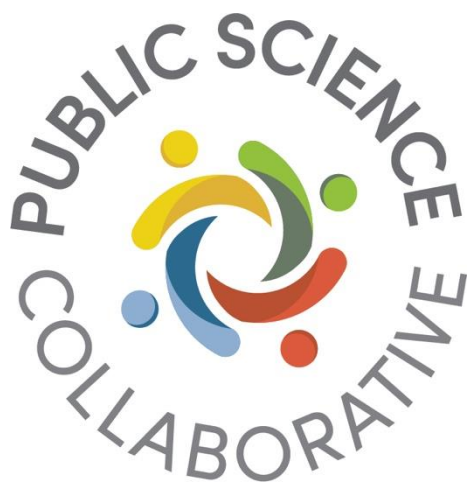




Iowa County Health Snapshot Series

*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 Clinton County: Overview	3
Strengths	3
Opportunities	4
How to Use this Report	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
Cancer (except skin)	13
Current Asthma	14
Coronary Heart Disease	14
COPD	15
Depression	15
Diabetes	16
High Cholesterol	16
Chronic Kidney Disease	17
Obesity	17
Stroke	18
All Teeth Lost	18
Prevention	19
Lack of Health Insurance	19
Taking BP Medication	20
Cervical Cancer Screening	20
Annual Checkup	21
Cholesterol Screening	21

Colorectal Cancer Screening	22
Core preventive services for older men	22
Core preventive services for older women	24
Dental Visit	24
Mammography	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: Clinton County PLACES Data	32
Appendix 3: Micropolitan Counties	34
Appendix 4: County Maps	35

Health in Clinton County: Overview

Dear Community Members & Stakeholders of Clinton 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 Clinton County ranks across various health measures compared to the rest of the state and similarly-sized counties. This comparison allows us to identify Clinton 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 Clinton County. Crude rates tell you the raw, un-adjusted percent of the population experiencing the health measure. Age-adjusted rates account for the age distribution present in your county and presents what the rate would be if your county had a standard age distribution. Crude rates can provide a general comparison between counties and age-adjusted rates can give a fairer comparison between counties with different age structures.

Strengths

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

Crude			Age-Adjusted		
Health Domain	Statewide County Rank	Micropolitan County Rank	Health Domain	Statewide County Rank	Micropolitan County Rank
Mammography	13th	3rd	Annual Checkup	11th	3rd
Annual Checkup	16th	1st	Mammography	12th	3rd
High Cholesterol	28th	5th	Taking BP Medication	16th	5th
Core preventive services for older women	33rd	6th	Cancer (except skin)	26th	7th
Cervical Cancer Screening	35th	4th	High Cholesterol	27th	5th

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	Micropolitan County Rank	Health Domain	Statewide County Rank	Micropolitan County Rank
Obesity	93rd	15th	Obesity	92nd	15th
Core preventive services for older men	88th	14th	Current Asthma	89th	13th
Current Asthma	87th	13th	Core preventive services for older men	88th	14th
Dental Visit	85th	12th	Dental Visit	85th	12th
Colorectal Cancer Screening	84th	10th	Physical Health	83rd	13th

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 Clinton County.

Sincerely,



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

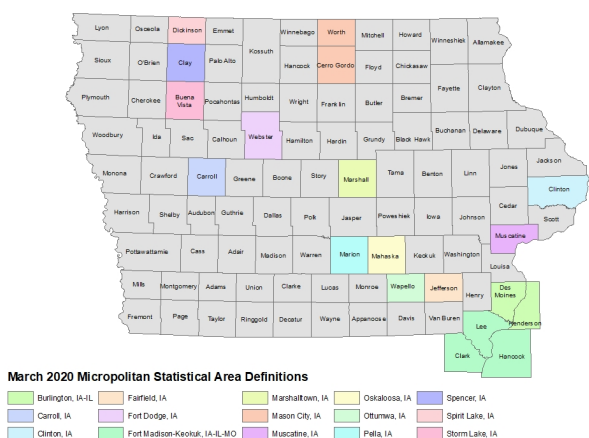
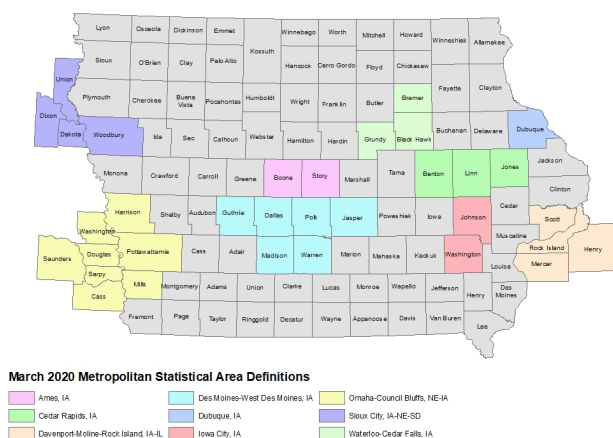
The purpose of the Iowa County Health Snapshot Series is to provide an overview of health in Clinton County that can be used to help inform health-related interventions and programming. This report contains five sections, including the overall health status of Clinton County, a review of risky behaviors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

With a population of 46,463, Clinton County's similarly sized counties are defined as micropolitan counties. In Iowa, micropolitan counties have an average population of 30,839, and there are 15 counties that are considered micropolitan 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

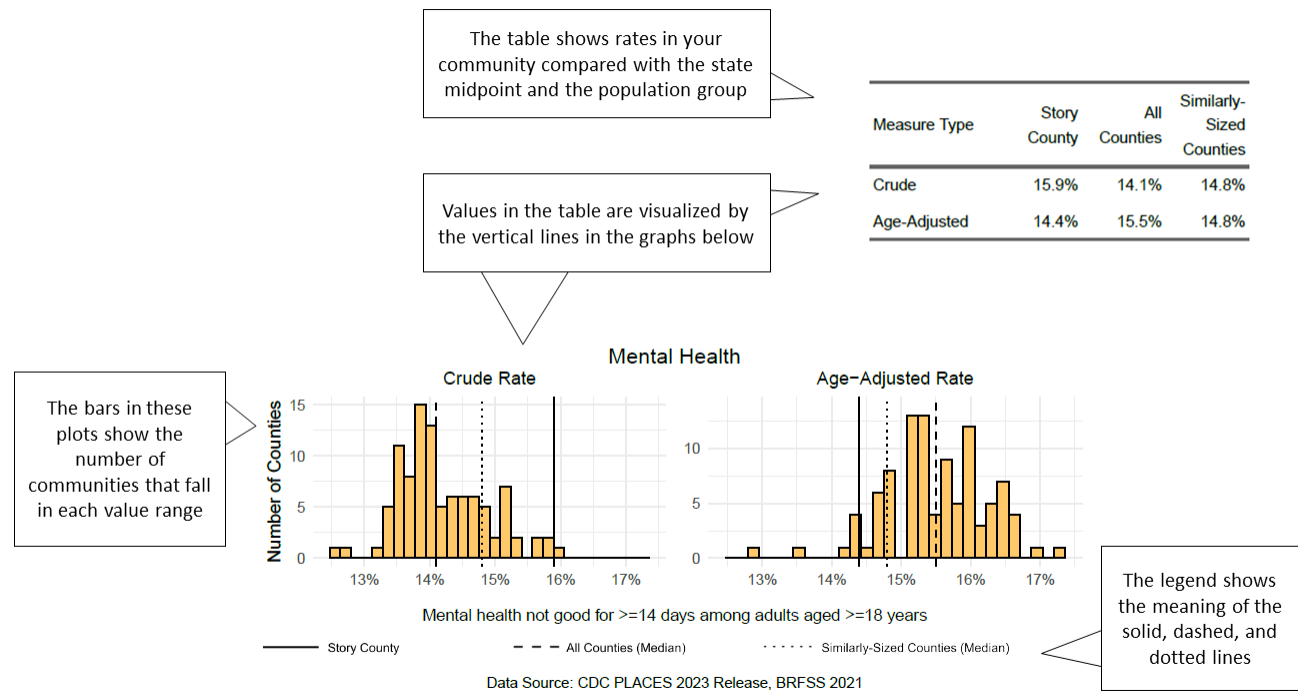
The counties included in each category above are determined by the United States Office of Management and Budget. Iowa has counties in nine metropolitan statistical areas and 15 micropolitan statistical areas. The counties identified as metropolitan and micropolitan can be found in the link and the maps 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 Iowa counties and similarly-sized counties. The images below show the distribution of the health measure across counties. The vertical lines correspond with the values in the table to show the estimate for the specific county compared to counties across the state. The solid black line in each plot represents the county rate, with the dashed lines indicating the average rate for all Iowa counties and the dotted lines showing the average rate for similarly-sized counties.



The 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

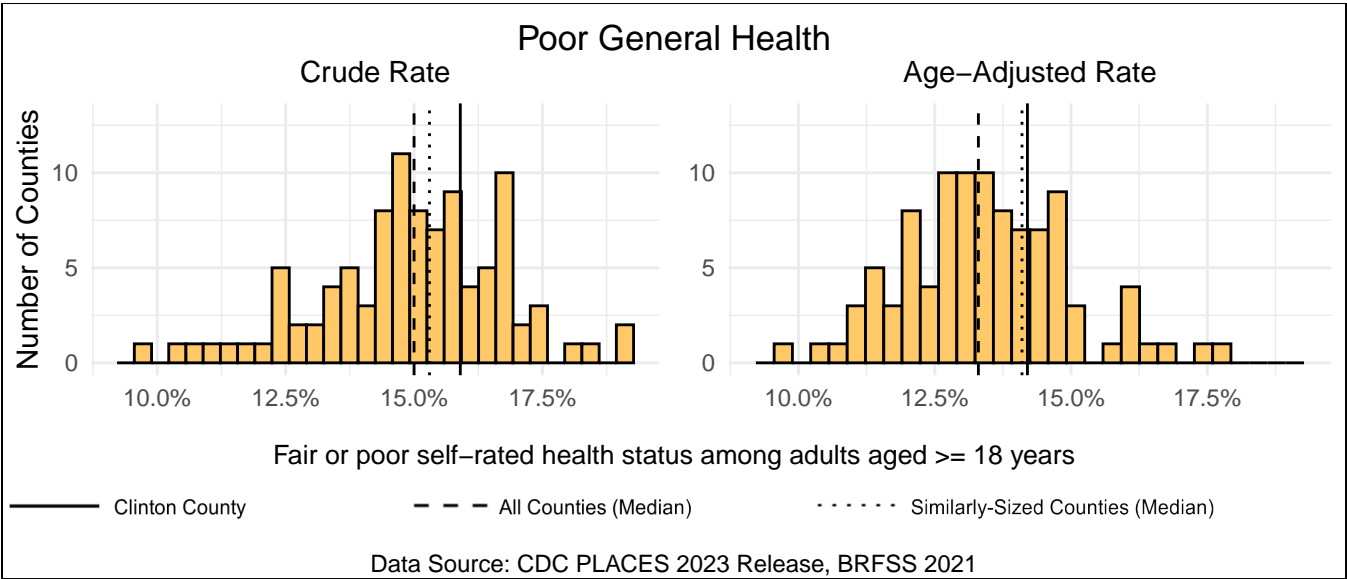
This section reflects measures for overall health, including general, physical, and mental health. These measures are a valuable way to see a simple summary of the health of a country’s population. The questions to calculate these measures ask respondents to evaluate their health status. General health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

Clinton County has a crude rate of 15.9% for fair or poor self-rated health status among adults aged >= 18 years, which ranks 70th out of 99 Iowa counties (11th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 14.2%, which ranks 69th out of 99 Iowa counties (9th out of 15 similarly-sized counties).

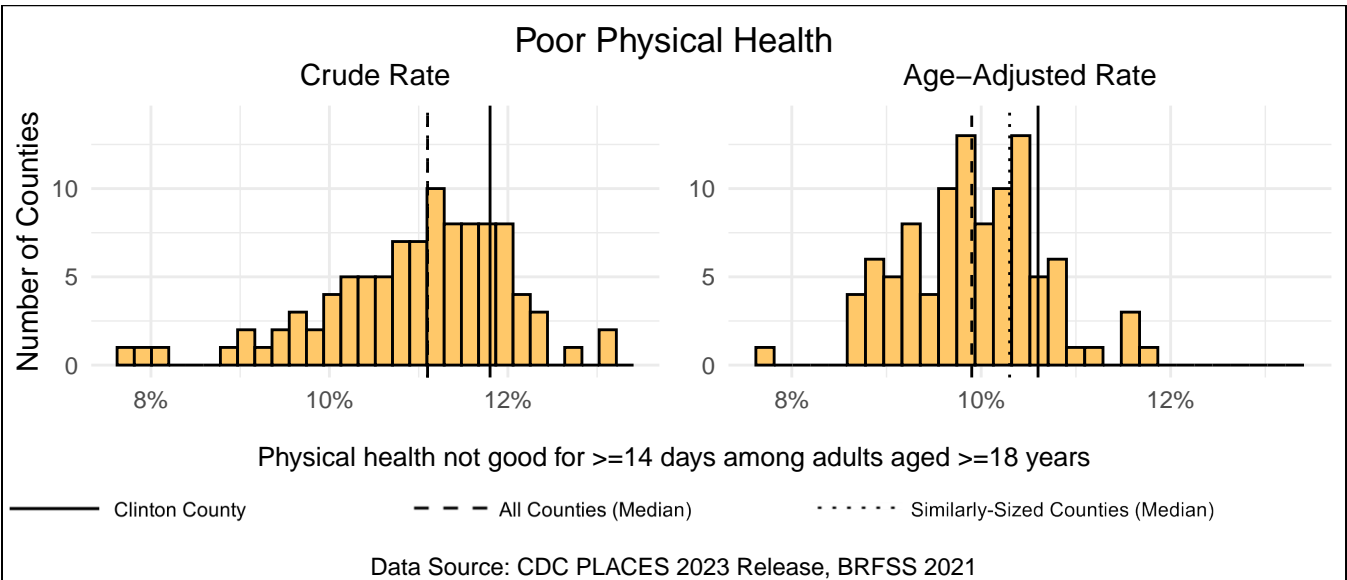
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	15.9%	15.0%	15.3%
Age-Adjusted	14.2%	13.3%	14.1%



Poor Physical Health

Clinton County has a crude rate of 11.8% for physical health not good for >=14 days among adults aged >=18 years, which ranks 79th out of 99 Iowa counties (14th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 10.6%, which ranks 83rd out of 99 Iowa counties (13th out of 15 similarly-sized counties).

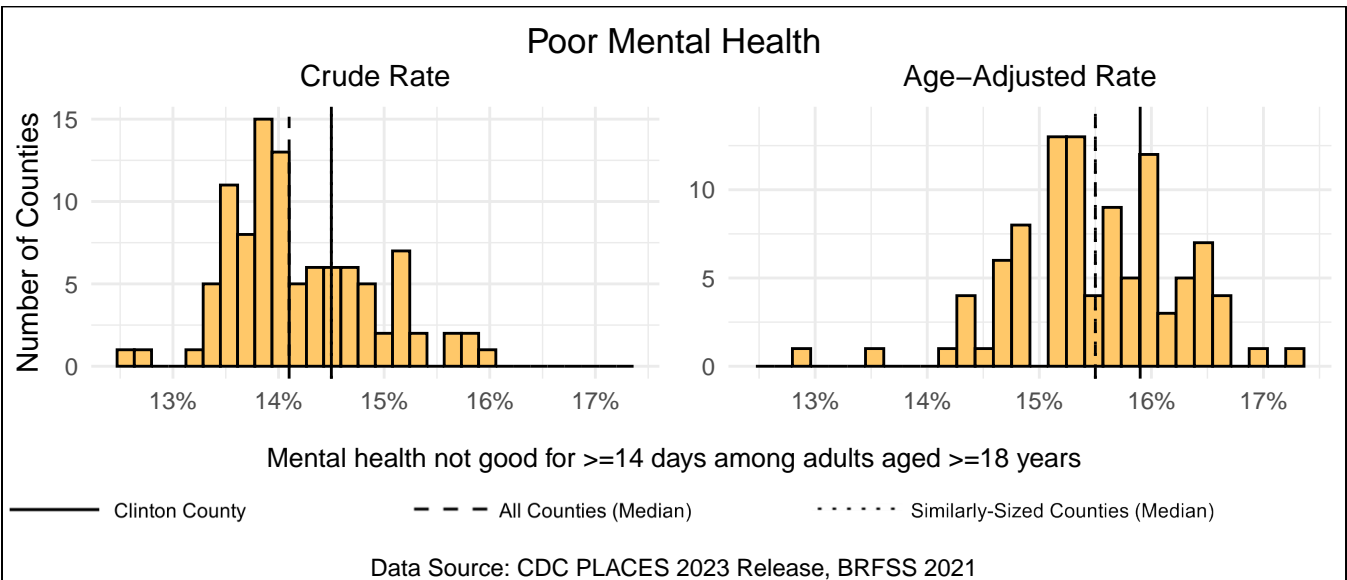
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	11.8%	11.1%	11.1%
Age-Adjusted	10.6%	9.9%	10.3%



Poor Mental Health

Clinton County has a crude rate of 14.5% for mental health not good for >=14 days among adults aged >=18 years, which ranks 67th out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 15.9%, which ranks 67th out of 99 Iowa counties (9th out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	14.5%	14.1%	14.5%
Age-Adjusted	15.9%	15.5%	15.5%



Health Risk Behaviors

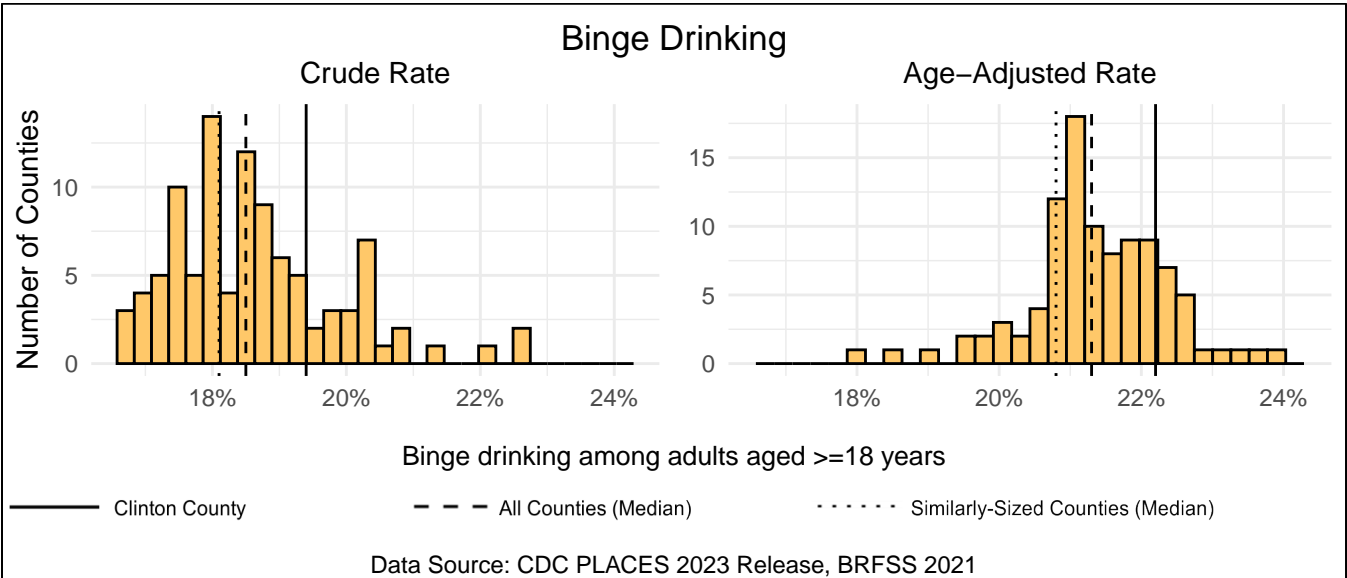
Health risk measures are measures of individual behaviors that can lead to poor health outcomes. These include binge drinking, current smoking, physical inactivity, and getting less than seven hours of nightly sleep. Risk behaviors are the most critical intervention points as they can help save lives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

Clinton County has a crude rate of 19.4% for binge drinking among adults aged ≥ 18 years, which ranks 76th out of 99 Iowa counties (13th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 22.2%, which ranks 78th out of 99 Iowa counties (12th out of 15 similarly-sized counties).

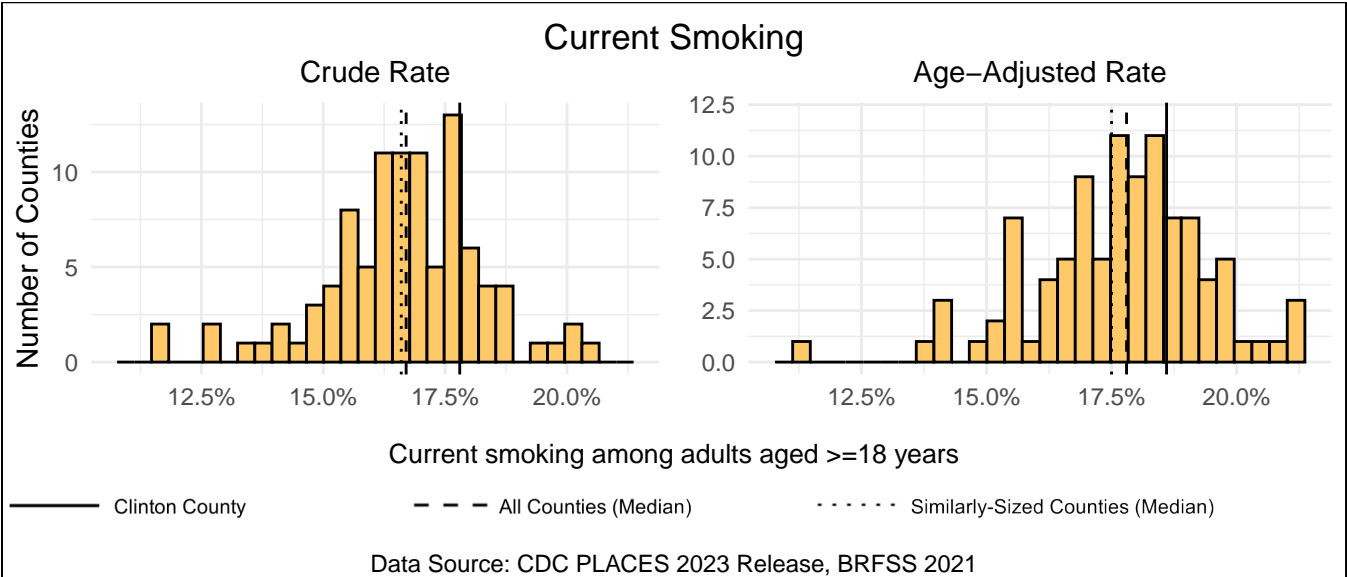
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	19.4%	18.5%	18.1%
Age-Adjusted	22.2%	21.3%	20.8%



Current Smoking

Clinton County has a crude rate of 17.8% for current smoking among adults aged >=18 years, which ranks 77th out of 99 Iowa counties (12th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 18.6%, which ranks 71st out of 99 Iowa counties (11th out of 15 similarly-sized counties).

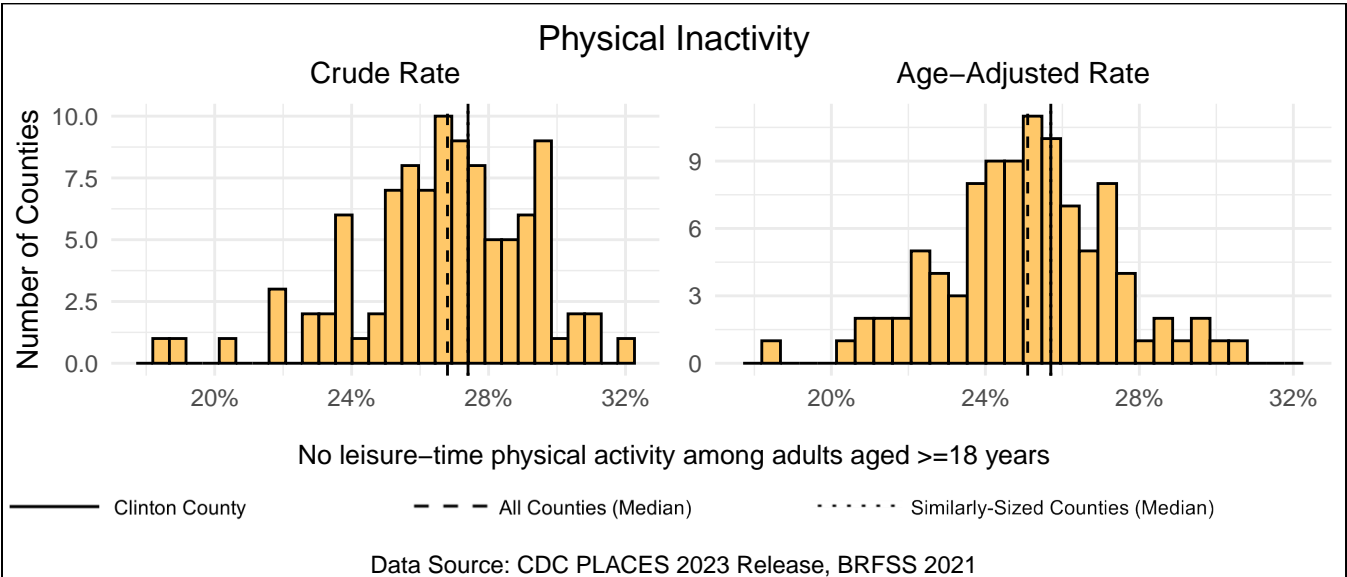
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	17.8%	16.7%	16.6%
Age-Adjusted	18.6%	17.8%	17.5%



Physical Inactivity

Clinton County has a crude rate of 27.4% for no leisure-time physical activity among adults aged >=18 years, which ranks 60th out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 25.7%, which ranks 61st out of 99 Iowa counties (5th out of 15 similarly-sized counties).

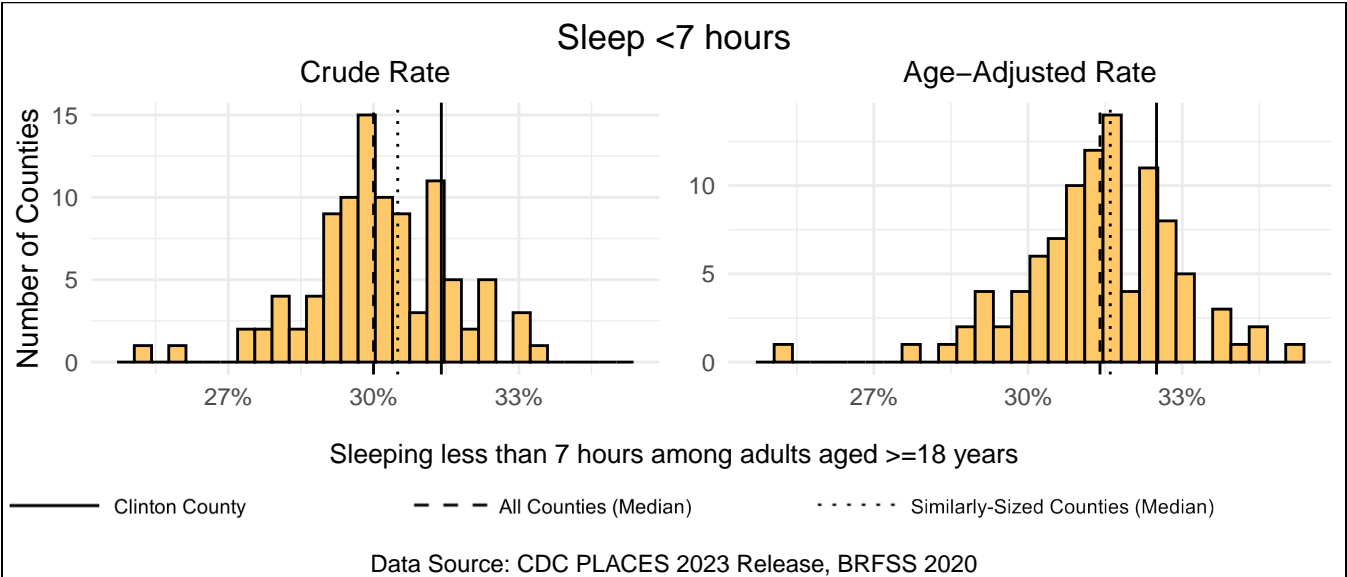
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	27.4%	26.8%	27.4%
Age-Adjusted	25.7%	25.1%	25.7%



Sleep <7 hours

Clinton County has a crude rate of 31.4% for sleeping less than 7 hours among adults aged ≥ 18 years, which ranks 82nd out of 99 Iowa counties (12th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 32.5%, which ranks 77th out of 99 Iowa counties (11th out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	31.4%	30.0%	30.5%
Age-Adjusted	32.5%	31.4%	31.6%



Health Outcomes

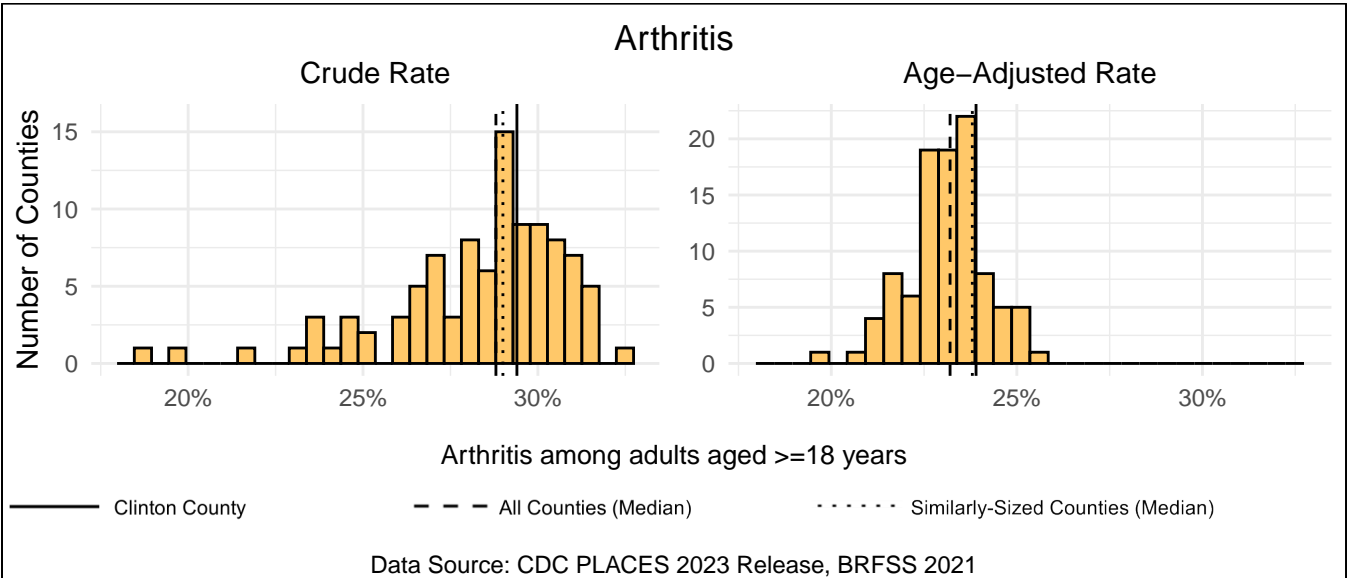
This section includes measures about specific health outcomes such as chronic illness, mental health conditions, and risk factors for future disease. Health outcome measures include but are not limited to arthritis, high blood pressure, cancer, depression, and obesity. Each measure is the percentage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

Clinton County has a crude rate of 29.4% for arthritis among adults aged ≥ 18 years, which ranks 63rd out of 99 Iowa counties (11th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 23.9%, which ranks 81st out of 99 Iowa counties (10th out of 15 similarly-sized counties).

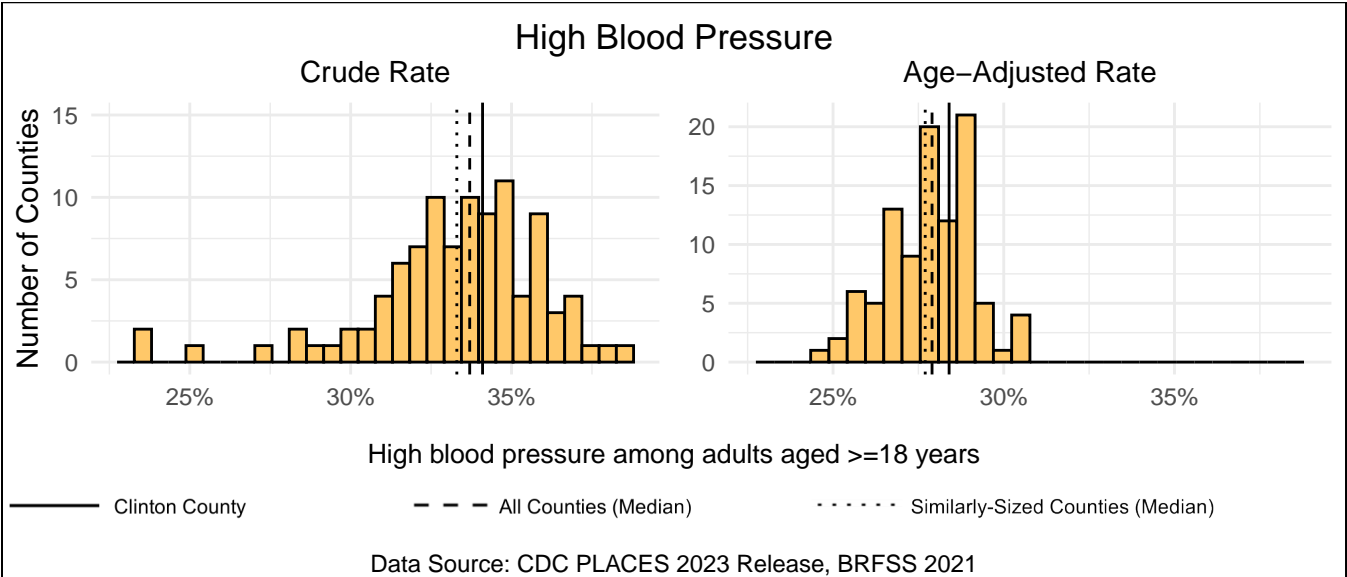
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	29.4%	28.8%	29.0%
Age-Adjusted	23.9%	23.2%	23.8%



High Blood Pressure

Clinton County has a crude rate of 34.1% for high blood pressure among adults aged ≥ 18 years, which ranks 57th out of 99 Iowa counties (11th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 28.4%, which ranks 64th out of 99 Iowa counties (11th out of 15 similarly-sized counties).

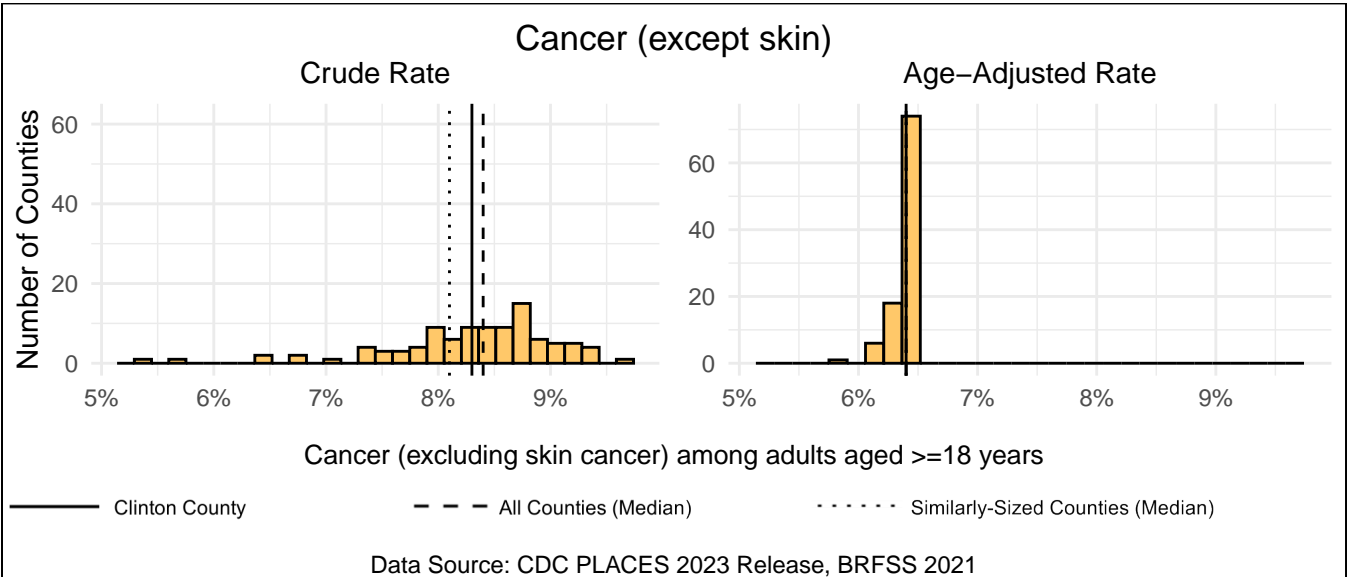
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	34.1%	33.7%	33.3%
Age-Adjusted	28.4%	27.9%	27.7%



Cancer (except skin)

Clinton County has a crude rate of 8.3% for cancer (excluding skin cancer) among adults aged ≥ 18 years, which ranks 37th out of 99 Iowa counties (9th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 6.4%, which ranks 26th out of 99 Iowa counties (7th out of 15 similarly-sized counties).

