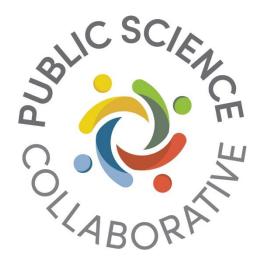


# **Iowa County Health Snapshot Series**

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**

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# **Health in Poweshiek County: Overview**

Dear Community Members & Stakeholders of Poweshiek County,

We are pleased to share the lowa County Health Snapshot series, a set of reports designed in partnership with lowa State University's Community Economic Development to assess the overall landscape of health and well-being across lowa's 99 counties. The following pages include the health snapshot for your county. The snapshot can be used to see how Poweshiek County ranks across various health measures compared to the rest of the state and similarly-sized counties. This comparison allows us to identify Poweshiek 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 lowa counties and counties of similar size to Poweshiek County. Crude rates tell you the raw, un-adjusted percent of the population experiencing the health measure. Age-adjusted rates account for the age distribution present in your county and presents what the rate would be if your county had a standard age distribution. Crude rates can provide a general comparison between counties and age-adjusted rates can give a fairer comparison between counties with different age structures.

# **Strengths**

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

	Crude		Age-Adjusted			
Health Domain	Statewide County Rank	Rural County Rank	Health Domain	Statewide County Rank	Rural County Rank	
Current Smoking	14th	3rd	Chronic Kidney Disease	17th	9th	
Diabetes	17th	6th	Annual Checkup	17th	6th	
Arthritis	18th	4th	Stroke	23rd	10th	
Obesity	18th	7th	Depression	25th	15th	
Physical Health	20th	6th	Binge Drinking	25th	14th	

# **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.

C	Crude		Age-Adjusted			
Health Domain	Statewide County Rank	Rural County Rank	Health Domain	Statewide County Rank	Rural County Rank	
Core preventive services for older men	91st	57th	Core preventive services for older men	91st	57th	
Mammography	90th	56th	Mammography	83rd	52nd	
Cholesterol Screening	87th	59th	Sleep <7 hours	73rd	47th	
Cervical Cancer Screening	78th	48th	Core preventive services for older women	56th	28th	
Sleep <7 hours	65th	45th	Dental Visit	47th	24th	

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 Poweshiek 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**

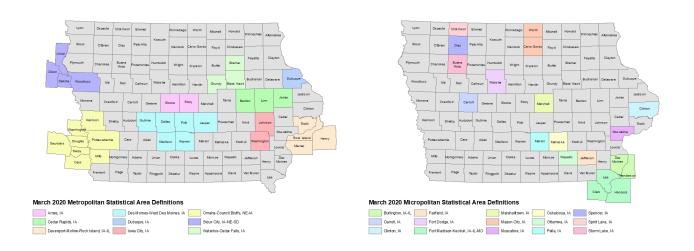
The purpose of the Iowa County Health Snapshot Series is to provide an overview of health in Poweshiek County that can be used to help inform health-related interventions and programming. This report contains five sections, including the overall health status of Poweshiek County, a review of risky behaviors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

With a population of 18,586, Poweshiek 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

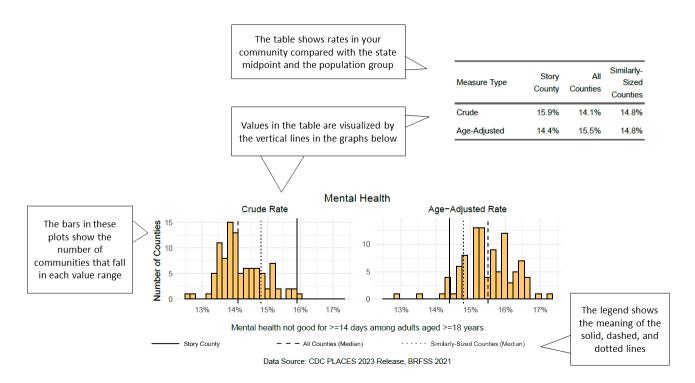
The counties included in each category above are determined by the United States Office of Management and Budget. Iowa has counties in nine metropolitan statistical areas and 15 micropolitan statistical areas. The counties identified as metropolitan and micropolitan can be found in the link and the maps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

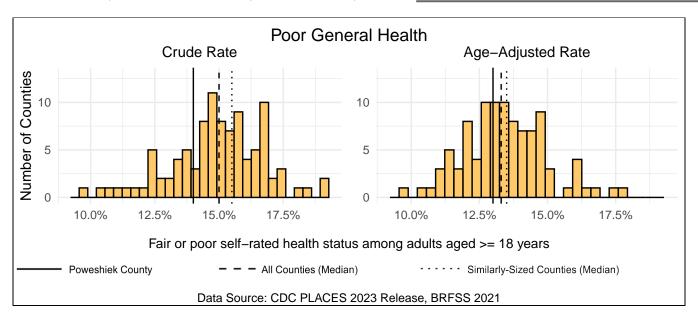
This section reflects measures for overall health, including general, physical, and mental health. These measures are a valuable way to see a simple summary of the health of a country's population. The questions to calculate these measures ask respondents to evaluate their health status. General health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

Poweshiek County has a crude rate of 14.0% for fair or poor self-rated health status among adults aged >= 18 years, which ranks 26th out of 99 lowa counties (11th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 13.0%, which ranks 37th out of 99 lowa counties (19th out of 63 similarly-sized counties).

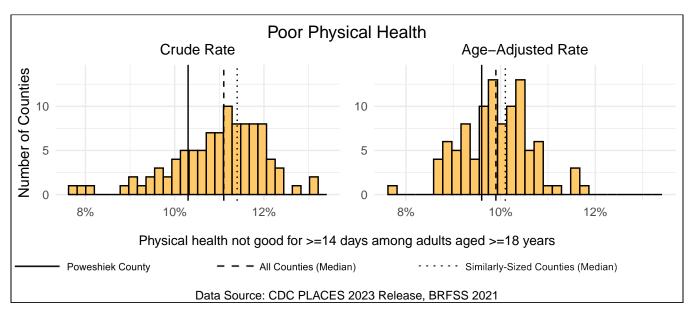
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	14.0%	15.0%	15.5%
Age-Adjusted	13.0%	13.3%	13.5%



# **Poor Physical Health**

Poweshiek County has a crude rate of 10.3% for physical health not good for >=14 days among adults aged >=18 years, which ranks 20th out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 9.6%, which ranks 29th out of 99 lowa counties (14th out of 63 similarly-sized counties).

