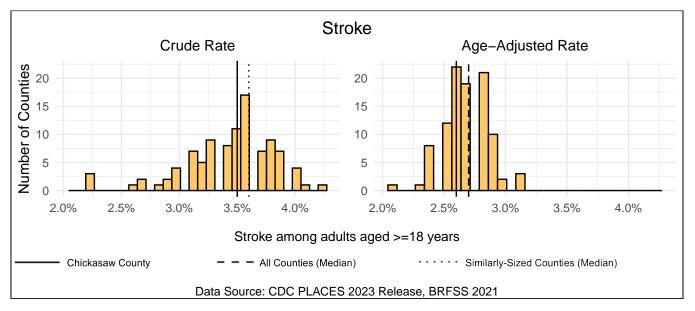
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	39.1%	37.6%	37.8%
Age-Adjusted	39.2%	37.9%	38.3%



#### Stroke

Chickasaw County has a crude rate of 3.5% for stroke among adults aged >=18 years, which ranks 43rd out of 99 lowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 2.6%, which ranks 23rd out of 99 lowa counties (10th out of 63 similarly-sized counties).

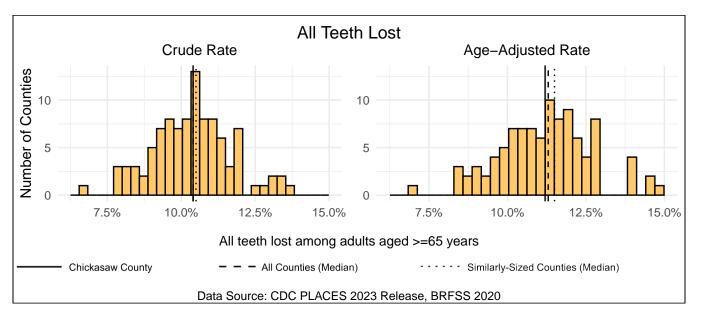
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	3.5%	3.5%	3.6%
Age-Adjusted	2.6%	2.7%	2.7%



#### All Teeth Lost

Chickasaw County has a crude rate of 10.4% for all teeth lost among adults aged >=65 years, which ranks 48th out of 99 lowa counties (25th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 11.2%, which ranks 45th out of 99 lowa counties (22nd out of 63 similarly-sized counties).

Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	10.4%	10.4%	10.5%
Age-Adjusted	11.2%	11.3%	11.5%



### Prevention

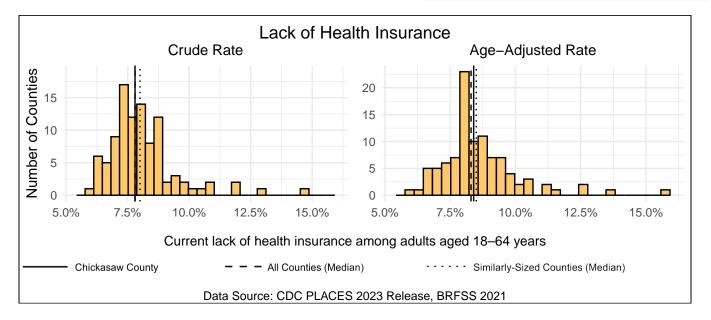
Preventive measures are another practical intervention point for public health professionals as they allow for the early detection of health conditions and improve overall treatment efficacy. This section includes a review of your county's prevention measures, including preventive screenings and doctor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

Chickasaw 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 Chickasaw County is 8.4%, which ranks 52nd out of 99 lowa counties (28th out of 63 similarly-sized counties).

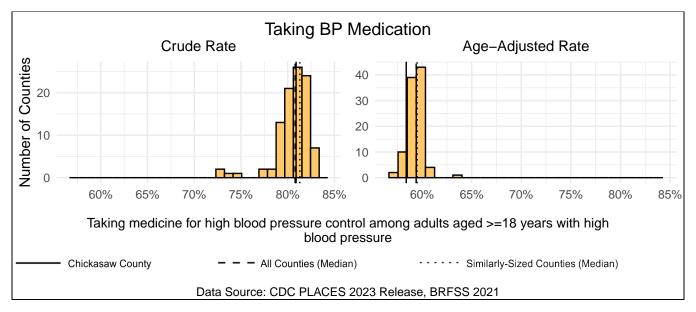
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	7.8%	7.8%	8.0%
Age-Adjusted	8.4%	8.3%	8.5%



#### **Taking BP Medication**

Chickasaw County has a crude rate of 80.9% for taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure, which ranks 47th out of 99 lowa counties (41st out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 58.4%, which ranks 88th out of 99 lowa counties (58th out of 63 similarly-sized counties).

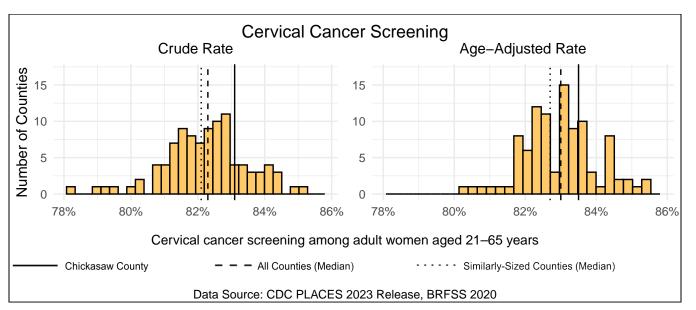
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	80.9%	80.8%	81.3%
Age-Adjusted	58.4%	59.4%	59.5%



#### **Cervical Cancer Screening**

Chickasaw County has a crude rate of 83.1% for cervical cancer screening among adult women aged 21–65 years, which ranks 20th out of 99 lowa counties (7th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 83.5%, which ranks 25th out of 99 lowa counties (12th out of 63 similarly-sized counties).

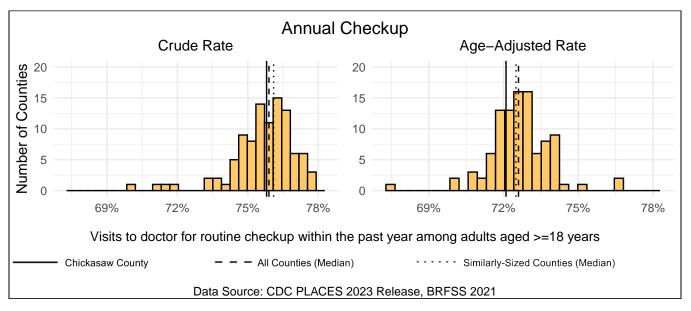
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	83.1%	82.3%	82.1%
Age-Adjusted	83.5%	83.0%	82.7%



#### **Annual Checkup**

Chickasaw County has a crude rate of 75.8% for visits to doctor for routine checkup within the past year among adults aged >=18 years, which ranks 52nd out of 99 Iowa counties (38th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 72.1%, which ranks 68th out of 99 Iowa counties (41st out of 63 similarly-sized counties).

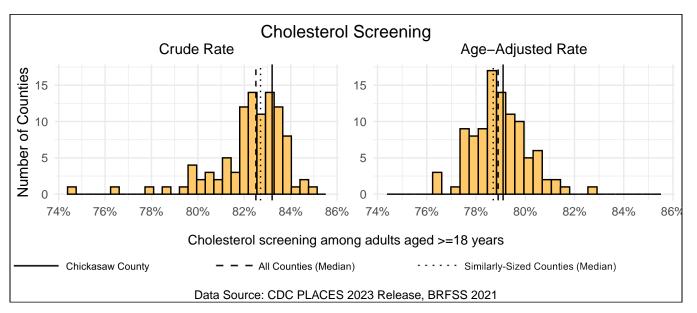
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	75.8%	75.9%	76.1%
Age-Adjusted	72.1%	72.6%	72.5%



#### **Cholesterol Screening**

Chickasaw County has a crude rate of 83.2% for cholesterol screening among adults aged >=18 years, which ranks 25th out of 99 lowa counties (19th out of 63 similarlysized counties). The age-adjusted rate for Chickasaw County is 79.1%, which ranks 41st out of 99 lowa counties (18th out of 63 similarly-sized counties).

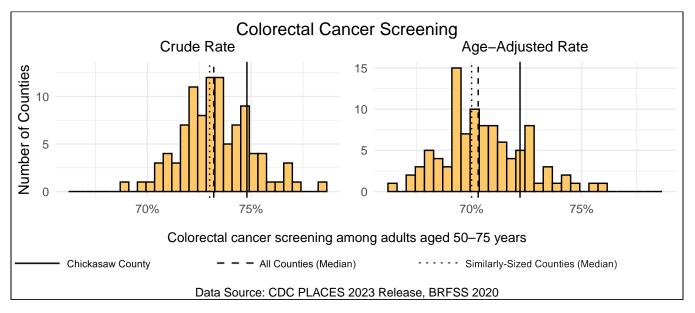
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	83.2%	82.5%	82.7%
Age-Adjusted	79.1%	78.9%	78.7%



#### **Colorectal Cancer Screening**

Chickasaw County has a crude rate of 74.8% for colorectal cancer screening among adults aged 50–75 years, which ranks 17th out of 99 lowa counties (8th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 72.2%, which ranks 21st out of 99 lowa counties (7th out of 63 similarly-sized counties).

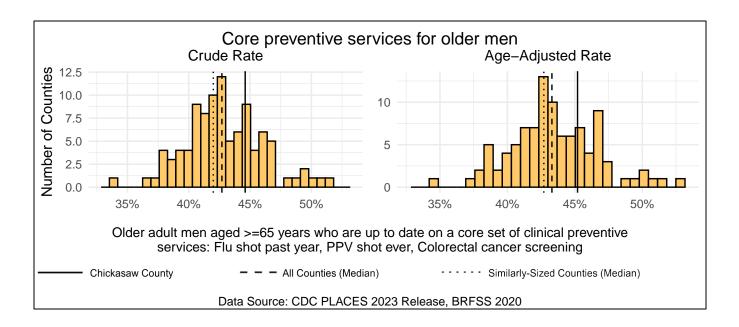
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	74.8%	73.2%	73.0%
Age-Adjusted	72.2%	70.3%	70.0%



#### Core preventive services for older men

Chickasaw County has a crude rate of 44.6% 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 28th out of 99 lowa counties (12th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 45.2%, which ranks 27th out of 99 lowa counties (11th out of 63 similarly-sized counties).