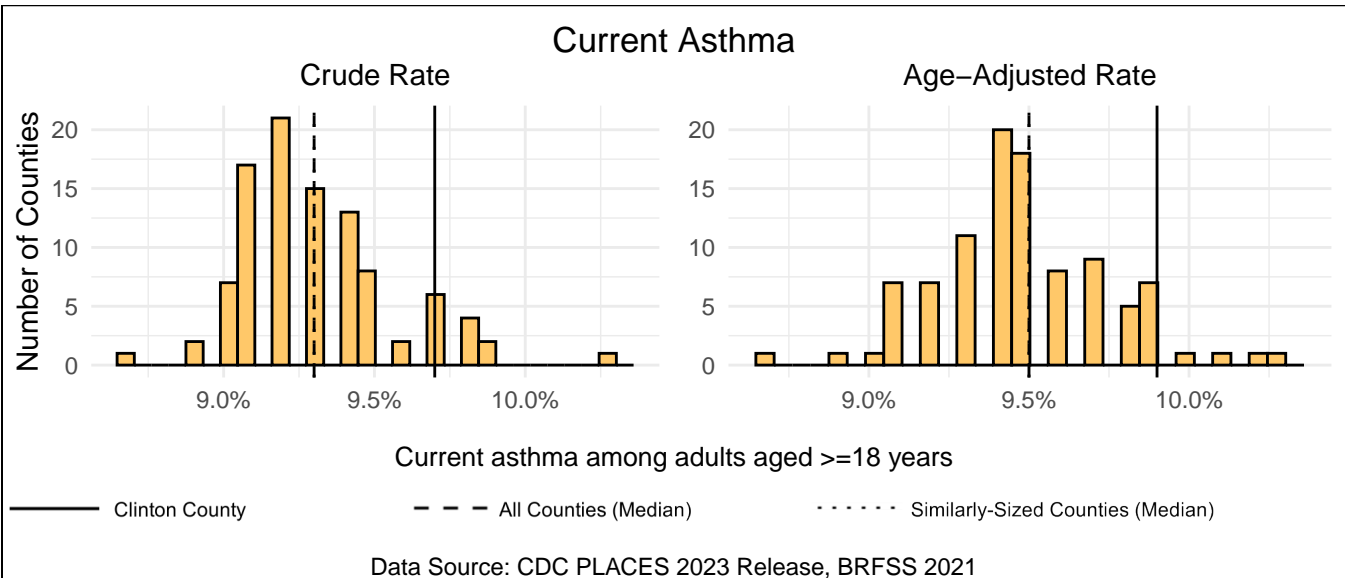
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	8.3%	8.4%	8.1%
Age-Adjusted	6.4%	6.4%	6.4%



Current Asthma

Clinton County has a crude rate of 9.7% for current asthma among adults aged ≥ 18 years, which ranks 87th out of 99 Iowa counties (13th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 9.9%, which ranks 89th out of 99 Iowa counties (13th out of 15 similarly-sized counties).

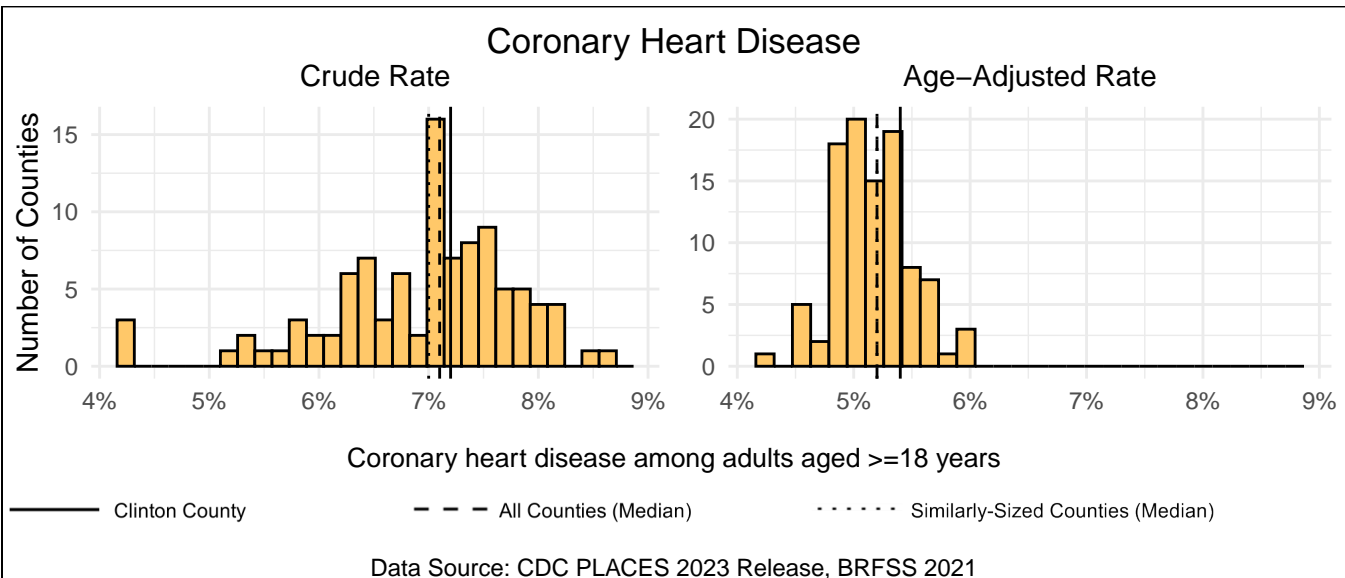
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	9.7%	9.3%	9.3%
Age-Adjusted	9.9%	9.5%	9.5%



Coronary Heart Disease

Clinton County has a crude rate of 7.2% for coronary heart disease among adults aged ≥ 18 years, which ranks 56th out of 99 Iowa counties (13th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 5.4%, which ranks 70th out of 99 Iowa counties (10th out of 15 similarly-sized counties).

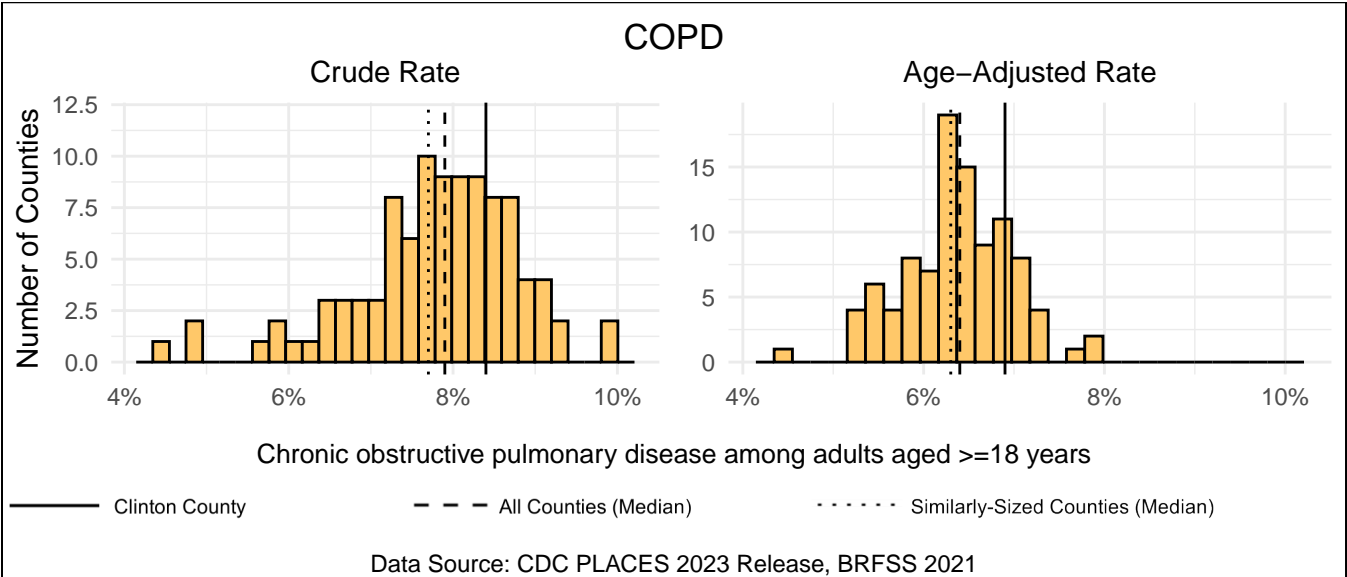
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	7.2%	7.1%	7.0%
Age-Adjusted	5.4%	5.2%	5.2%



COPD

Clinton County has a crude rate of 8.4% for chronic obstructive pulmonary disease among adults aged ≥ 18 years, which ranks 72nd out of 99 Iowa counties (14th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 6.9%, which ranks 81st out of 99 Iowa counties (13th out of 15 similarly-sized counties).

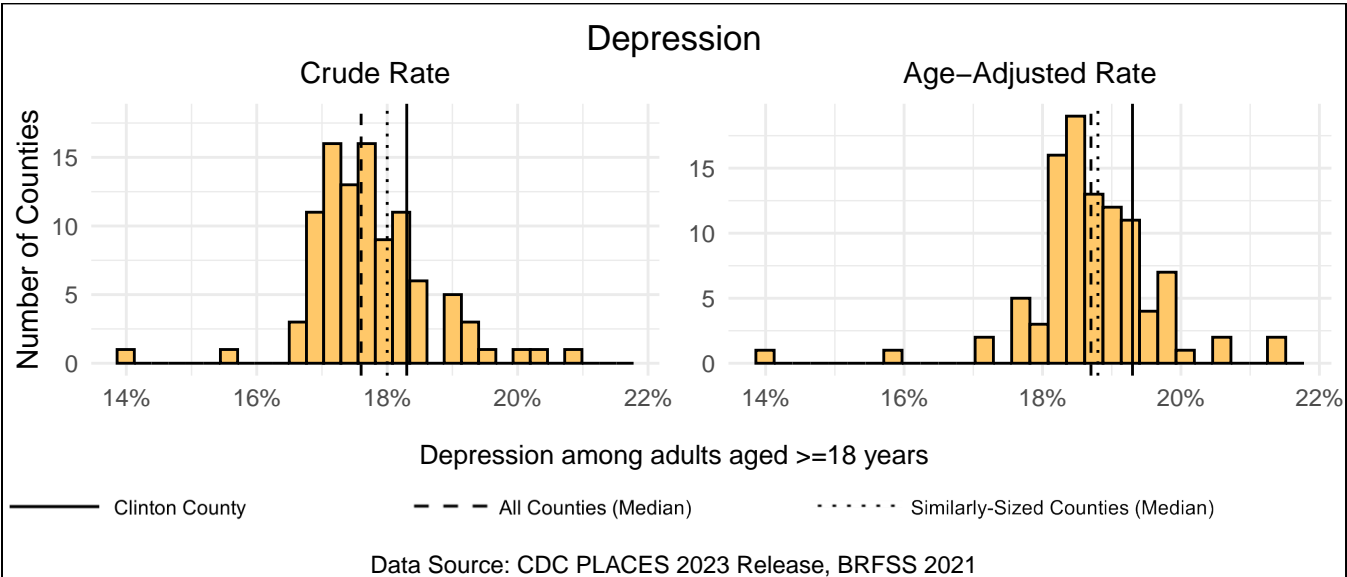
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	8.4%	7.9%	7.7%
Age-Adjusted	6.9%	6.4%	6.3%



Depression

Clinton County has a crude rate of 18.3% for depression among adults aged ≥ 18 years, which ranks 77th out of 99 Iowa counties (10th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 19.3%, which ranks 76th out of 99 Iowa counties (11th out of 15 similarly-sized counties).

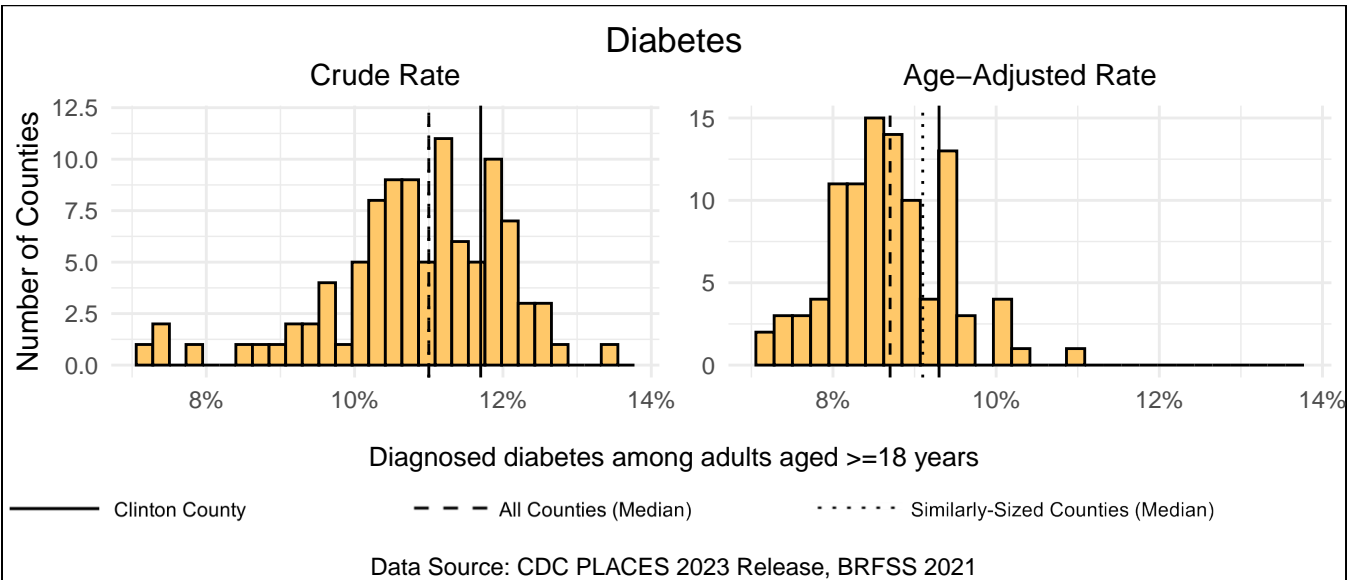
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	18.3%	17.6%	18.0%
Age-Adjusted	19.3%	18.7%	18.8%



Diabetes

Clinton County has a crude rate of 11.7% for diagnosed diabetes among adults aged ≥ 18 years, which ranks 71st out of 99 Iowa counties (13th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 9.3%, which ranks 78th out of 99 Iowa counties (9th out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	11.7%	11.0%	11.0%
Age-Adjusted	9.3%	8.7%	9.1%



High Cholesterol

Clinton County has a crude rate of 36.9% for high cholesterol among adults aged ≥ 18 years who have been screened in the past 5 years, which ranks 28th out of 99 Iowa counties (5th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 29.5%, which ranks 27th out of 99 Iowa counties (5th out of 15 similarly-sized counties).

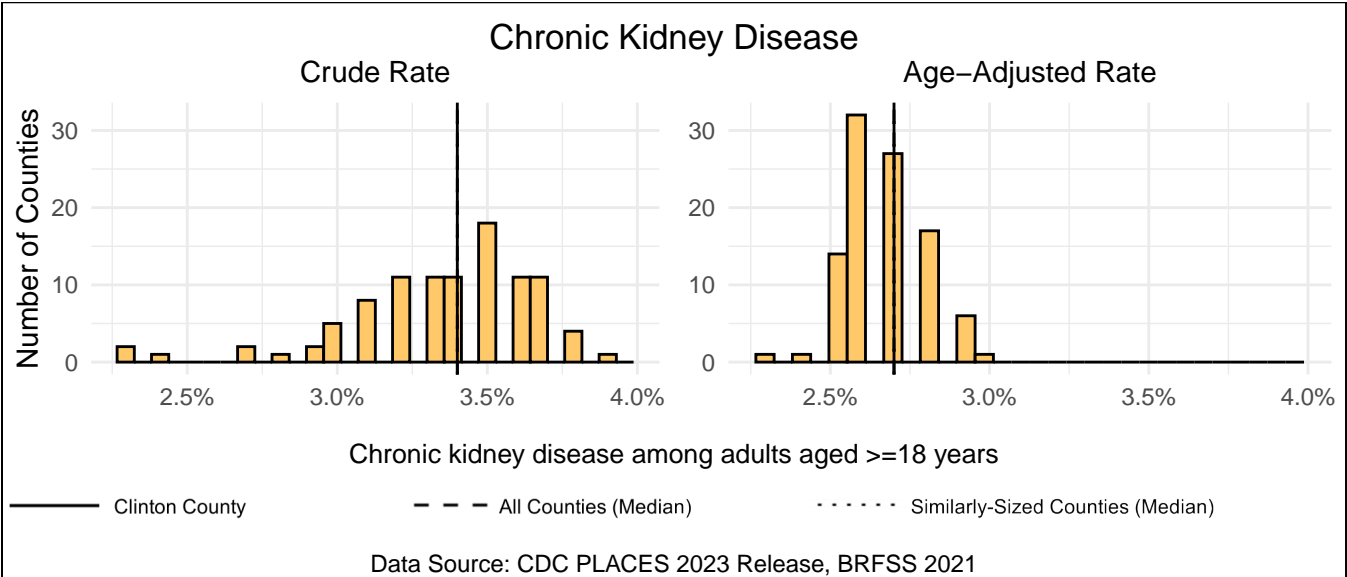
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	36.9%	37.5%	37.4%
Age-Adjusted	29.5%	29.8%	30.0%



Chronic Kidney Disease

Clinton County has a crude rate of 3.4% for chronic kidney disease among adults aged ≥ 18 years, which ranks 44th out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 2.7%, which ranks 49th out of 99 Iowa counties (6th out of 15 similarly-sized counties).

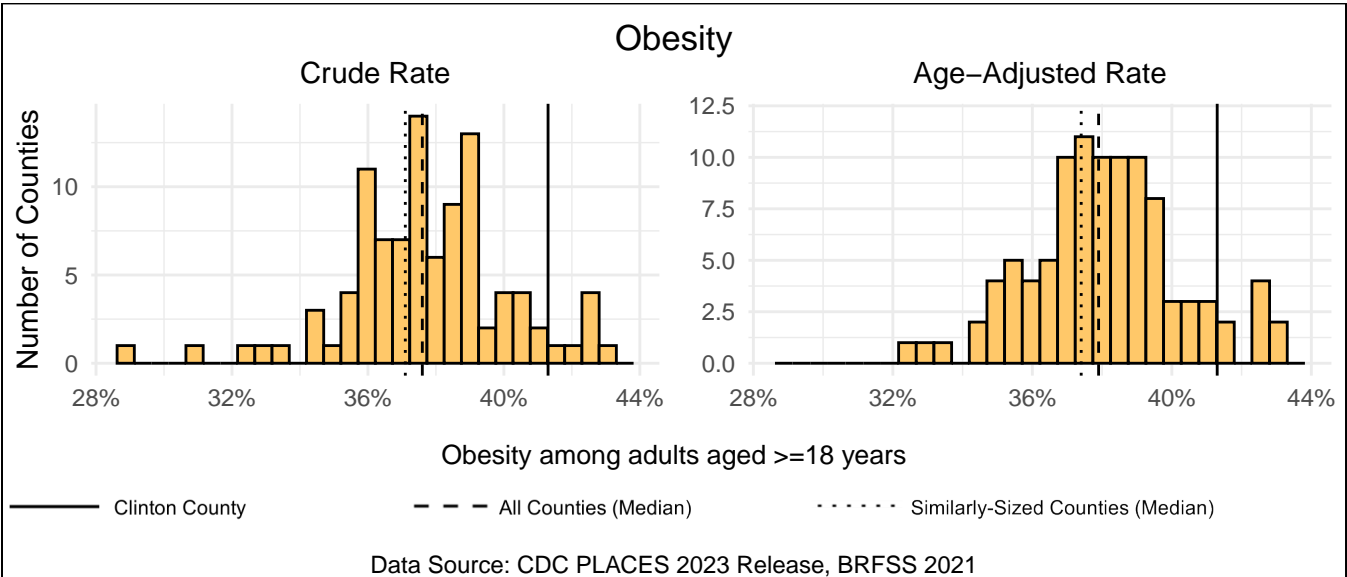
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	3.4%	3.4%	3.4%
Age-Adjusted	2.7%	2.7%	2.7%



Obesity

Clinton County has a crude rate of 41.3% for obesity among adults aged ≥ 18 years, which ranks 93rd out of 99 Iowa counties (15th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 41.3%, which ranks 92nd out of 99 Iowa counties (15th out of 15 similarly-sized counties).

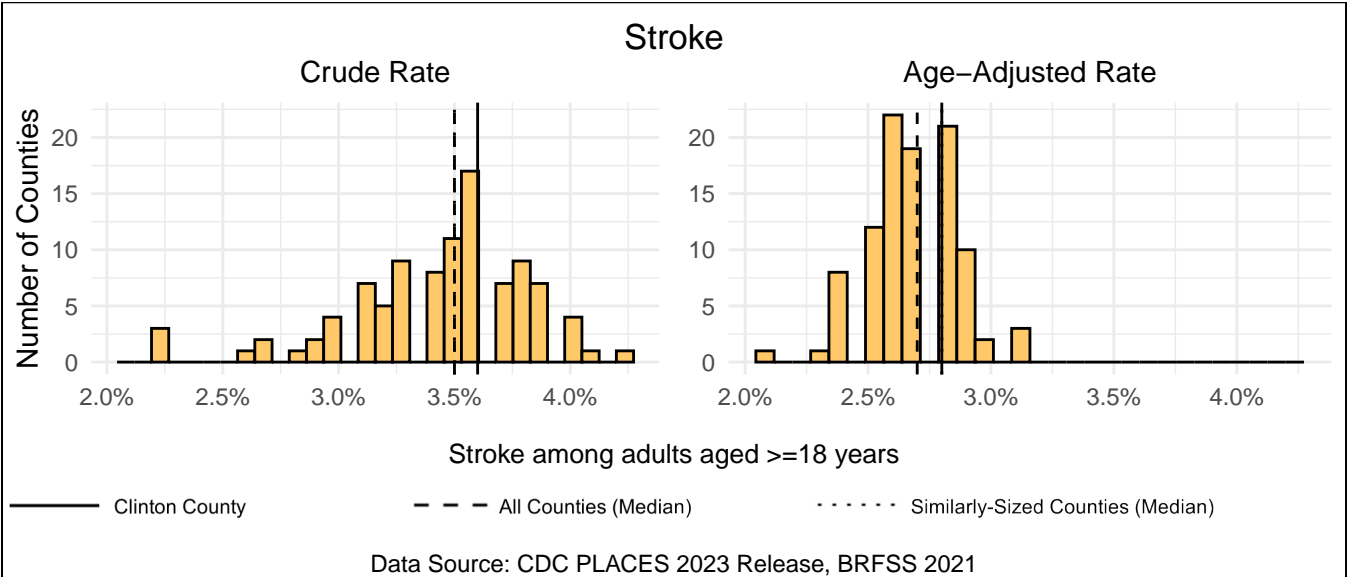
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	41.3%	37.6%	37.1%
Age-Adjusted	41.3%	37.9%	37.4%



Stroke

Clinton County has a crude rate of 3.6% for stroke among adults aged ≥ 18 years, which ranks 54th out of 99 Iowa counties (12th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 2.8%, which ranks 64th out of 99 Iowa counties (8th out of 15 similarly-sized counties).

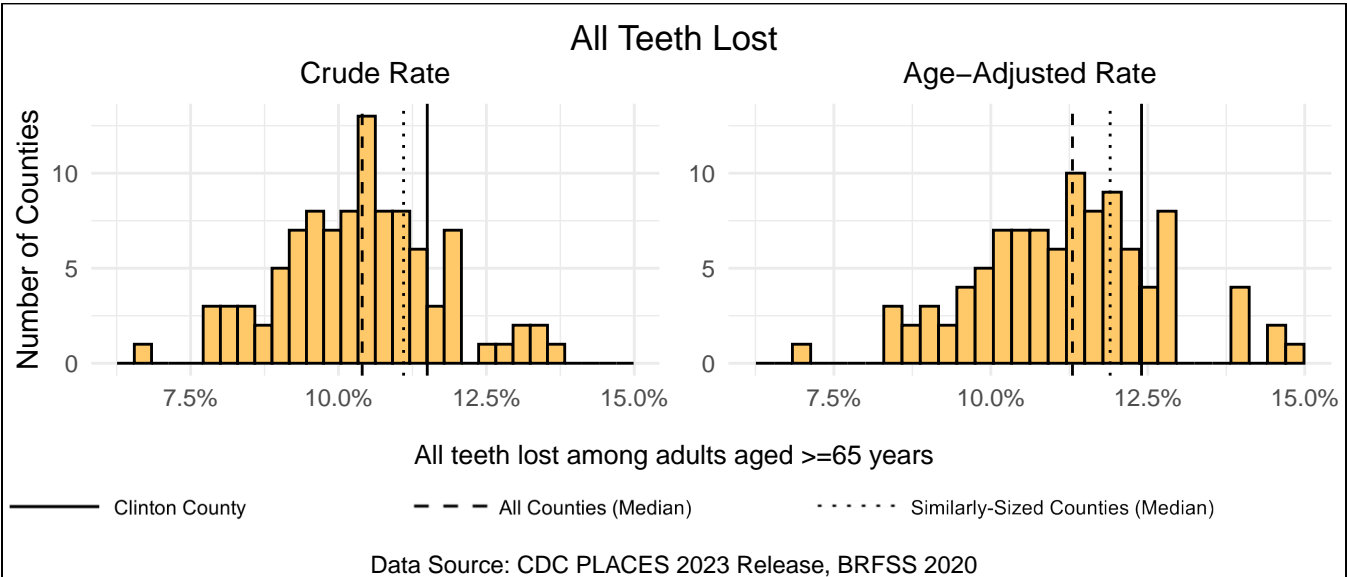
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	3.6%	3.5%	3.5%
Age-Adjusted	2.8%	2.7%	2.8%



All Teeth Lost

Clinton County has a crude rate of 11.5% for all teeth lost among adults aged ≥ 65 years, which ranks 83rd out of 99 Iowa counties (11th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 12.4%, which ranks 81st out of 99 Iowa counties (11th out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	11.5%	10.4%	11.1%
Age-Adjusted	12.4%	11.3%	11.9%



Prevention

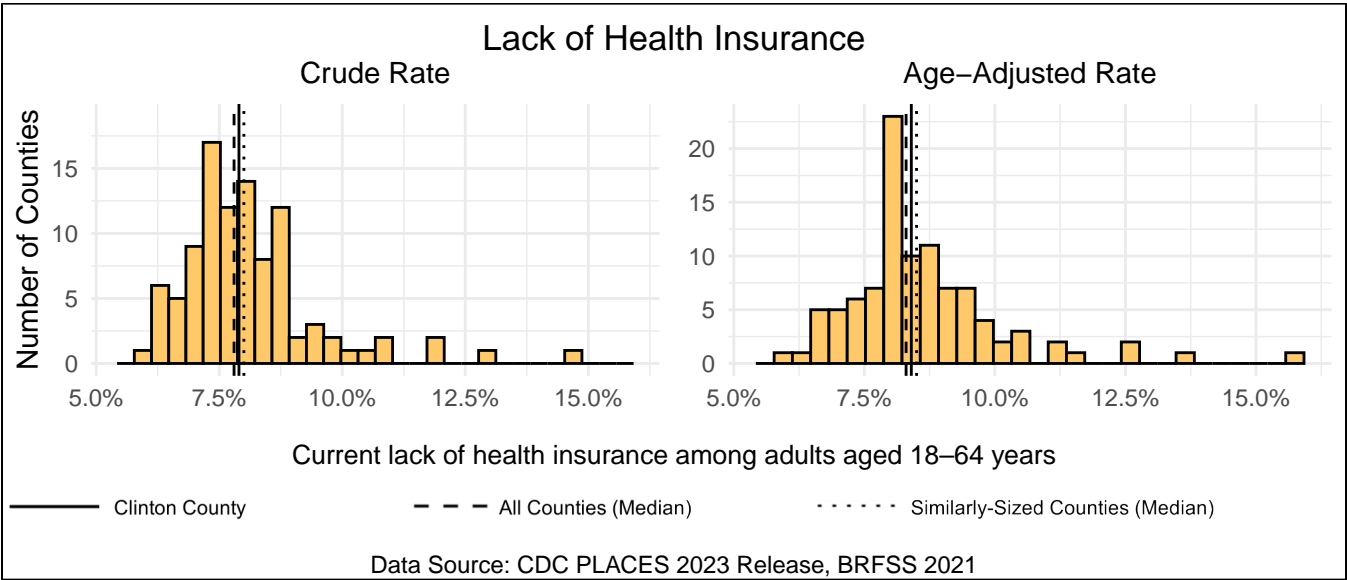
Preventive measures are another practical intervention point for public health professionals as they allow for the early detection of health conditions and improve overall treatment efficacy. This section includes a review of your county’s prevention measures, including preventive screenings and doctor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

Clinton County has a crude rate of 7.9% for current lack of health insurance among adults aged 18–64 years, which ranks 51st out of 99 Iowa counties (6th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 8.4%, which ranks 52nd out of 99 Iowa counties (7th out of 15 similarly-sized counties).

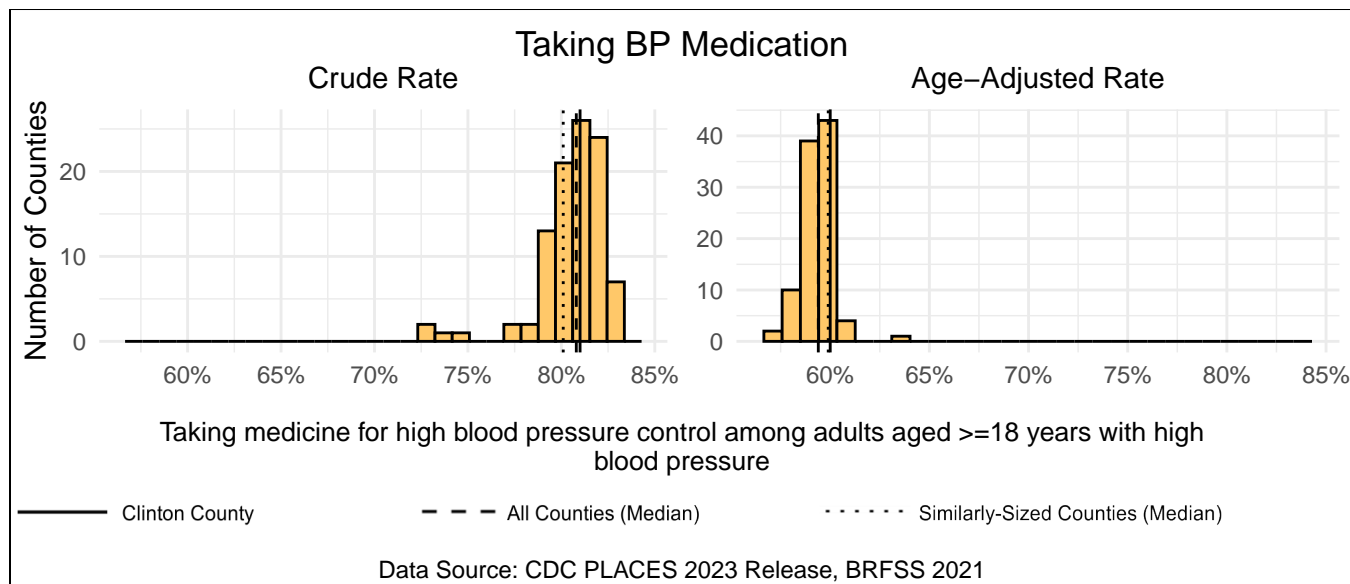
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	7.9%	7.8%	8.0%
Age-Adjusted	8.4%	8.3%	8.5%



Taking BP Medication

Clinton 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 Iowa counties (5th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 60.0%, which ranks 16th out of 99 Iowa counties (5th out of 15 similarly-sized counties).

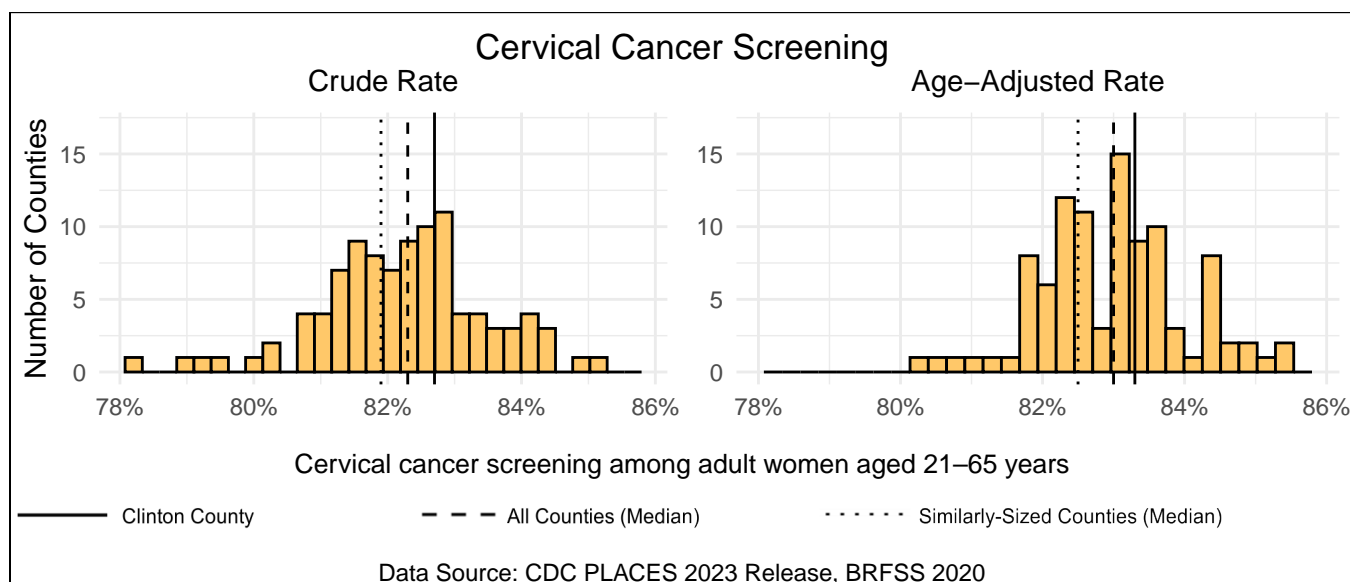
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	81.0%	80.8%	80.1%
Age-Adjusted	60.0%	59.4%	59.9%



Cervical Cancer Screening

Clinton County has a crude rate of 82.7% for cervical cancer screening among adult women aged 21–65 years, which ranks 35th out of 99 Iowa counties (4th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 83.3%, which ranks 35th out of 99 Iowa counties (4th out of 15 similarly-sized counties).