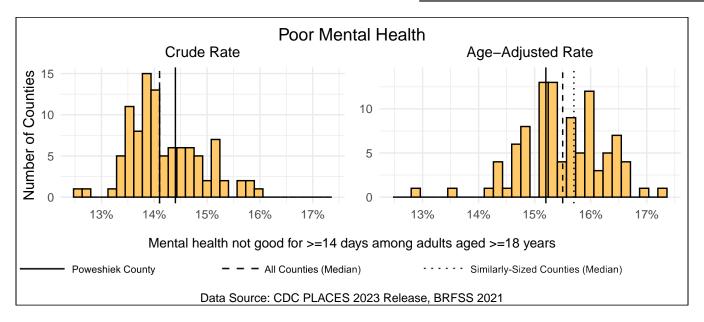
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	10.3%	11.1%	11.4%
Age-Adjusted	9.6%	9.9%	10.1%



#### **Poor Mental Health**

Poweshiek County has a crude rate of 14.4% for mental health not good for >=14 days among adults aged >=18 years, which ranks 64th out of 99 lowa counties (43rd out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 15.2%, which ranks 28th out of 99 lowa counties (11th out of 63 similarly-sized counties).

Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	14.4%	14.1%	14.1%
Age-Adjusted	15.2%	15.5%	15.7%



# **Health Risk Behaviors**

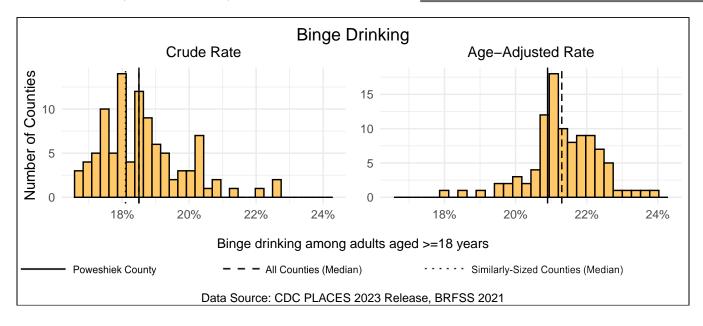
Health risk measures are measures of individual behaviors that can lead to poor health outcomes. These include binge drinking, current smoking, physical inactivity, and getting less than seven hours of nightly sleep. Risk behaviors are the most critical intervention points as they can help save lives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

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

# **Binge Drinking**

Poweshiek County has a crude rate of 18.5% for binge drinking among adults aged >=18 years, which ranks 47th out of 99 lowa counties (37th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 20.9%, which ranks 25th out of 99 lowa counties (14th out of 63 similarly-sized counties).

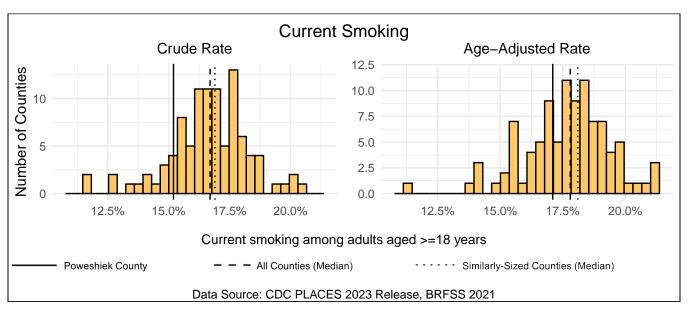
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	18.5%	18.5%	18.1%
Age-Adjusted	20.9%	21.3%	21.3%



# **Current Smoking**

Poweshiek County has a crude rate of 15.2% for current smoking among adults aged >=18 years, which ranks 14th out of 99 lowa counties (3rd out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 17.1%, which ranks 33rd out of 99 lowa counties (14th out of 63 similarly-sized counties).

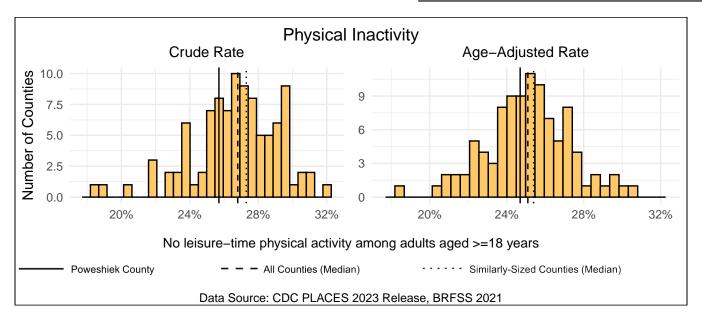
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	15.2%	16.7%	16.9%
Age-Adjusted	17.1%	17.8%	18.1%



# **Physical Inactivity**

Poweshiek County has a crude rate of 25.7% for no leisure-time physical activity among adults aged >=18 years, which ranks 28th out of 99 lowa counties (11th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 24.7%, which ranks 42nd out of 99 lowa counties (23rd out of 63 similarly-sized counties).

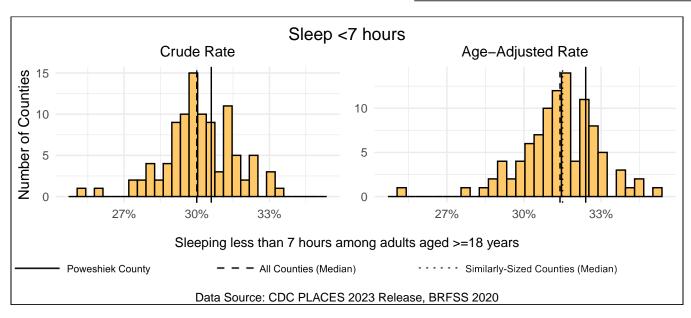
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	25.7%	26.8%	27.3%
Age-Adjusted	24.7%	25.1%	25.4%



# Sleep <7 hours

Poweshiek County has a crude rate of 30.6% for sleeping less than 7 hours among adults aged >=18 years, which ranks 65th out of 99 lowa counties (45th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 32.4%, which ranks 73rd out of 99 lowa counties (47th out of 63 similarly-sized counties).

Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	30.6%	30.0%	30.0%
Age-Adjusted	32.4%	31.4%	31.5%



# **Health Outcomes**

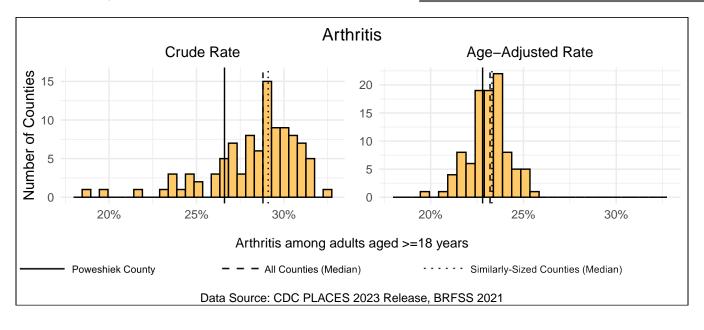
This section includes measures about specific health outcomes such as chronic illness, mental health conditions, and risk factors for future disease. Health outcome measures include but are not limited to arthritis, high blood pressure, cancer, depression, and obesity. Each measure is the percentage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

Poweshiek County has a crude rate of 26.6% for arthritis among adults aged >=18 years, which ranks 18th out of 99 lowa counties (4th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 22.8%, which ranks 38th out of 99 lowa counties (20th out of 63 similarly-sized counties).

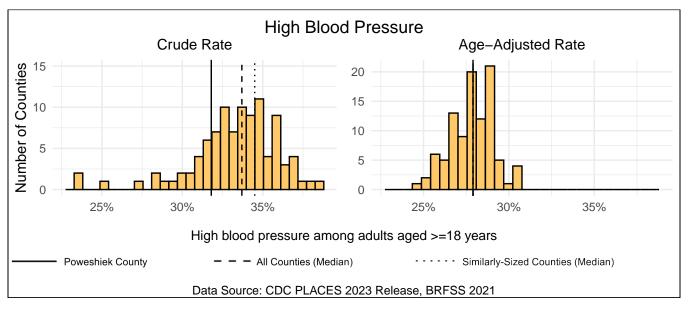
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	26.6%	28.8%	29.1%
Age-Adjusted	22.8%	23.2%	23.3%



# **High Blood Pressure**

Poweshiek County has a crude rate of 31.8% for high blood pressure among adults aged >=18 years, which ranks 22nd out of 99 lowa counties (5th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 27.9%, which ranks 47th out of 99 lowa counties (28th out of 63 similarly-sized counties).

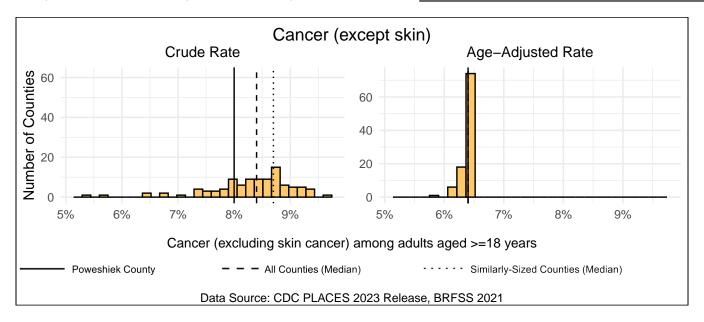
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	31.8%	33.7%	34.5%
Age-Adjusted	27.9%	27.9%	27.9%



### Cancer (except skin)

Poweshiek County has a crude rate of 8.0% for cancer (excluding skin cancer) among adults aged >=18 years, which ranks 27th out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 6.4%, which ranks 26th out of 99 lowa counties (14th out of 63 similarly-sized counties).

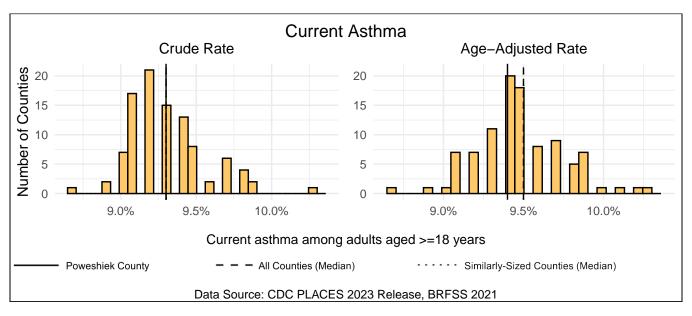
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	8.0%	8.4%	8.7%
Age-Adjusted	6.4%	6.4%	6.4%



#### **Current Asthma**

Poweshiek County has a crude rate of 9.3% for current asthma among adults aged >=18 years, which ranks 49th out of 99 lowa counties (29th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 9.4%, which ranks 29th out of 99 lowa counties (12th out of 63 similarly-sized counties).

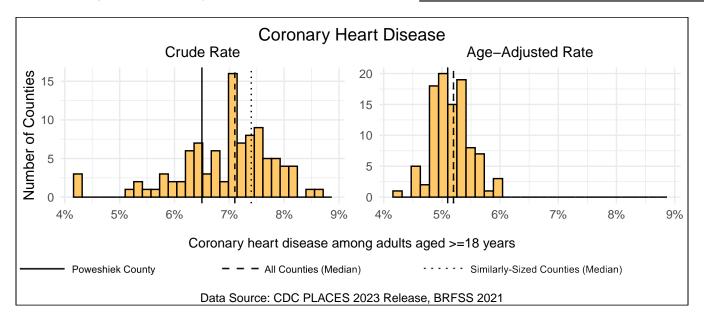
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	9.3%	9.3%	9.3%
Age-Adjusted	9.4%	9.5%	9.5%



# **Coronary Heart Disease**

Poweshiek County has a crude rate of 6.5% for coronary heart disease among adults aged >=18 years, which ranks 24th out of 99 lowa counties (7th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 5.1%, which ranks 33rd out of 99 lowa counties (15th out of 63 similarly-sized counties).

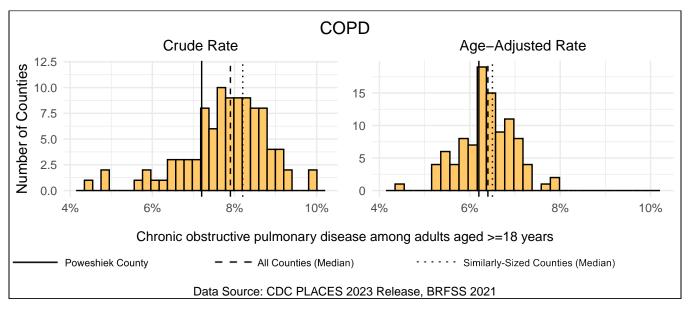
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	6.5%	7.1%	7.4%
Age-Adjusted	5.1%	5.2%	5.2%



#### COPD

Poweshiek County has a crude rate of 7.2% for chronic obstructive pulmonary disease among adults aged >=18 years, which ranks 21st out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 6.2%, which ranks 31st out of 99 lowa counties (14th out of 63 similarly-sized counties).