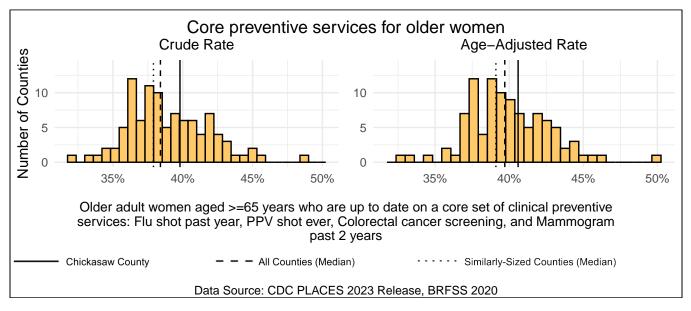
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	44.6%	42.7%	42.0%
Age-Adjusted	45.2%	43.3%	42.7%



#### Core preventive services for older women

Chickasaw County has a crude rate of 39.8% 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 36th out of 99 lowa counties (14th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 40.6%, which ranks 36th out of 99 lowa counties (14th out of 63 similarly-sized counties).

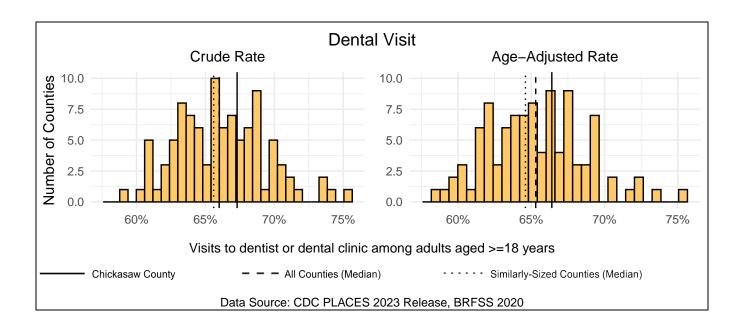
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	39.8%	38.4%	37.9%
Age-Adjusted	40.6%	39.7%	39.1%



#### **Dental Visit**

Chickasaw County has a crude rate of 67.3% for visits to dentist or dental clinic among adults aged >=18 years, which ranks 34th out of 99 lowa counties (13th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 66.4%, which ranks 34th out of 99 lowa counties (13th out of 63 similarly-sized counties).

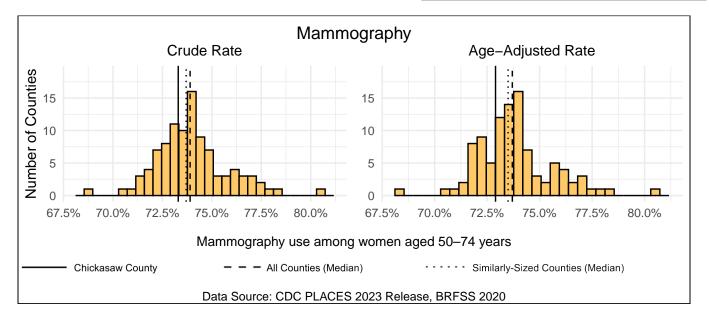
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	67.3%	66.0%	65.6%
Age-Adjusted	66.4%	65.3%	64.6%



#### Mammography

Chickasaw County has a crude rate of 73.3% for mammography use among women aged 50–74 years, which ranks 64th out of 99 lowa counties (40th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 72.9%, which ranks 72nd out of 99 lowa counties (44th out of 63 similarly-sized counties).

Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	73.3%	73.9%	73.7%
Age-Adjusted	72.9%	73.7%	73.5%



### Disability

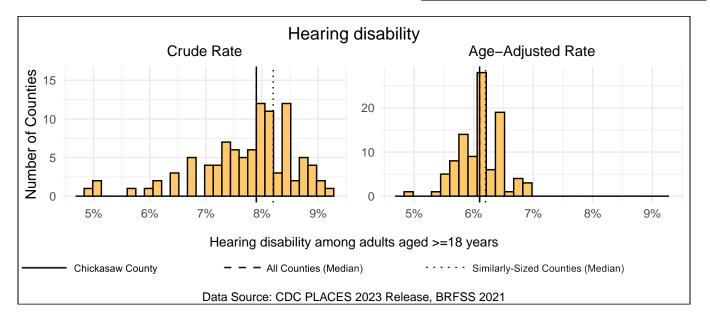
This section includes measures of physical and cognitive disabilities. Respondents were asked to report on six disabilities: hearing, vision, cognition, mobility, self-care, and independent living. The final measure reports the rate of respondents that answered yes to any of the previous six disabilities.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

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

#### Hearing disability

Chickasaw County has a crude rate of 7.9% for hearing disability among adults aged >=18 years, which ranks 48th out of 99 lowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 6.1%, which ranks 39th out of 99 lowa counties (18th out of 63 similarly-sized counties).

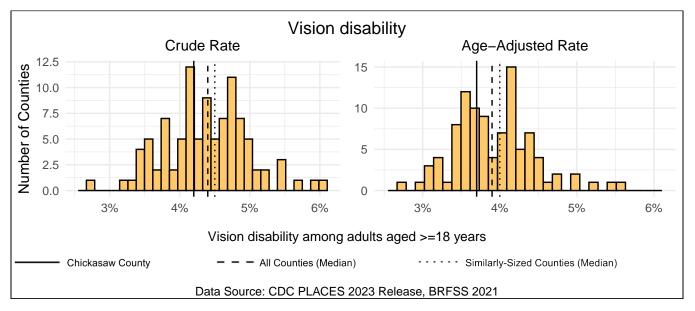
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties
Crude	7.9%	7.9%	8.2%
Age-Adjusted	6.1%	6.1%	6.2%



#### Vision disability

Chickasaw County has a crude rate of 4.2% for vision disability among adults aged >=18 years, which ranks 31st out of 99 lowa counties (15th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 3.7%, which ranks 31st out of 99 lowa counties (16th out of 63 similarly-sized counties).

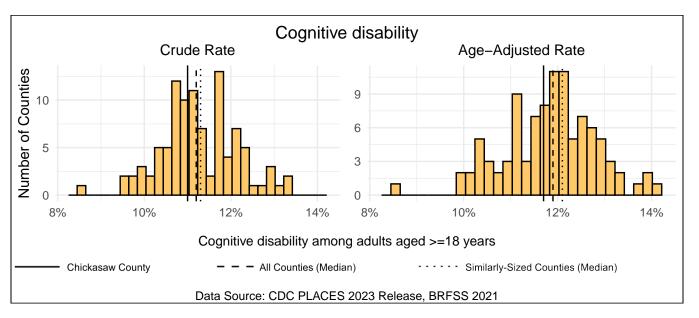
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	4.2%	4.4%	4.5%	
Age-Adjusted	3.7%	3.9%	4.0%	



#### **Cognitive disability**

Chickasaw County has a crude rate of 11.0% for cognitive disability among adults aged >=18 years, which ranks 36th out of 99 lowa counties (17th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 11.7%, which ranks 38th out of 99 lowa counties (17th out of 63 similarly-sized counties).

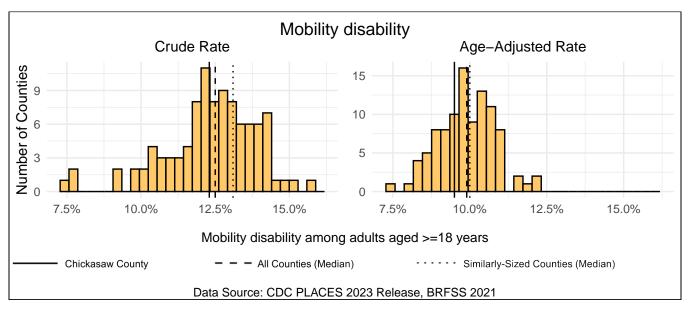
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	11.0%	11.2%	11.3%	
Age-Adjusted	11.7%	11.9%	12.1%	



#### Mobility disability

Chickasaw County has a crude rate of 12.3% for mobility disability among adults aged >=18 years, which ranks 43rd out of 99 lowa counties (16th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 9.5%, which ranks 30th out of 99 lowa counties (14th out of 63 similarly-sized counties).

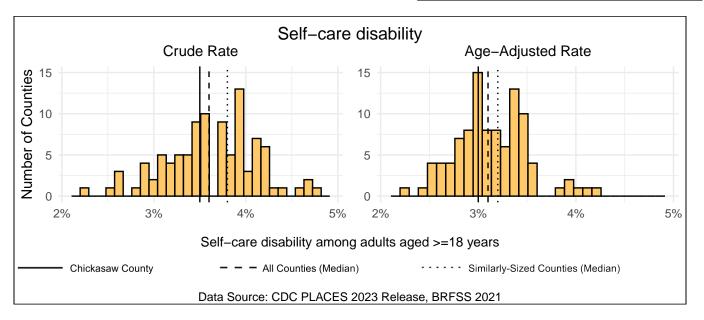
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	12.3%	12.5%	13.1%	
Age-Adjusted	9.5%	9.9%	10.0%	



#### Self-care disability

Chickasaw County has a crude rate of 3.5% for self-care disability among adults aged >=18 years, which ranks 32nd out of 99 lowa counties (14th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 3.0%, which ranks 30th out of 99 lowa counties (15th out of 63 similarly-sized counties).