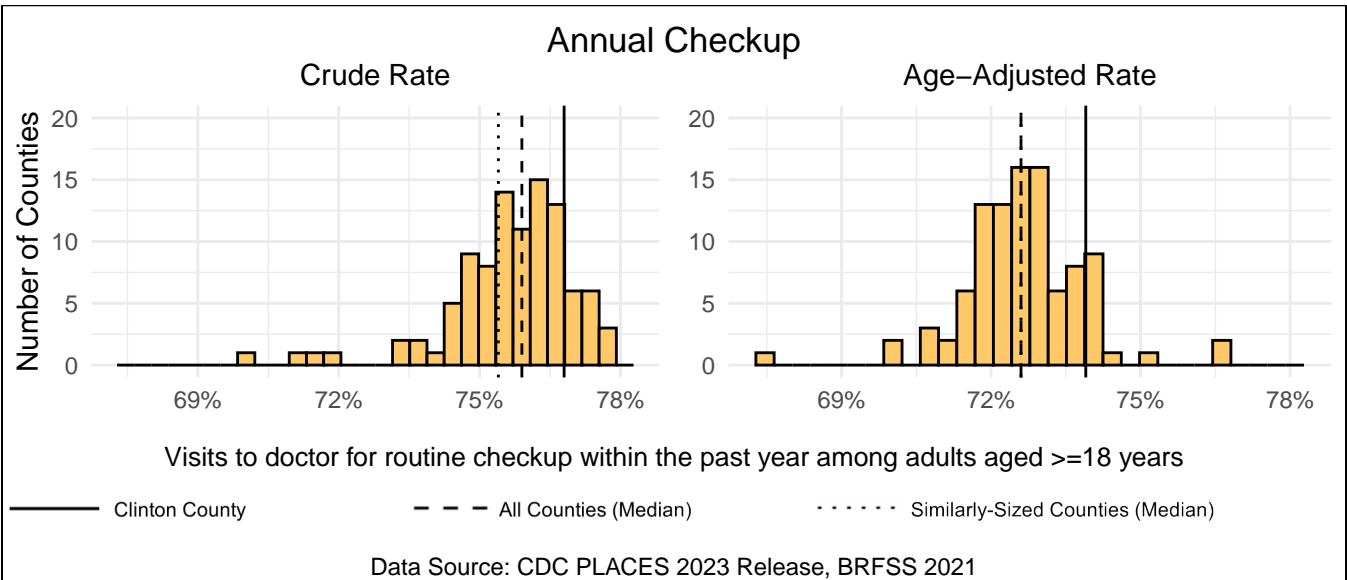
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	82.7%	82.3%	81.9%
Age-Adjusted	83.3%	83.0%	82.5%



Annual Checkup

Clinton County has a crude rate of 76.8% for visits to doctor for routine checkup within the past year among adults aged >=18 years, which ranks 16th out of 99 Iowa counties (1st out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 73.9%, which ranks 11th out of 99 Iowa counties (3rd out of 15 similarly-sized counties).

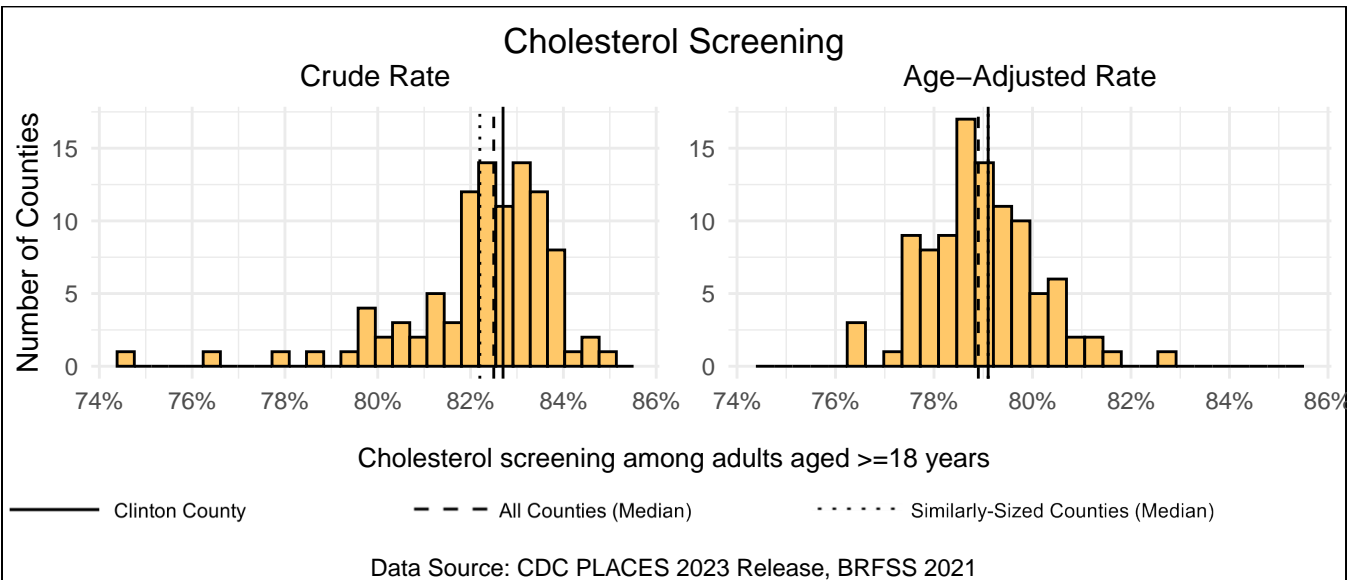
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	76.8%	75.9%	75.4%
Age-Adjusted	73.9%	72.6%	72.6%



Cholesterol Screening

Clinton County has a crude rate of 82.7% for cholesterol screening among adults aged >=18 years, which ranks 41st out of 99 Iowa counties (5th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 79.1%, which ranks 41st out of 99 Iowa counties (7th out of 15 similarly-sized counties).

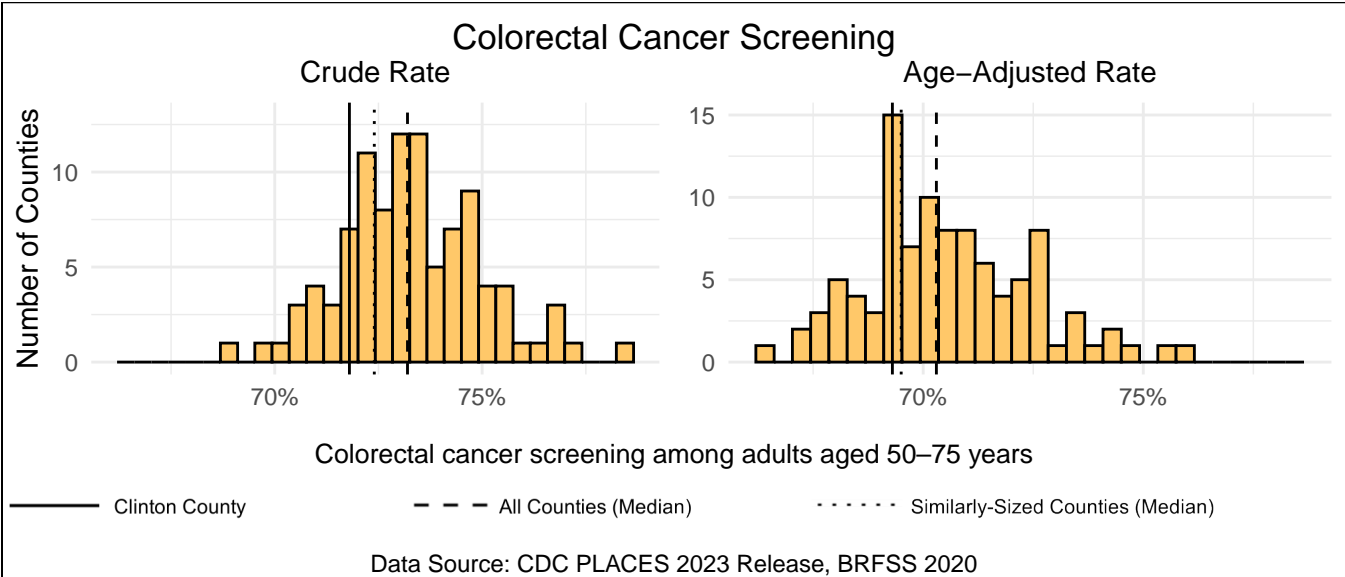
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	82.7%	82.5%	82.2%
Age-Adjusted	79.1%	78.9%	79.1%



Colorectal Cancer Screening

Clinton County has a crude rate of 71.8% for colorectal cancer screening among adults aged 50–75 years, which ranks 84th out of 99 Iowa counties (10th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 69.3%, which ranks 76th out of 99 Iowa counties (9th out of 15 similarly-sized counties).

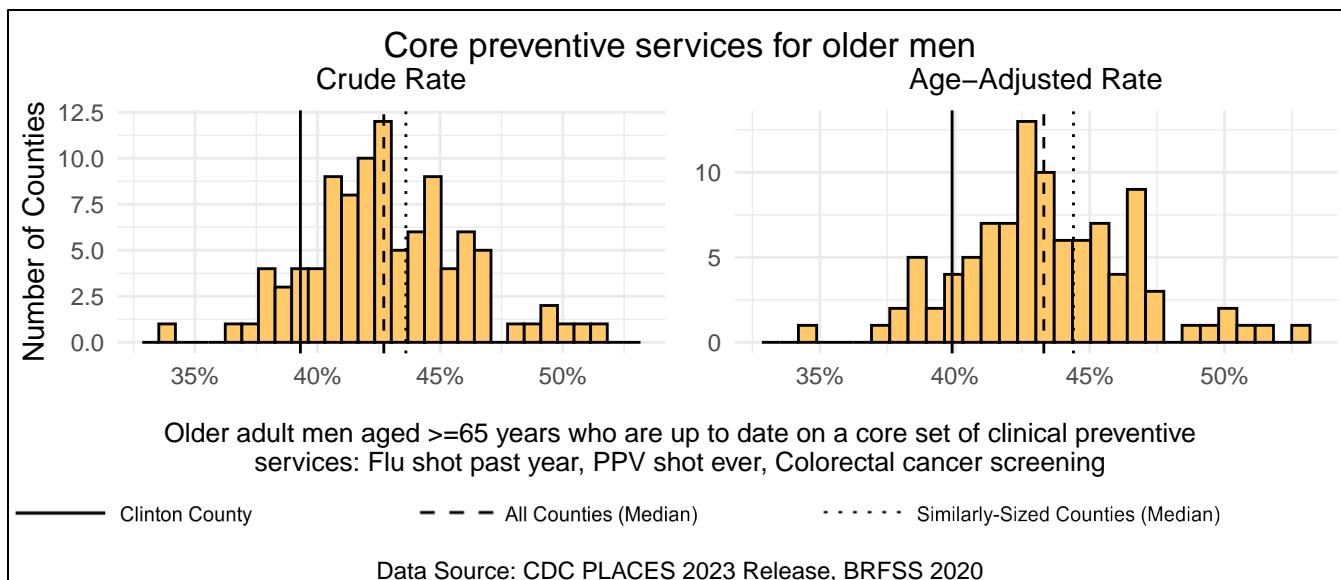
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	71.8%	73.2%	72.4%
Age-Adjusted	69.3%	70.3%	69.5%



Core preventive services for older men

Clinton County has a crude rate of 39.3% 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 88th out of 99 Iowa counties (14th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 39.9%, which ranks 88th out of 99 Iowa counties (14th out of 15 similarly-sized counties).

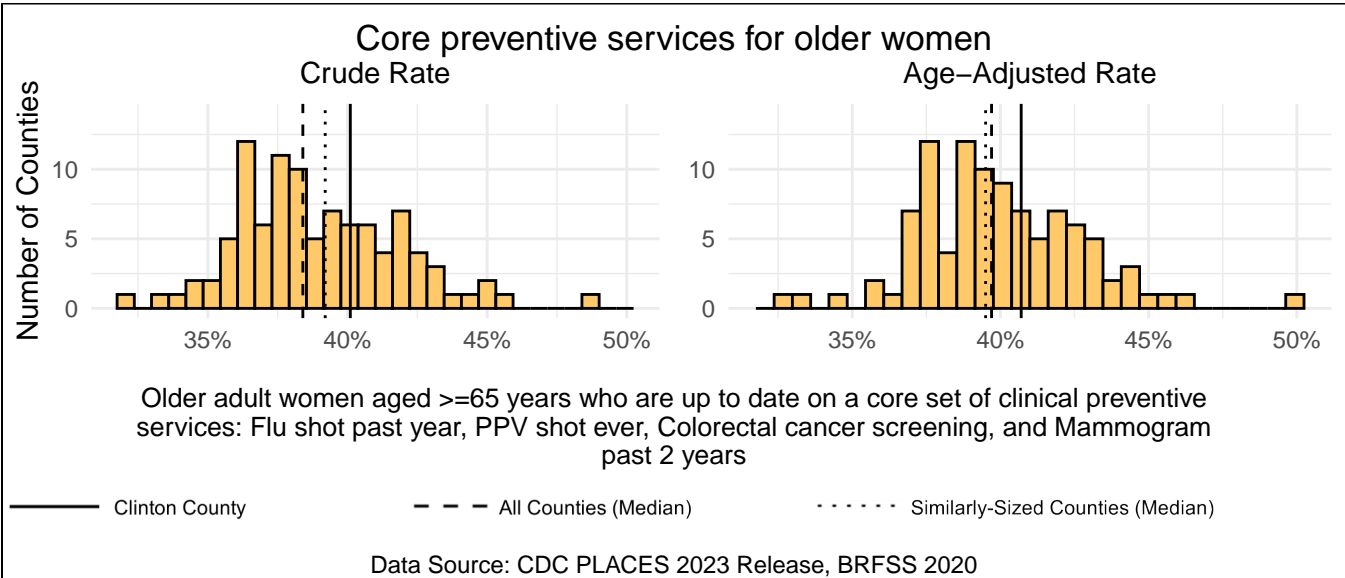
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	39.3%	42.7%	43.6%
Age-Adjusted	39.9%	43.3%	44.4%



Core preventive services for older women

Clinton County has a crude rate of 40.1% 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 33rd out of 99 Iowa counties (6th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 40.7%, which ranks 35th out of 99 Iowa counties (6th out of 15 similarly-sized counties).

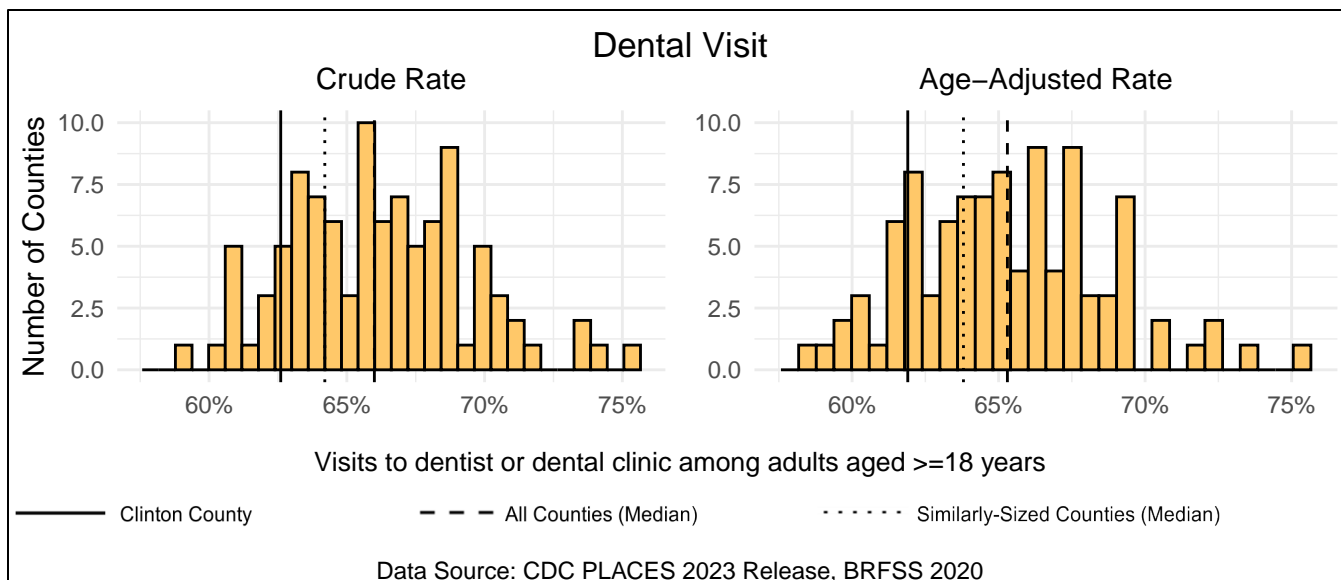
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	40.1%	38.4%	39.2%
Age-Adjusted	40.7%	39.7%	39.5%



Dental Visit

Clinton County has a crude rate of 62.6% for visits to dentist or dental clinic among adults aged ≥ 18 years, which ranks 85th out of 99 Iowa counties (12th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 61.9%, which ranks 85th out of 99 Iowa counties (12th out of 15 similarly-sized counties).

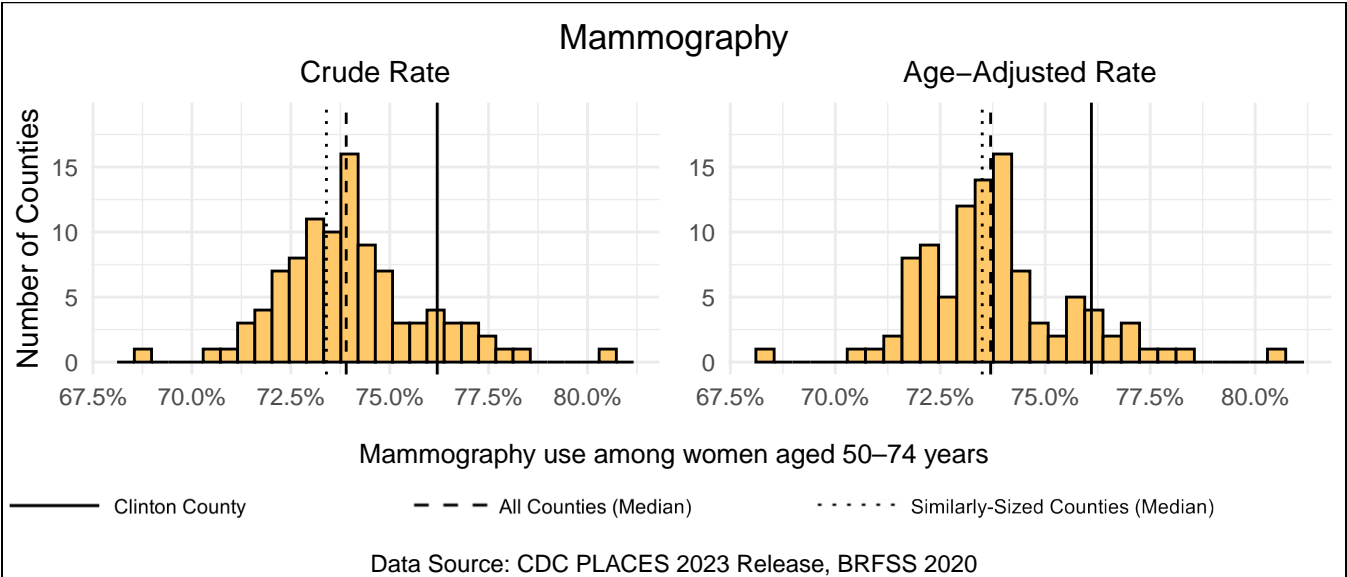
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	62.6%	66.0%	64.2%
Age-Adjusted	61.9%	65.3%	63.8%



Mammography

Clinton County has a crude rate of 76.2% for mammography use among women aged 50–74 years, which ranks 13th out of 99 Iowa counties (3rd out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 76.1%, which ranks 12th out of 99 Iowa counties (3rd out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	76.2%	73.9%	73.4%
Age-Adjusted	76.1%	73.7%	73.5%



Disability

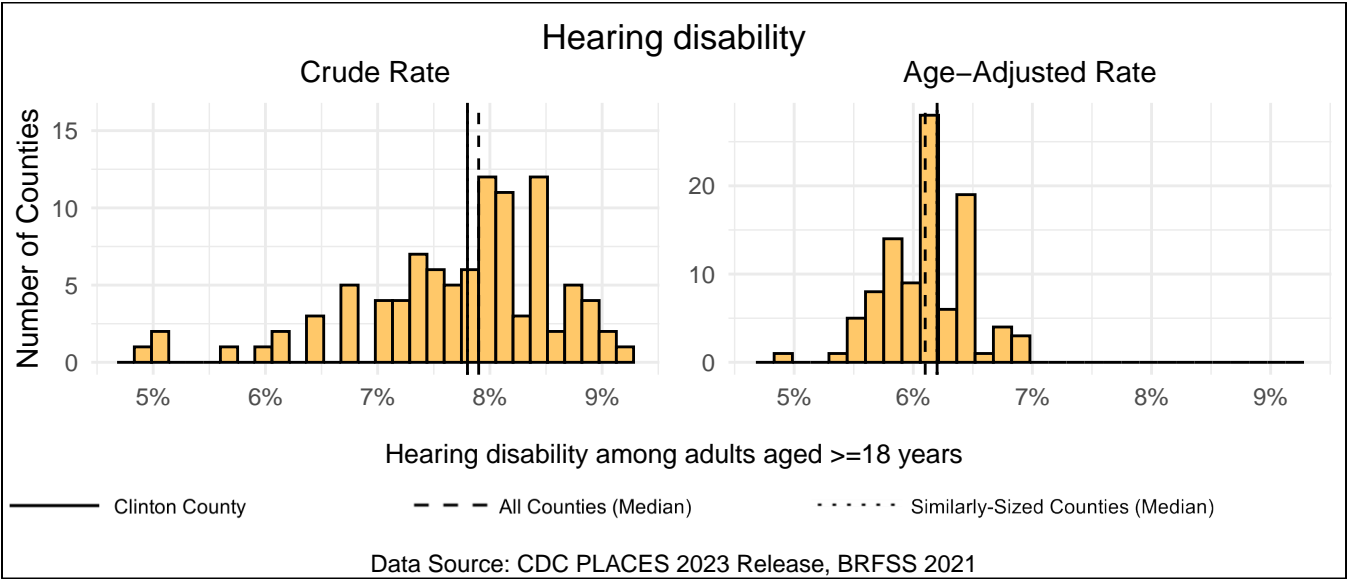
This section includes measures of physical and cognitive disabilities. Respondents were asked to report on six disabilities: hearing, vision, cognition, mobility, self-care, and independent living. The final measure reports the rate of respondents that answered yes to any of the previous six disabilities.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

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

Hearing disability

Clinton County has a crude rate of 7.8% for hearing disability among adults aged ≥ 18 years, which ranks 42nd out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 6.2%, which ranks 53rd out of 99 Iowa counties (6th out of 15 similarly-sized counties).

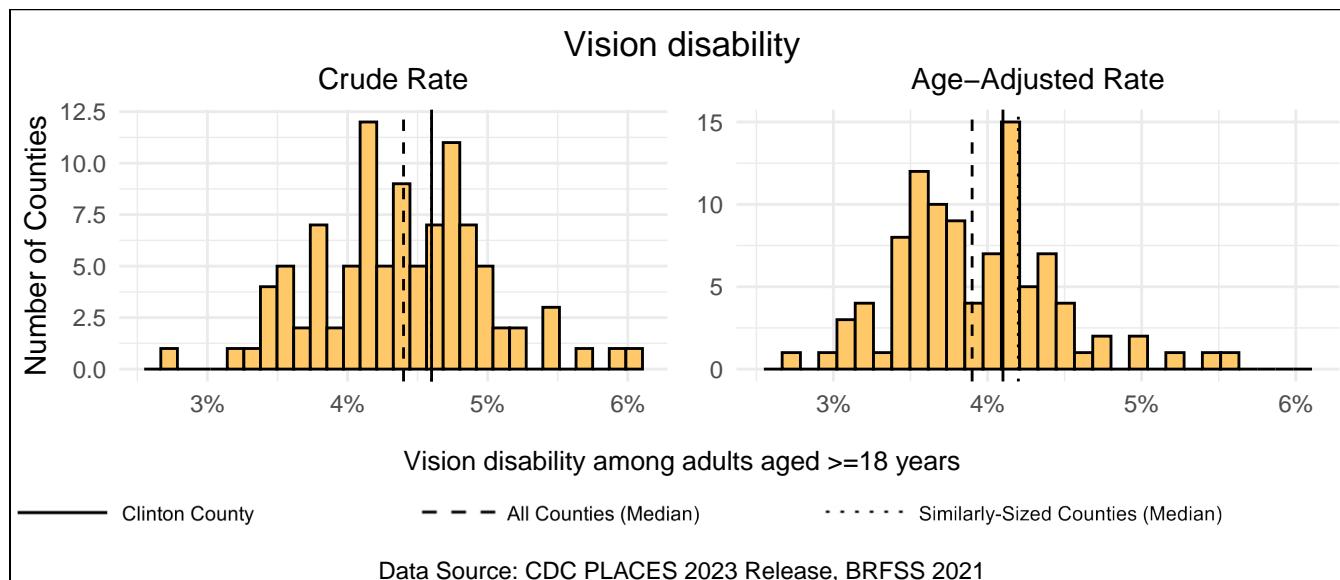
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	7.8%	7.9%	7.8%
Age-Adjusted	6.2%	6.1%	6.2%



Vision disability

Clinton County has a crude rate of 4.6% for vision disability among adults aged ≥ 18 years, which ranks 60th out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 4.1%, which ranks 61st out of 99 Iowa counties (6th out of 15 similarly-sized counties).

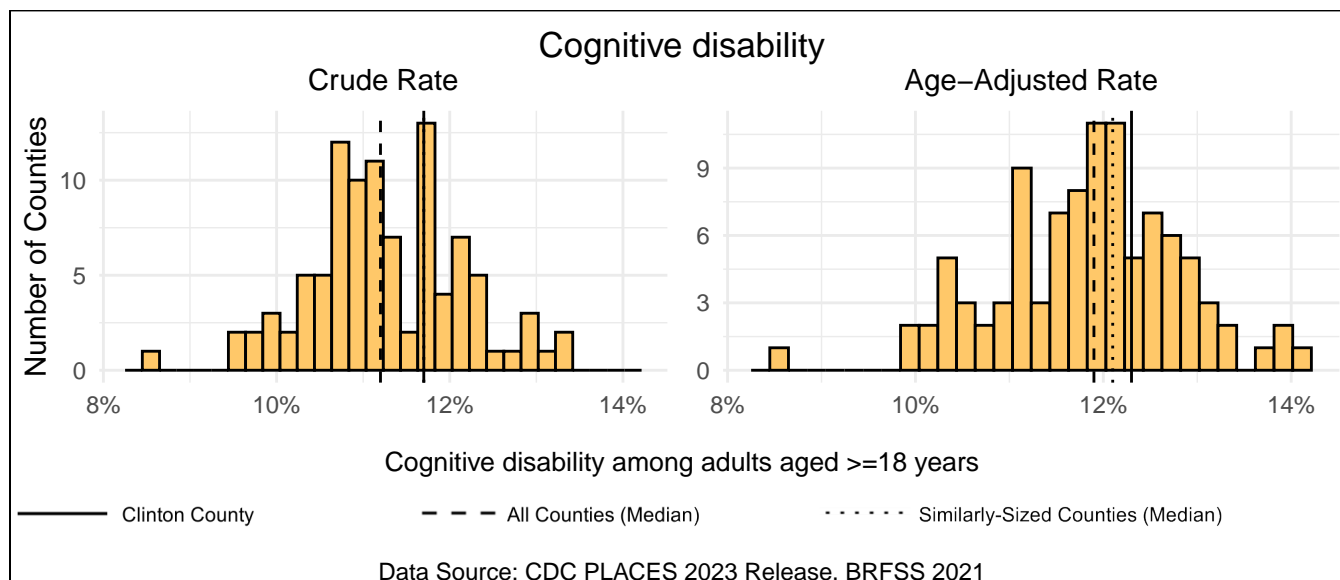
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	4.6%	4.4%	4.6%
Age-Adjusted	4.1%	3.9%	4.2%



Cognitive disability

Clinton County has a crude rate of 11.7% for cognitive disability among adults aged ≥ 18 years, which ranks 63rd out of 99 Iowa counties (7th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 12.3%, which ranks 68th out of 99 Iowa counties (9th out of 15 similarly-sized counties).

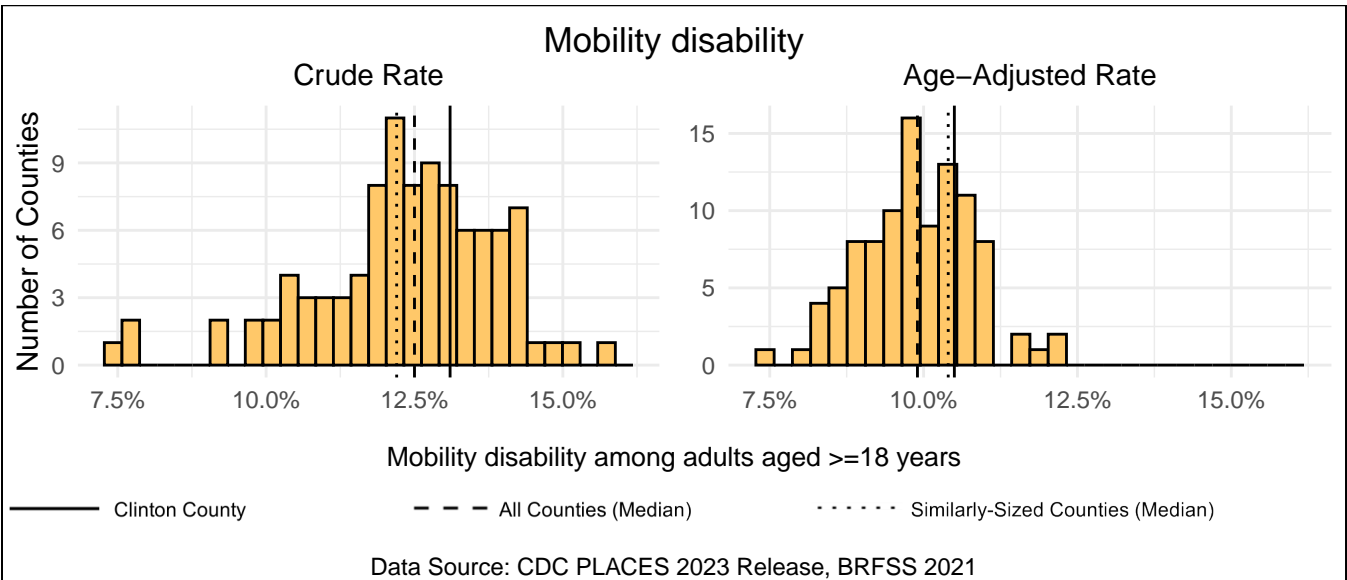
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	11.7%	11.2%	11.7%
Age-Adjusted	12.3%	11.9%	12.1%



Mobility disability

Clinton County has a crude rate of 13.1% for mobility disability among adults aged >=18 years, which ranks 64th out of 99 Iowa counties (13th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 10.5%, which ranks 70th out of 99 Iowa counties (10th out of 15 similarly-sized counties).

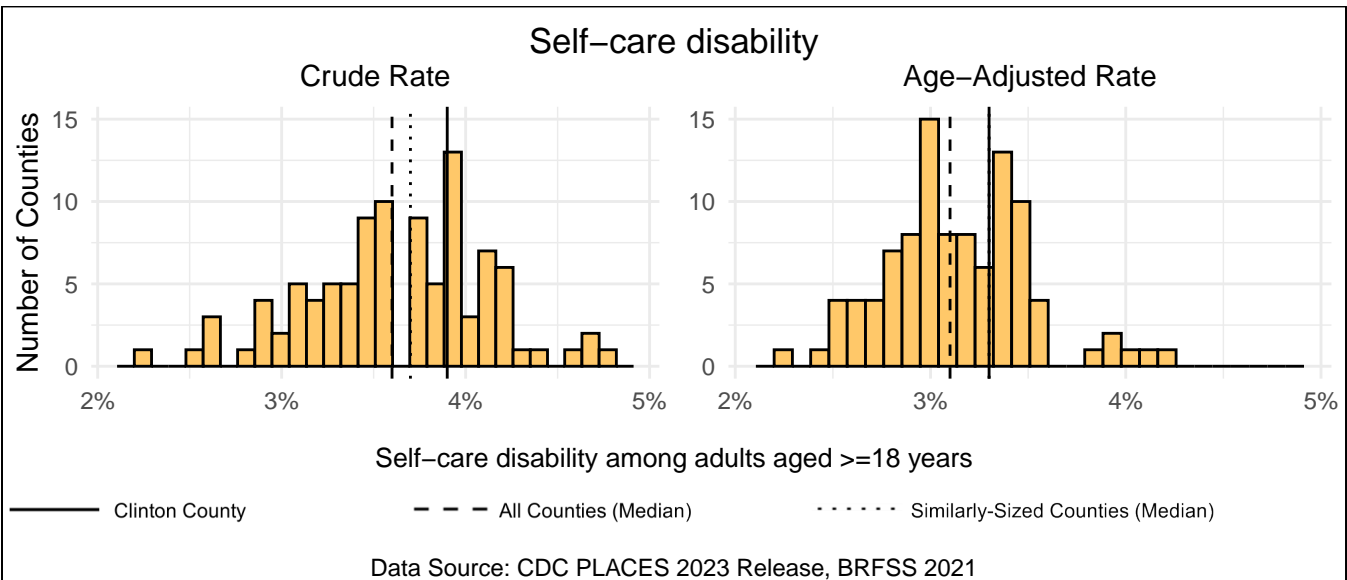
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	13.1%	12.5%	12.2%
Age-Adjusted	10.5%	9.9%	10.4%



Self-care disability

Clinton County has a crude rate of 3.9% for self-care disability among adults aged >=18 years, which ranks 65th out of 99 Iowa counties (10th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 3.3%, which ranks 61st out of 99 Iowa counties (6th out of 15 similarly-sized counties).

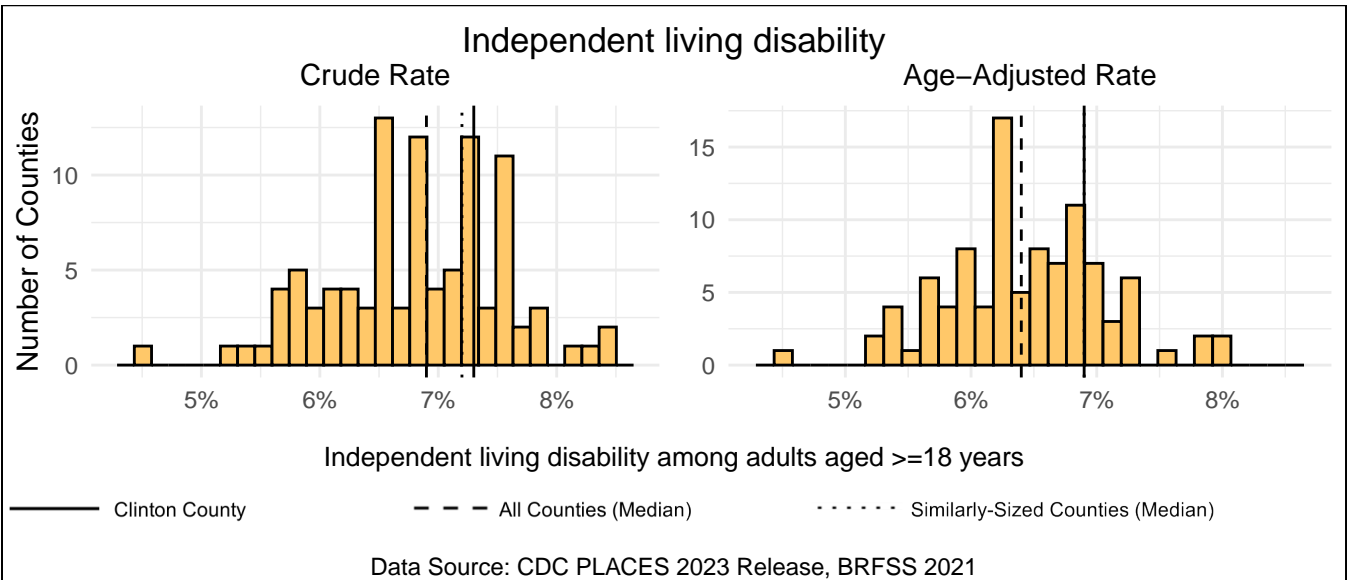
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	3.9%	3.6%	3.7%
Age-Adjusted	3.3%	3.1%	3.3%



Independent living disability

Clinton County has a crude rate of 7.3% for independent living disability among adults aged ≥ 18 years, which ranks 72nd out of 99 Iowa counties (12th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 6.9%, which ranks 69th out of 99 Iowa counties (8th out of 15 similarly-sized counties).