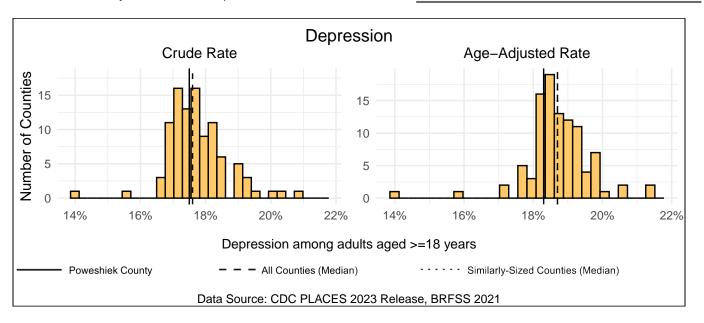
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	7.2%	7.9%	8.2%
Age-Adjusted	6.2%	6.4%	6.5%



### **Depression**

Poweshiek County has a crude rate of 17.5% for depression among adults aged >=18 years, which ranks 41st out of 99 lowa counties (31st out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 18.3%, which ranks 25th out of 99 lowa counties (15th out of 63 similarly-sized counties).

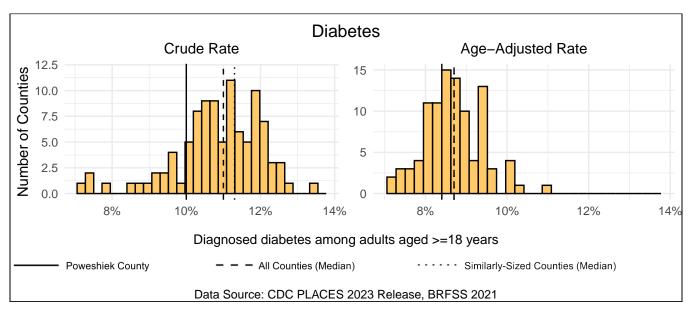
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	17.5%	17.6%	17.5%
Age-Adjusted	18.3%	18.7%	18.7%



#### **Diabetes**

Poweshiek County has a crude rate of 10.0% for diagnosed diabetes among adults aged >=18 years, which ranks 17th out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 8.4%, which ranks 35th out of 99 lowa counties (19th out of 63 similarly-sized counties).

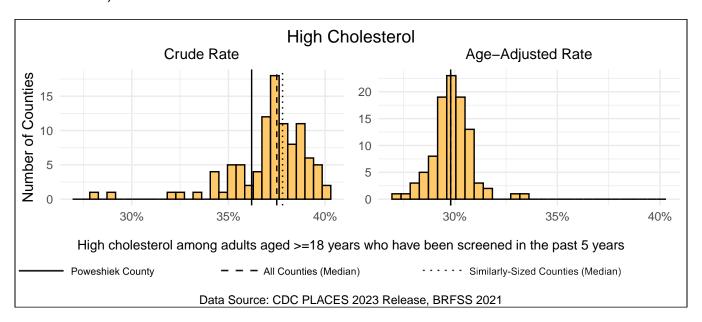
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	10.0%	11.0%	11.3%
Age-Adjusted	8.4%	8.7%	8.7%



# **High Cholesterol**

Poweshiek County has a crude rate of 36.2% for high cholesterol among adults aged >=18 years who have been screened in the past 5 years, which ranks 22nd out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 29.8%, which ranks 47th out of 99 lowa counties (28th out of 63 similarly-sized counties).

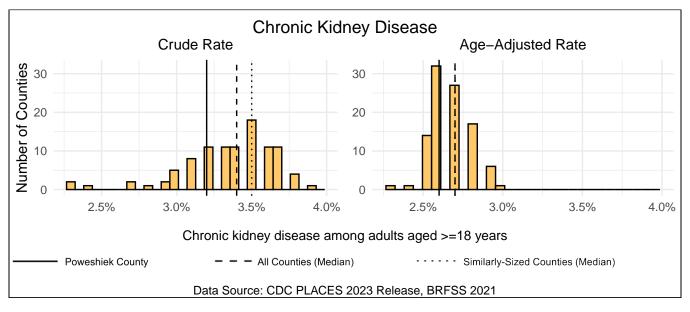
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	36.2%	37.5%	37.8%
Age-Adjusted	29.8%	29.8%	29.8%



# **Chronic Kidney Disease**

Poweshiek County has a crude rate of 3.2% for chronic kidney disease among adults aged >=18 years, which ranks 22nd out of 99 lowa counties (7th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 2.6%, which ranks 17th out of 99 lowa counties (9th out of 63 similarly-sized counties).

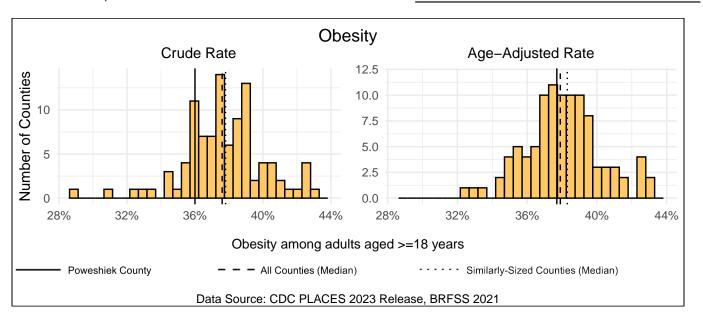
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	3.2%	3.4%	3.5%
Age-Adjusted	2.6%	2.7%	2.7%



### Obesity

Poweshiek County has a crude rate of 36.0% for obesity among adults aged >=18 years, which ranks 18th out of 99 lowa counties (7th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 37.7%, which ranks 43rd out of 99 lowa counties (21st out of 63 similarly-sized counties).

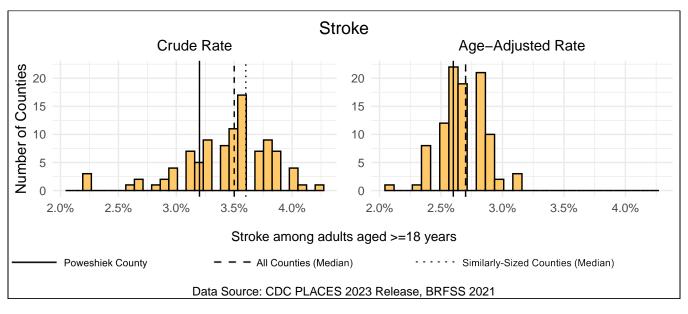
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	36.0%	37.6%	37.8%
Age-Adjusted	37.7%	37.9%	38.3%



#### **Stroke**

Poweshiek County has a crude rate of 3.2% for stroke among adults aged >=18 years, which ranks 21st out of 99 lowa counties (6th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 2.6%, which ranks 23rd out of 99 lowa counties (10th out of 63 similarly-sized counties).