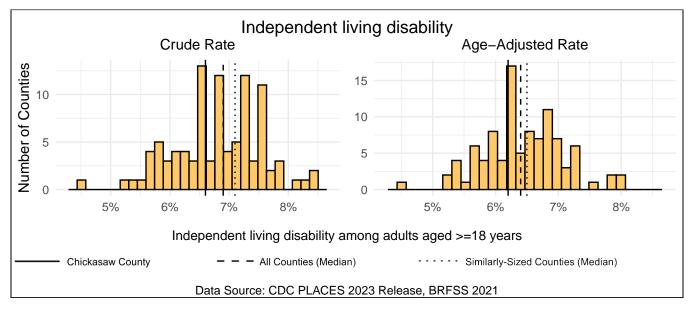
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	3.5%	3.6%	3.8%	
Age-Adjusted	3.0%	3.1%	3.2%	



#### Independent living disability

Chickasaw County has a crude rate of 6.6% for independent living disability among adults aged >=18 years, which ranks 33rd out of 99 lowa counties (14th out of 63 similarlysized counties). The age-adjusted rate for Chickasaw County is 6.2%, which ranks 31st out of 99 lowa counties (15th out of 63 similarly-sized counties).

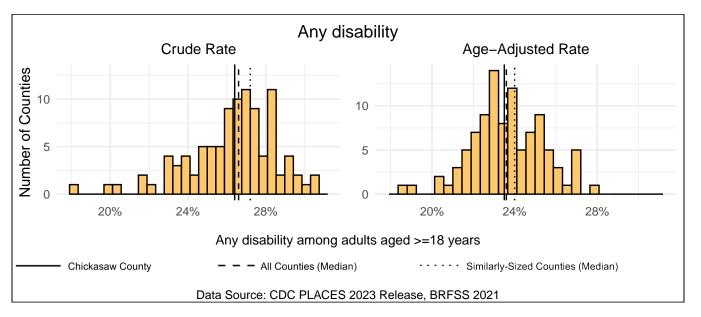
Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	6.6%	6.9%	7.1%	
Age-Adjusted	6.2%	6.4%	6.5%	



#### Any disability

Chickasaw County has a crude rate of 26.4% for any disability among adults aged >=18 years, which ranks 44th out of 99 lowa counties (20th out of 63 similarly-sized counties). The age-adjusted rate for Chickasaw County is 23.5%, which ranks 47th out of 99 lowa counties (24th out of 63 similarly-sized counties).

Measure Type	Chickasaw County	All Counties	Similarly- Sized Counties	
Crude	26.4%	26.6%	27.2%	
Age-Adjusted	23.5%	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: Chickasaw 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	43	14.0% (12.0% - 16.2%)	53	15.6% (13.3% - 18.0%)
Health Status	General Health	40	14.7% (12.1% - 17.5%)	33	12.9% (10.7% - 15.5%)
Health Status	Physical Health	41	11.0% (9.3% - 12.9%)	35	9.7% (8.2% - 11.3%)
Health Risk Behaviors	Sleep <7 hours	56	30.2% (28.6% - 31.9%)	51	31.5% (29.8% - 33.3%)
Health Risk Behaviors	Current Smoking	55	16.9% (13.2% - 20.9%)	51	17.9% (14.1% - 22.2%)
Health Risk Behaviors	Binge Drinking	67	18.9% (15.6% - 22.6%)	83	22.3% (18.5% - 26.4%)
Health Risk Behaviors	Physical Inactivity	35	26.1% (20.9% - 31.5%)	33	24.3% (19.4% - 29.3%)
Health Outcomes	Diabetes	32	10.6% (8.9% - 12.5%)	20	8.1% (6.8% - 9.5%)
Health Outcomes	Obesity	76	39.1% (31.3% - 47.3%)	74	39.2% (31.6% - 47.4%)
Health Outcomes	Current Asthma	28	9.2% (8.1% - 10.4%)	29	9.4% (8.2% - 10.7%)
Health Outcomes	Arthritis	70	29.8% (25.3% - 34.4%)	59	23.4% (19.7% - 27.4%)
Health Outcomes	High Cholesterol	63	37.9% (33.0% - 42.9%)	30	29.6% (25.1% - 34.3%)
Health Outcomes	High Blood Pressure	62	34.5% (30.0% - 38.9%)	47	27.9% (24.0% - 31.9%)
Health Outcomes	Chronic Kidney Disease	44	3.4% (3.0% - 3.8%)	17	2.6% (2.3% - 2.9%)
Health Outcomes	All Teeth Lost	48	10.4% (6.7% - 14.4%)	45	11.2% (7.3% - 15.5%)
Health Outcomes	Cancer (except skin)	64	8.7% (7.8% - 9.7%)	26	6.4% (5.8% - 7.2%)
Health Outcomes	Stroke	43	3.5% (3.0% - 4.0%)	23	2.6% (2.3% - 3.0%)
Health Outcomes	Depression	59	17.8% (14.4% - 21.5%)	64	19.0% (15.5% - 22.9%)
Health Outcomes	Coronary Heart Disease	49	7.1% (6.1% - 8.2%)	33	5.1% (4.4% - 5.8%)
Health Outcomes	COPD	54	8.0% (6.5% - 9.6%)	39	6.3% (5.1% - 7.5%)
Prevention	Core preventive services for older men	28	44.6% (36.3% - 53.6%)	27	45.2% (37.4% - 54.4%)
Prevention	Colorectal Cancer Screening	17	74.8% (71.8% - 77.7%)	21	72.2% (69.0% - 75.4%)
Prevention	Cervical Cancer Screening	20	83.1% (80.5% - 85.8%)	25	83.5% (81.1% - 85.9%)
Prevention	Annual Checkup	52	75.8% (70.8% - 80.4%)	68	72.1% (66.6% - 77.3%)
Prevention	Dental Visit	34	67.3% (63.8% - 70.8%)	34	66.4% (62.8% - 69.9%)

Category	Health Domain	Crude Rate Rank	Crude Rate (95% CI)	Age-Adj. Rate Rank	Age-Adj. Rate (95% CI)
Prevention	Taking BP Medication	47	80.9% (77.6% - 83.9%)	88	58.4% (53.1% - 63.5%)
Prevention	Health Insurance	46	7.8% (5.8% - 10.1%)	52	8.4% (6.3% - 11.0%)
Prevention	Mammography	64	73.3% (69.0% - 77.3%)	72	72.9% (68.3% - 77.1%)
Prevention	Core preventive services for older women	36	39.8% (32.8% - 47.9%)	36	40.6% (33.7% - 49.0%)
Prevention	Cholesterol Screening	25	83.2% (80.1% - 86.0%)	41	79.1% (75.2% - 82.5%)
Disability	Hearing Disability	48	7.9% (6.9% - 9.0%)	39	6.1% (5.3% - 6.9%)
Disability	Self-care Disability	32	3.5% (3.0% - 4.1%)	30	3.0% (2.5% - 3.5%)
Disability	Any Disability	44	26.4% (22.3% - 31.3%)	47	23.5% (19.7% - 27.8%)
Disability	Vision Disability	31	4.2% (3.5% - 5.0%)	31	3.7% (3.1% - 4.3%)
Disability	Cognitive Disability	36	11.0% (9.1% - 13.0%)	38	11.7% (9.7% - 14.0%)
Disability	Independent Living Disability	33	6.6% (5.5% - 7.8%)	31	6.2% (5.2% - 7.3%)
Disability	Mobility Disability	43	12.3% (10.2% - 14.5%)	30	9.5% (7.8% - 11.2%)

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**

Chickasaw 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.

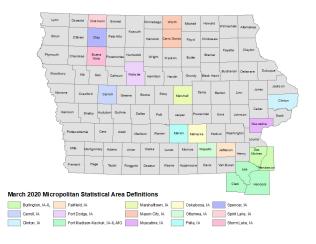
County	Population	County	Population	County	Population
Sioux County	35,893	Lyon County	12,011	Pocahontas County	7,074
Boone County	26,723	Chickasaw County	11,887	Ida County	6,956
Plymouth County	25,650	Shelby County	11,770	Fremont County	6,567
Buchanan County	20,657	Cherokee County	11,503	Wayne County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

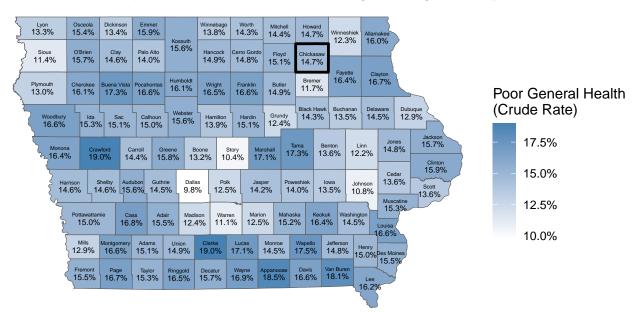
#### https://www.icip.iastate.edu/maps/refmaps/cofips







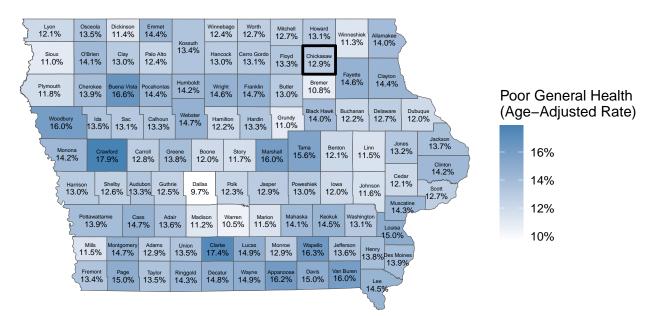
# **Appendix 4: County Maps**



#### Poor General Health

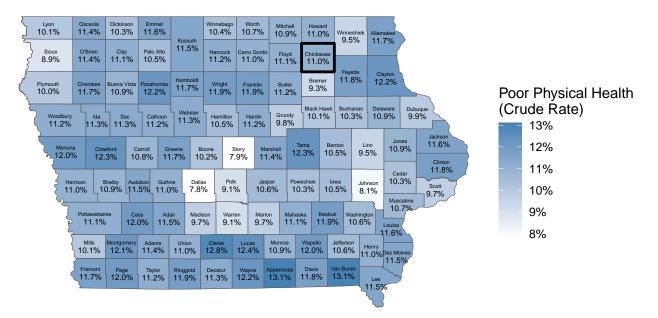
Fair or poor self-rated health status among adults aged >= 18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