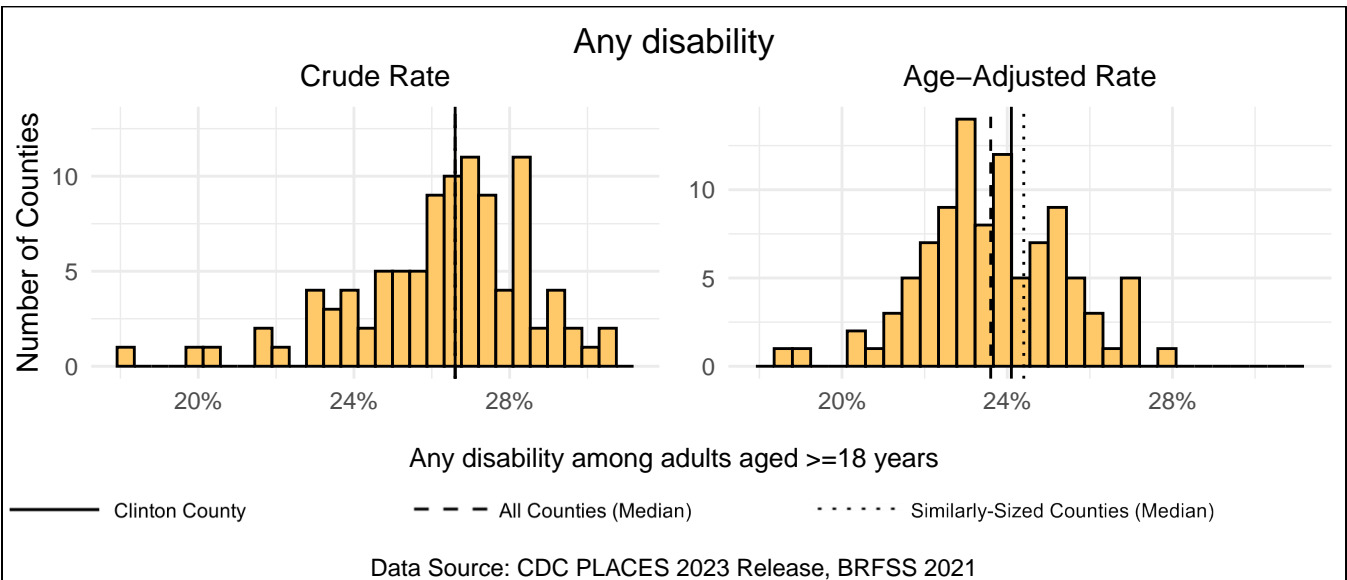
Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	7.3%	6.9%	7.2%
Age-Adjusted	6.9%	6.4%	6.9%



Any disability

Clinton County has a crude rate of 26.6% for any disability among adults aged ≥ 18 years, which ranks 50th out of 99 Iowa counties (8th out of 15 similarly-sized counties). The age-adjusted rate for Clinton County is 24.1%, which ranks 61st out of 99 Iowa counties (7th out of 15 similarly-sized counties).

Measure Type	Clinton County	All Counties	Similarly-Sized Counties
Crude	26.6%	26.6%	26.6%
Age-Adjusted	24.1%	23.6%	24.4%



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: Clinton 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	67	14.5% (12.5% - 16.8%)	67	15.9% (13.6% - 18.3%)
Health Status	Physical Health	79	11.8% (10.0% - 13.7%)	83	10.6% (9.0% - 12.3%)
Health Status	General Health	70	15.9% (13.1% - 18.7%)	69	14.2% (11.8% - 16.7%)
Health Risk Behaviors	Current Smoking	77	17.8% (13.9% - 21.6%)	71	18.6% (14.6% - 22.7%)
Health Risk Behaviors	Physical Inactivity	60	27.4% (22.5% - 32.7%)	61	25.7% (21.0% - 30.5%)
Health Risk Behaviors	Sleep <7 hours	82	31.4% (29.8% - 32.8%)	77	32.5% (30.8% - 34.1%)
Health Risk Behaviors	Binge Drinking	76	19.4% (16.1% - 23.0%)	78	22.2% (18.5% - 26.3%)
Health Outcomes	Current Asthma	87	9.7% (8.5% - 11.0%)	89	9.9% (8.7% - 11.2%)
Health Outcomes	Obesity	93	41.3% (34.6% - 48.1%)	92	41.3% (34.4% - 48.1%)
Health Outcomes	Arthritis	63	29.4% (25.5% - 33.5%)	81	23.9% (20.6% - 27.5%)
Health Outcomes	Coronary Heart Disease	56	7.2% (6.2% - 8.3%)	70	5.4% (4.7% - 6.2%)
Health Outcomes	High Blood Pressure	57	34.1% (30.0% - 38.2%)	64	28.4% (24.8% - 32.1%)
Health Outcomes	Cancer (except skin)	37	8.3% (7.4% - 9.2%)	26	6.4% (5.7% - 7.1%)
Health Outcomes	All Teeth Lost	83	11.5% (7.5% - 16.2%)	81	12.4% (8.2% - 17.3%)
Health Outcomes	Depression	77	18.3% (15.1% - 21.6%)	76	19.3% (16.0% - 22.9%)
Health Outcomes	Stroke	54	3.6% (3.1% - 4.1%)	64	2.8% (2.4% - 3.1%)
Health Outcomes	Diabetes	71	11.7% (10.0% - 13.7%)	78	9.3% (7.9% - 10.8%)
Health Outcomes	High Cholesterol	28	36.9% (32.5% - 41.3%)	27	29.5% (25.3% - 33.7%)
Health Outcomes	COPD	72	8.4% (6.9% - 10.0%)	81	6.9% (5.7% - 8.1%)
Health Outcomes	Chronic Kidney Disease	44	3.4% (3.1% - 3.8%)	49	2.7% (2.5% - 3.0%)
Prevention	Core preventive services for older men	88	39.3% (31.7% - 47.7%)	88	39.9% (32.4% - 48.2%)
Prevention	Taking BP Medication	45	81.0% (77.8% - 83.9%)	16	60.0% (54.9% - 65.0%)
Prevention	Colorectal Cancer Screening	84	71.8% (68.9% - 74.7%)	76	69.3% (66.1% - 72.7%)
Prevention	Dental Visit	85	62.6% (58.9% - 66.1%)	85	61.9% (57.9% - 65.4%)
Prevention	Cholesterol Screening	41	82.7% (79.4% - 85.6%)	41	79.1% (75.3% - 82.5%)

Category	Health Domain	Crude Rate Rank	Crude Rate (95% CI)	Age-Adj. Rate Rank	Age-Adj. Rate (95% CI)
Prevention	Core preventive services for older women	33	40.1% (33.0% - 47.7%)	35	40.7% (33.4% - 48.4%)
Prevention	Cervical Cancer Screening	35	82.7% (80.2% - 85.2%)	35	83.3% (81.0% - 85.7%)
Prevention	Mammography	13	76.2% (72.0% - 79.9%)	12	76.1% (71.5% - 79.9%)
Prevention	Annual Checkup	16	76.8% (72.2% - 81.0%)	11	73.9% (68.9% - 78.5%)
Prevention	Health Insurance	51	7.9% (6.1% - 10.0%)	52	8.4% (6.5% - 10.6%)
Disability	Hearing Disability	42	7.8% (6.9% - 8.9%)	53	6.2% (5.5% - 7.0%)
Disability	Independent Living Disability	72	7.3% (6.1% - 8.5%)	69	6.9% (5.8% - 8.1%)
Disability	Self-care Disability	65	3.9% (3.2% - 4.5%)	61	3.3% (2.8% - 3.9%)
Disability	Vision Disability	60	4.6% (3.9% - 5.4%)	61	4.1% (3.5% - 4.8%)
Disability	Any Disability	50	26.6% (22.7% - 30.9%)	61	24.1% (20.4% - 28.1%)
Disability	Mobility Disability	64	13.1% (10.9% - 15.4%)	70	10.5% (8.7% - 12.3%)
Disability	Cognitive Disability	63	11.7% (9.7% - 13.7%)	68	12.3% (10.2% - 14.6%)

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

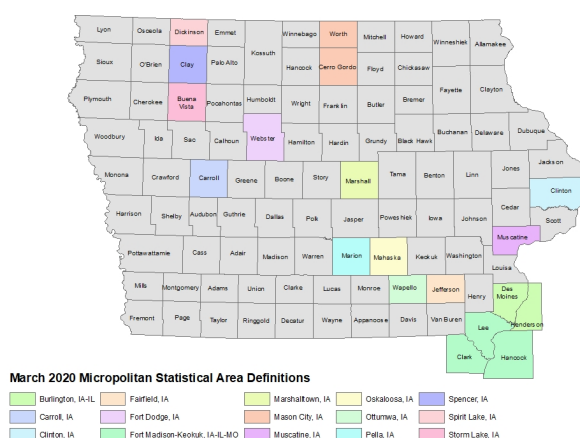
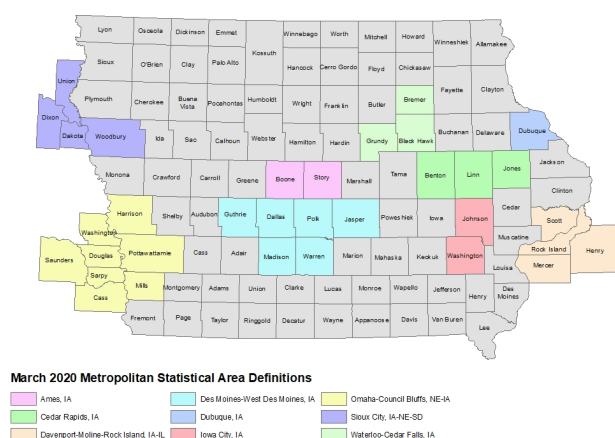
Appendix 3: Micropolitan Counties

Clinton County falls into the group of micropolitan counties. In this data, 15 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 Group	Population
Clinton County	Micropolitan	46,463
Cerro Gordo County	Micropolitan	42,706
Muscatine County	Micropolitan	42,688
Marshall County	Micropolitan	39,853
Des Moines County	Micropolitan	38,491
Webster County	Micropolitan	37,147
Wapello County	Micropolitan	35,256
Marion County	Micropolitan	33,380
Lee County	Micropolitan	33,215
Mahaska County	Micropolitan	21,984
Buena Vista County	Micropolitan	20,771
Carroll County	Micropolitan	20,692
Dickinson County	Micropolitan	17,851
Clay County	Micropolitan	16,440
Jefferson County	Micropolitan	15,647

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

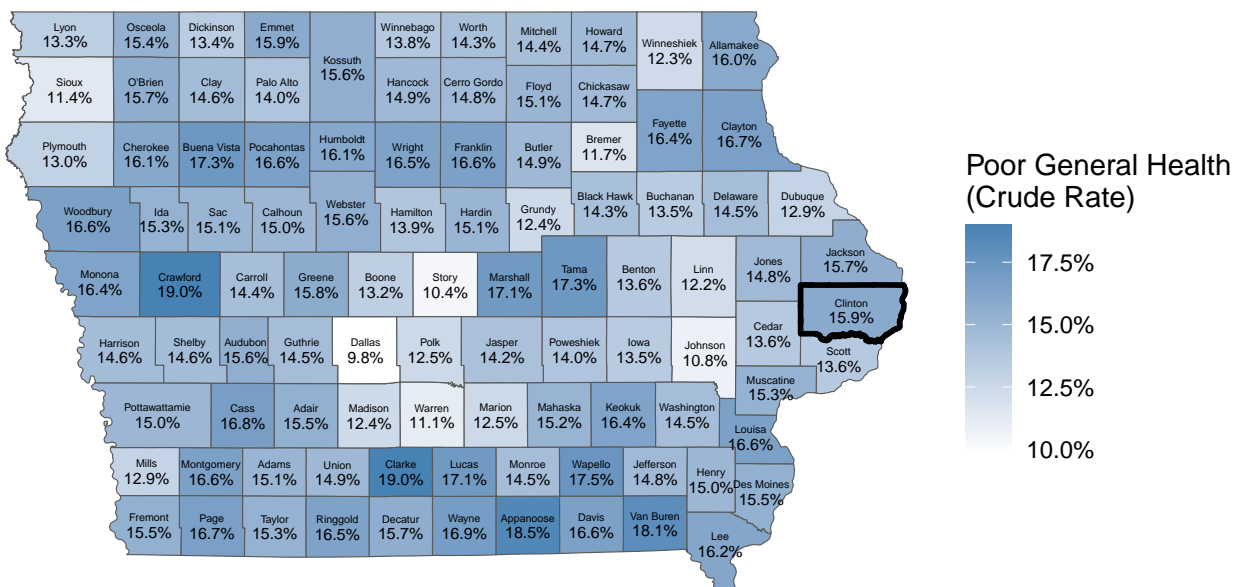
<https://www.icip.iastate.edu/maps/refmaps/cofips>



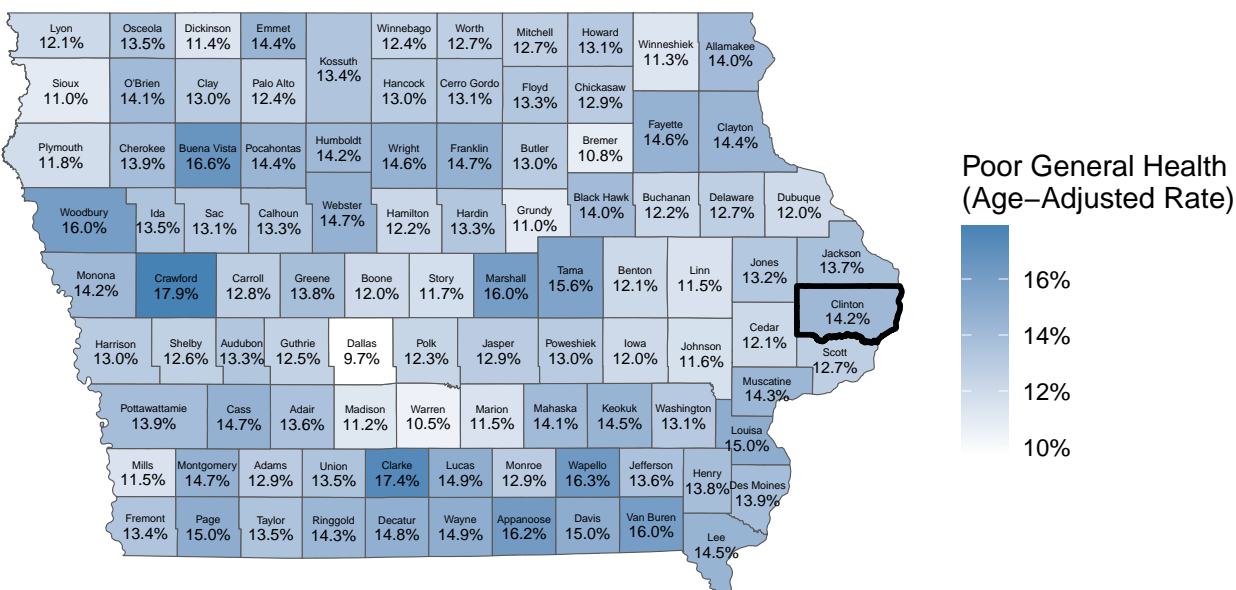
Appendix 4: County Maps

Poor General Health

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



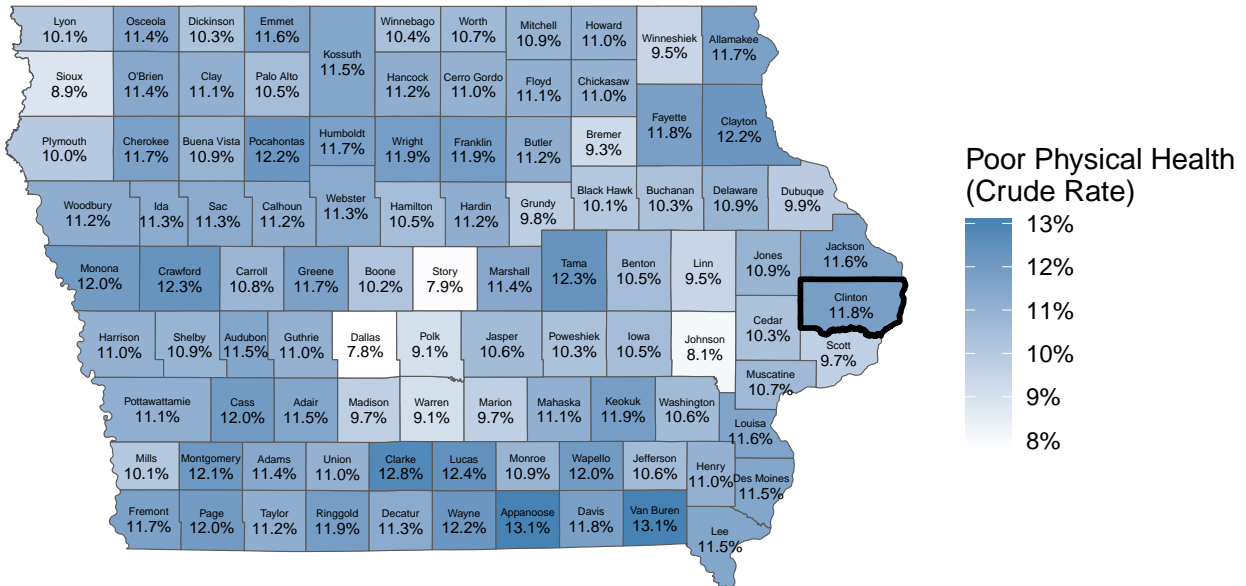
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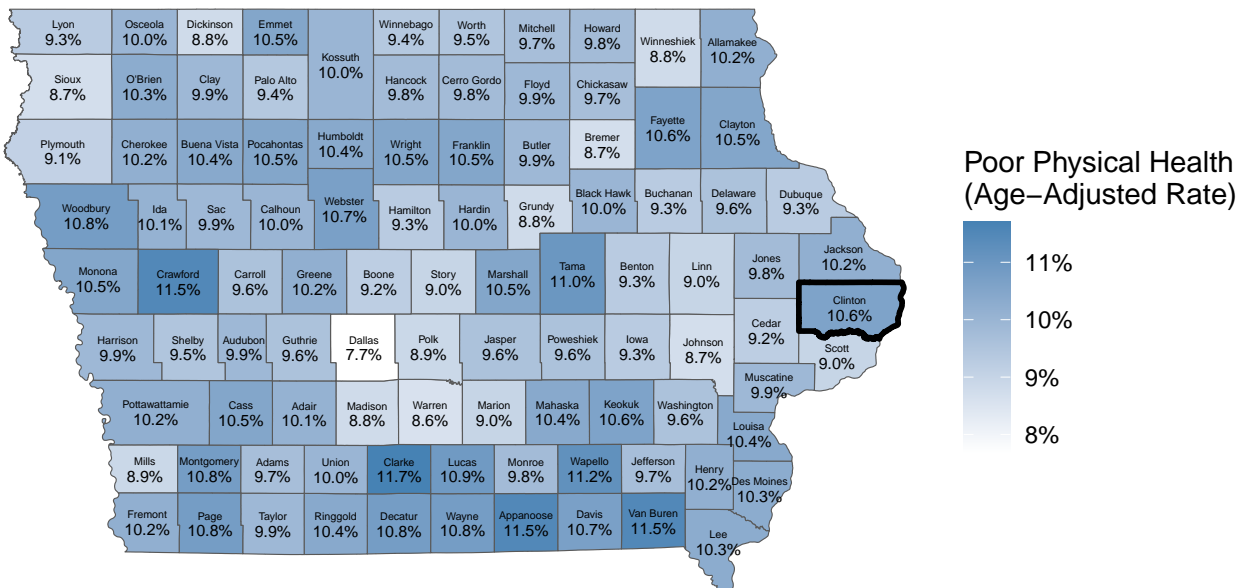
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Poor Physical Health

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



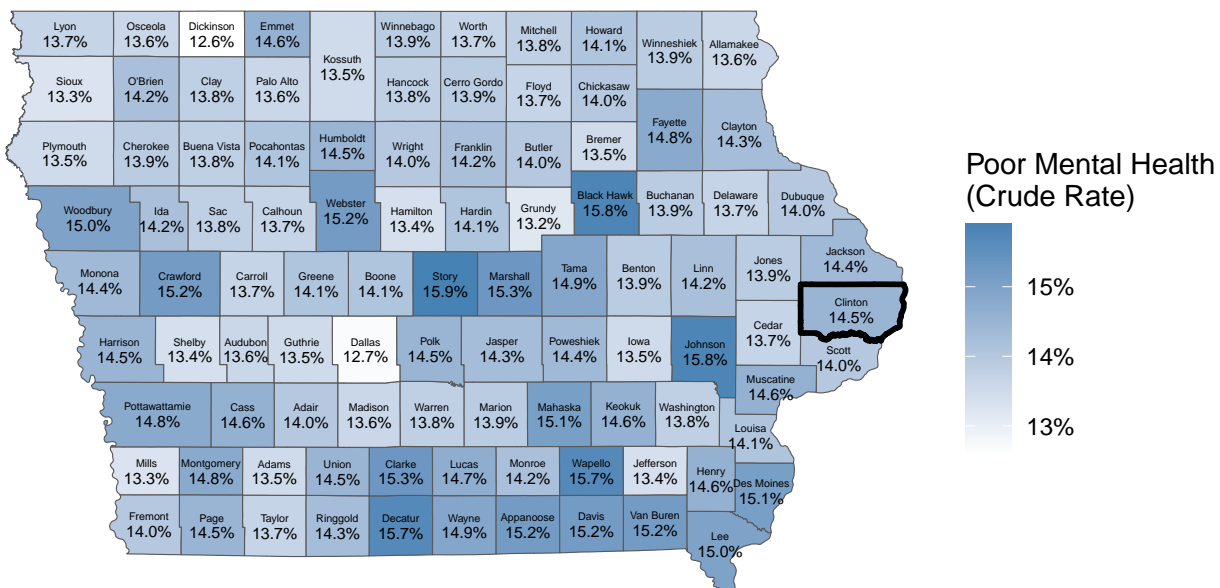
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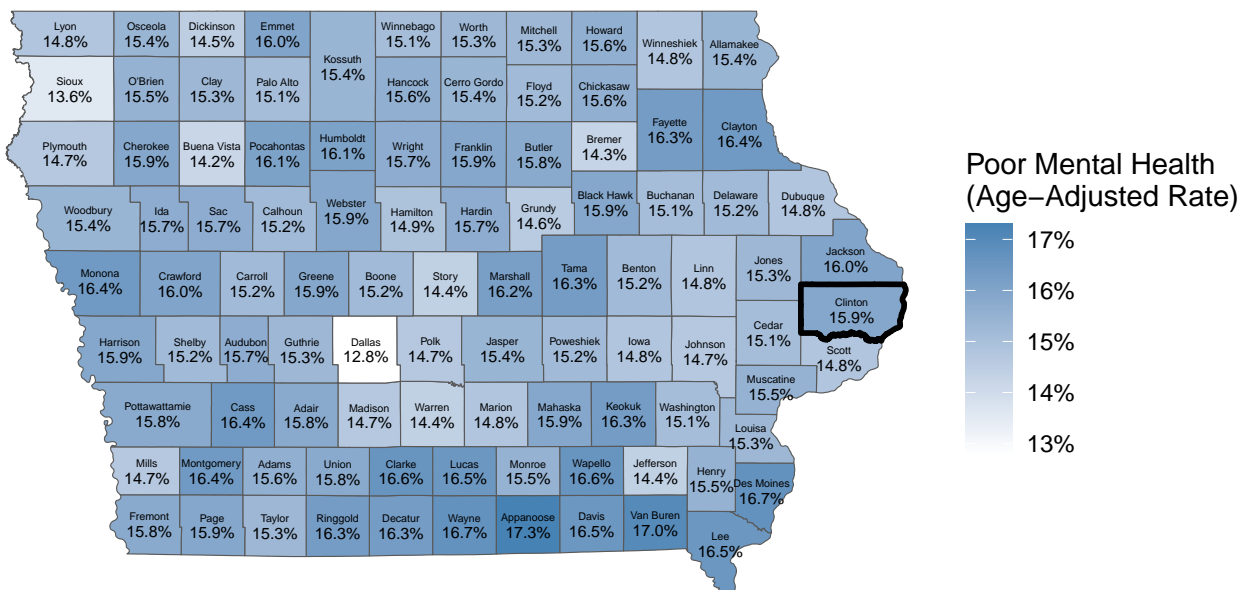
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Poor Mental Health

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



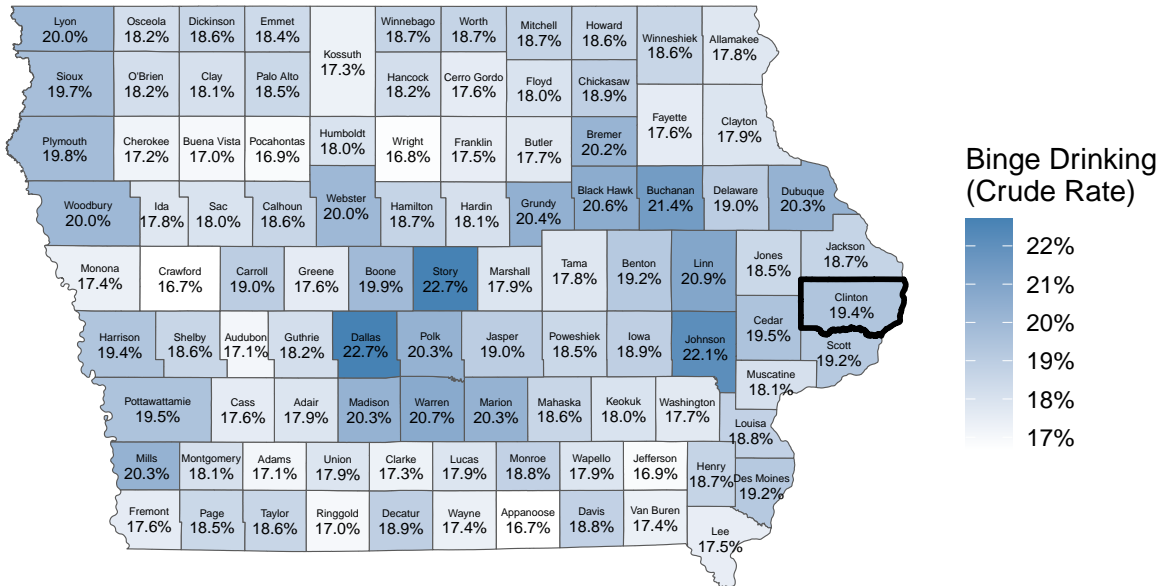
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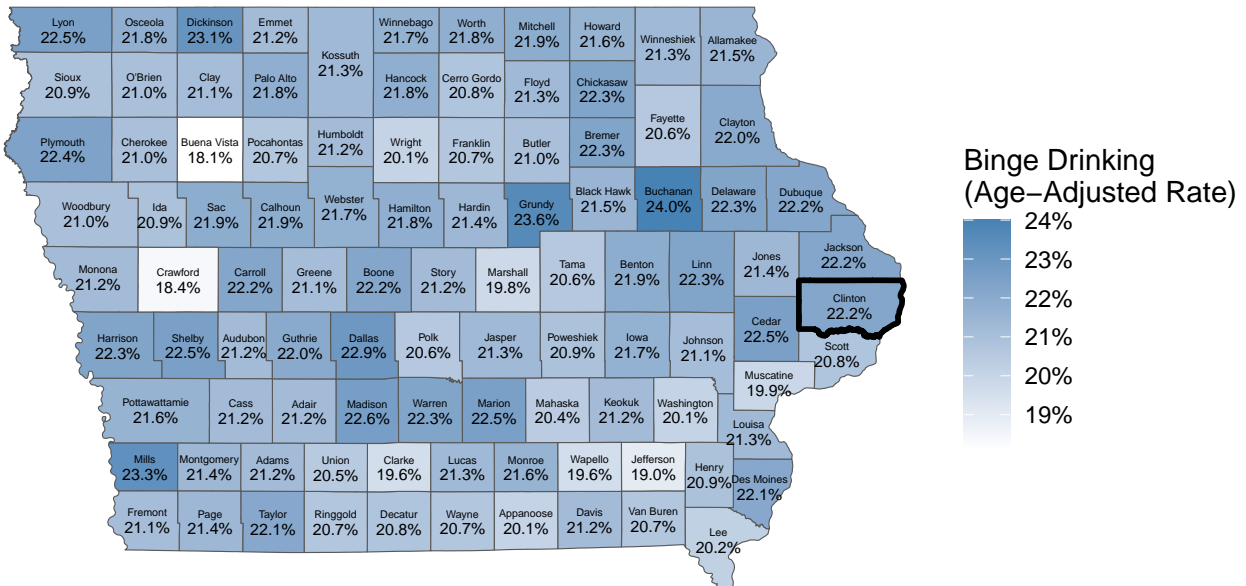
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Binge Drinking

Binge drinking among adults aged ≥ 18 years



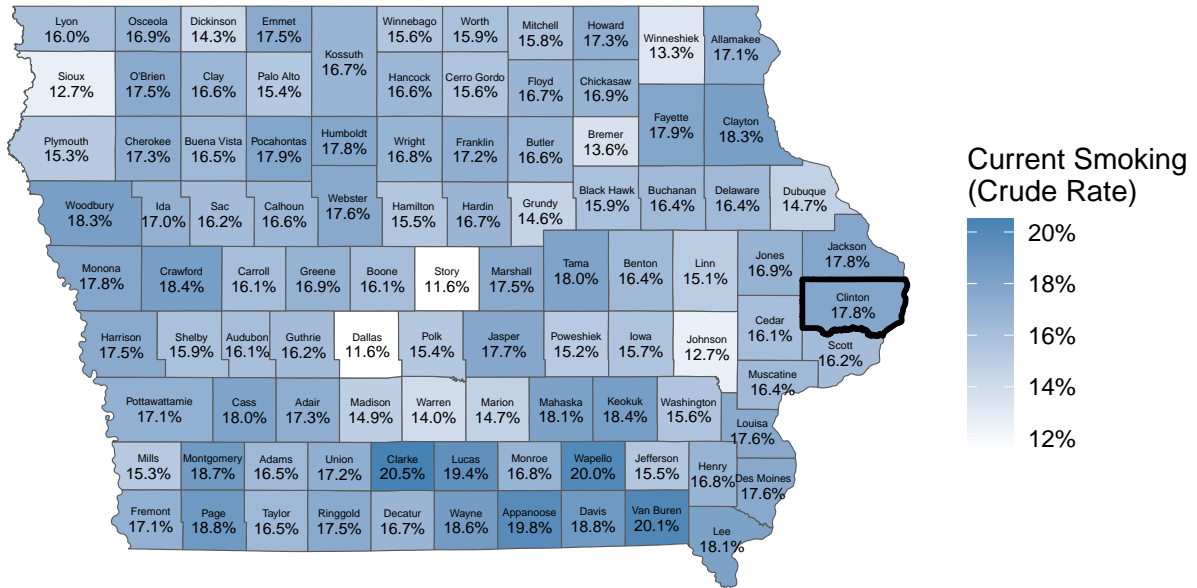
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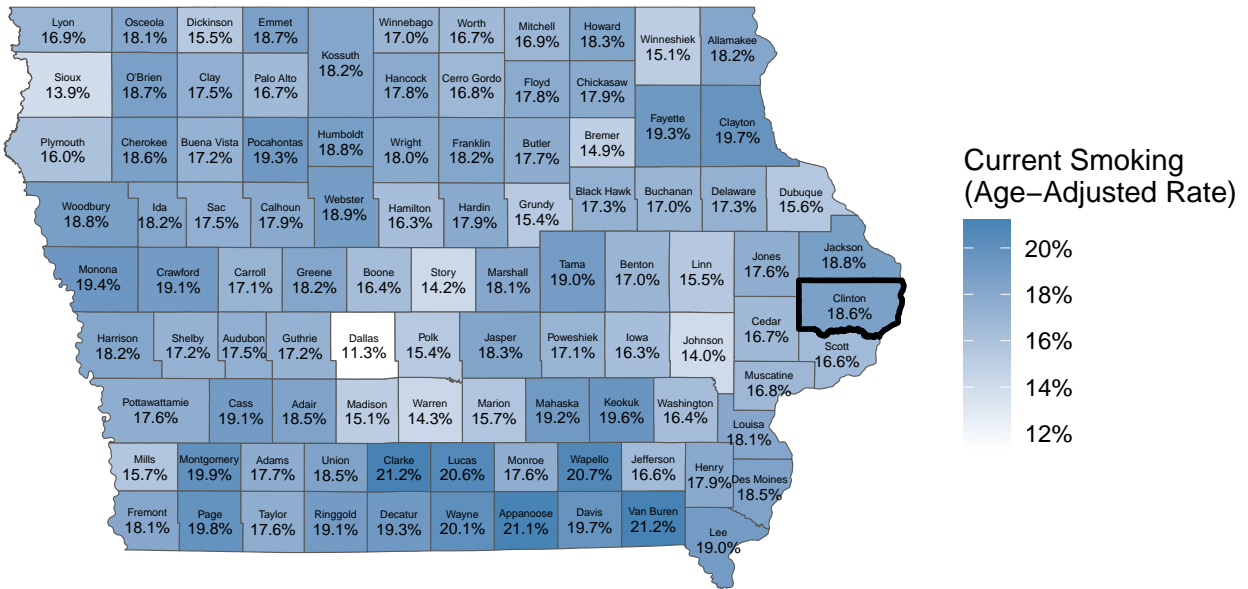
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Current Smoking

Current smoking among adults aged ≥ 18 years



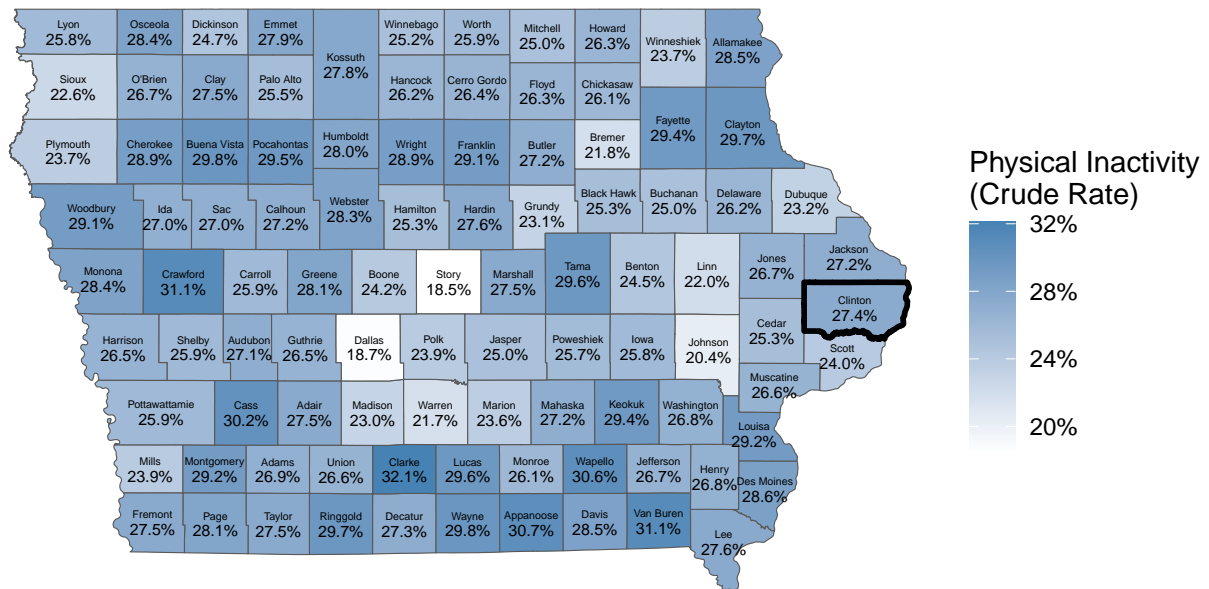
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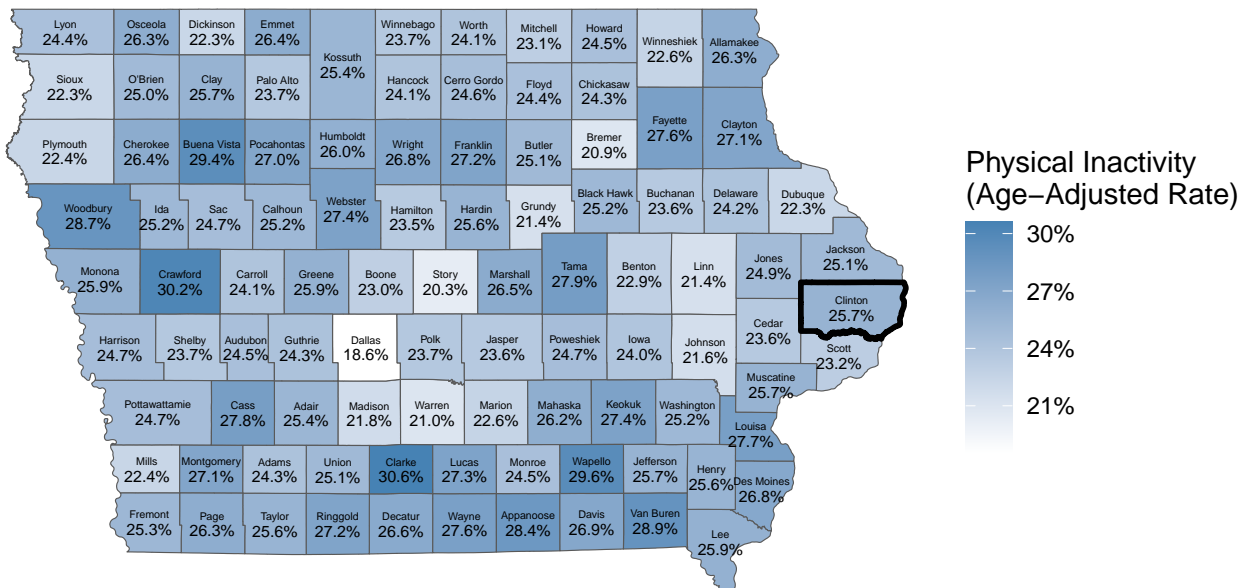
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Physical Inactivity