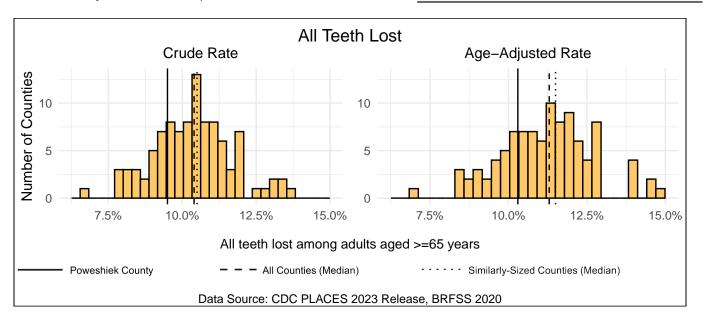
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	3.2%	3.5%	3.6%
Age-Adjusted	2.6%	2.7%	2.7%



#### **All Teeth Lost**

Poweshiek County has a crude rate of 9.5% for all teeth lost among adults aged >=65 years, which ranks 25th out of 99 lowa counties (11th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 10.3%, which ranks 25th out of 99 lowa counties (11th out of 63 similarly-sized counties).

Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	9.5%	10.4%	10.5%
Age-Adjusted	10.3%	11.3%	11.5%



# **Prevention**

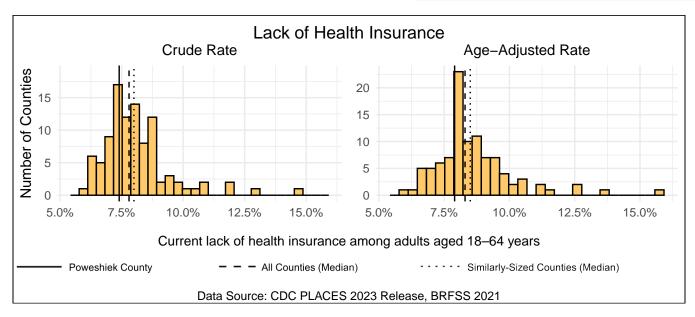
Preventive measures are another practical intervention point for public health professionals as they allow for the early detection of health conditions and improve overall treatment efficacy. This section includes a review of your county's prevention measures, including preventive screenings and doctor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

Poweshiek County has a crude rate of 7.4% for current lack of health insurance among adults aged 18–64 years, which ranks 27th out of 99 lowa counties (13th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 7.9%, which ranks 26th out of 99 lowa counties (12th out of 63 similarly-sized counties).

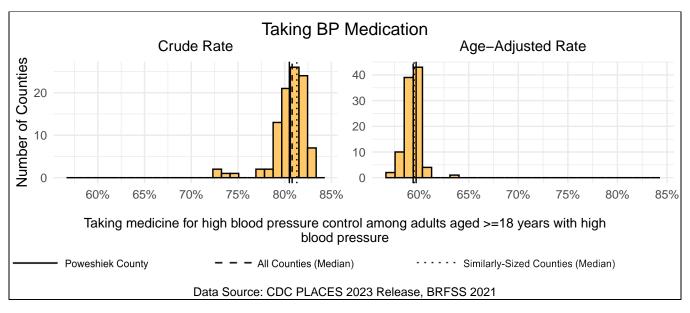
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	7.4%	7.8%	8.0%
Age-Adjusted	7.9%	8.3%	8.5%



# **Taking BP Medication**

Poweshiek County has a crude rate of 80.5% for taking medicine for high blood pressure control among adults aged >=18 years with high blood pressure, which ranks 61st out of 99 lowa counties (49th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 59.7%, which ranks 28th out of 99 lowa counties (15th out of 63 similarly-sized counties).

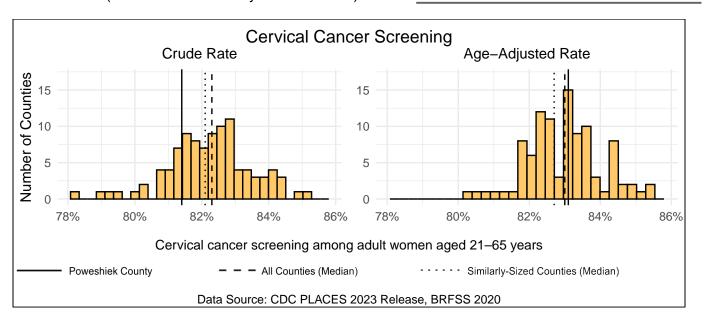
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	80.5%	80.8%	81.3%
Age-Adjusted	59.7%	59.4%	59.5%



# **Cervical Cancer Screening**

Poweshiek County has a crude rate of 81.4% for cervical cancer screening among adult women aged 21–65 years, which ranks 78th out of 99 lowa counties (48th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 83.1%, which ranks 43rd out of 99 lowa counties (20th out of 63 similarly-sized counties).

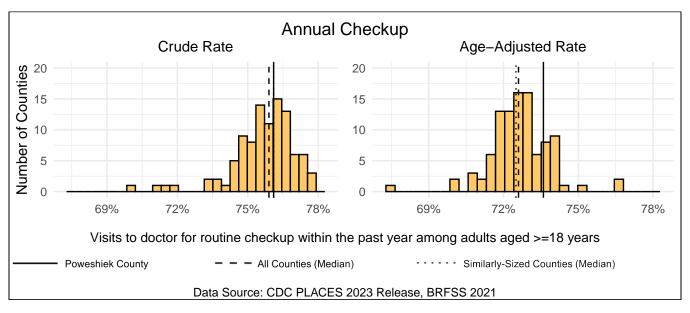
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	81.4%	82.3%	82.1%
Age-Adjusted	83.1%	83.0%	82.7%



# **Annual Checkup**

Poweshiek County has a crude rate of 76.1% for visits to doctor for routine checkup within the past year among adults aged >=18 years, which ranks 38th out of 99 lowa counties (28th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 73.6%, which ranks 17th out of 99 lowa counties (6th out of 63 similarly-sized counties).