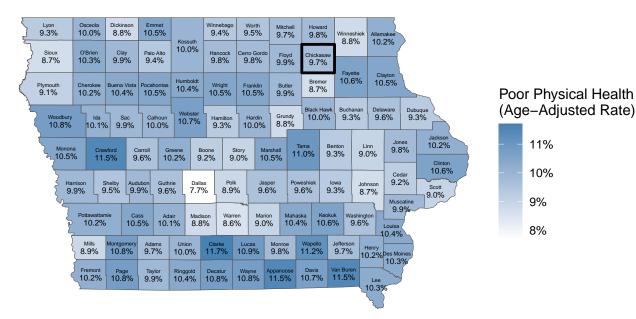


### Poor Physical Health

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

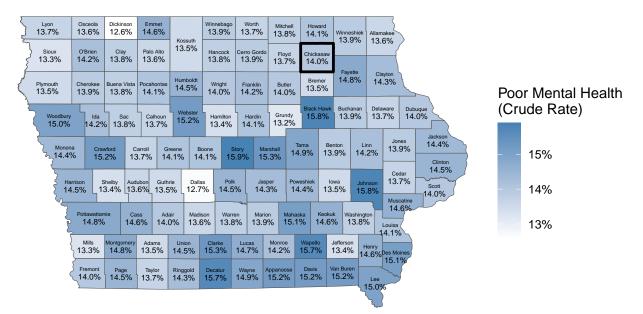


Data Source: CDC PLACES 2023 Release, BRFSS 2021

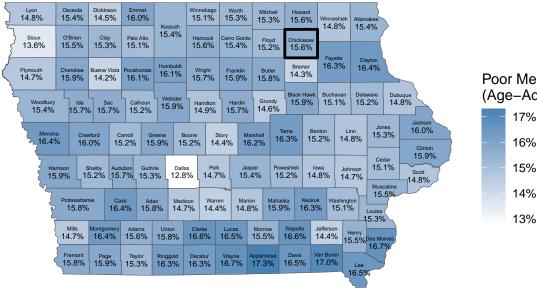


#### Poor Mental Health

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



Data Source: CDC PLACES 2023 Release, BRFSS 2021

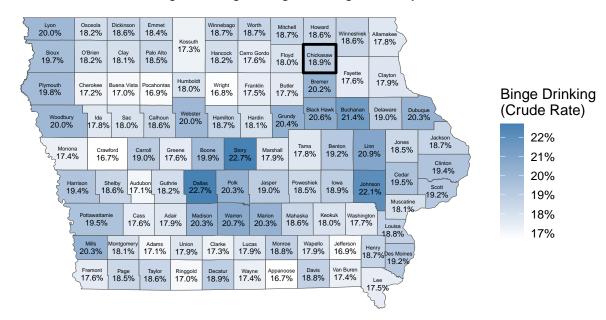


Poor Mental Health (Age-Adjusted Rate)



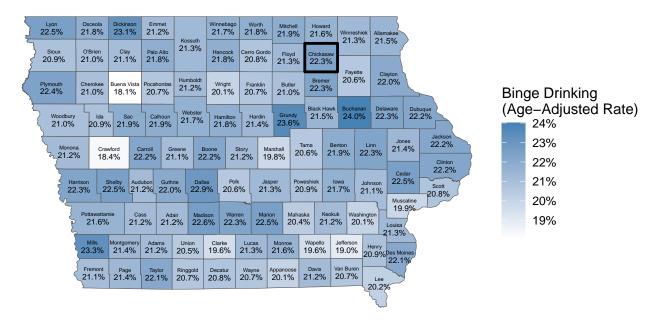
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# **Binge Drinking**

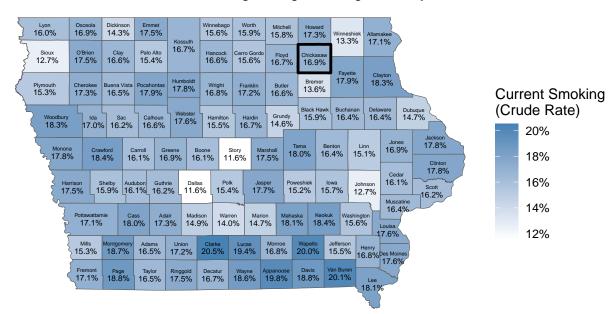


#### Binge drinking among adults aged >=18 years

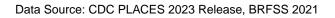
Data Source: CDC PLACES 2023 Release, BRFSS 2021

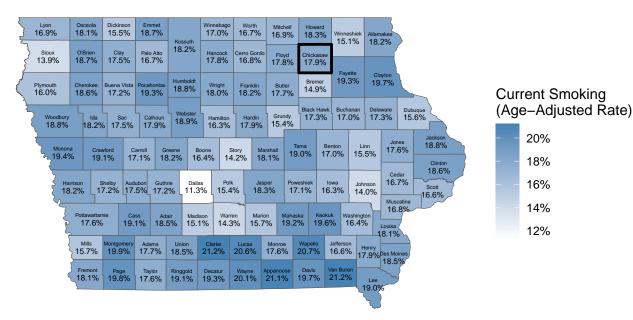


# **Current Smoking**



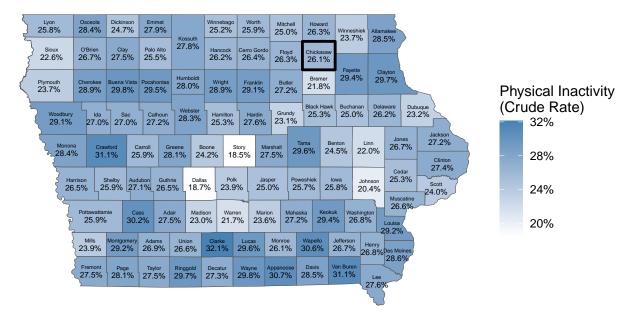
#### Current smoking among adults aged >=18 years



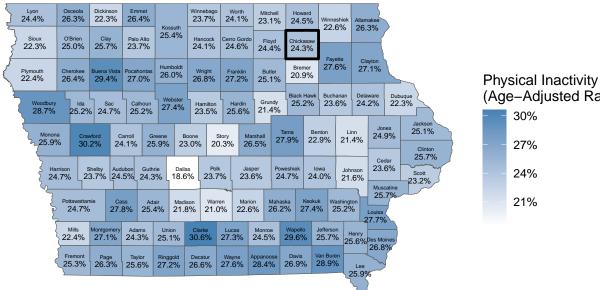


## **Physical Inactivity**

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



Data Source: CDC PLACES 2023 Release, BRFSS 2021



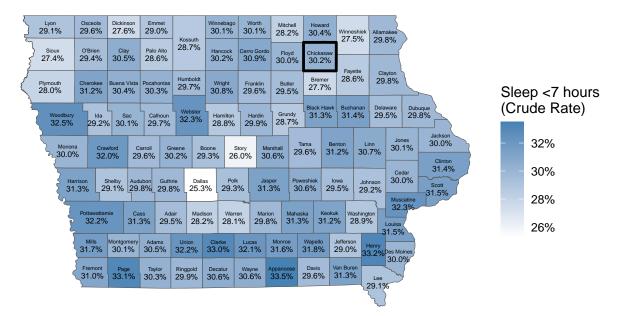
(Age-Adjusted Rate) 30%



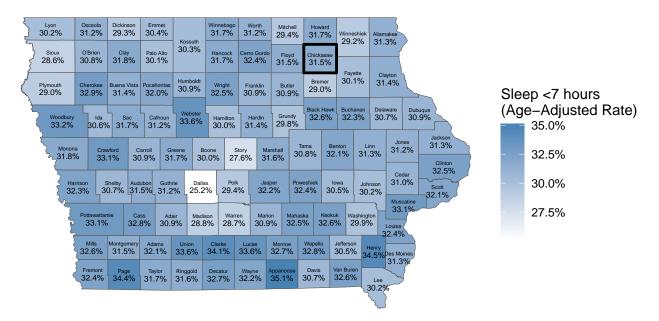
21%

### Sleep <7 hours

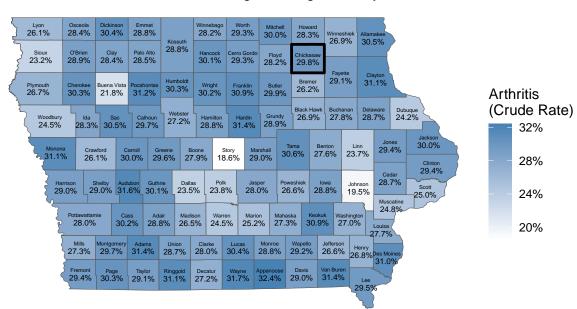
Sleeping less than 7 hours among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2020

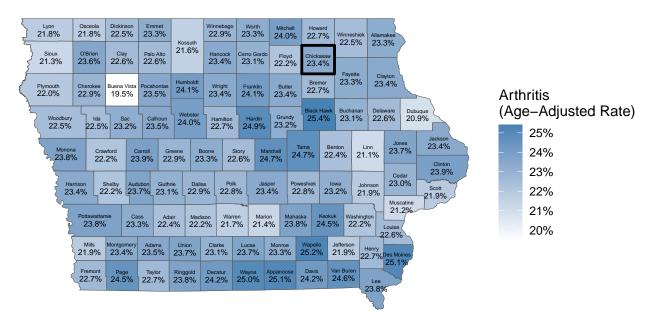


#### Arthritis



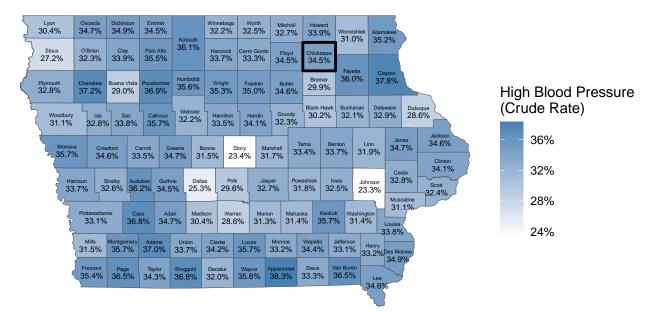
Arthritis among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