No leisure-time physical activity among adults aged ≥ 18 years



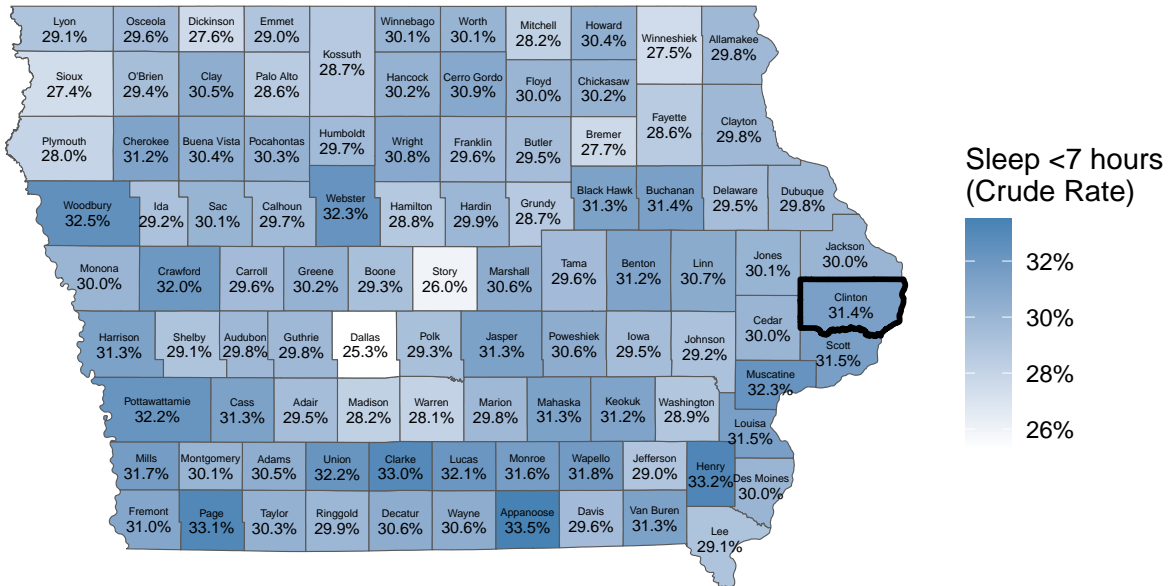
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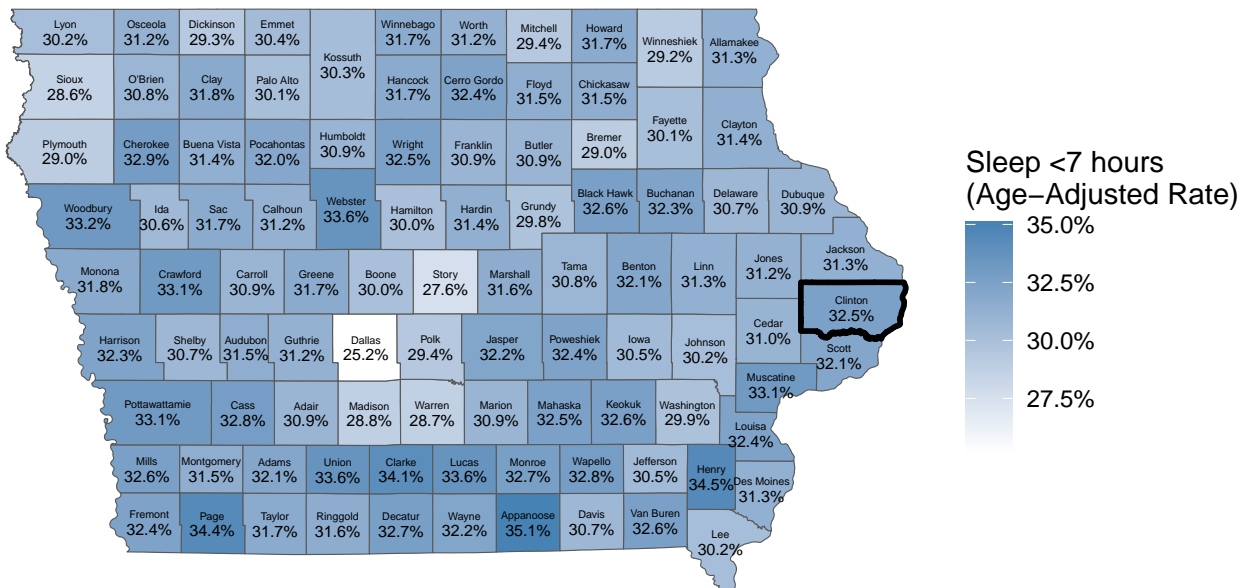
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Sleep <7 hours

Sleeping less than 7 hours among adults aged ≥ 18 years



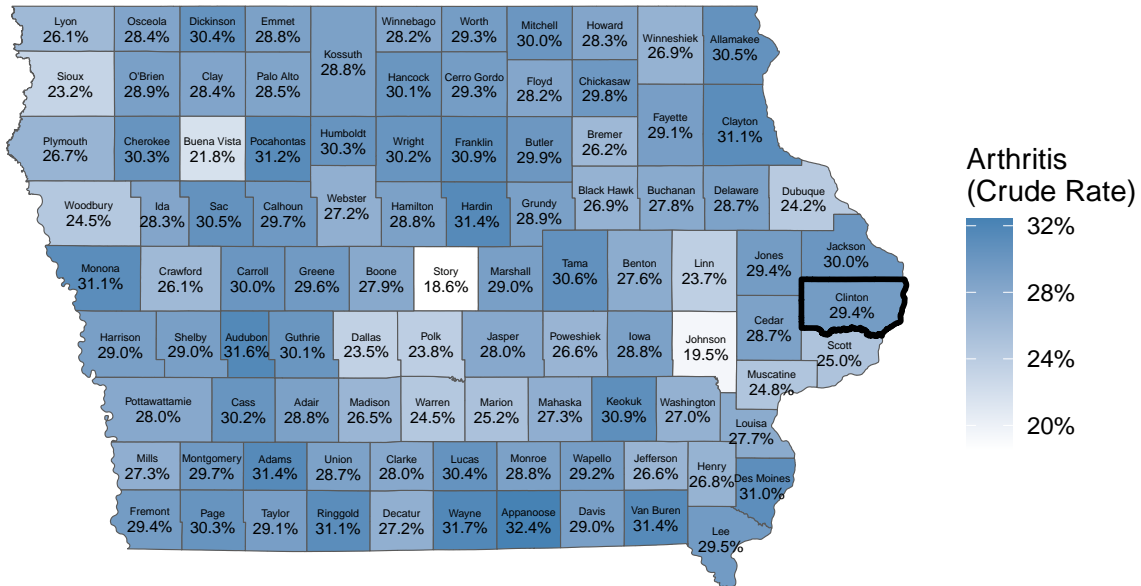
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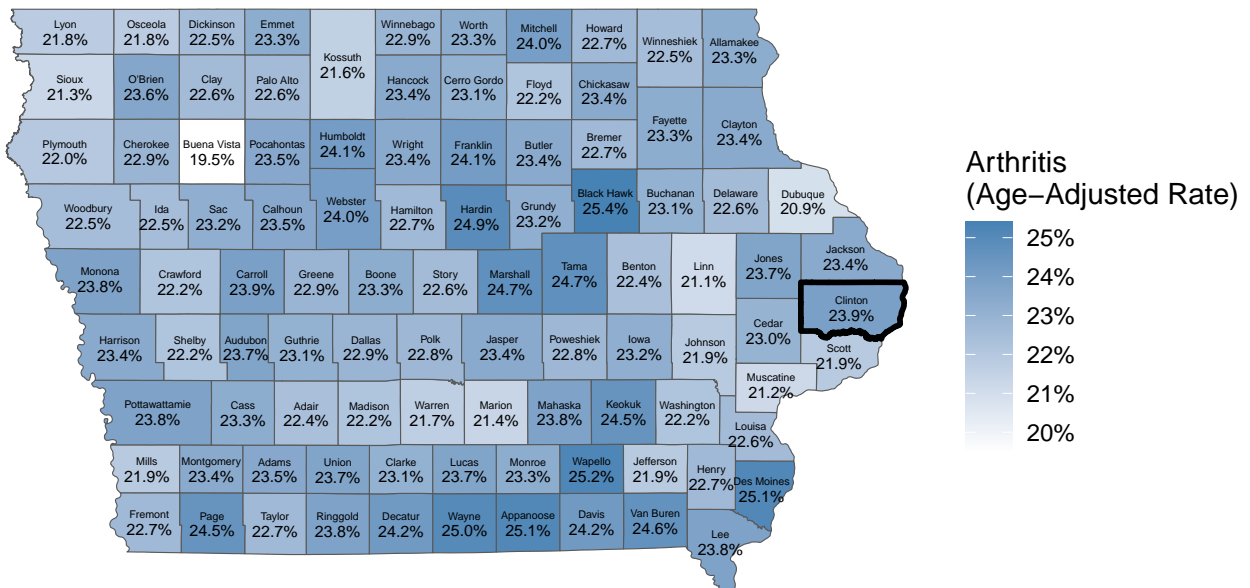
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Arthritis

Arthritis among adults aged >=18 years



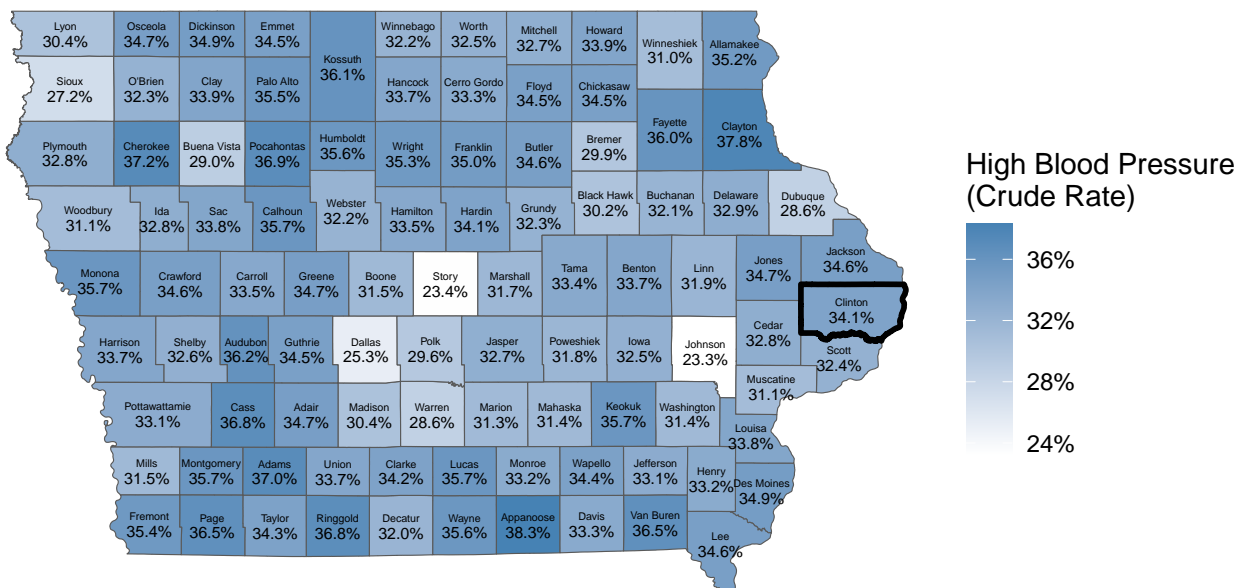
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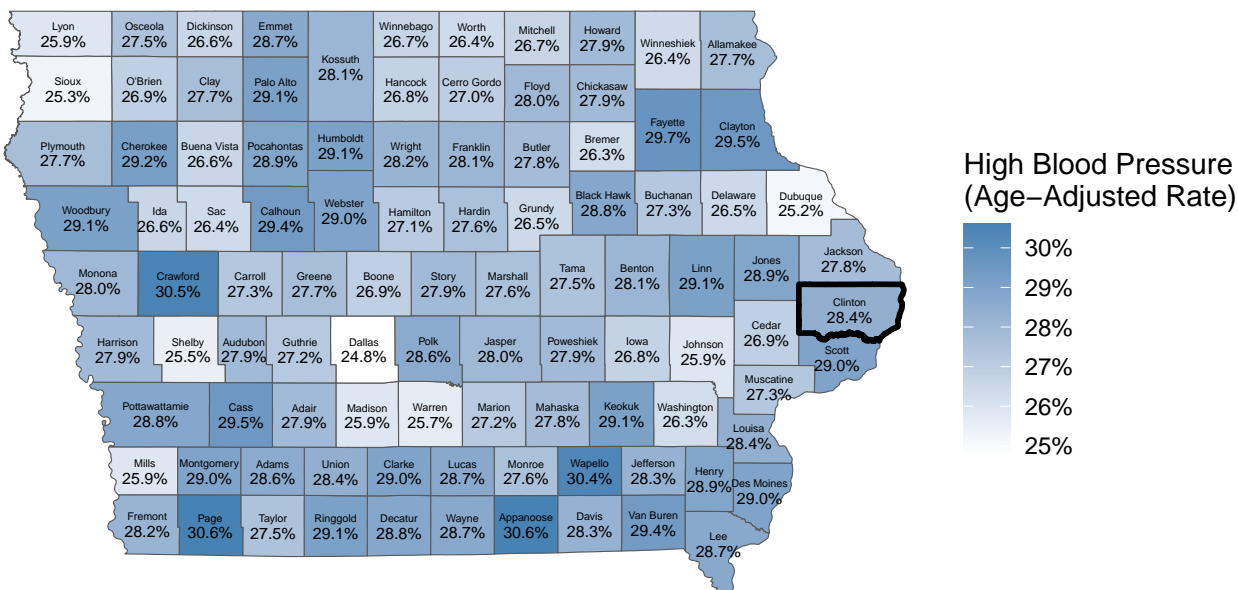
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High Blood Pressure

High blood pressure among adults aged >=18 years



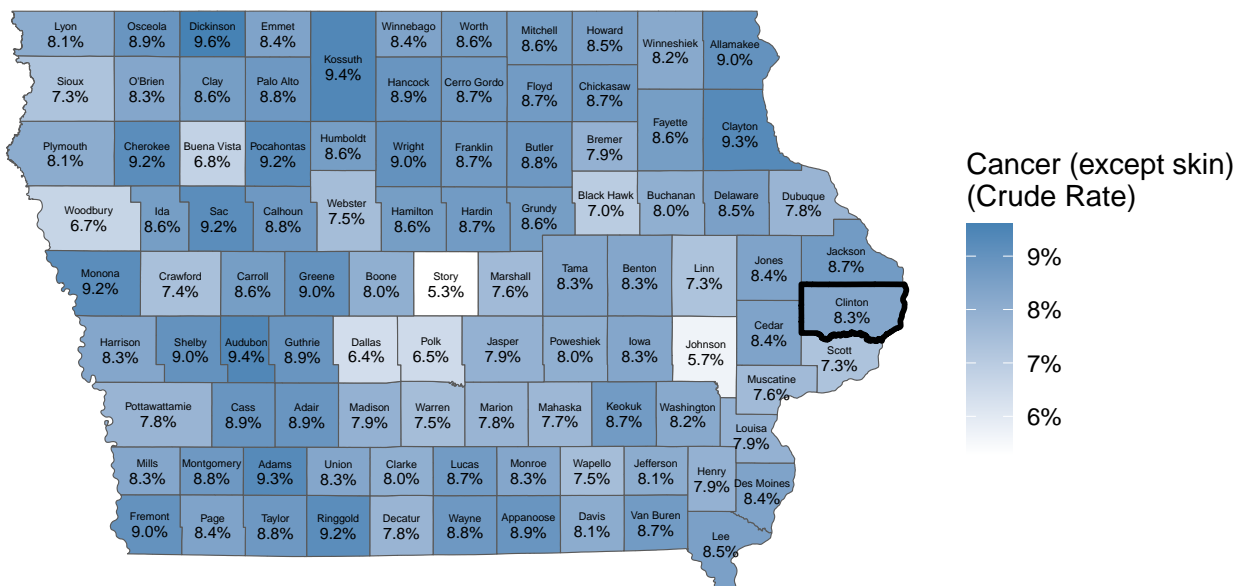
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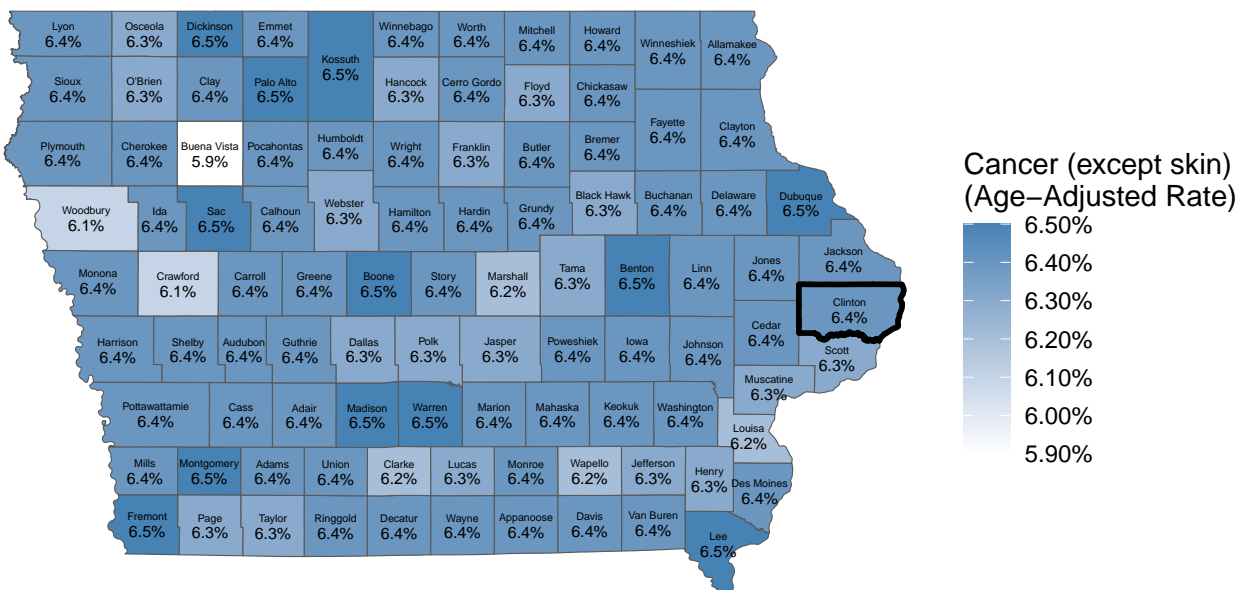
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Cancer (except skin)

Cancer (excluding skin cancer) among adults aged ≥ 18 years



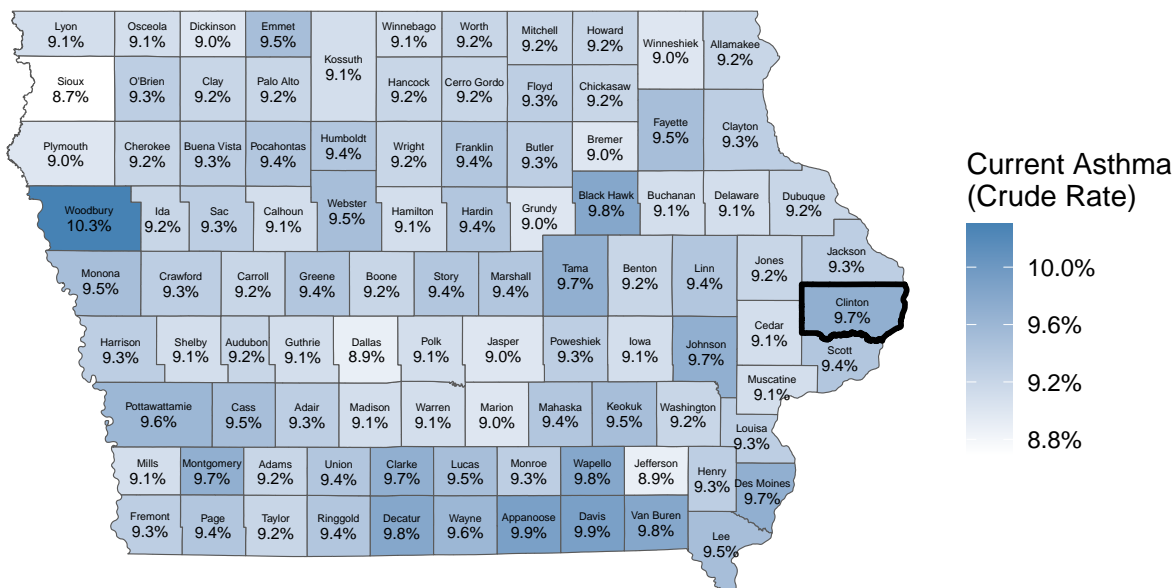
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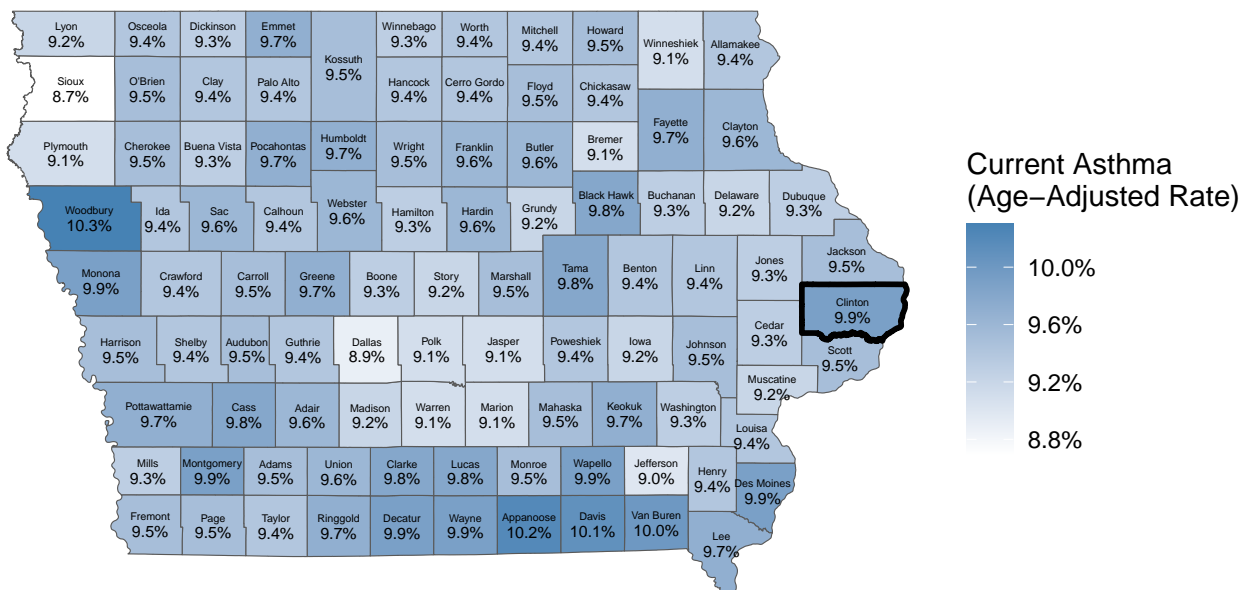
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Current Asthma

Current asthma among adults aged ≥ 18 years



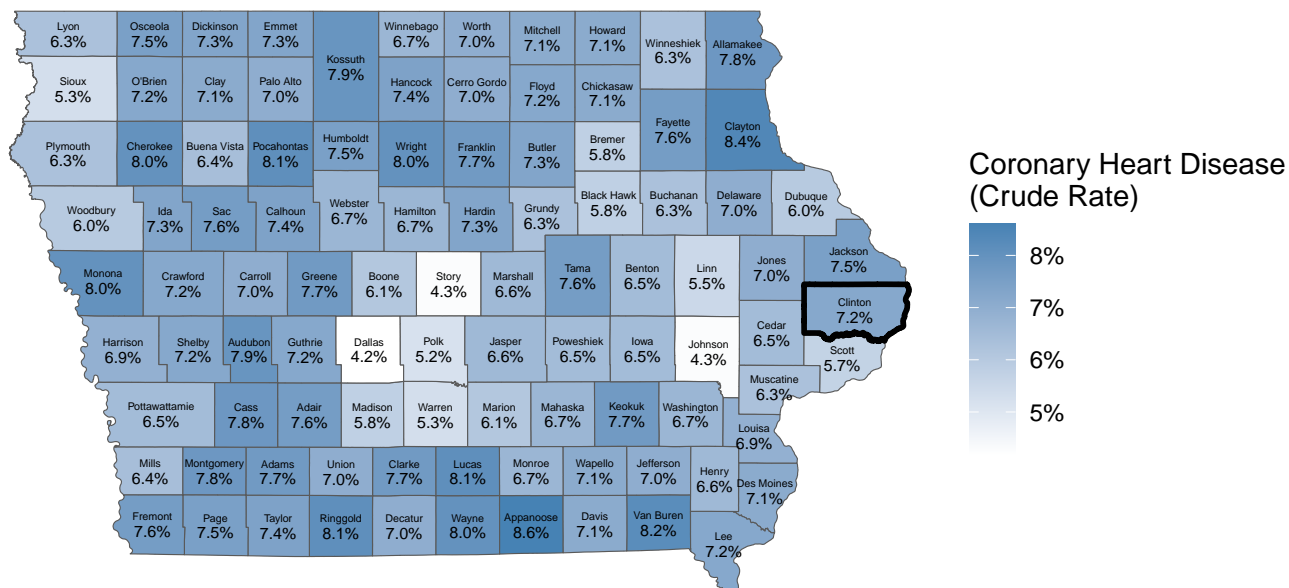
Data Source: CDC PLACES 2023 Release, BRFSS 2021



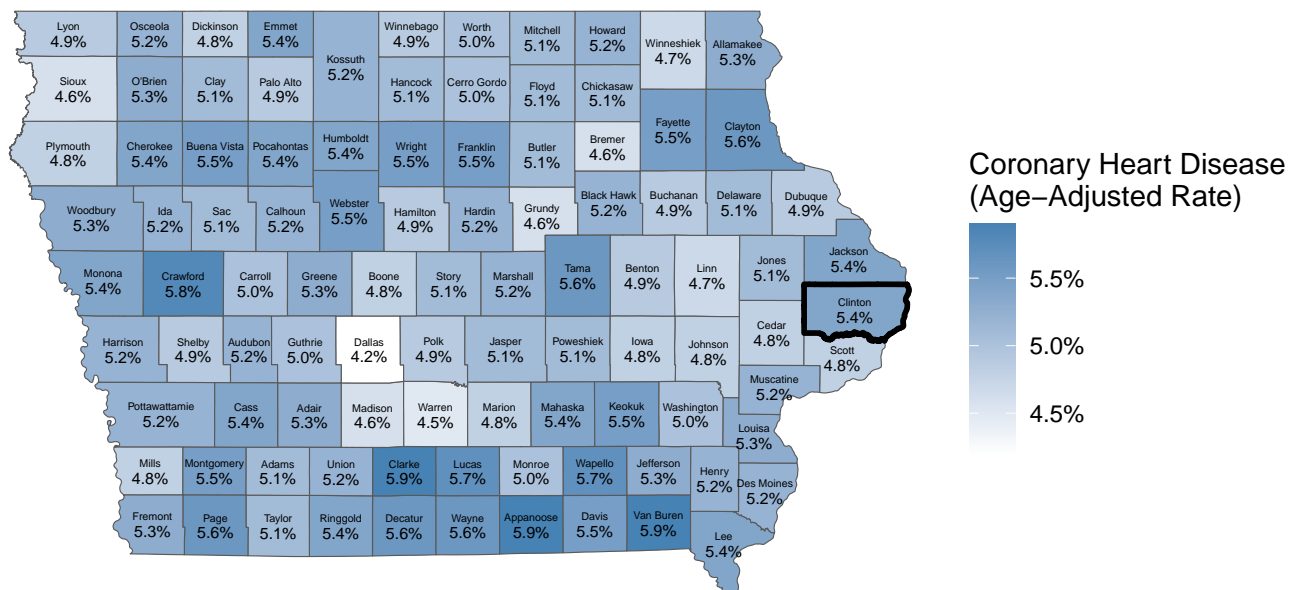
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Coronary Heart Disease

Coronary heart disease among adults aged ≥ 18 years



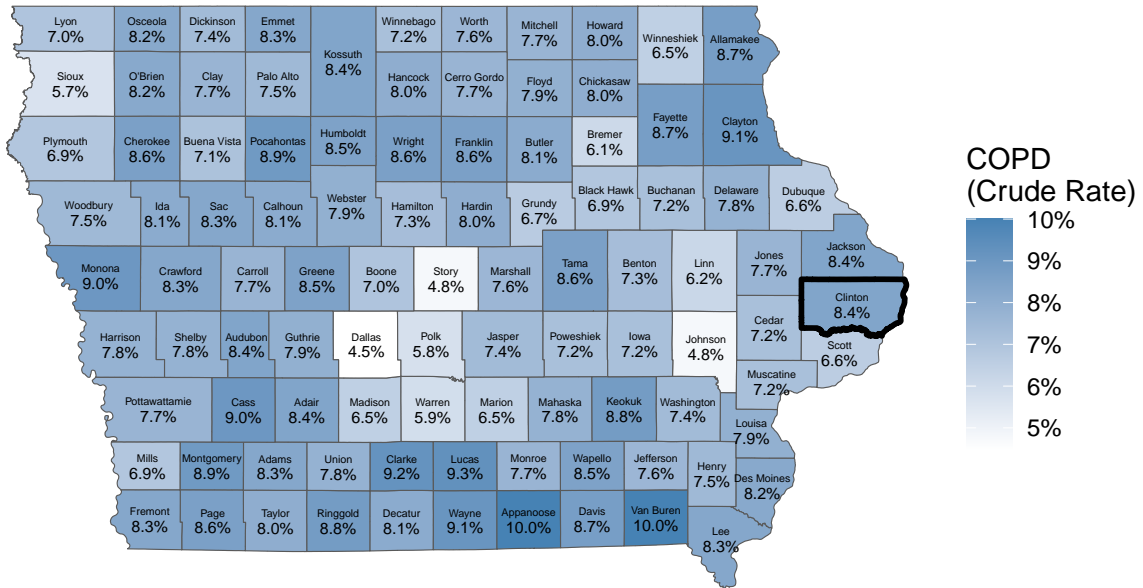
Data Source: CDC PLACES 2023 Release, BRFSS 2021



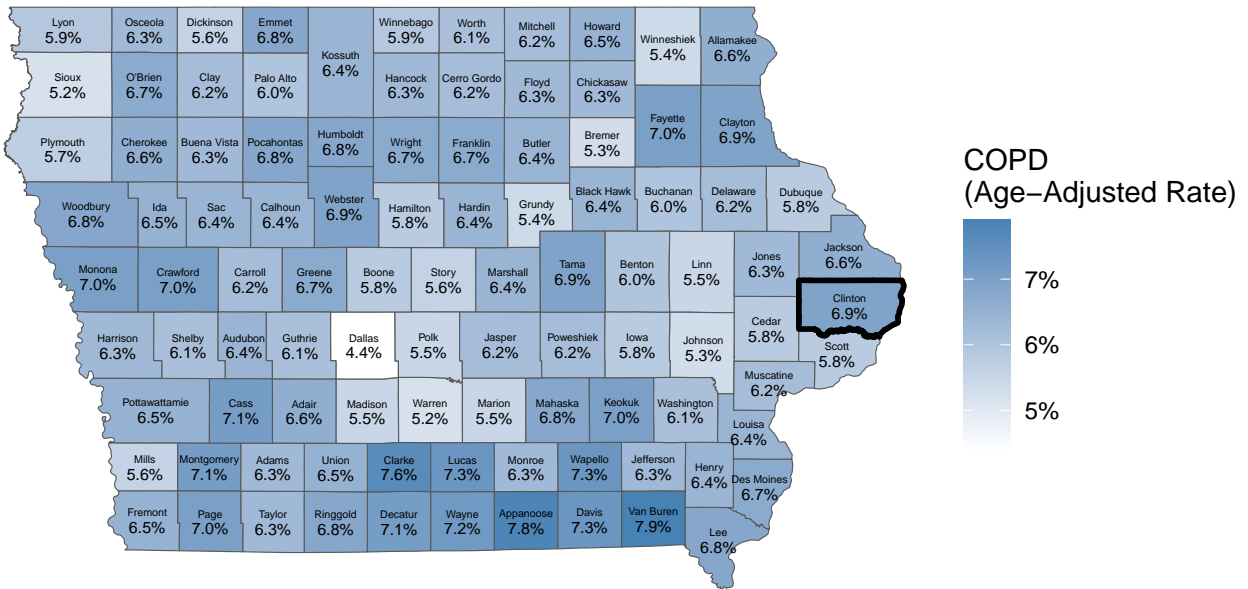
Data Source: CDC PLACES 2023 Release, BRFSS 2021

COPD

Chronic obstructive pulmonary disease among adults aged >=18 years



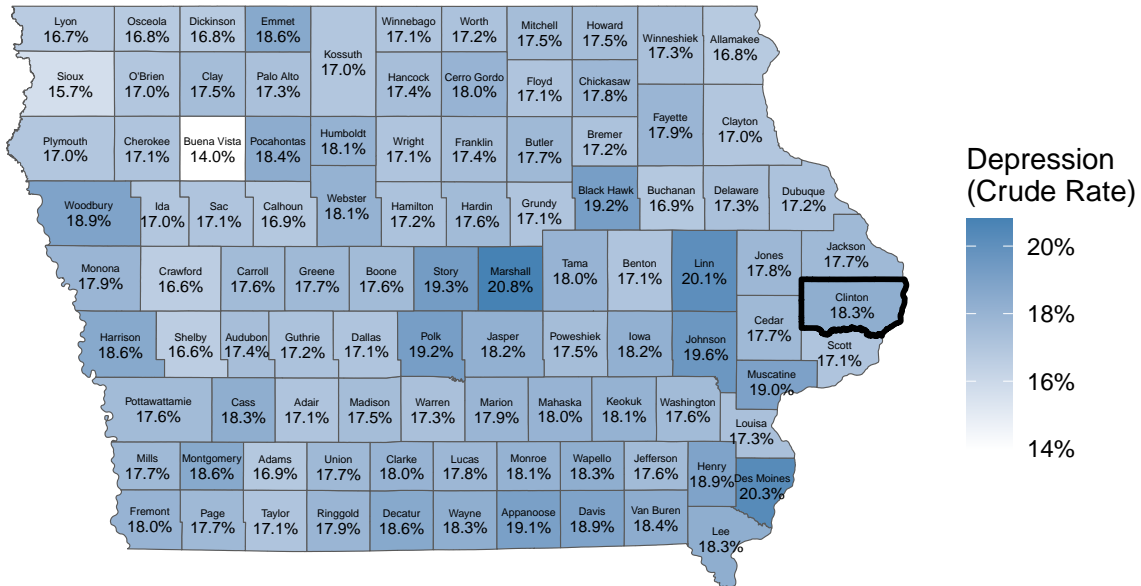
Data Source: CDC PLACES 2023 Release, BRFSS 2021