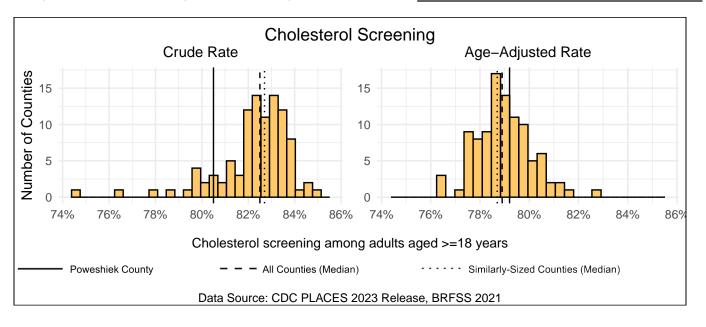
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	76.1%	75.9%	76.1%
Age-Adjusted	73.6%	72.6%	72.5%



# **Cholesterol Screening**

Poweshiek County has a crude rate of 80.5% for cholesterol screening among adults aged >=18 years, which ranks 87th out of 99 lowa counties (59th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 79.2%, which ranks 39th out of 99 lowa counties (16th out of 63 similarly-sized counties).

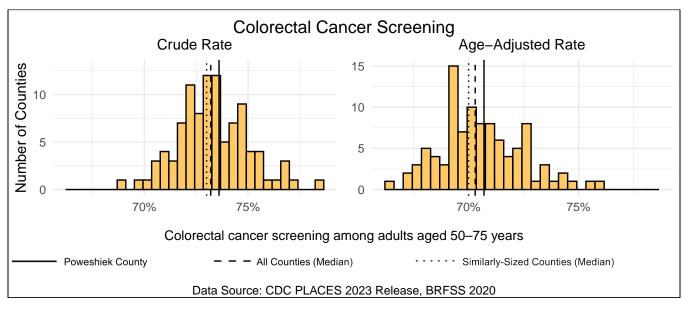
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	80.5%	82.5%	82.7%
Age-Adjusted	79.2%	78.9%	78.7%



# **Colorectal Cancer Screening**

Poweshiek County has a crude rate of 73.6% for colorectal cancer screening among adults aged 50–75 years, which ranks 37th out of 99 lowa counties (20th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 70.7%, which ranks 42nd out of 99 lowa counties (21st out of 63 similarly-sized counties).

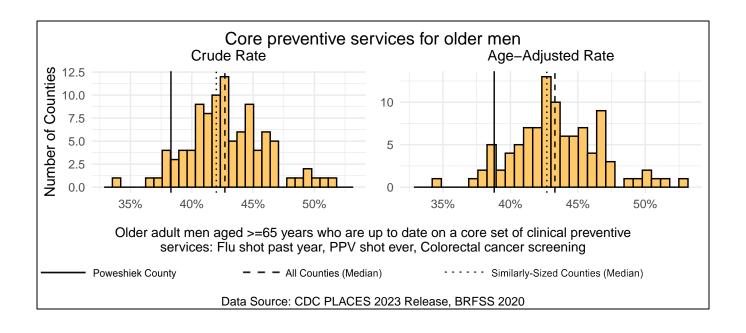
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	73.6%	73.2%	73.0%
Age-Adjusted	70.7%	70.3%	70.0%



### Core preventive services for older men

Poweshiek County has a crude rate of 38.3% 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 91st out of 99 lowa counties (57th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 38.8%, which ranks 91st out of 99 lowa counties (57th out of 63 similarly-sized counties).

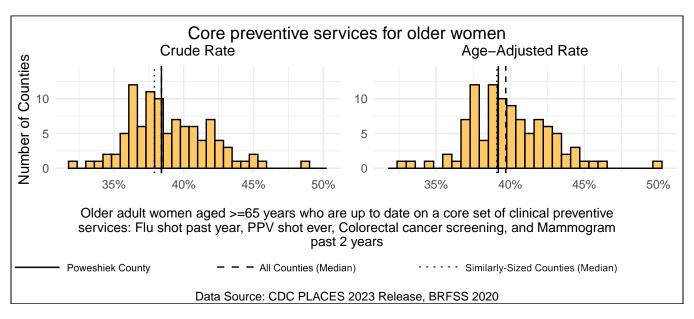
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	38.3%	42.7%	42.0%
Age-Adjusted	38.8%	43.3%	42.7%



# Core preventive services for older women

Poweshiek County has a crude rate of 38.4% 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 50th out of 99 lowa counties (23rd out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 39.2%, which ranks 56th out of 99 lowa counties (28th out of 63 similarly-sized counties).

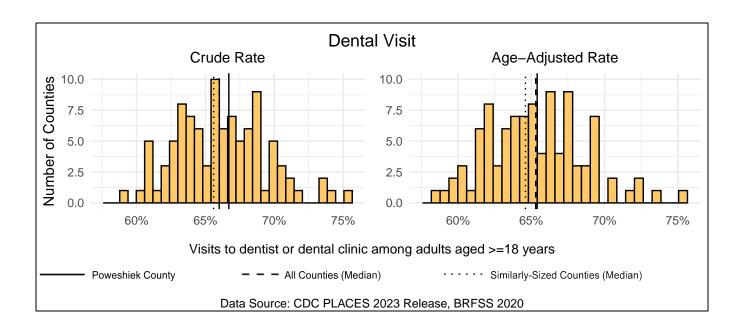
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	38.4%	38.4%	37.9%
Age-Adjusted	39.2%	39.7%	39.1%



#### **Dental Visit**

Poweshiek County has a crude rate of 66.7% for visits to dentist or dental clinic among adults aged >=18 years, which ranks 42nd out of 99 lowa counties (21st out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 65.4%, which ranks 47th out of 99 lowa counties (24th out of 63 similarly-sized counties).

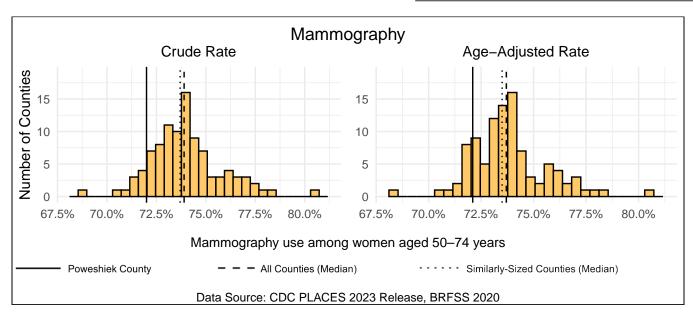
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	66.7%	66.0%	65.6%
Age-Adjusted	65.4%	65.3%	64.6%



# **Mammography**

Poweshiek County has a crude rate of 72.0% for mammography use among women aged 50–74 years, which ranks 90th out of 99 lowa counties (56th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 72.1%, which ranks 83rd out of 99 lowa counties (52nd out of 63 similarly-sized counties).

Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	72.0%	73.9%	73.7%
Age-Adjusted	72.1%	73.7%	73.5%



# **Disability**

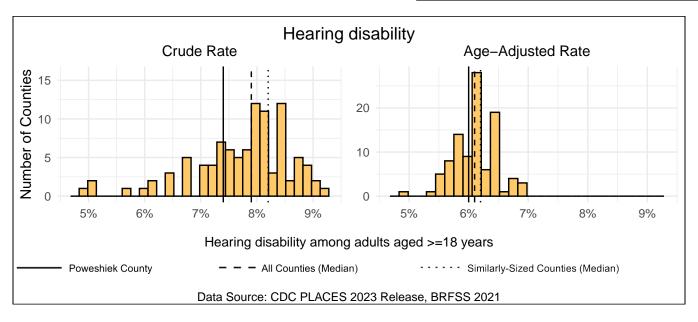
This section includes measures of physical and cognitive disabilities. Respondents were asked to report on six disabilities: hearing, vision, cognition, mobility, self-care, and independent living. The final measure reports the rate of respondents that answered yes to any of the previous six disabilities.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

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

# **Hearing disability**

Poweshiek County has a crude rate of 7.4% for hearing disability among adults aged >=18 years, which ranks 29th out of 99 lowa counties (9th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 6.0%, which ranks 30th out of 99 lowa counties (13th out of 63 similarly-sized counties).

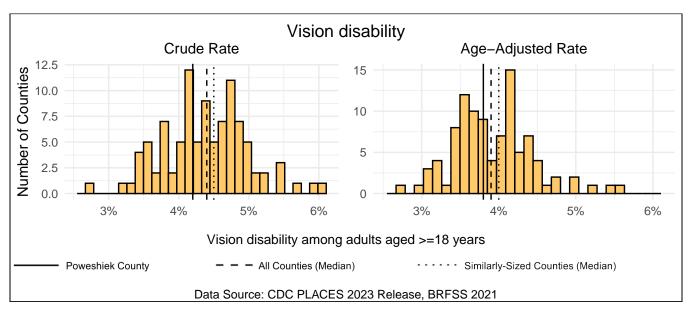
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties
Crude	7.4%	7.9%	8.2%
Age-Adjusted	6.0%	6.1%	6.2%



# Vision disability

Poweshiek 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 Poweshiek County is 3.8%, which ranks 41st out of 99 lowa counties (20th out of 63 similarly-sized counties).

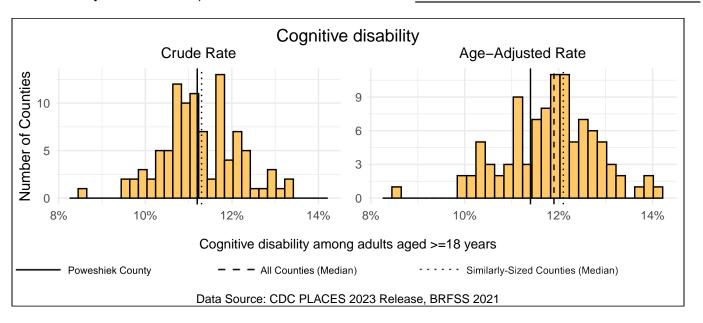
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties	
Crude	4.2%	4.4%	4.5%	
Age-Adjusted	3.8%	3.9%	4.0%	



# Cognitive disability

Poweshiek County has a crude rate of 11.2% for cognitive disability among adults aged >=18 years, which ranks 48th out of 99 lowa counties (26th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 11.4%, which ranks 29th out of 99 lowa counties (13th out of 63 similarly-sized counties).

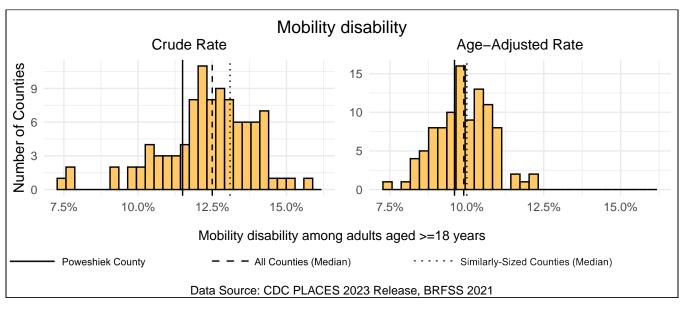
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties	
Crude	11.2%	11.2%	11.3%	
Age-Adjusted	11.4%	11.9%	12.1%	



# **Mobility disability**

Poweshiek County has a crude rate of 11.5% for mobility disability among adults aged >=18 years, which ranks 23rd out of 99 lowa counties (8th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 9.6%, which ranks 33rd out of 99 lowa counties (16th out of 63 similarly-sized counties).

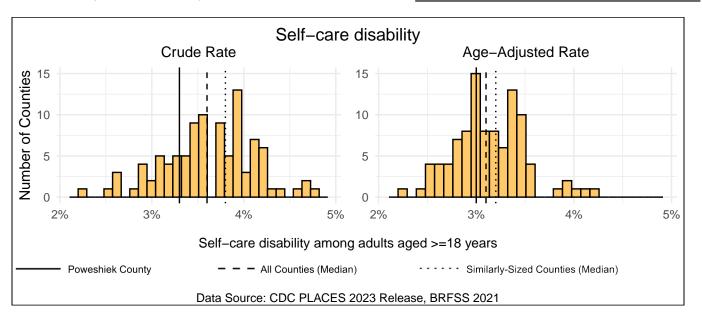
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties	
Crude	11.5%	12.5%	13.1%	
Age-Adjusted	9.6%	9.9%	10.0%	



# Self-care disability

Poweshiek County has a crude rate of 3.3% for self-care disability among adults aged >=18 years, which ranks 22nd out of 99 lowa counties (8th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 3.0%, which ranks 30th out of 99 lowa counties (15th out of 63 similarly-sized counties).