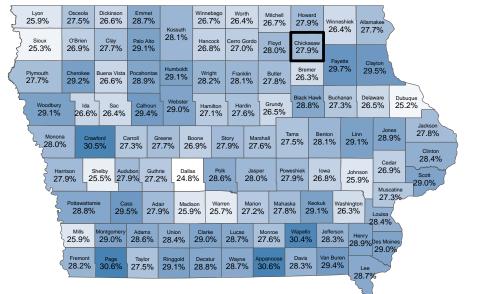


## **High Blood Pressure**

High blood pressure among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



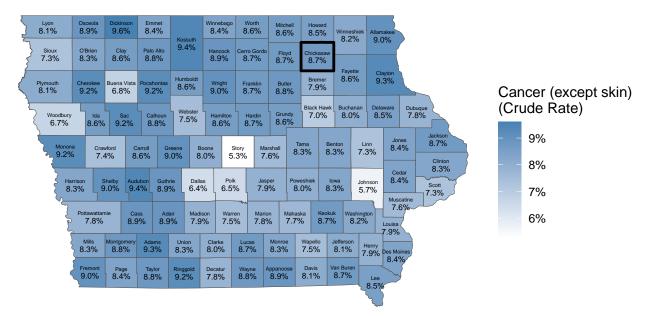
High Blood Pressure (Age–Adjusted Rate)



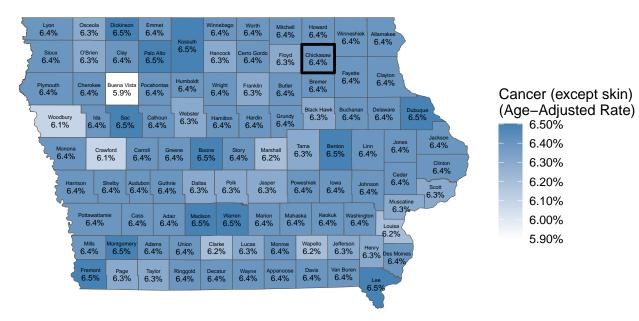
Data Source: CDC PLACES 2023 Release, BRFSS 2021

#### Cancer (except skin)

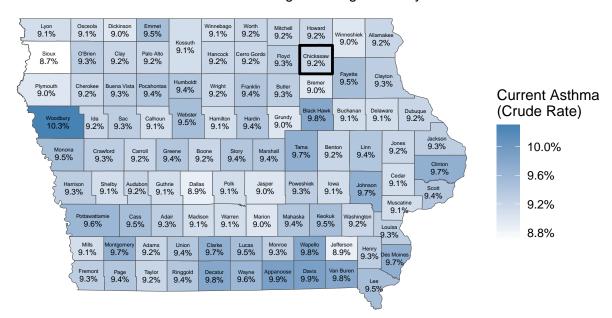
Cancer (excluding skin cancer) among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021

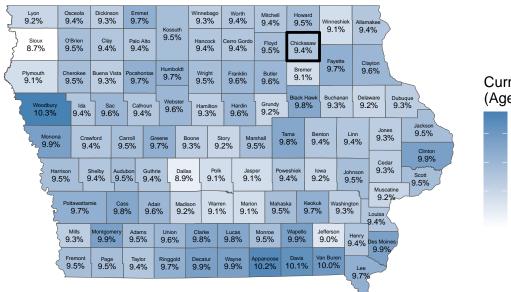


# Current Asthma

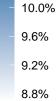


Current asthma among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021



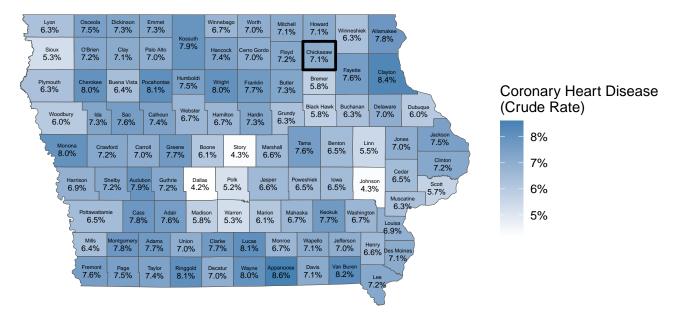
Current Asthma (Age–Adjusted Rate)



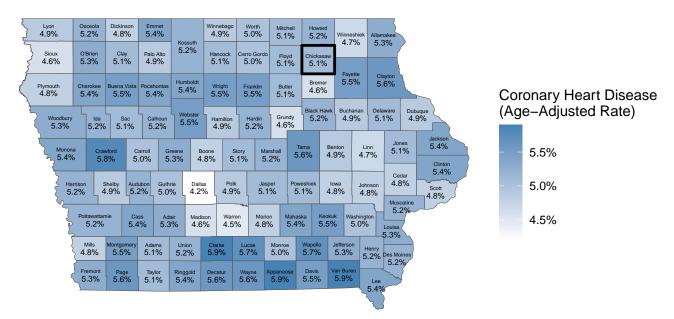
Data Source: CDC PLACES 2023 Release, BRFSS 2021

# **Coronary Heart Disease**

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

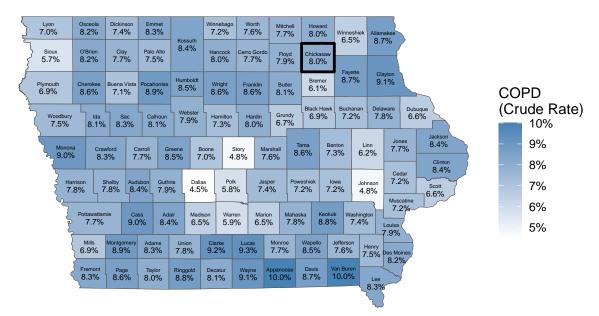


Data Source: CDC PLACES 2023 Release, BRFSS 2021

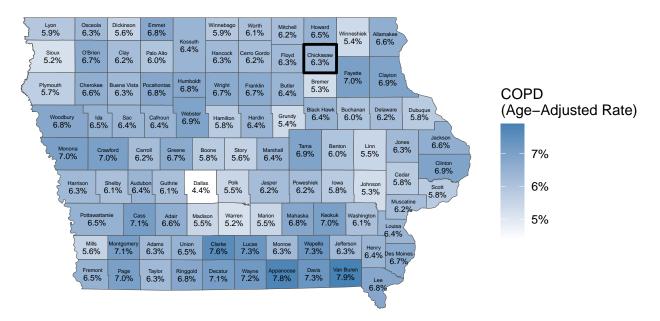


## COPD

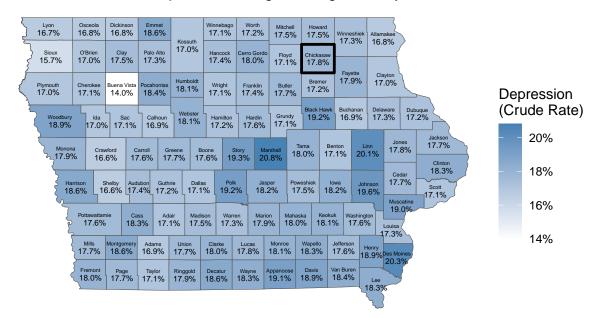
Chronic obstructive pulmonary disease among adults aged >=18 years



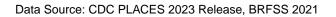
Data Source: CDC PLACES 2023 Release, BRFSS 2021

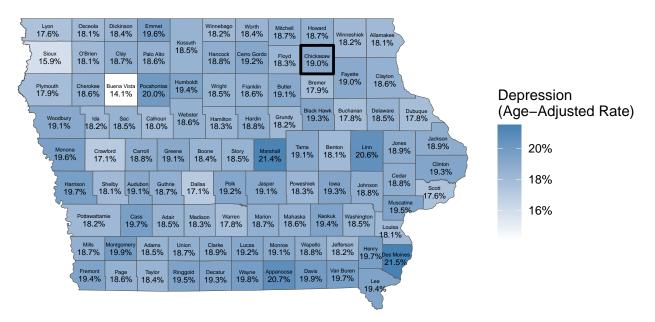


#### Depression

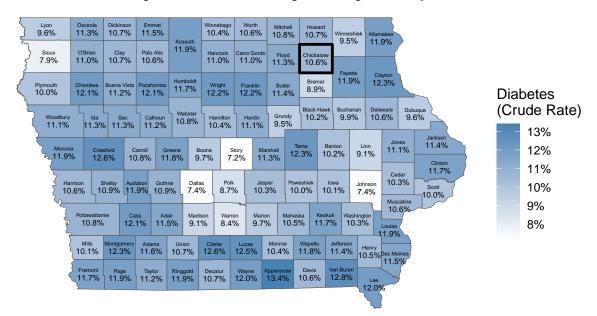


Depression among adults aged >=18 years



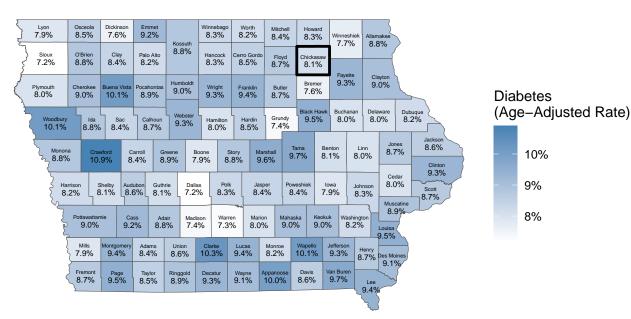


#### Diabetes



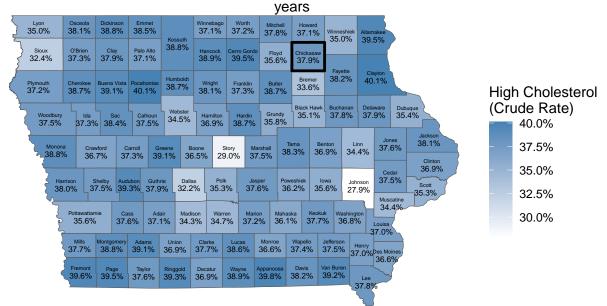
Diagnosed diabetes among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