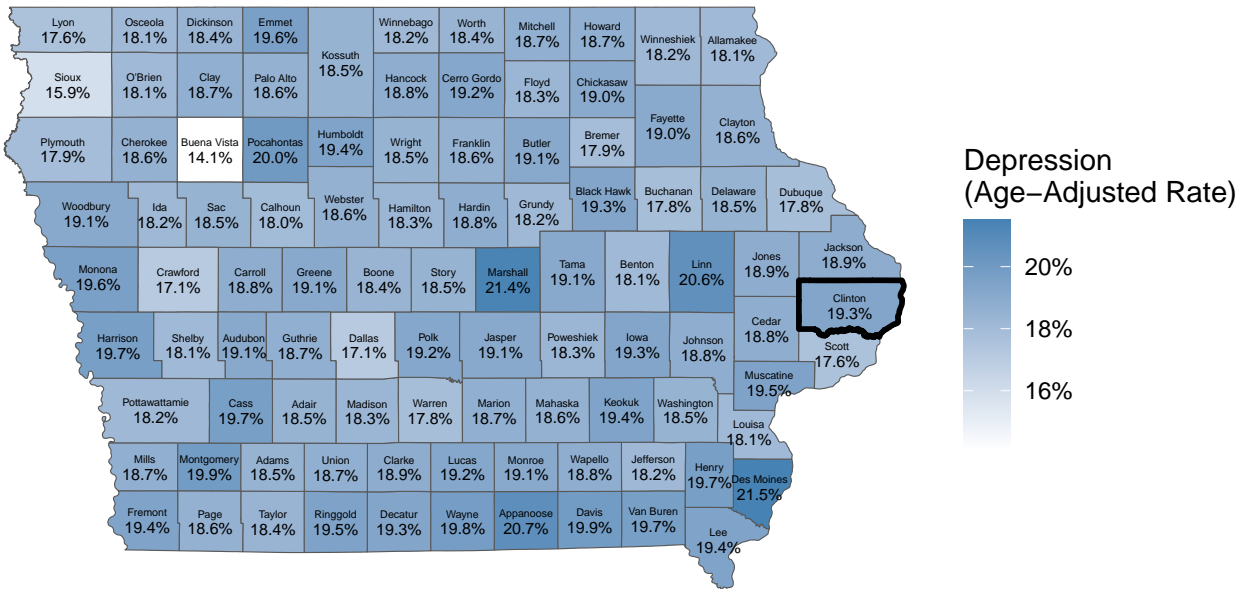
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Depression

Depression among adults aged >=18 years



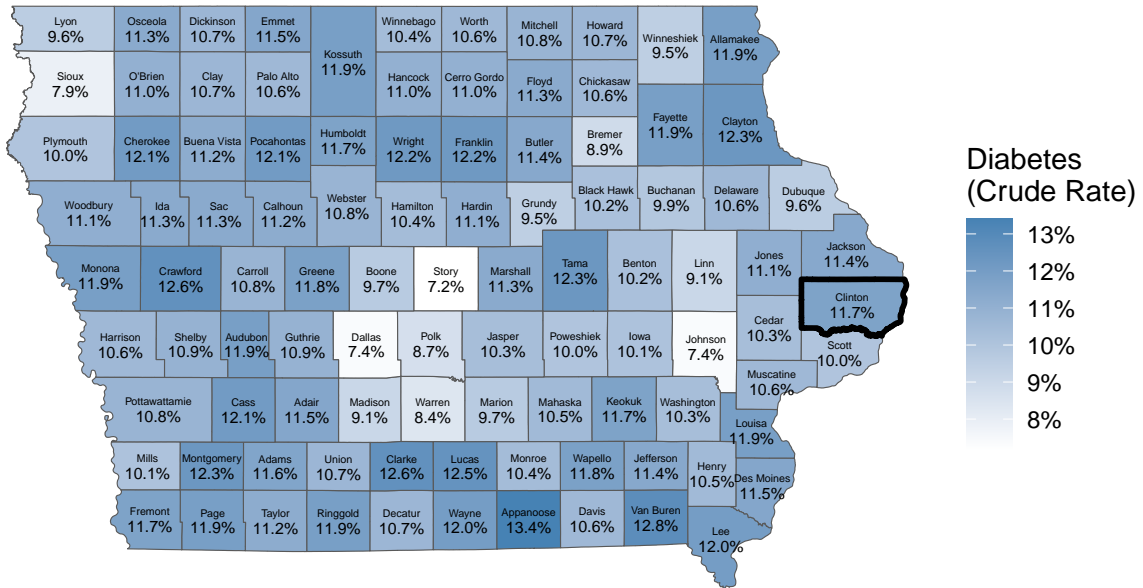
Data Source: CDC PLACES 2023 Release, BRFSS 2021



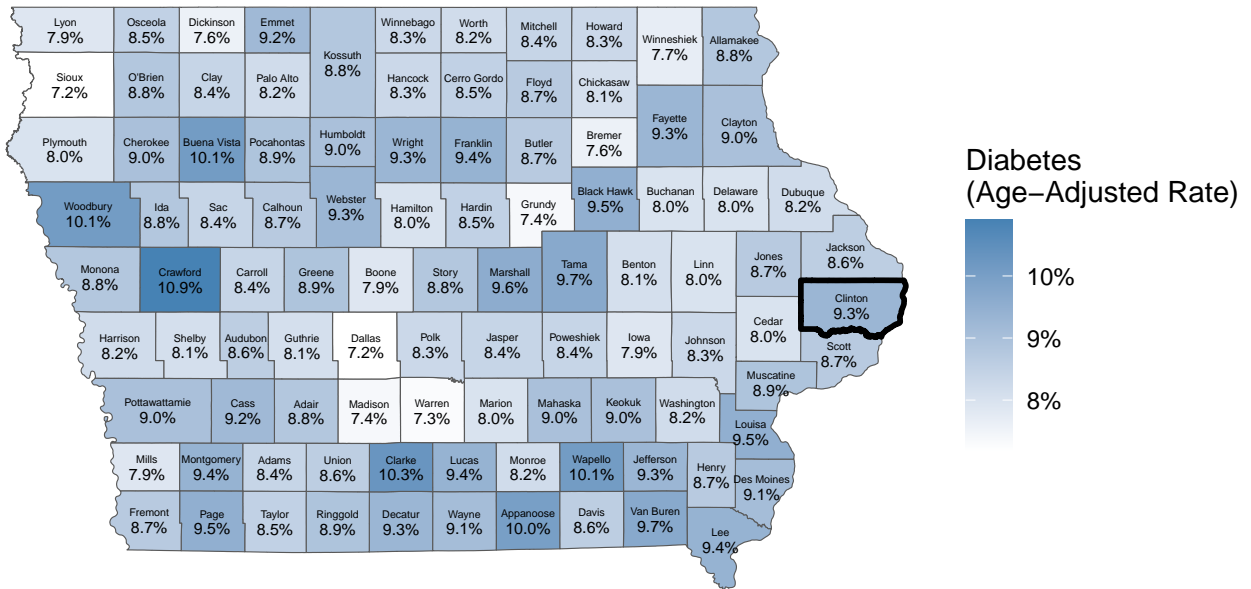
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Diabetes

Diagnosed diabetes among adults aged >=18 years



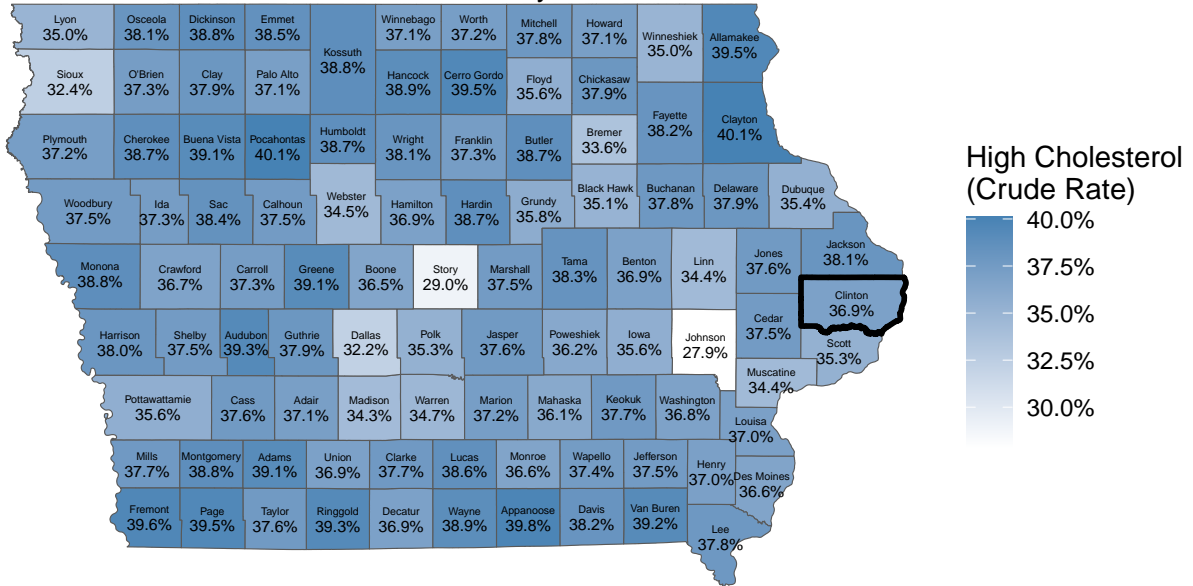
Data Source: CDC PLACES 2023 Release, BRFSS 2021



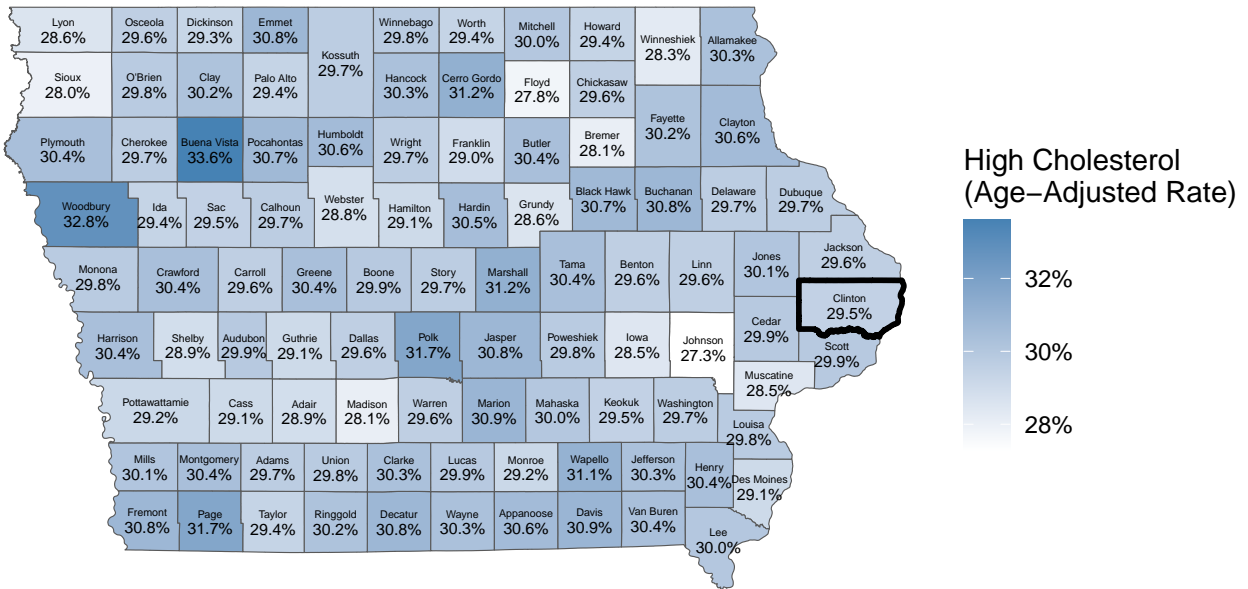
Data Source: CDC PLACES 2023 Release, BRFSS 2021

High Cholesterol

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



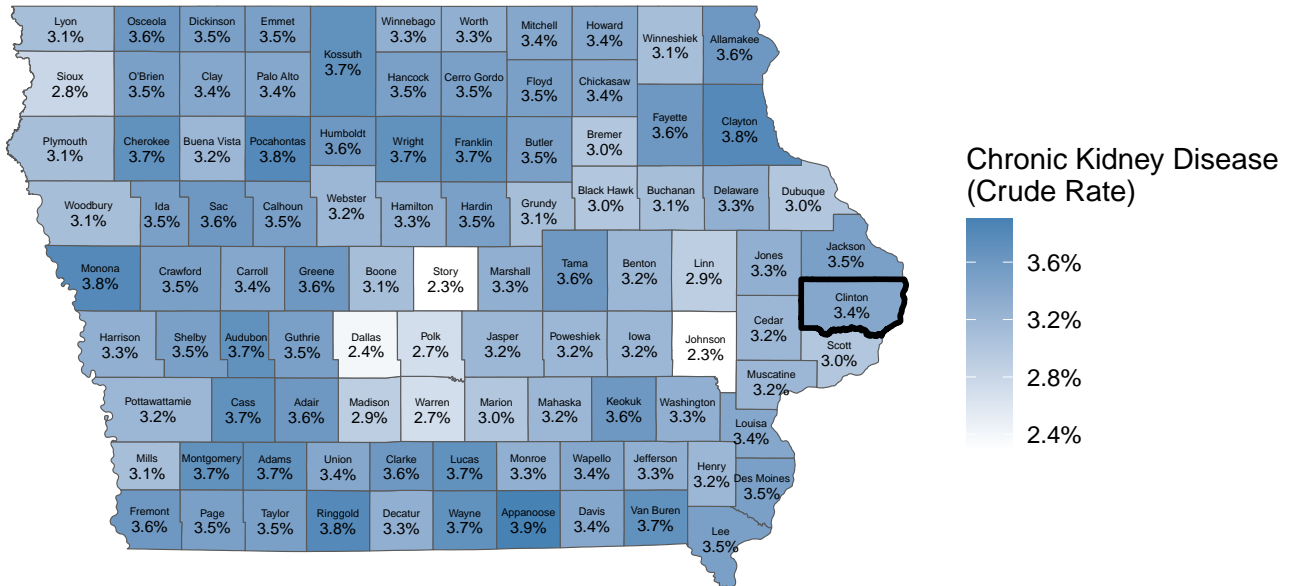
Data Source: CDC PLACES 2023 Release, BRFSS 2021



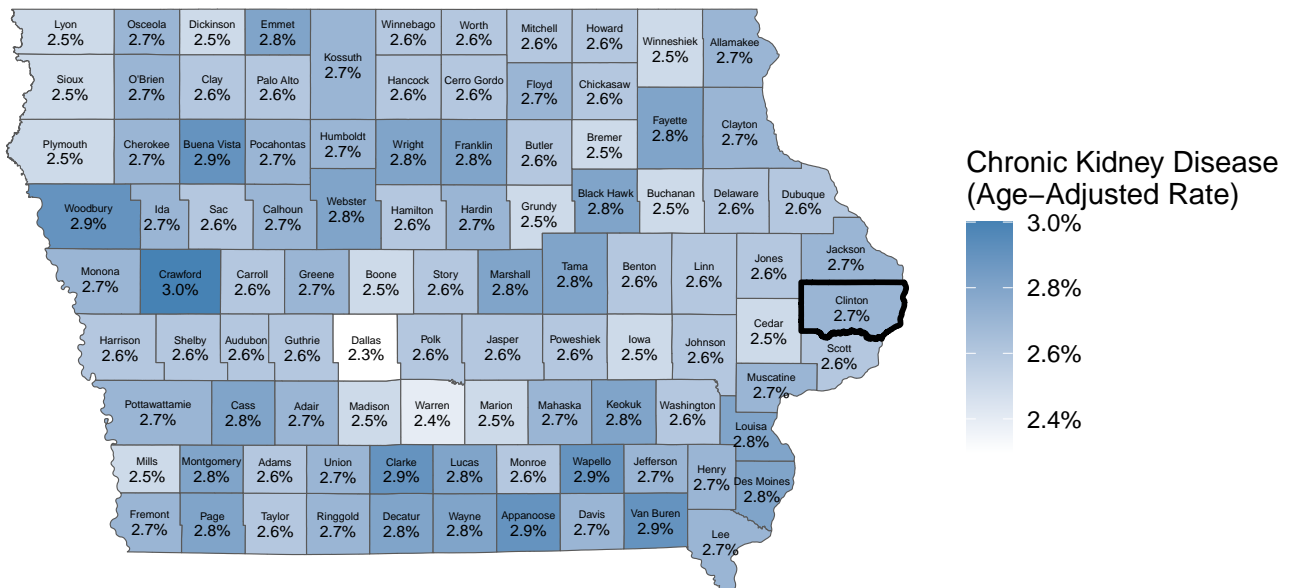
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Chronic Kidney Disease

Chronic kidney disease among adults aged >=18 years



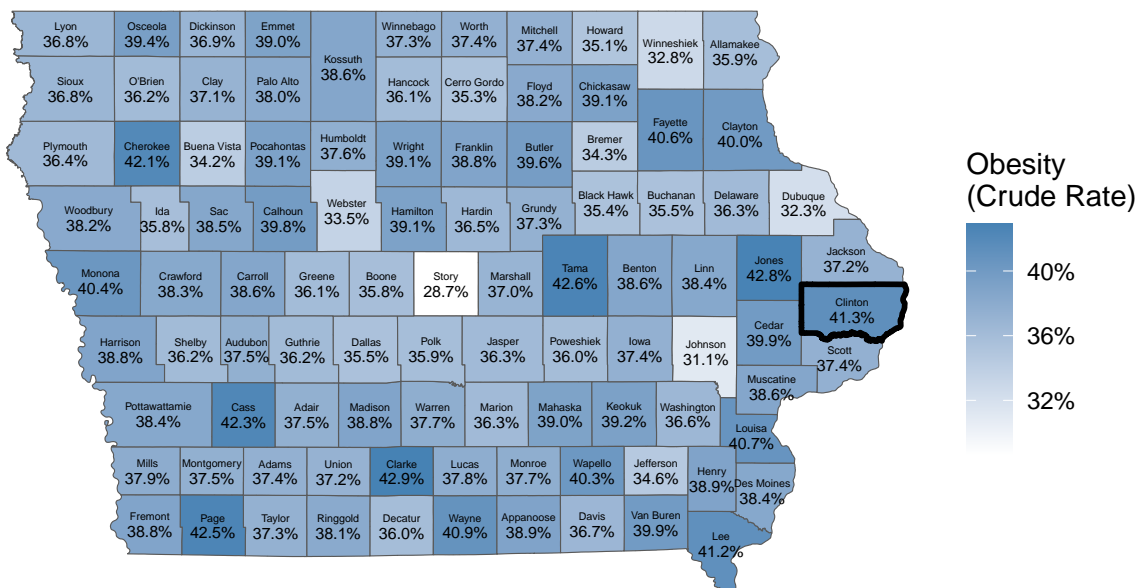
Data Source: CDC PLACES 2023 Release, BRFSS 2021



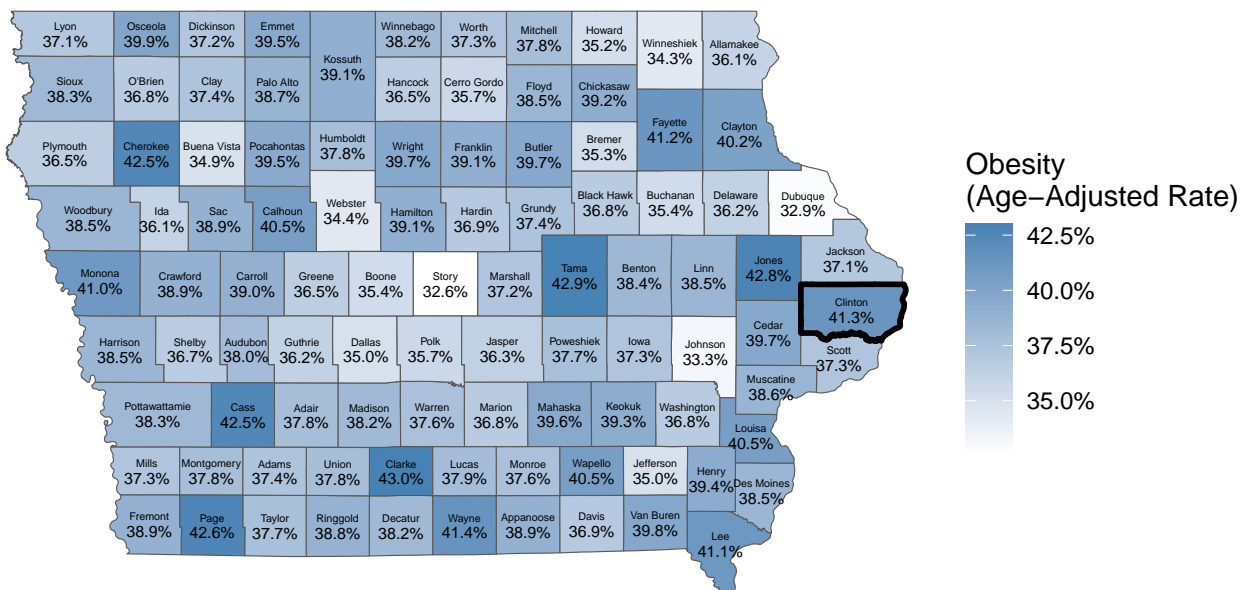
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Obesity

Obesity among adults aged >=18 years



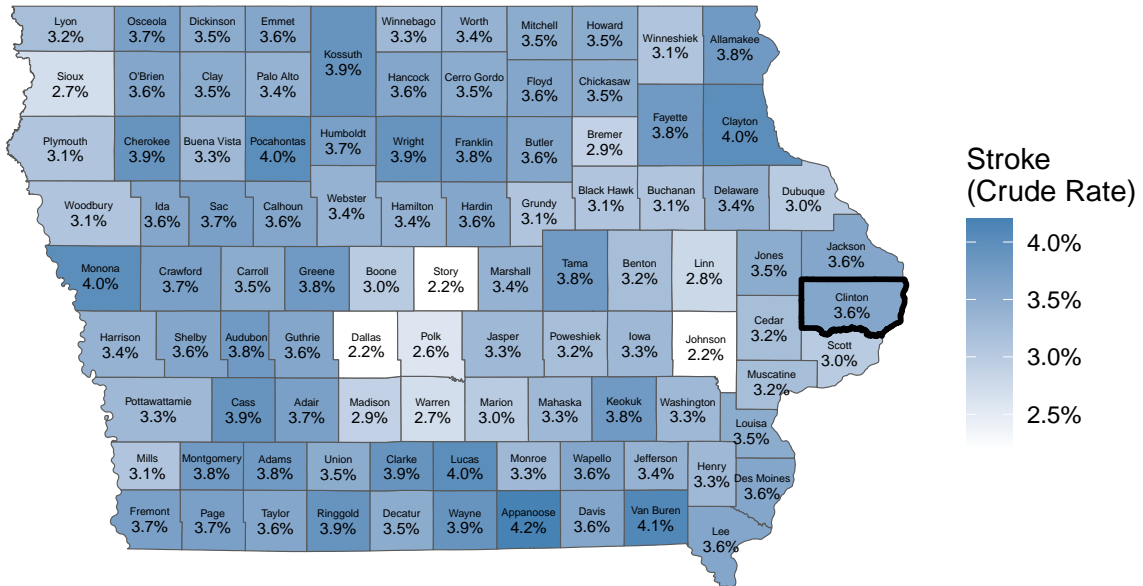
Data Source: CDC PLACES 2023 Release, BRFSS 2021



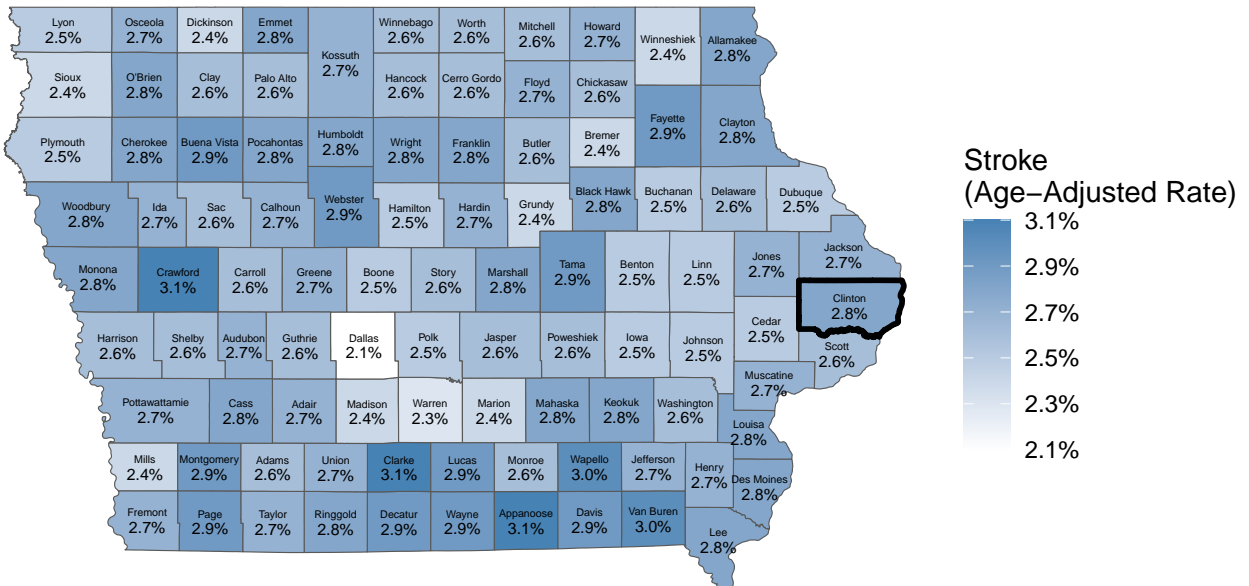
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Stroke

Stroke among adults aged ≥ 18 years



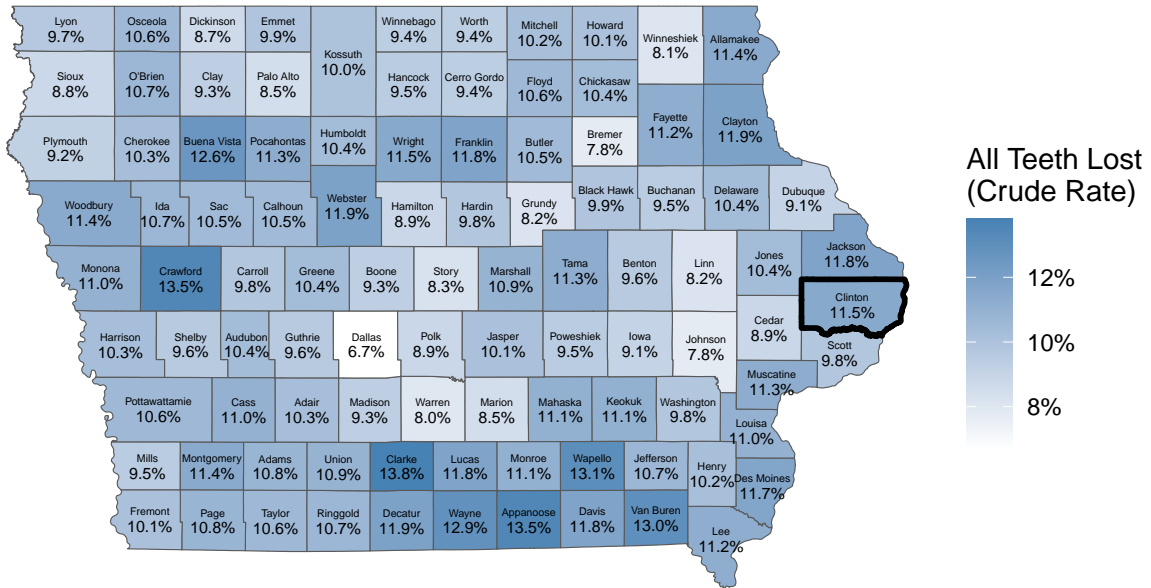
Data Source: CDC PLACES 2023 Release, BRFSS 2021



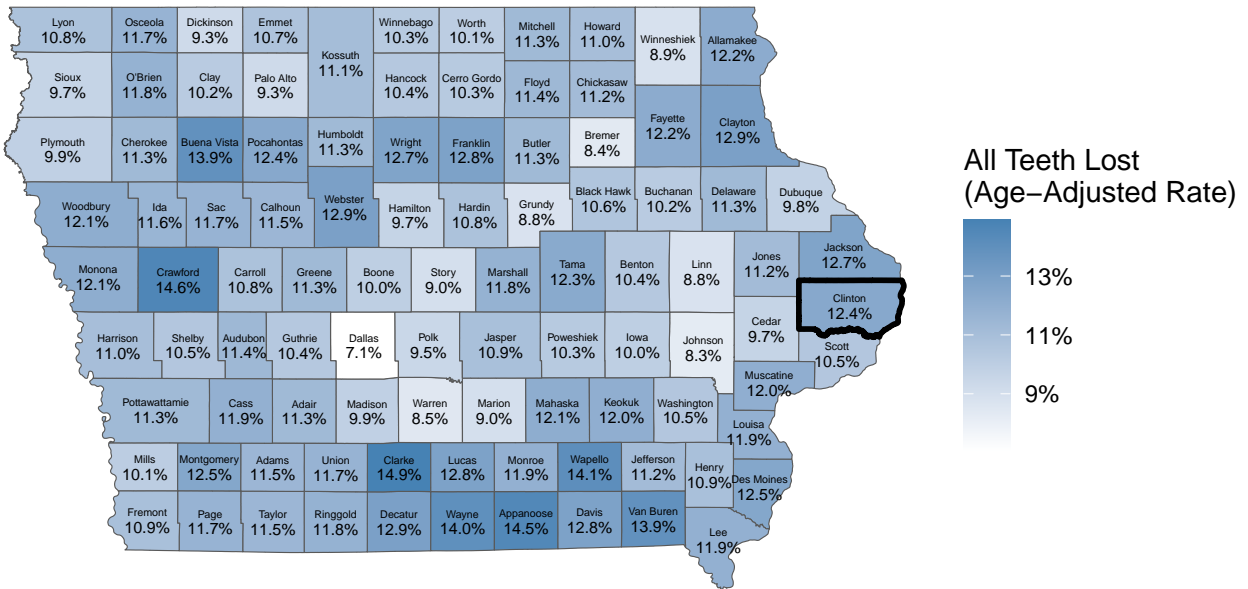
Data Source: CDC PLACES 2023 Release, BRFSS 2021

All Teeth Lost

All teeth lost among adults aged ≥ 65 years



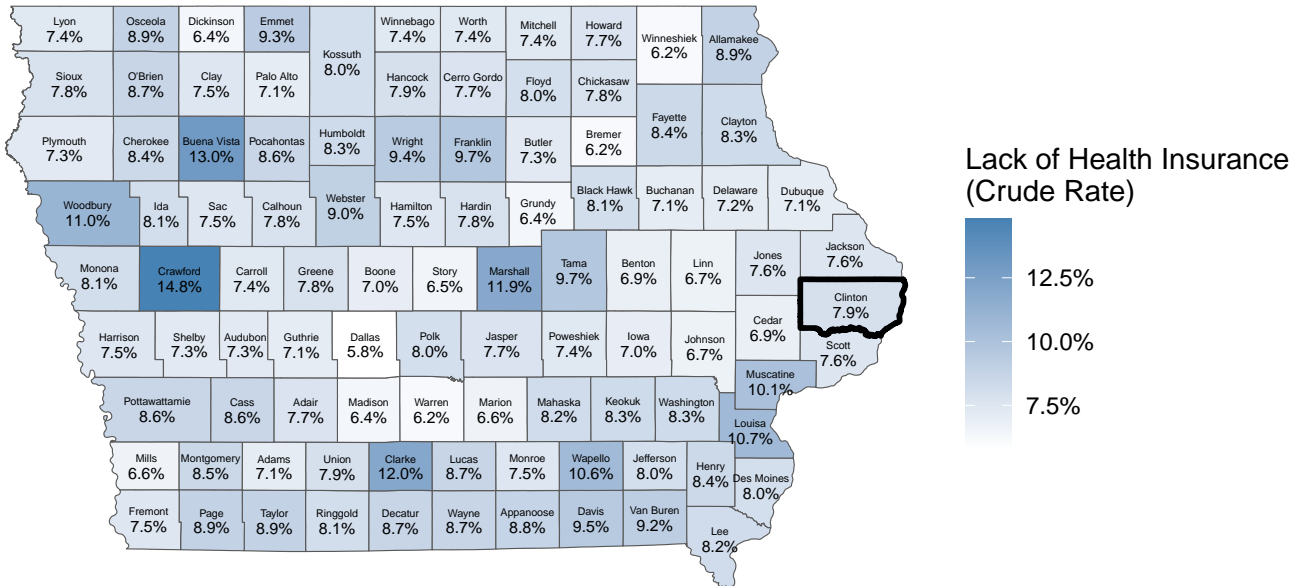
Data Source: CDC PLACES 2023 Release, BRFSS 2020



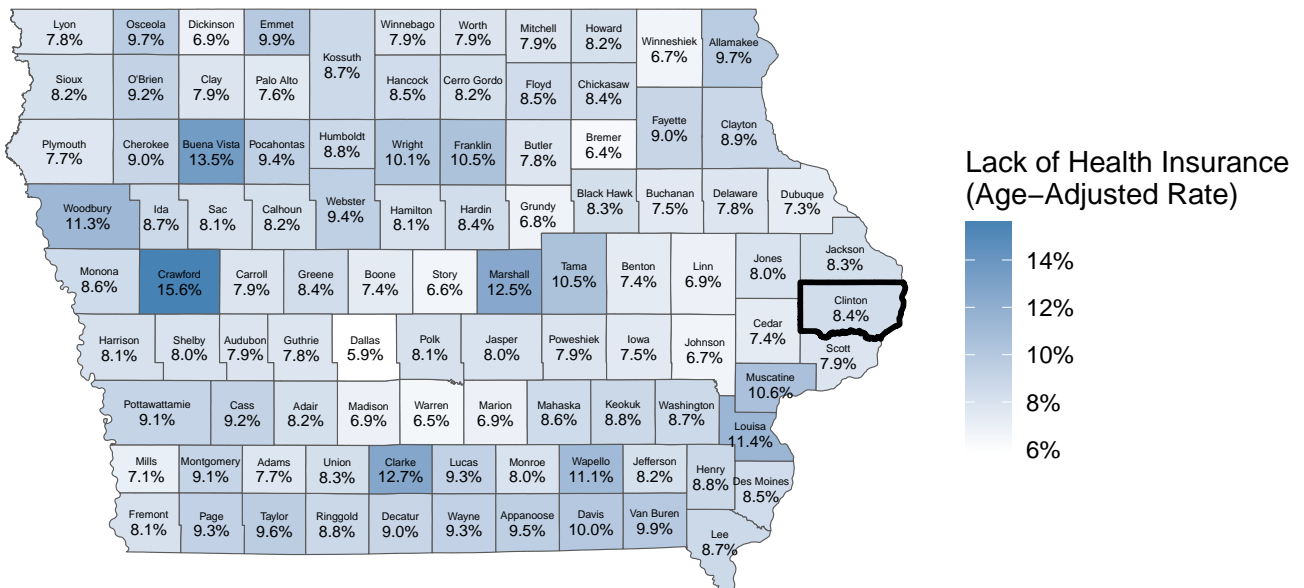
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Lack of Health Insurance

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



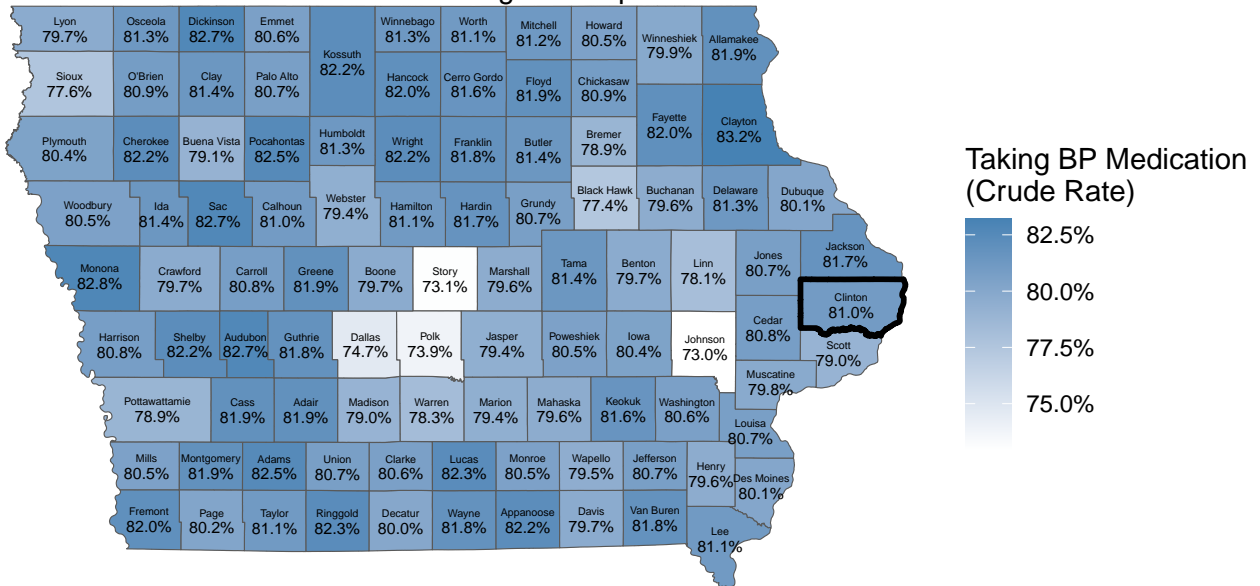
Data Source: CDC PLACES 2023 Release, BRFSS 2021