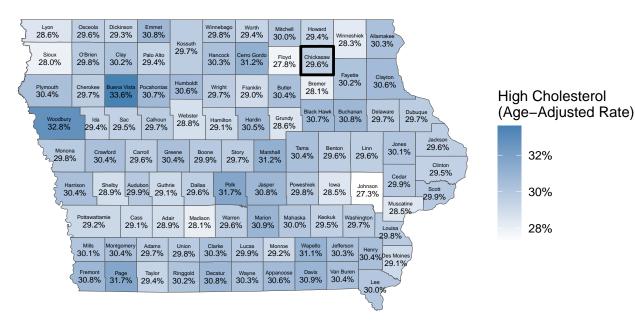


## **High Cholesterol**

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

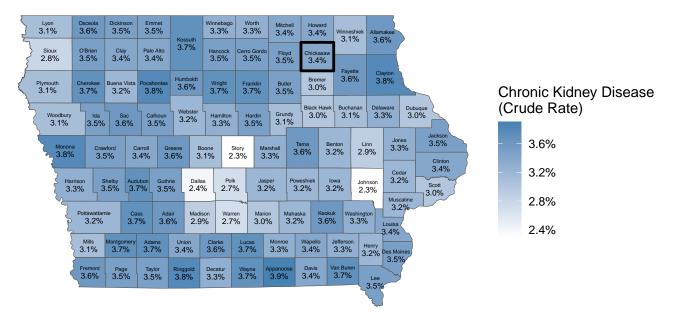


Data Source: CDC PLACES 2023 Release, BRFSS 2021

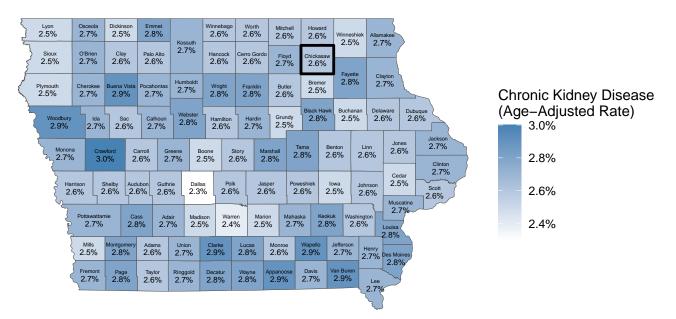


# Chronic Kidney Disease

Chronic kidney disease among adults aged >=18 years

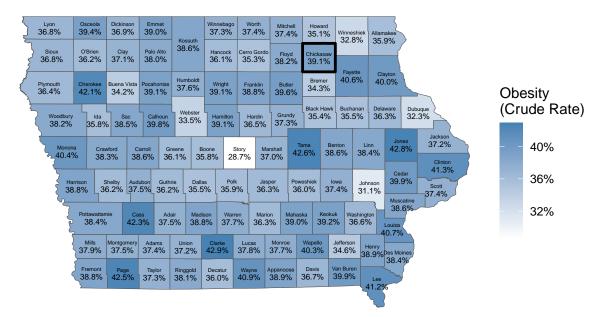


Data Source: CDC PLACES 2023 Release, BRFSS 2021

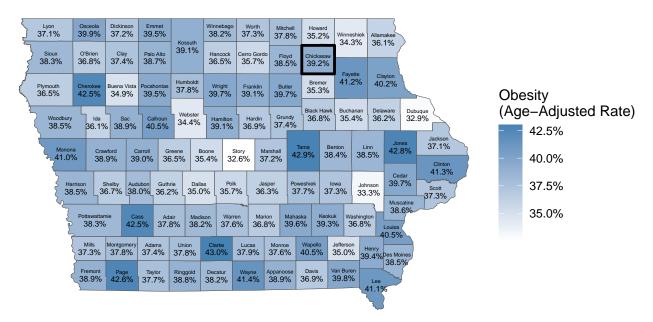


## Obesity

Obesity among adults aged >=18 years

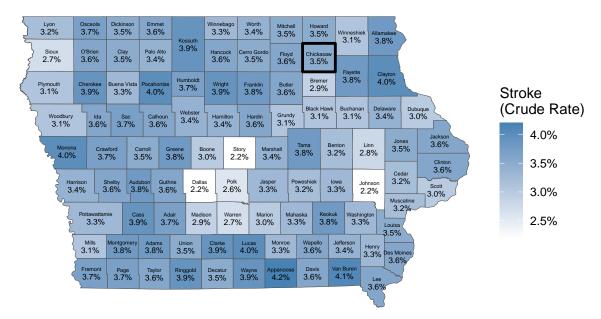


Data Source: CDC PLACES 2023 Release, BRFSS 2021

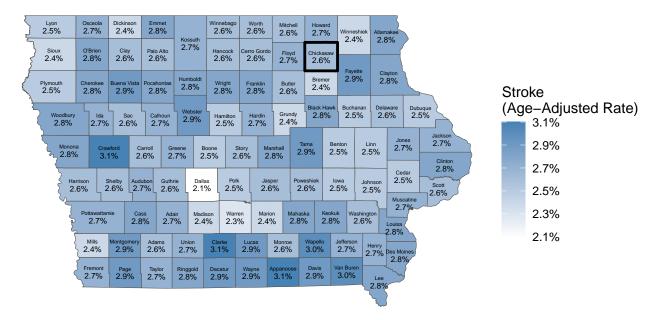


#### Stroke

Stroke among adults aged >=18 years

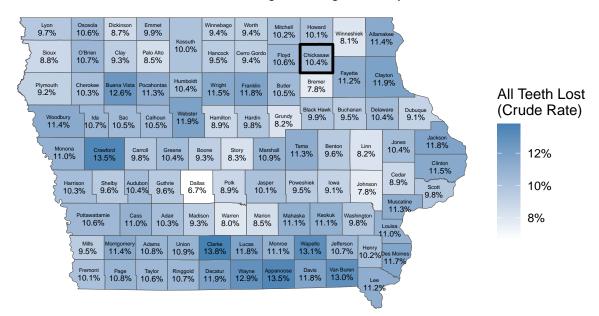


Data Source: CDC PLACES 2023 Release, BRFSS 2021



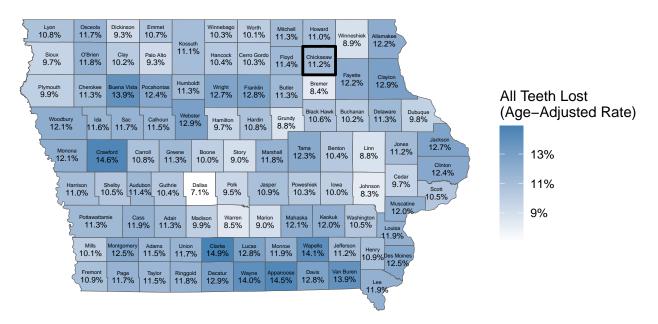
Data Source: CDC PLACES 2023 Release, BRFSS 2021

## All Teeth Lost



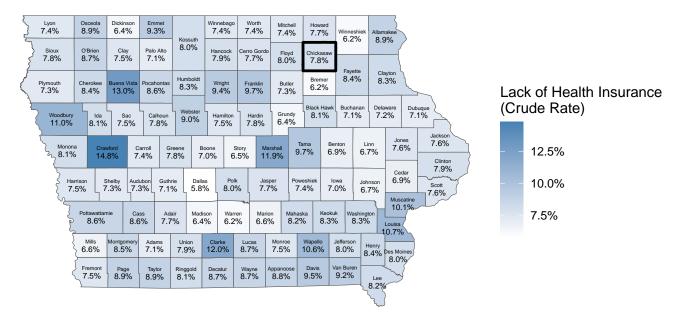
All teeth lost among adults aged >=65 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

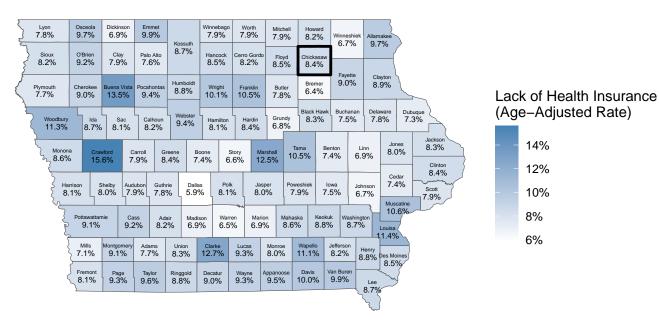


## Lack of Health Insurance

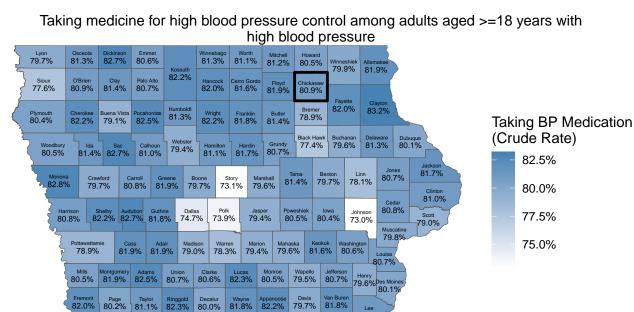
Current lack of health insurance among adults aged 18-64 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021

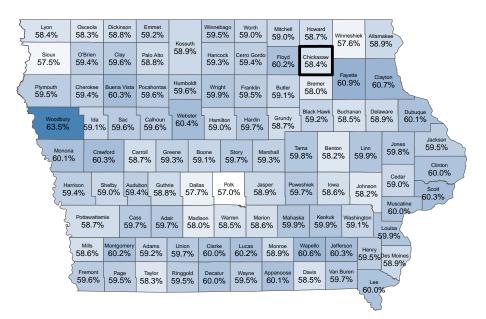


#### Taking BP Medication



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

81.19

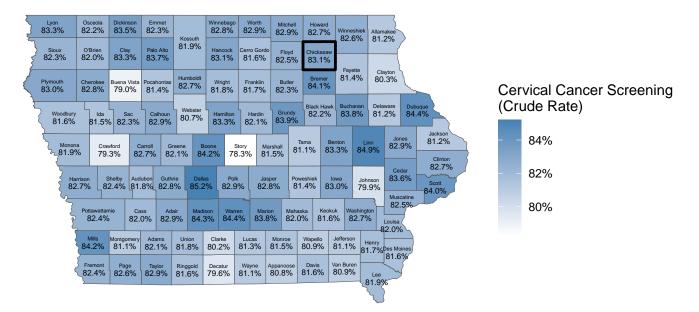


Taking BP Medication (Age–Adjusted Rate)