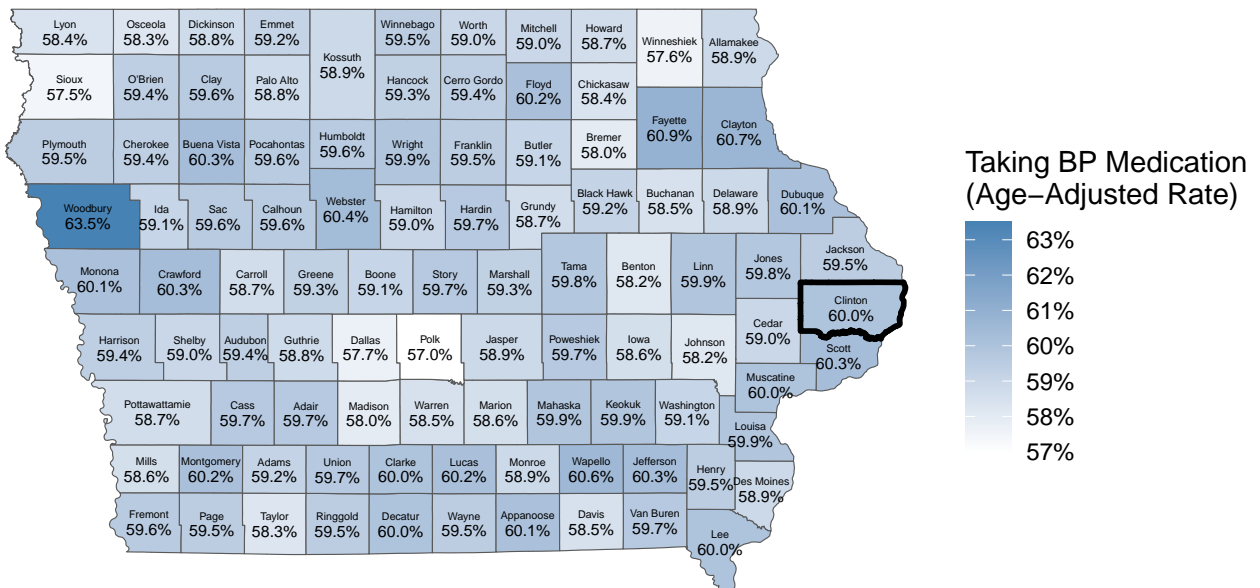
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Taking BP Medication

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



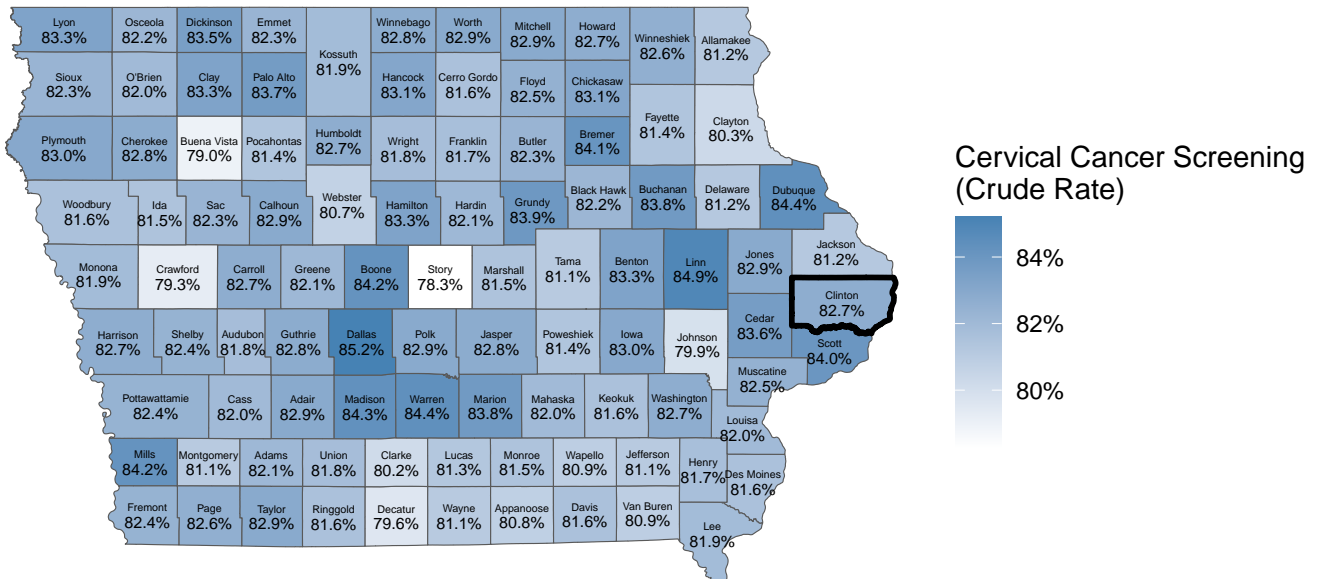
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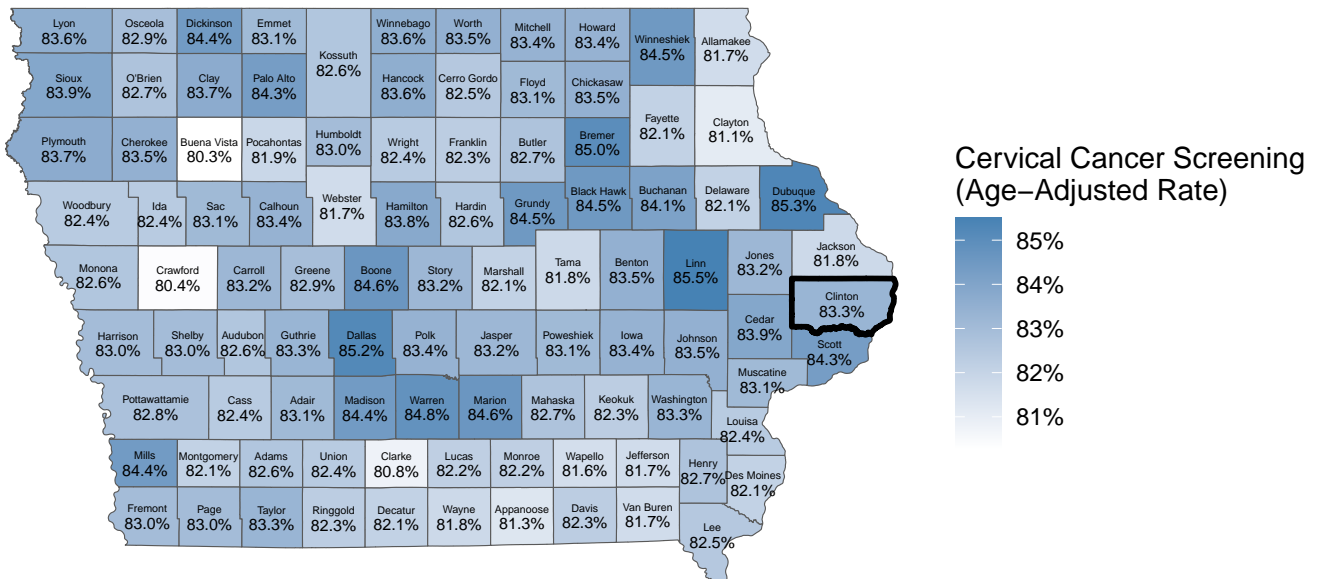
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Cervical Cancer Screening

Cervical cancer screening among adult women aged 21–65 years



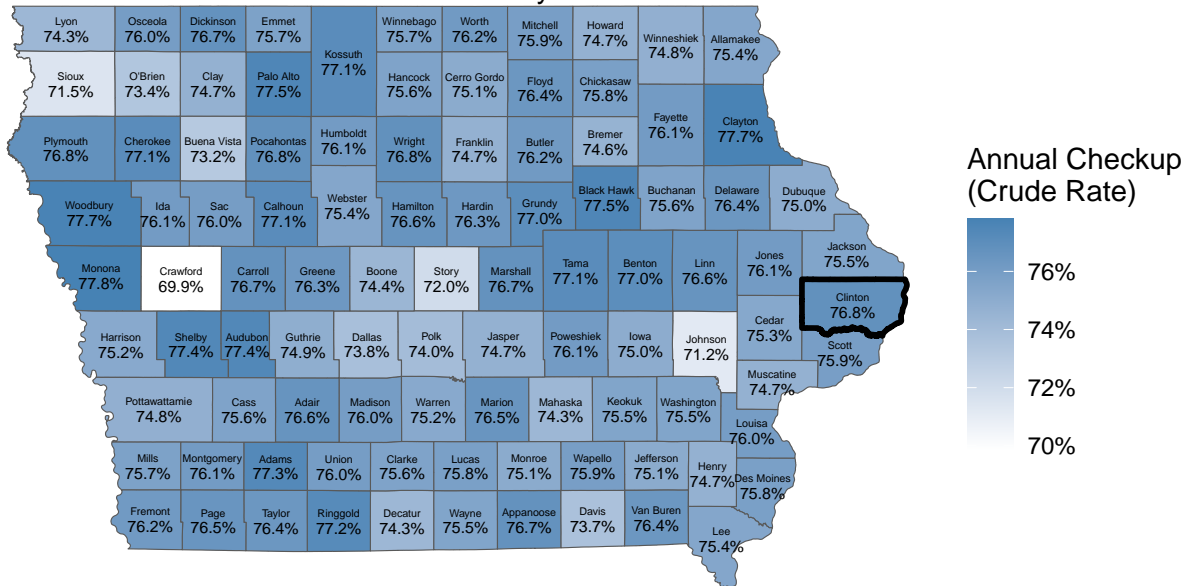
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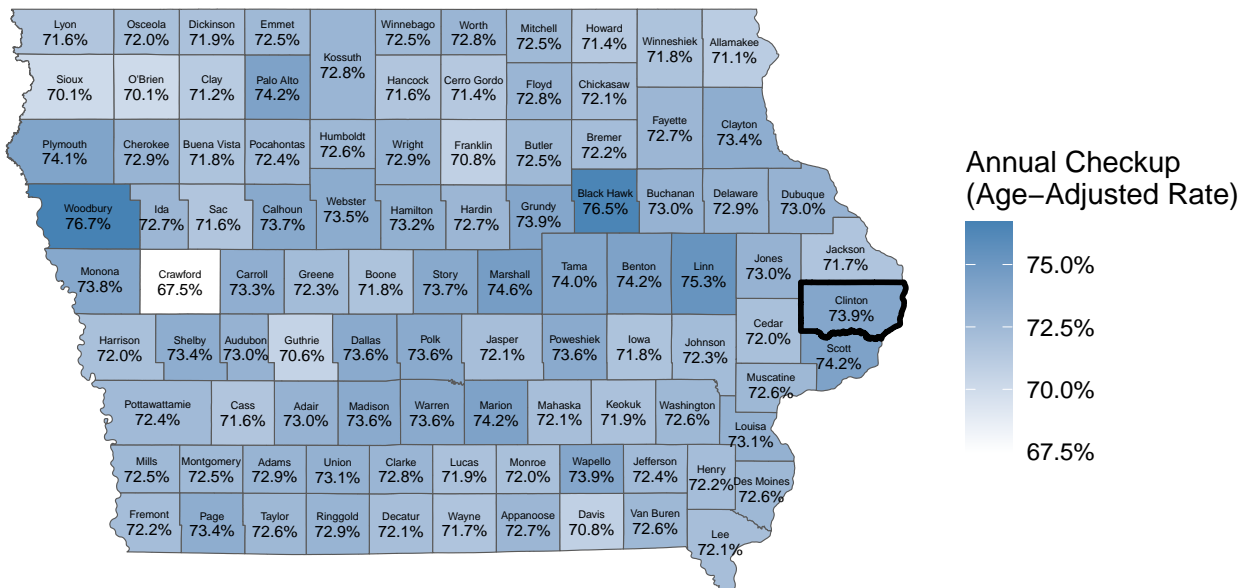
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Annual Checkup

Visits to doctor for routine checkup within the past year among adults aged ≥ 18 years



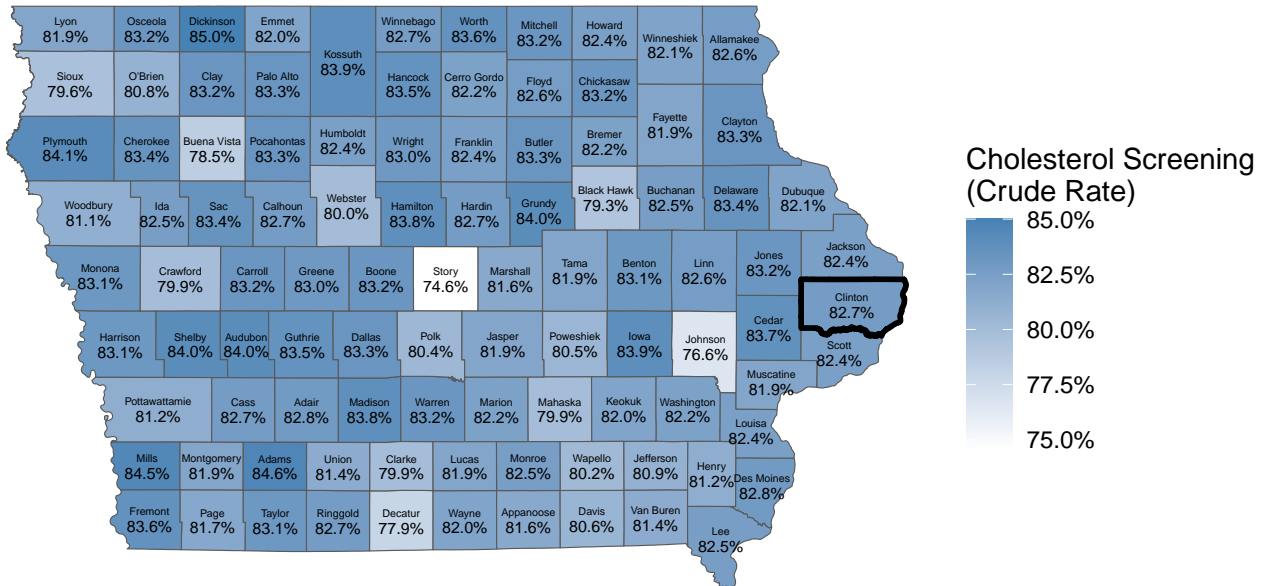
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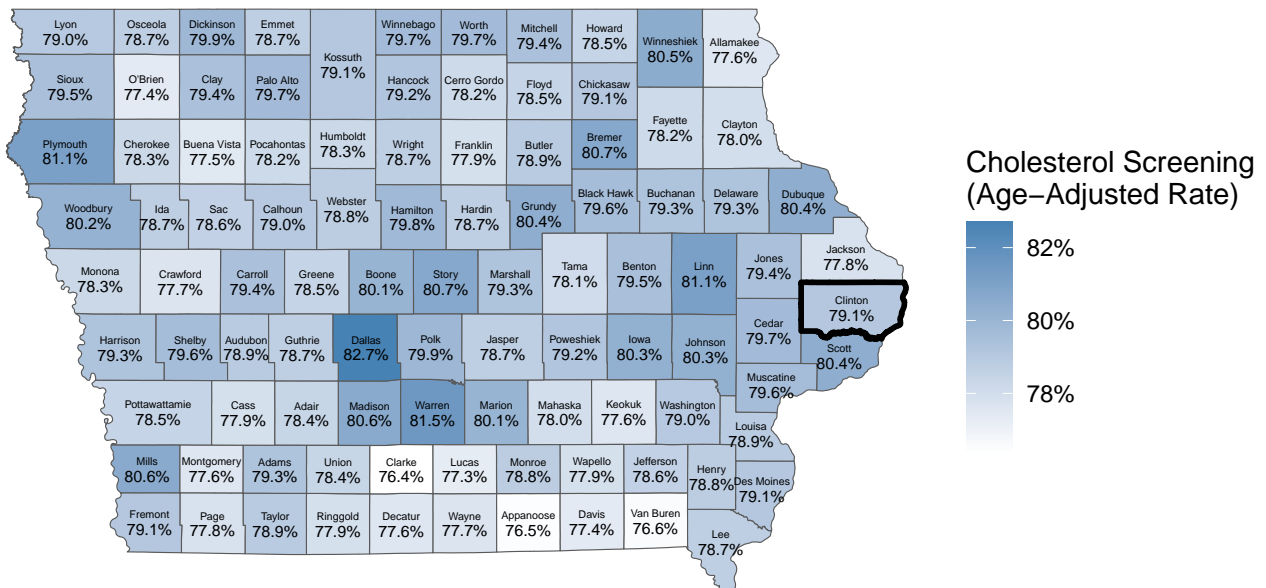
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Cholesterol Screening

Cholesterol screening among adults aged ≥ 18 years



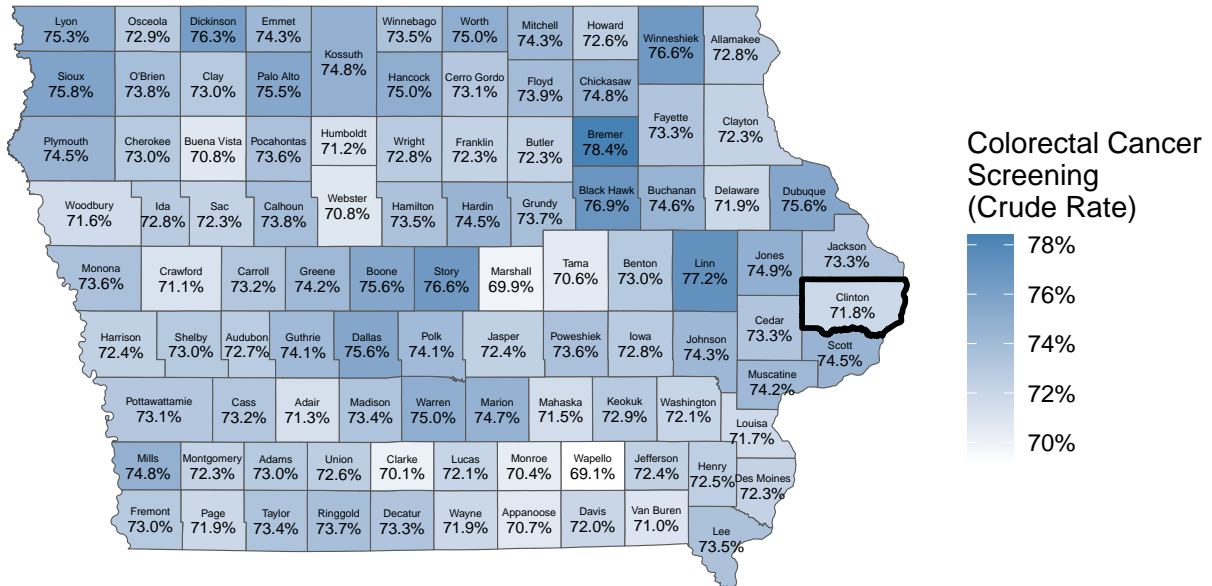
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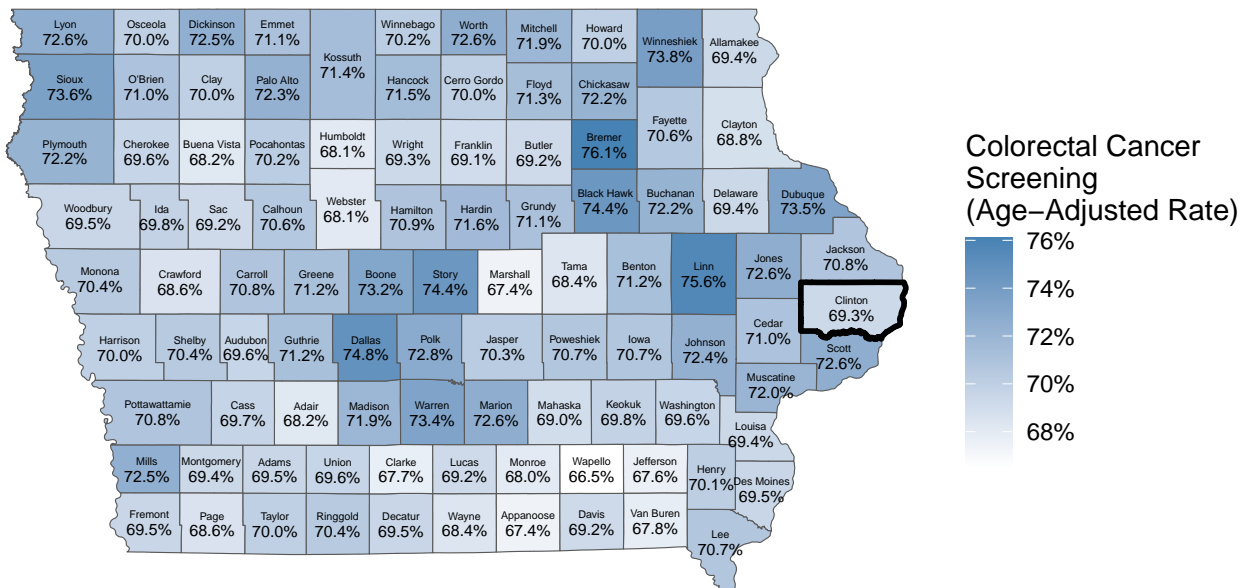
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Colorectal Cancer Screening

Colorectal cancer screening among adults aged 50–75 years



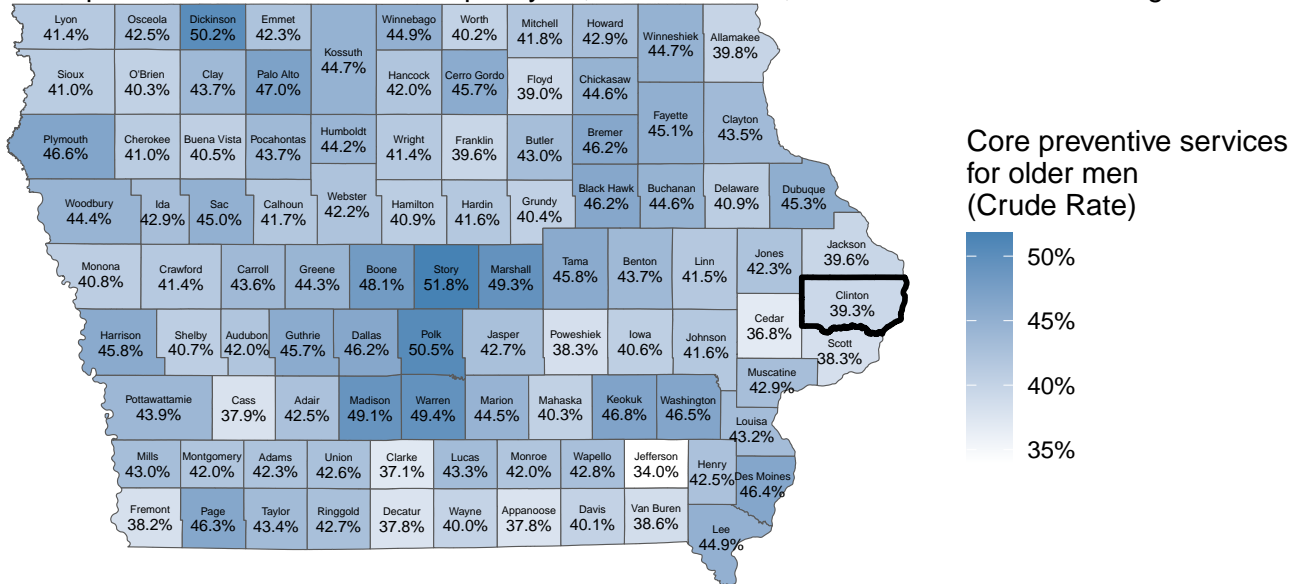
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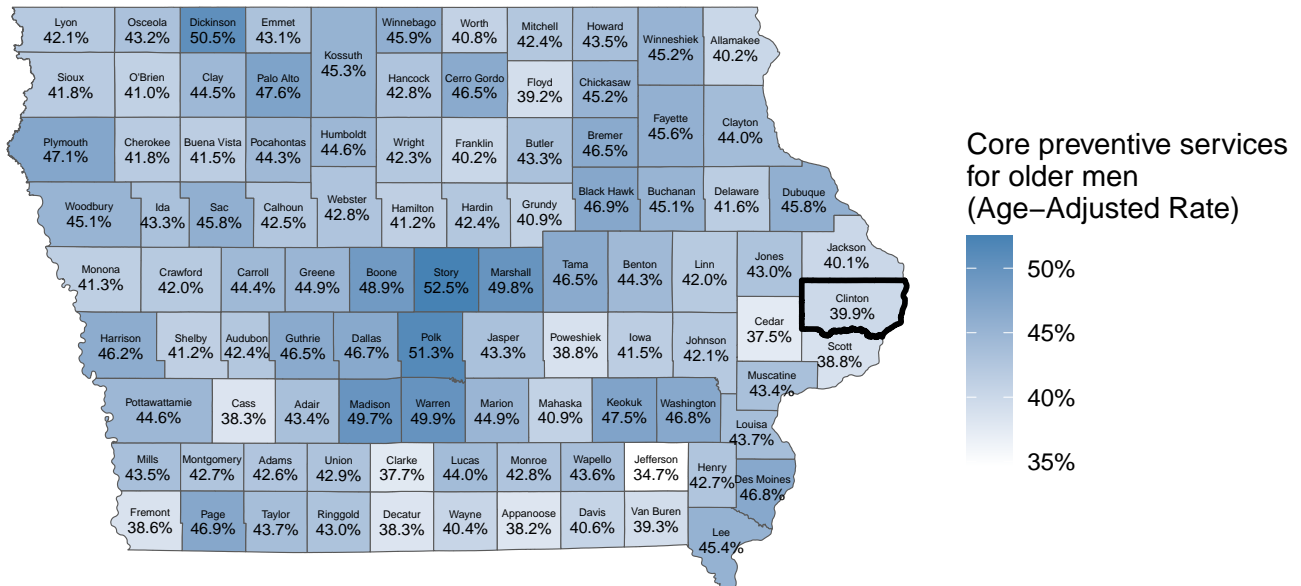
Data Source: CDC PLACES 2023 Release, BRFSS 2020

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



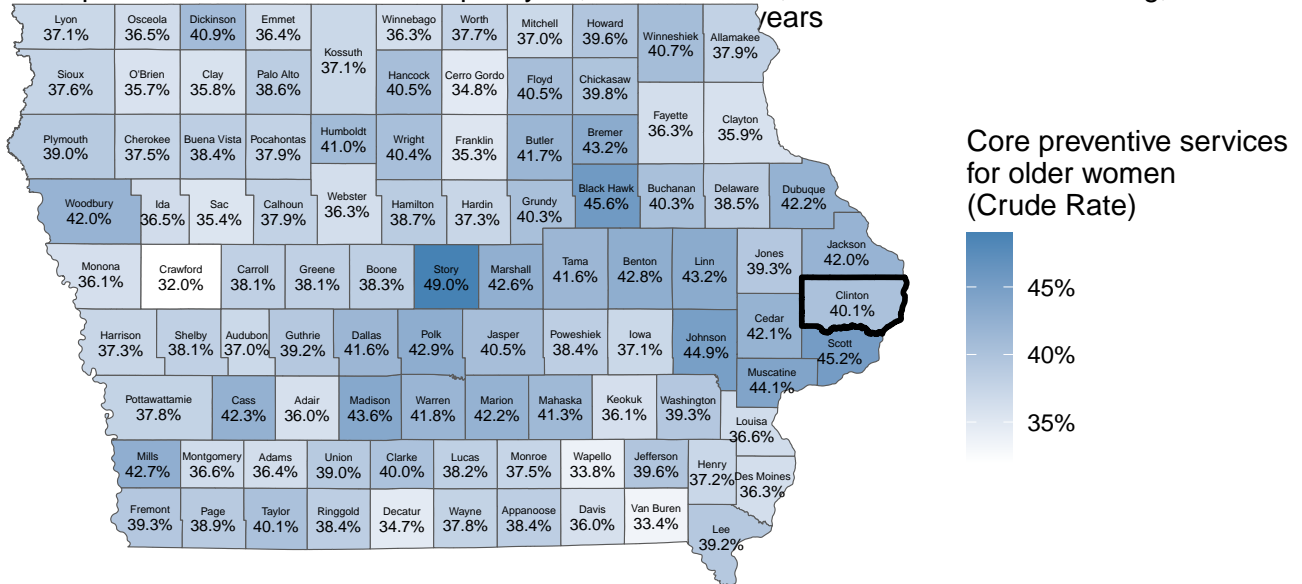
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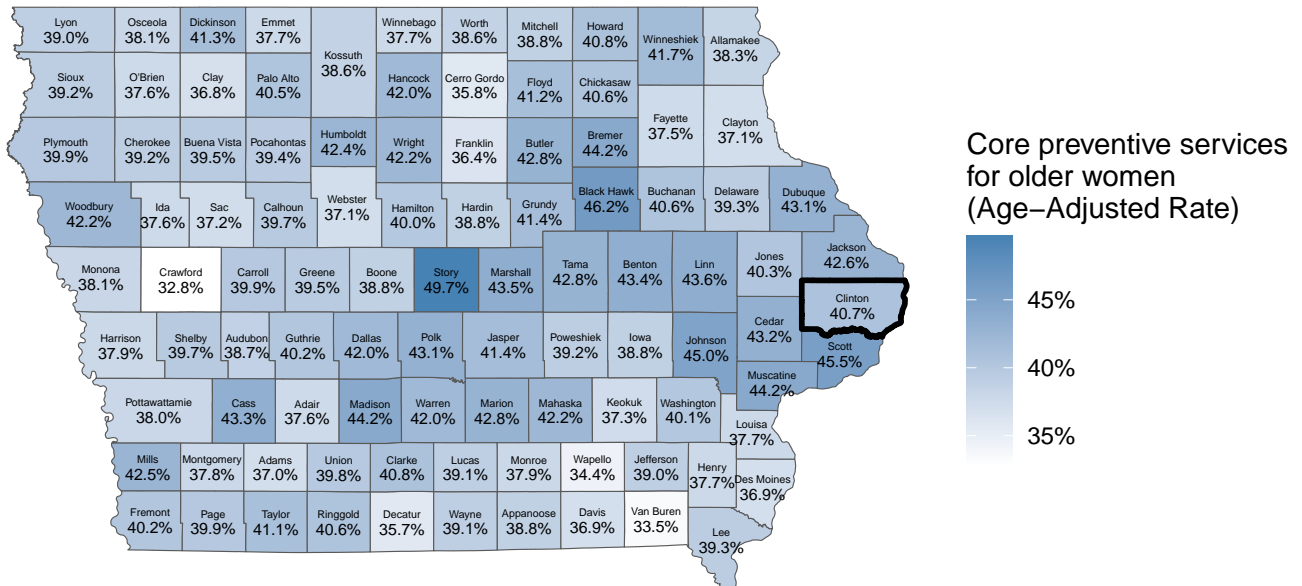
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Core preventive services for older women

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



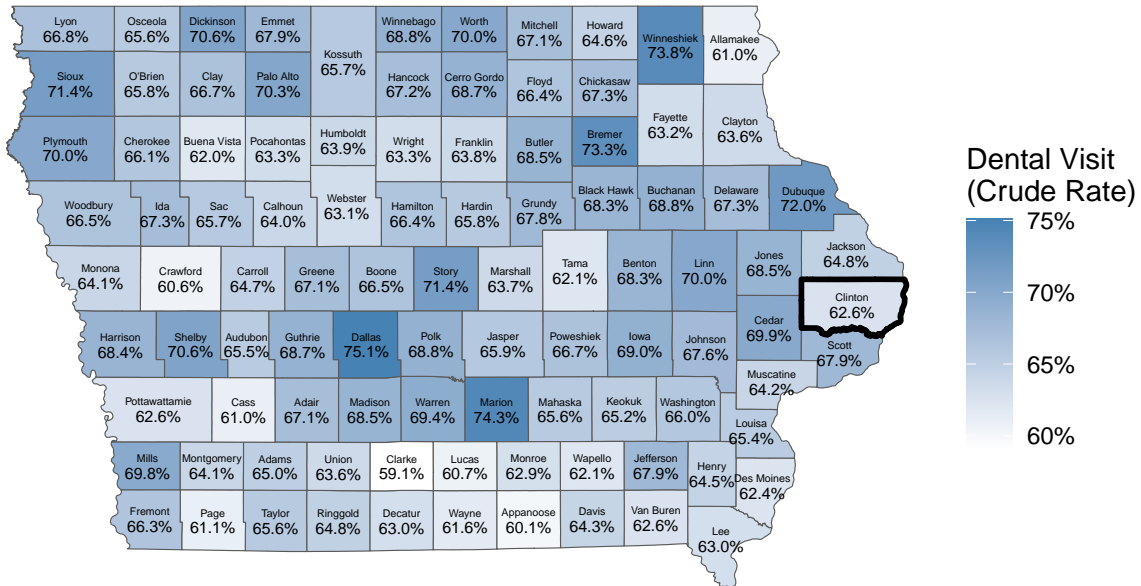
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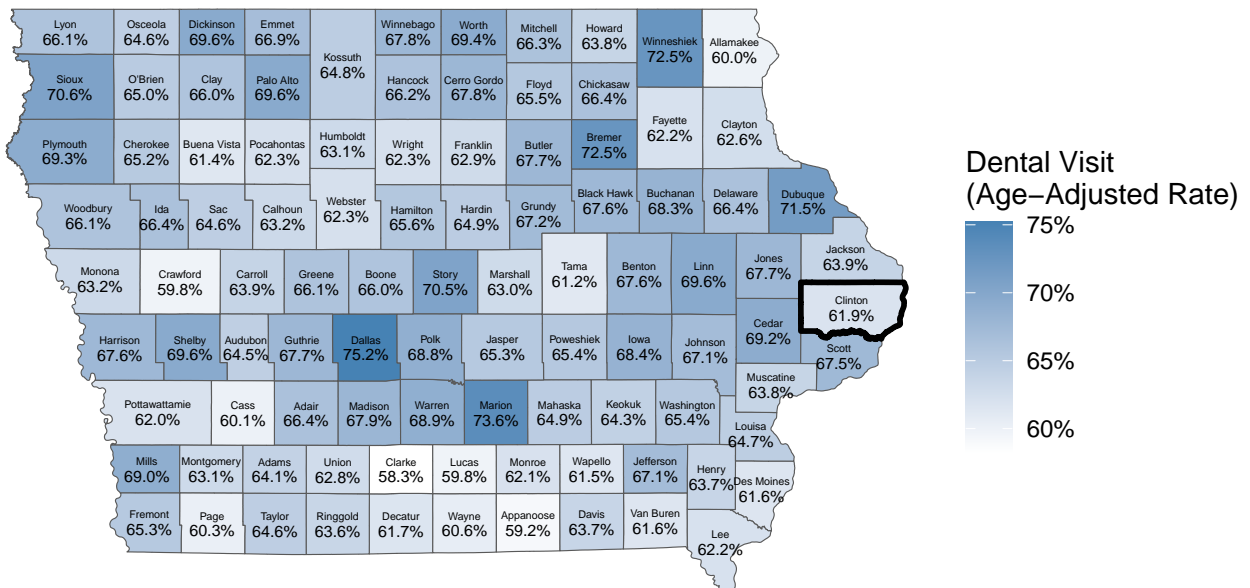
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Dental Visit