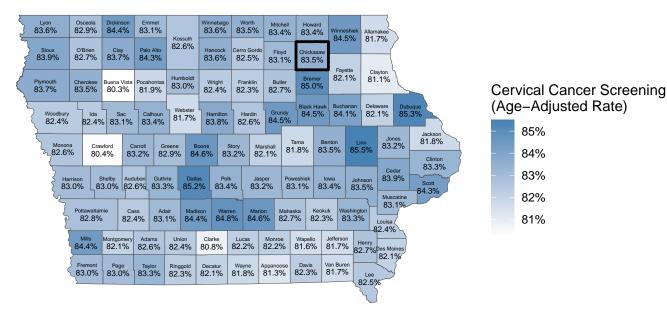
- 63% - 62% - 61%
- 60%
- 59% 58%
- 57%

# **Cervical Cancer Screening**

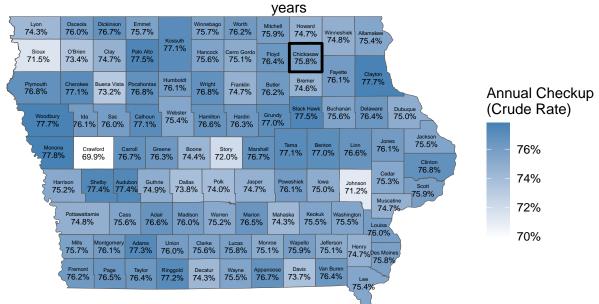
Cervical cancer screening among adult women aged 21-65 years



Data Source: CDC PLACES 2023 Release, BRFSS 2020

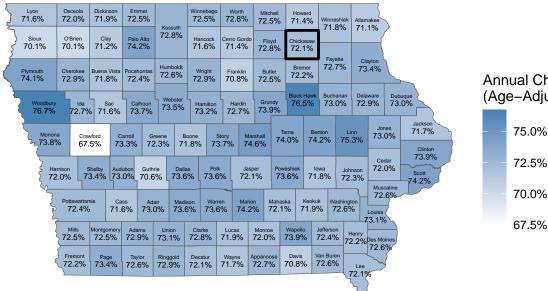


### Annual Checkup



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

Data Source: CDC PLACES 2023 Release, BRFSS 2021



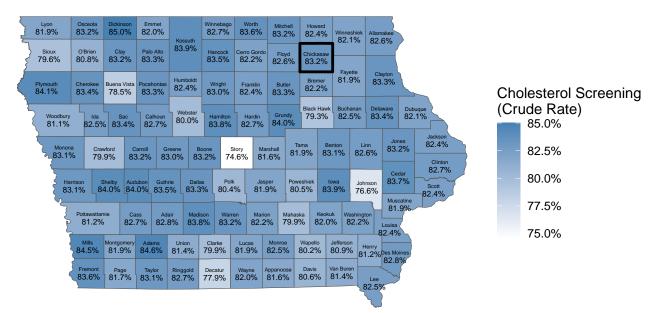
Annual Checkup (Age-Adjusted Rate)



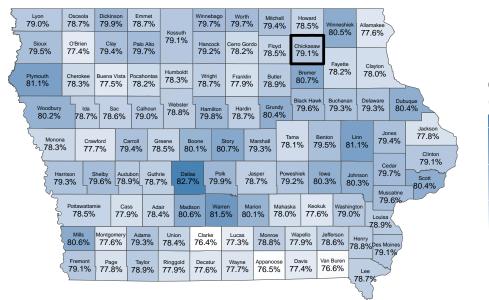
Data Source: CDC PLACES 2023 Release, BRFSS 2021

## **Cholesterol Screening**

#### Cholesterol screening among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Cholesterol Screening (Age–Adjusted Rate)

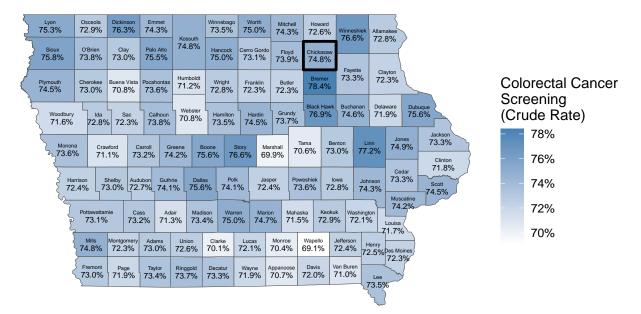


78%

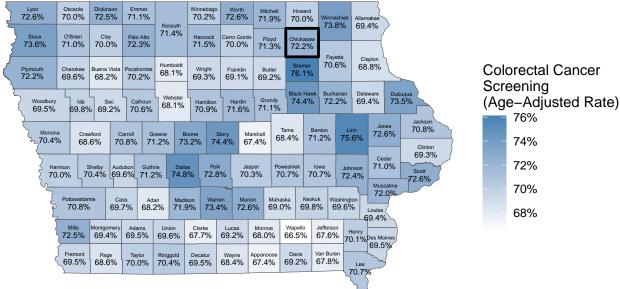
Data Source: CDC PLACES 2023 Release, BRFSS 2021

## **Colorectal Cancer Screening**

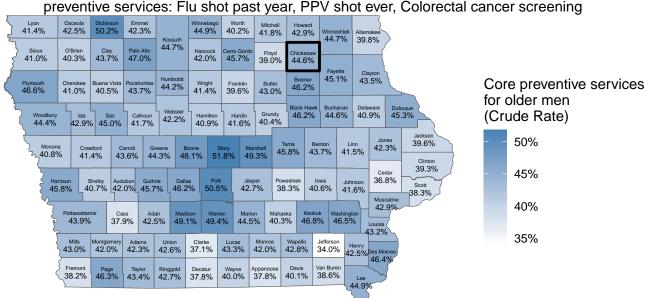
Colorectal cancer screening among adults aged 50-75 years



Data Source: CDC PLACES 2023 Release, BRFSS 2020

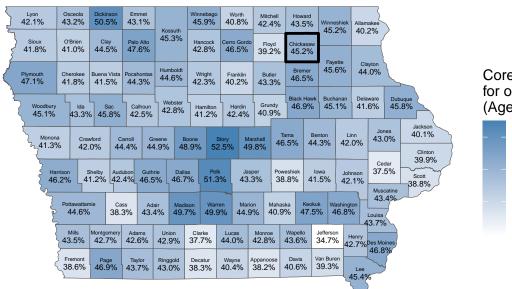


#### Core preventive services for older men



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

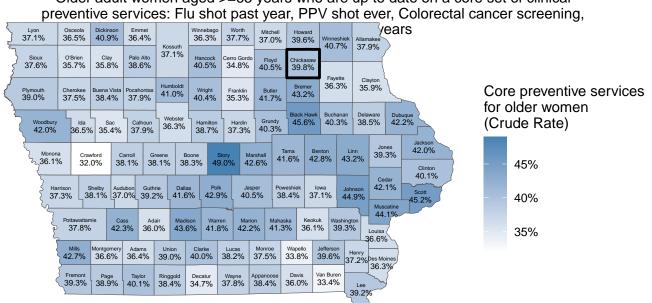


Core preventive services for older men (Age–Adjusted Rate)



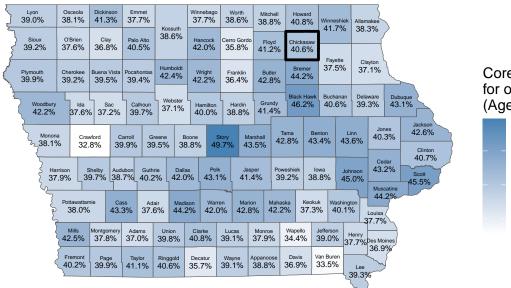
Data Source: CDC PLACES 2023 Release, BRFSS 2020

#### 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

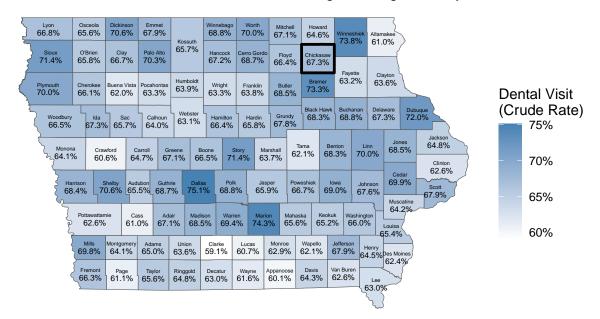


Core preventive services for older women (Age-Adjusted Rate)



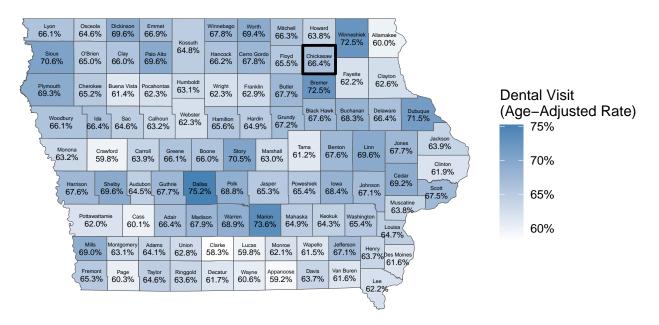
Data Source: CDC PLACES 2023 Release, BRFSS 2020

#### **Dental Visit**

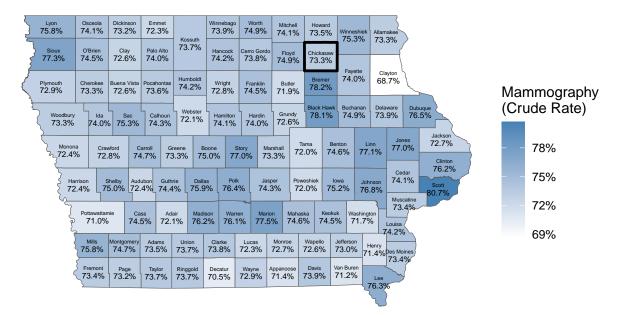


Visits to dentist or dental clinic among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