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



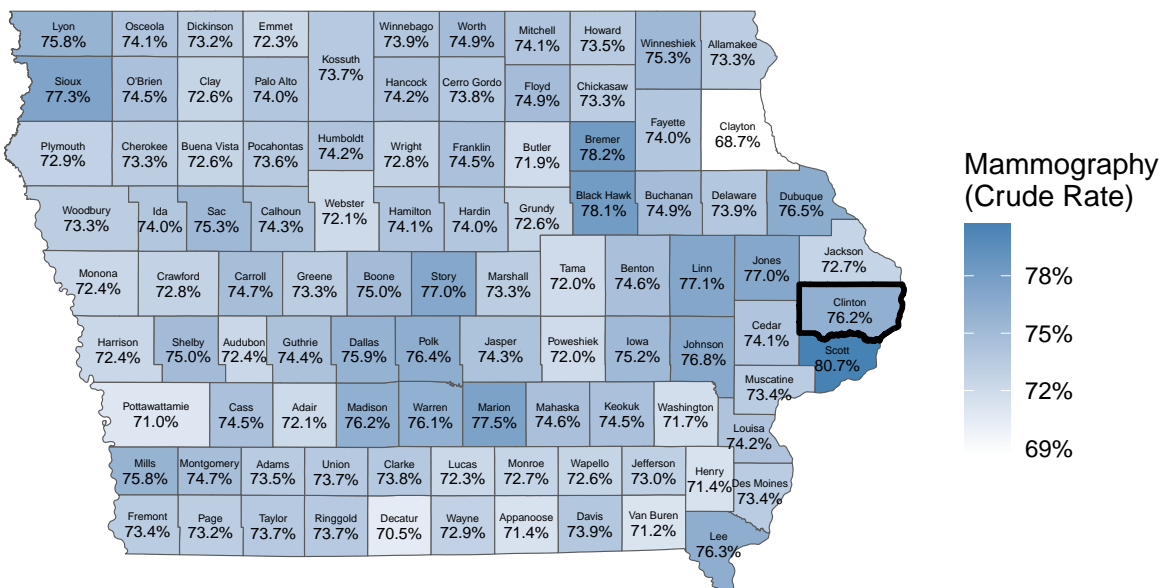
Data Source: CDC PLACES 2023 Release, BRFSS 2020



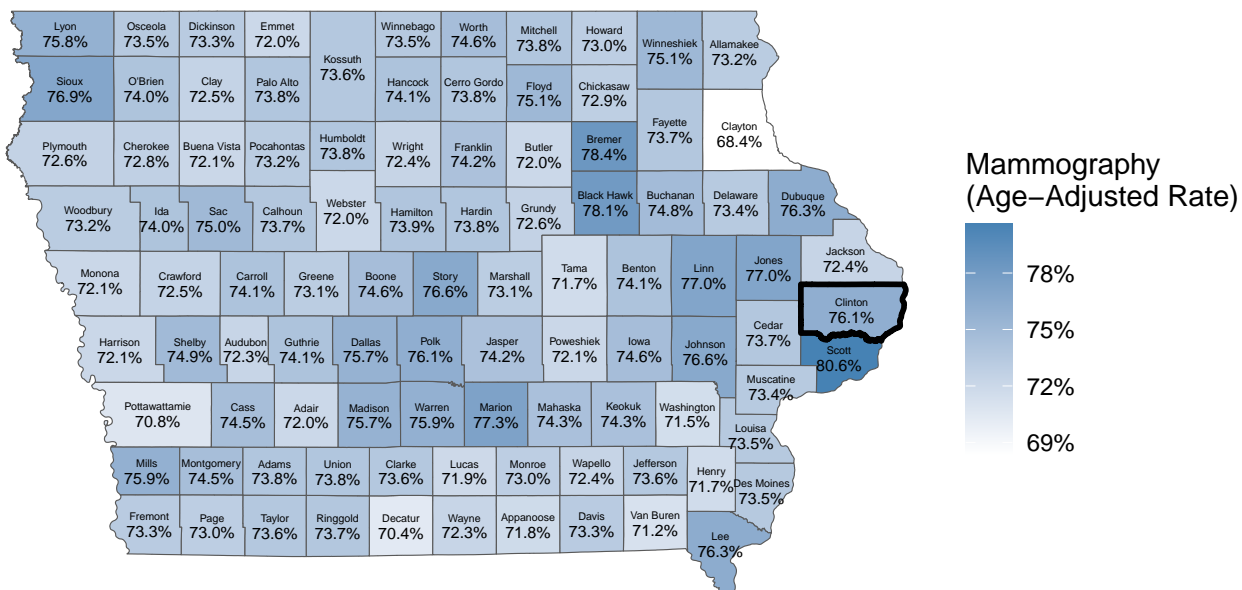
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Mammography

Mammography use among women aged 50–74 years



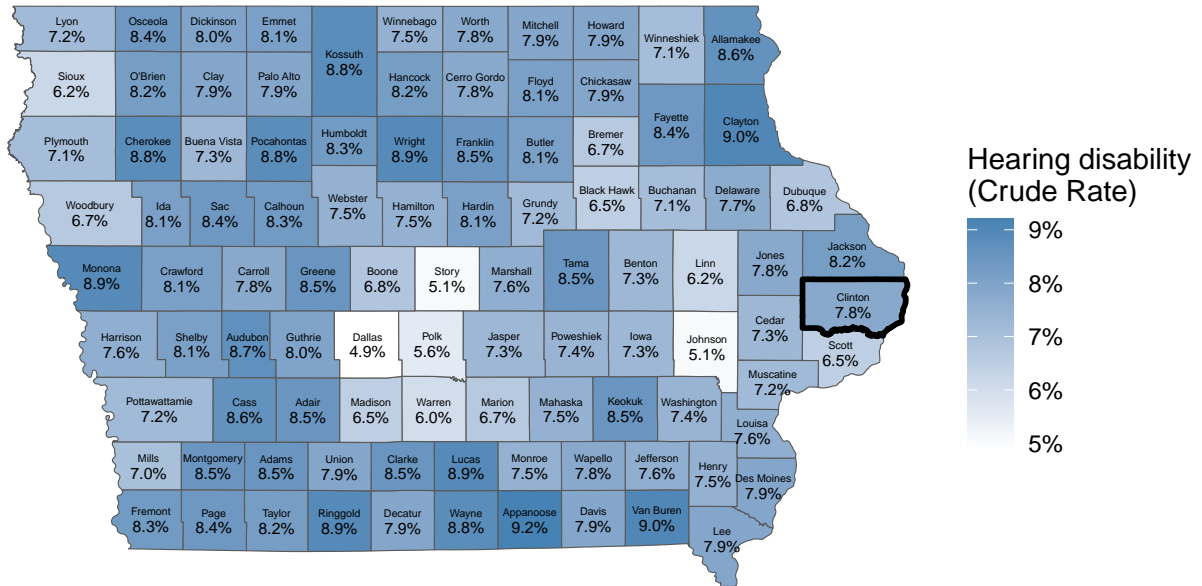
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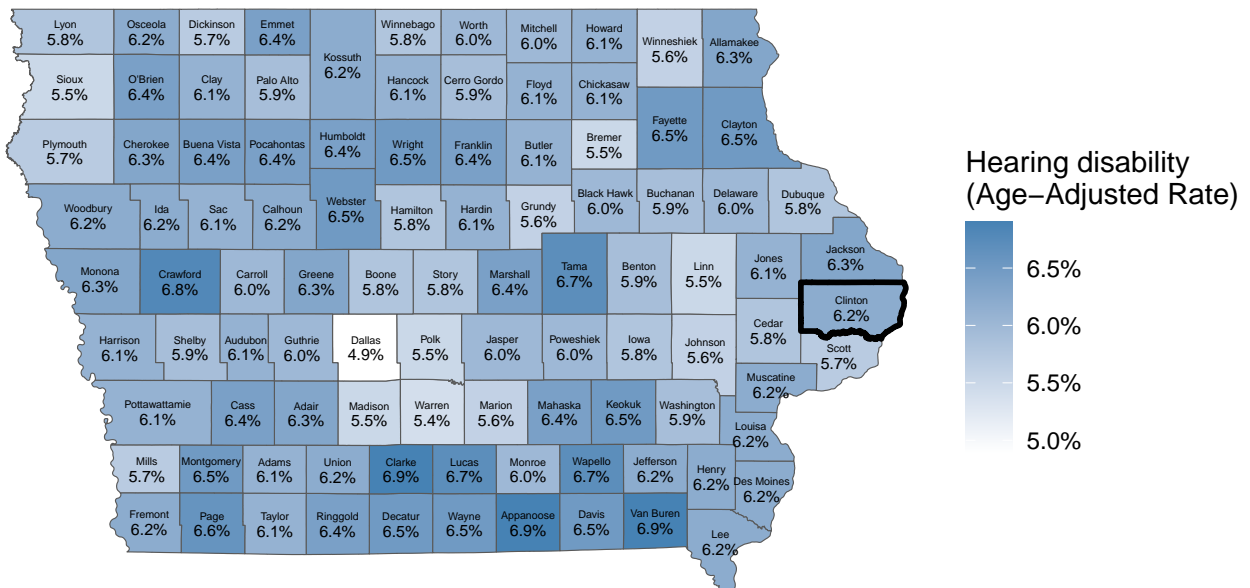
Data Source: CDC PLACES 2023 Release, BRFSS 2020

Hearing disability

Hearing disability among adults aged ≥ 18 years



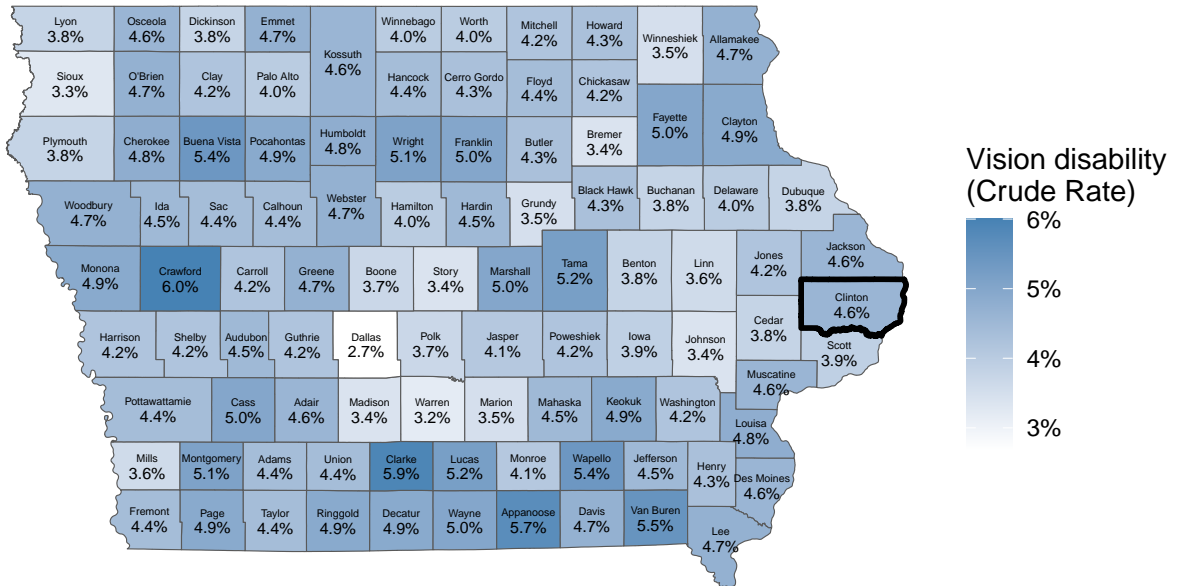
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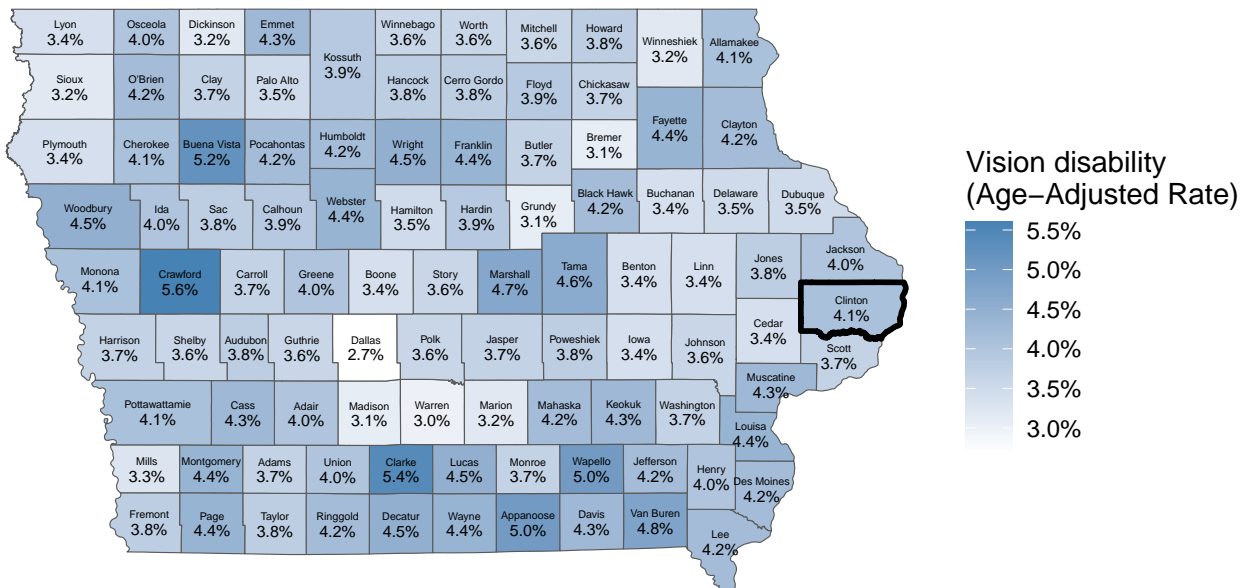
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Vision disability

Vision disability among adults aged >=18 years



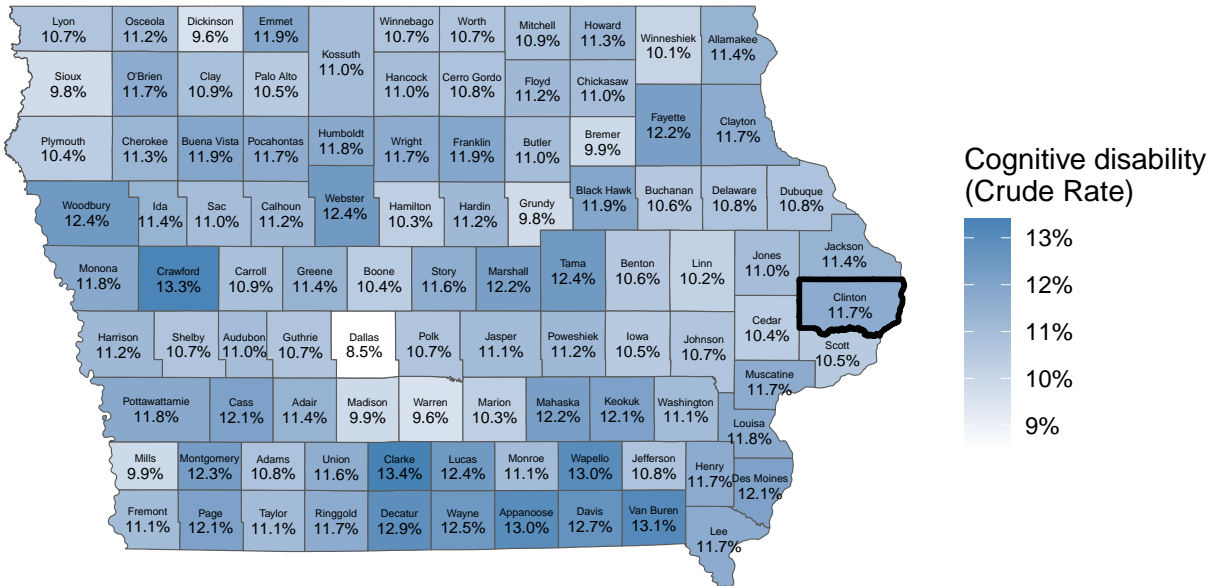
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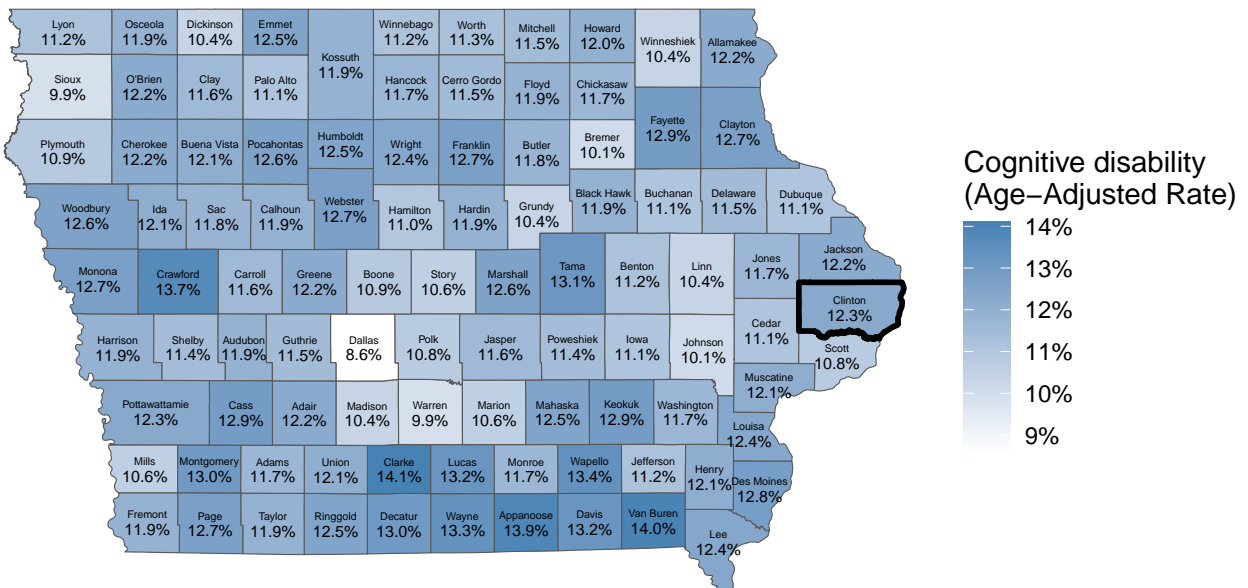
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Cognitive disability

Cognitive disability among adults aged >=18 years



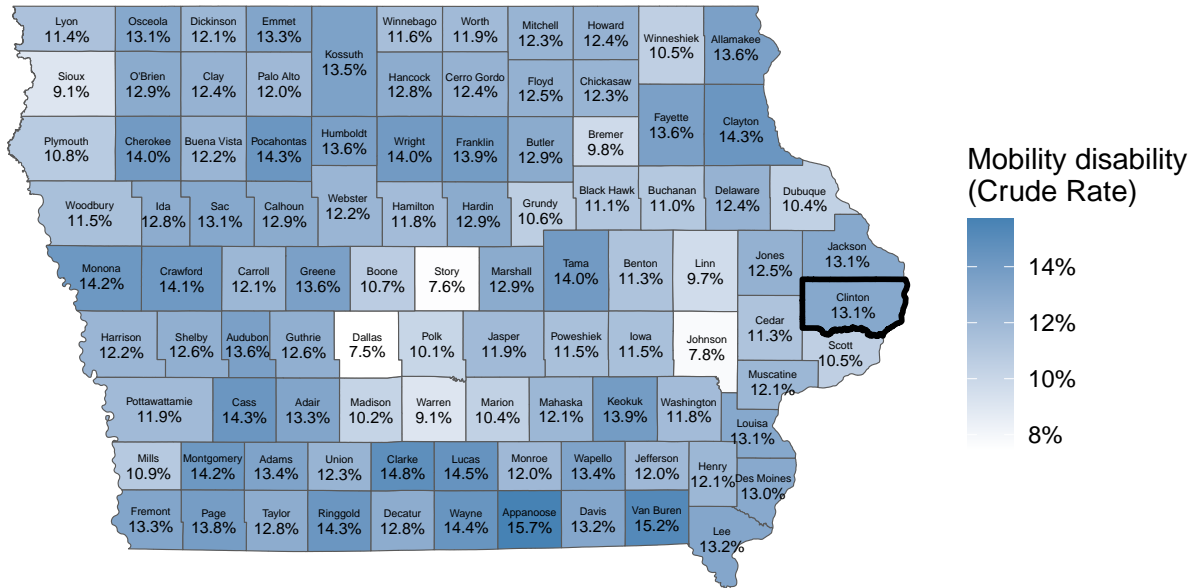
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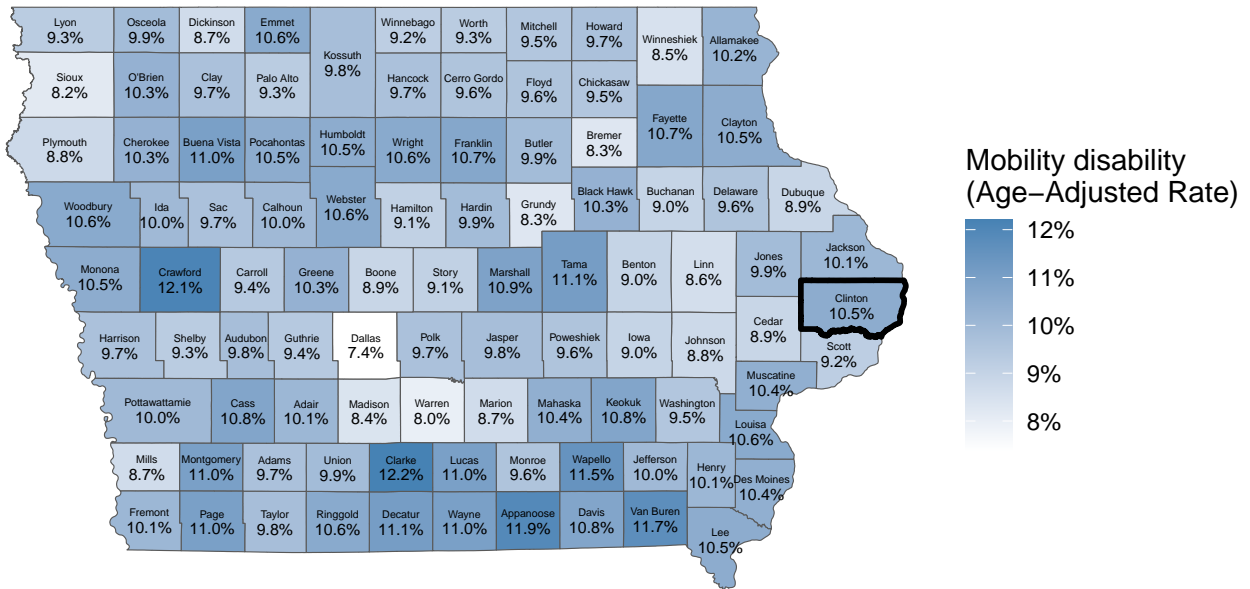
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Mobility disability

Mobility disability among adults aged ≥ 18 years



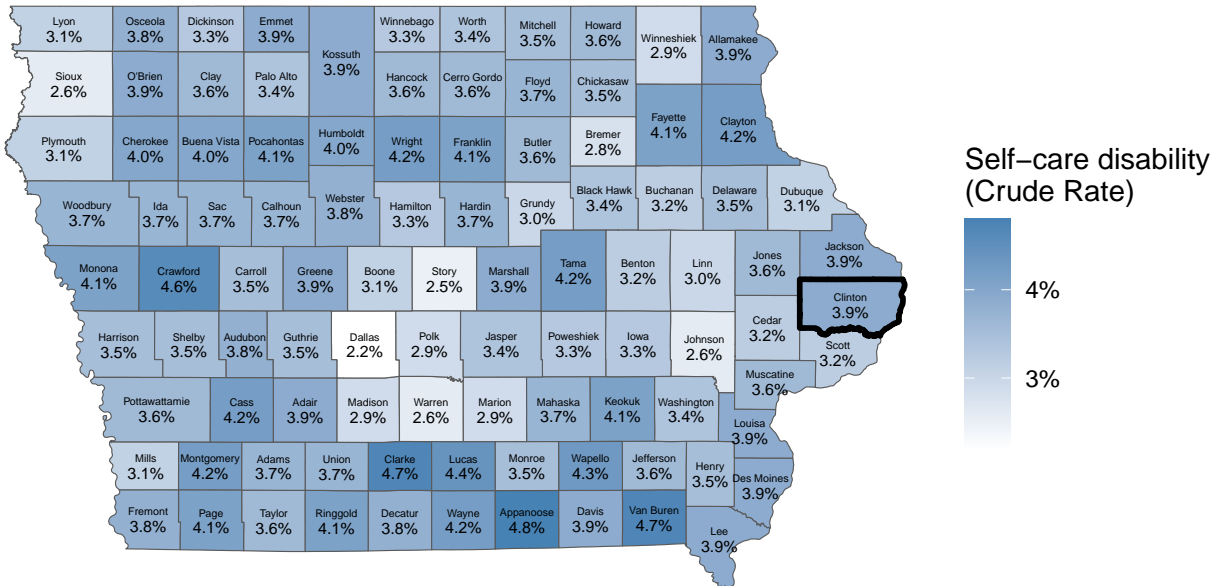
Data Source: CDC PLACES 2023 Release, BRFSS 2021



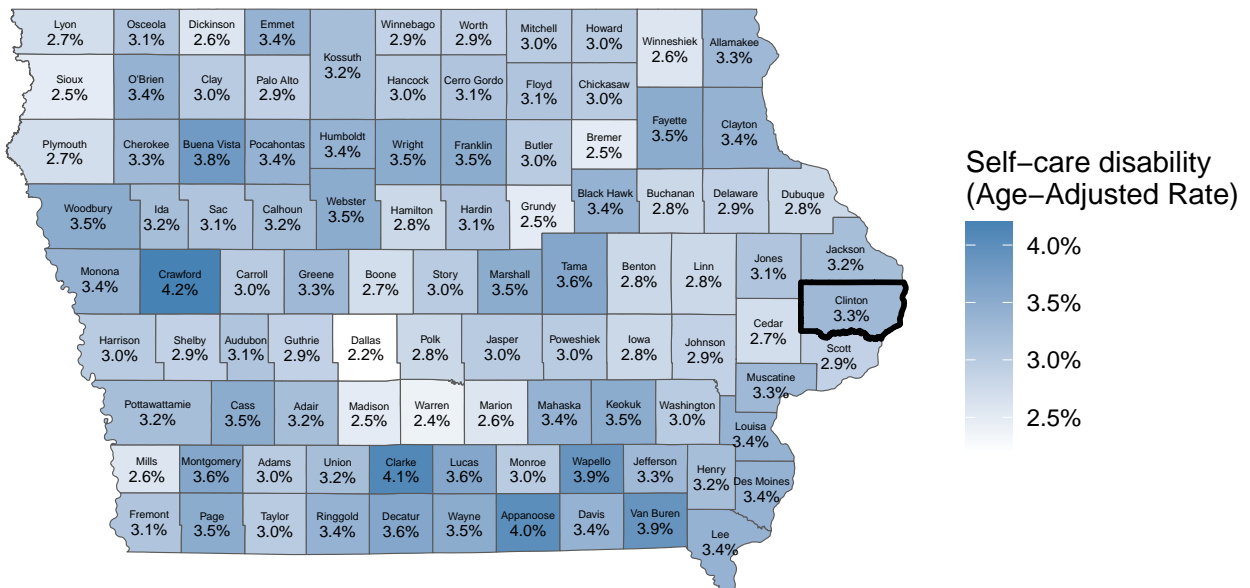
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Self-care disability

Self-care disability among adults aged >=18 years



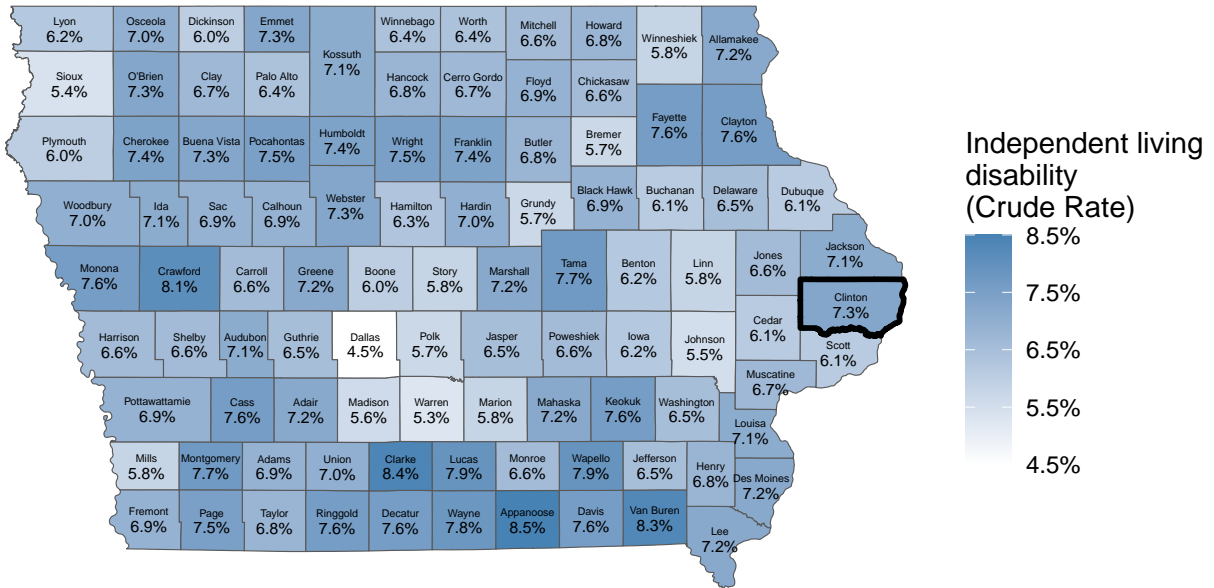
Data Source: CDC PLACES 2023 Release, BRFSS 2021



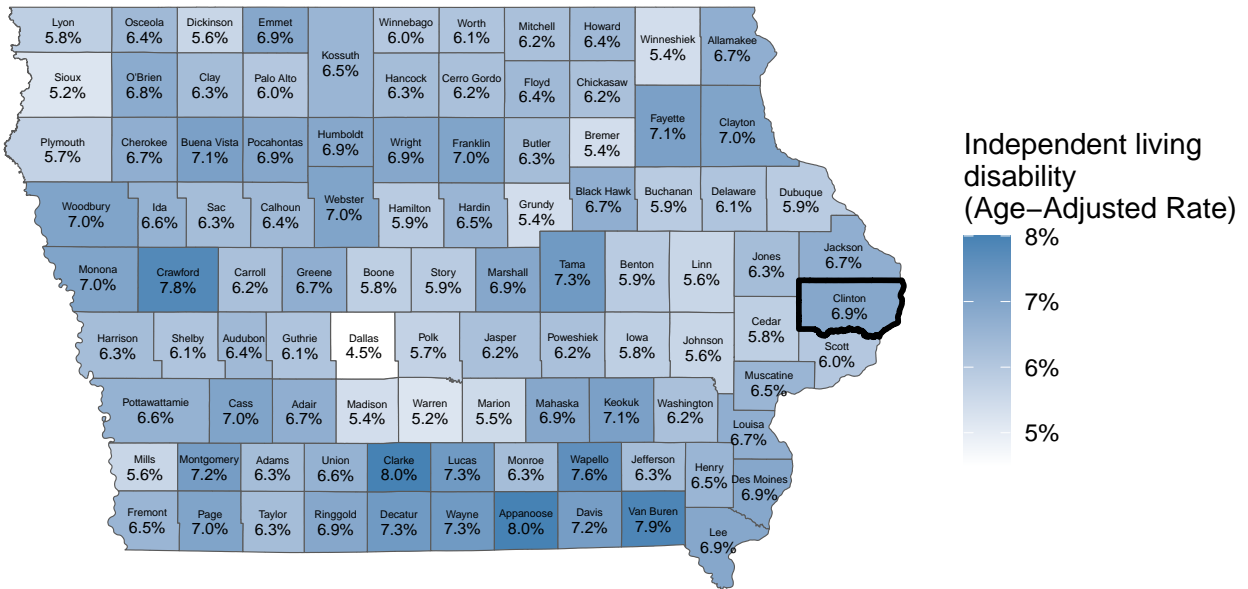
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Independent living disability

Independent living disability among adults aged ≥ 18 years



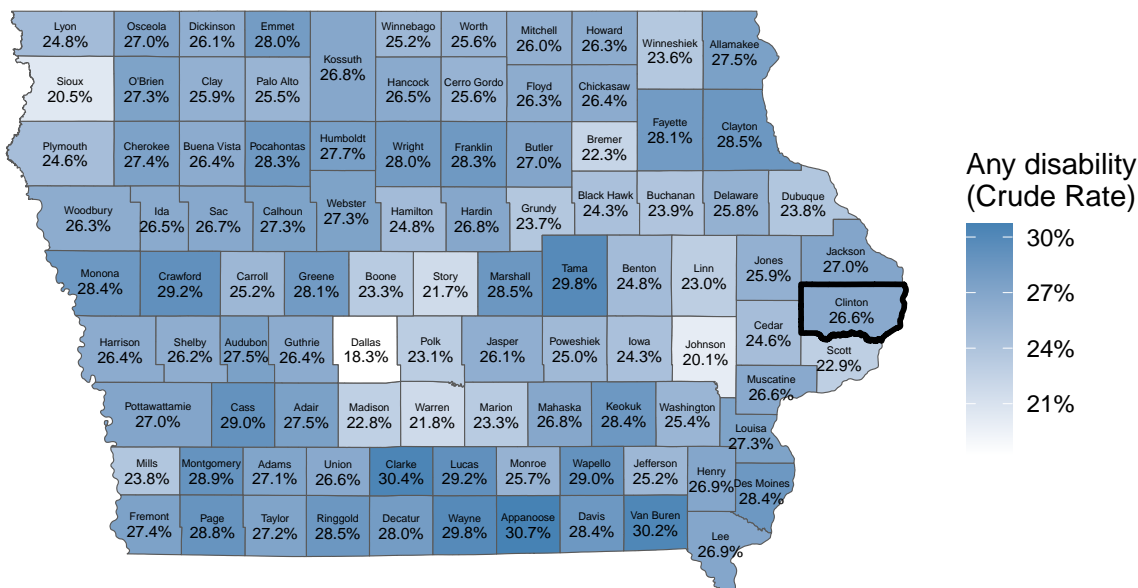
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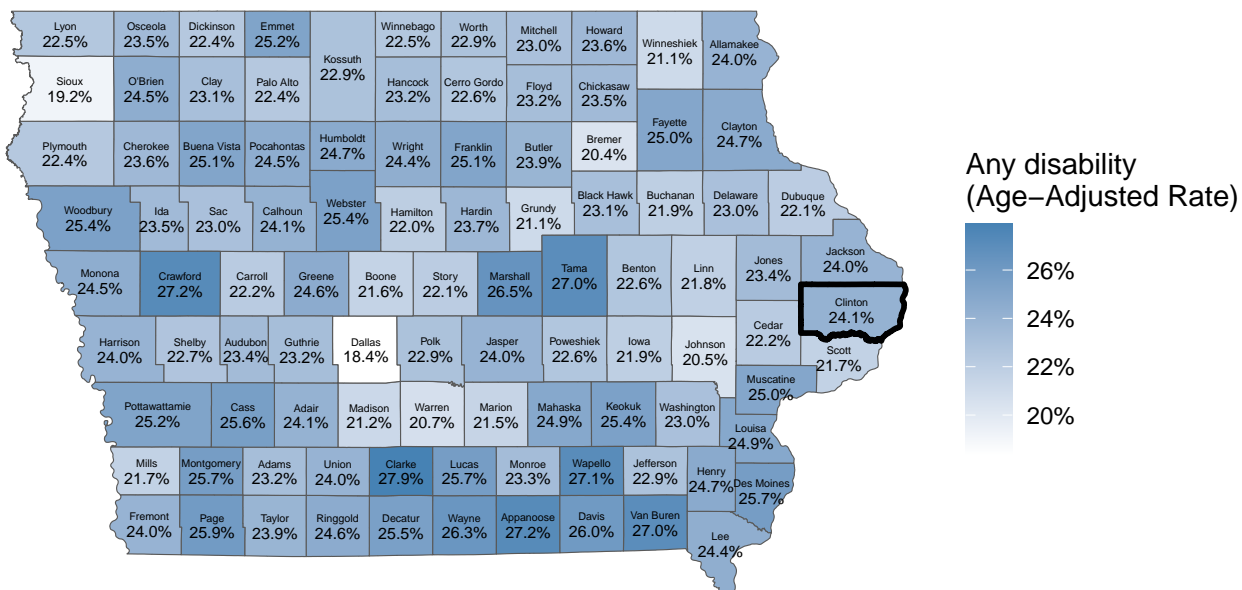
Data Source: CDC PLACES 2023 Release, BRFSS 2021

Any disability

Any disability among adults aged >=18 years



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Data Source: CDC PLACES 2023 Release, BRFSS 2021