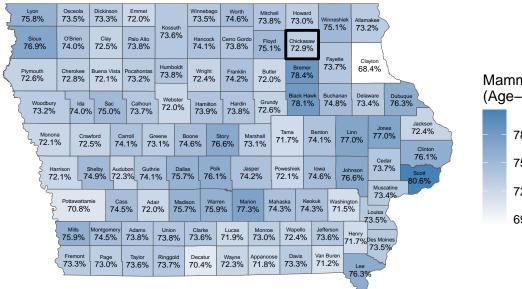


#### Mammography



#### Mammography use among women aged 50-74 years

Data Source: CDC PLACES 2023 Release, BRFSS 2020

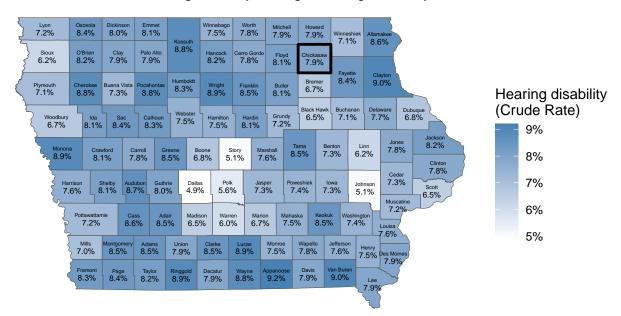


Mammography (Age-Adjusted Rate)

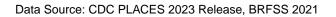


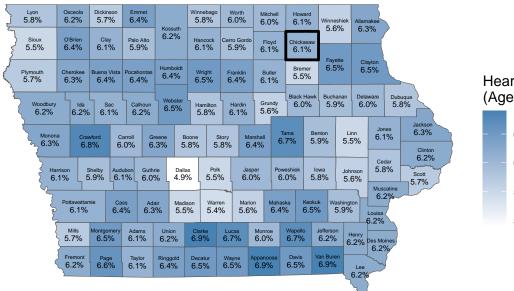
Data Source: CDC PLACES 2023 Release, BRFSS 2020

## Hearing disability

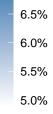


#### Hearing disability among adults aged >=18 years

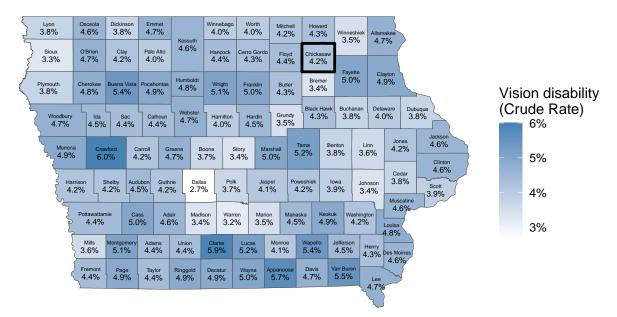




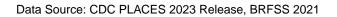
Hearing disability (Age–Adjusted Rate)

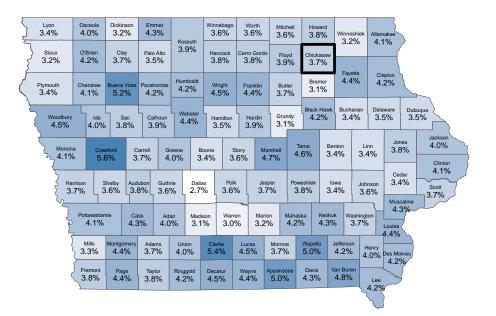


## Vision disability



#### Vision disability among adults aged >=18 years





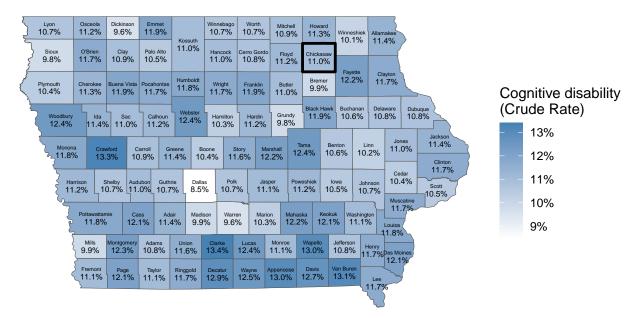






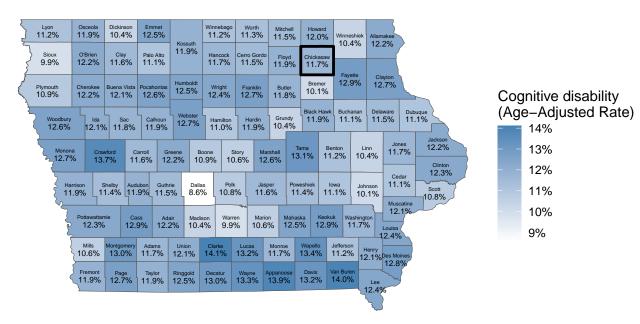
3.0%

# Cognitive disability

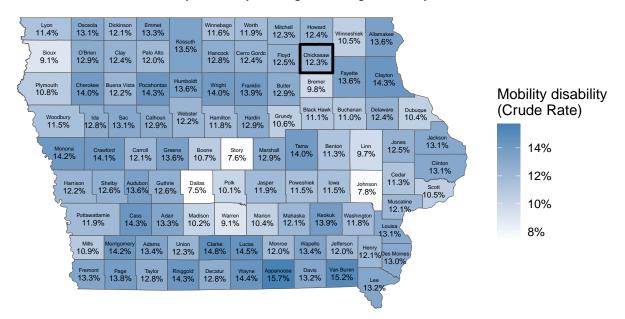


#### Cognitive disability among adults aged >=18 years

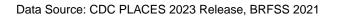
Data Source: CDC PLACES 2023 Release, BRFSS 2021

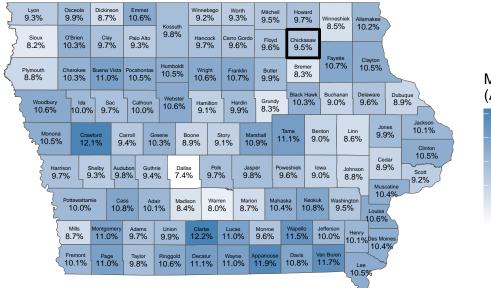


# Mobility disability



#### Mobility disability among adults aged >=18 years





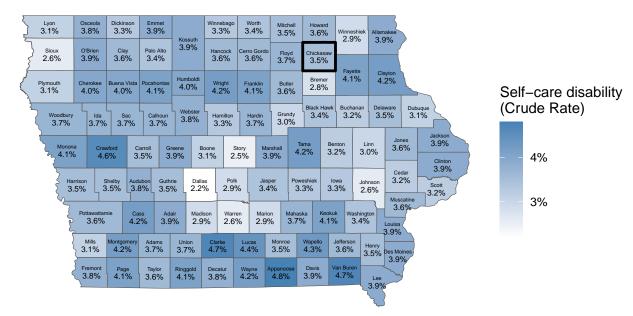
Mobility disability (Age–Adjusted Rate)

> - 11% - 10%

- 9%

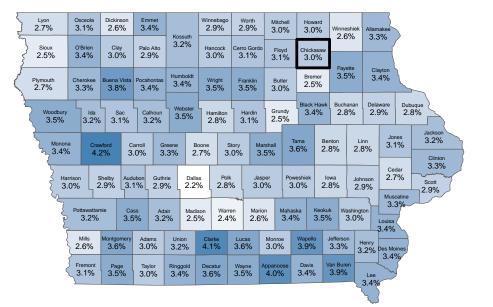
8%

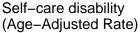
### Self-care disability

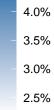


#### Self-care disability among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

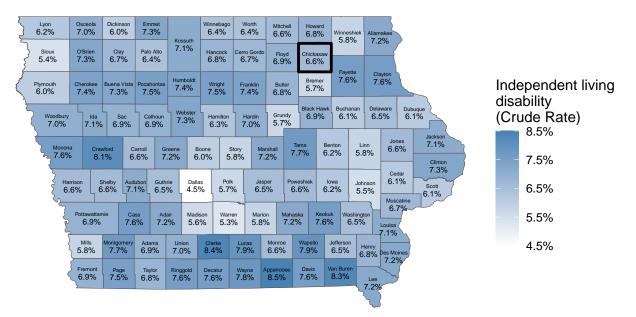






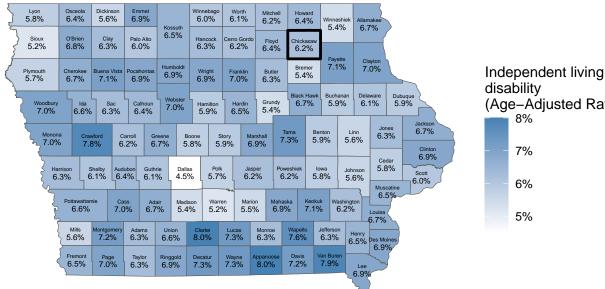
Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Independent living disability



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

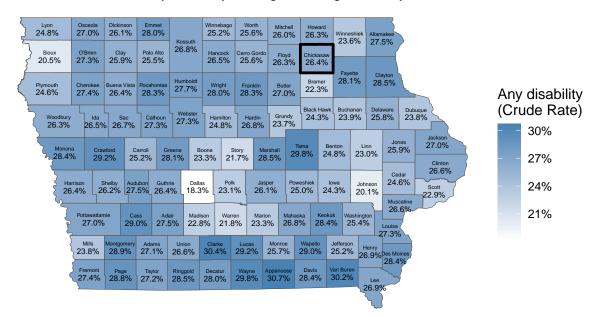
Data Source: CDC PLACES 2023 Release, BRFSS 2021



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

Data Source: CDC PLACES 2023 Release, BRFSS 2021

## Any disability



Any disability among adults aged >=18 years

Data Source: CDC PLACES 2023 Release, BRFSS 2021