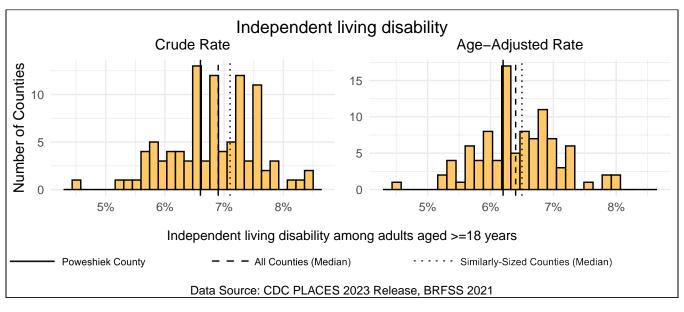
Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties	
Crude	3.3%	3.6%	3.8%	
Age-Adjusted	3.0%	3.1%	3.2%	



# Independent living disability

Poweshiek 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 similarly-sized counties). The age-adjusted rate for Poweshiek County is 6.2%, which ranks 31st out of 99 lowa counties (15th out of 63 similarly-sized counties).

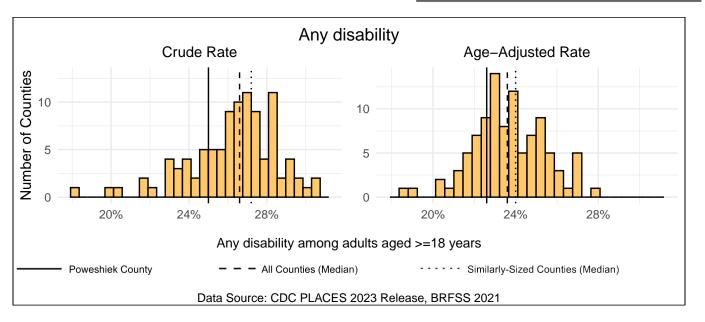
Measure Type	Poweshiek All County Counties		Similarly- Sized Counties	
Crude	6.6%	6.9%	7.1%	
Age-Adjusted	6.2%	6.4%	6.5%	



# Any disability

Poweshiek County has a crude rate of 25.0% for any disability among adults aged >=18 years, which ranks 25th out of 99 lowa counties (10th out of 63 similarly-sized counties). The age-adjusted rate for Poweshiek County is 22.6%, which ranks 26th out of 99 lowa counties (12th out of 63 similarly-sized counties).

Measure Type	Poweshiek County	All Counties	Similarly- Sized Counties	
Crude	25.0%	26.6%	27.2%	
Age-Adjusted	22.6%	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: Poweshiek 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	64	14.4% (12.2% - 16.7%)	28	15.2% (12.9% - 17.7%)
Health Status	Physical Health	20	10.3% (8.7% - 12.0%)	29	9.6% (8.2% - 11.3%)
Health Status	General Health	26	14.0% (11.6% - 16.7%)	37	13.0% (10.8% - 15.4%)
Health Risk Behaviors	Current Smoking	14	15.2% (11.9% - 18.7%)	33	17.1% (13.3% - 21.2%)
Health Risk Behaviors	Binge Drinking	47	18.5% (15.4% - 22.1%)	25	20.9% (17.3% - 24.8%)
Health Risk Behaviors	Sleep <7 hours	65	30.6% (29.0% - 32.2%)	73	32.4% (30.7% - 34.1%)
Health Risk Behaviors	Physical Inactivity	28	25.7% (21.0% - 30.9%)	42	24.7% (20.1% - 29.4%)
Health Outcomes	Stroke	21	3.2% (2.8% - 3.7%)	23	2.6% (2.3% - 3.0%)
Health Outcomes	Current Asthma	49	9.3% (8.1% - 10.6%)	29	9.4% (8.3% - 10.7%)
Health Outcomes	Chronic Kidney Disease	22	3.2% (2.8% - 3.5%)	17	2.6% (2.4% - 2.9%)
Health Outcomes	All Teeth Lost	25	9.5% (6.0% - 13.8%)	25	10.3% (6.6% - 14.7%)
Health Outcomes	High Cholesterol	22	36.2% (31.9% - 41.0%)	47	29.8% (25.5% - 34.5%)
Health Outcomes	Depression	41	17.5% (14.2% - 21.1%)	25	18.3% (14.9% - 22.0%)
Health Outcomes	COPD	21	7.2% (5.8% - 8.6%)	31	6.2% (5.1% - 7.3%)
Health Outcomes	High Blood Pressure	22	31.8% (27.8% - 35.9%)	47	27.9% (24.1% - 31.8%)
Health Outcomes	Diabetes	17	10.0% (8.4% - 11.6%)	35	8.4% (7.1% - 9.8%)
Health Outcomes	Arthritis	18	26.6% (22.6% - 30.6%)	38	22.8% (19.2% - 26.5%)
Health Outcomes	Coronary Heart Disease	24	6.5% (5.6% - 7.5%)	33	5.1% (4.4% - 5.7%)
Health Outcomes	Obesity	18	36.0% (28.7% - 43.7%)	43	37.7% (30.1% - 45.4%)
Health Outcomes	Cancer (except skin)	27	8.0% (7.2% - 8.8%)	26	6.4% (5.7% - 7.1%)
Prevention	Taking BP Medication	61	80.5% (77.6% - 83.2%)	28	59.7% (55.0% - 64.6%)
Prevention	Mammography	90	72.0% (67.4% - 76.6%)	83	72.1% (67.0% - 76.8%)
Prevention	Core preventive services for older men	91	38.3% (30.3% - 46.8%)	91	38.8% (31.0% - 47.6%)
Prevention	Health Insurance	27	7.4% (5.6% - 9.6%)	26	7.9% (5.9% - 10.1%)
Prevention	Cervical Cancer Screening	78	81.4% (78.8% - 84.1%)	43	83.1% (80.7% - 85.6%)
Prevention	Cholesterol Screening	87	80.5% (77.3% - 83.7%)	39	79.2% (75.7% - 82.6%)

Category	Health Domain	Crude Rate Rank	Crude Rate (95% CI)	Age-Adj. Rate Rank	Age-Adj. Rate (95% CI)
Prevention	Colorectal Cancer Screening	37	73.6% (70.6% - 76.6%)	42	70.7% (67.3% - 73.9%)
Prevention	Dental Visit	42	66.7% (63.2% - 70.3%)	47	65.4% (62.0% - 69.4%)
Prevention	Annual Checkup	38	76.1% (71.4% - 80.6%)	17	73.6% (68.5% - 78.5%)
Prevention	Core preventive services for older women	50	38.4% (30.9% - 46.7%)	56	39.2% (31.7% - 47.3%)
Disability	Mobility Disability	23	11.5% (9.4% - 13.5%)	33	9.6% (8.0% - 11.3%)
Disability	Any Disability	25	25.0% (21.2% - 29.1%)	26	22.6% (19.2% - 26.6%)
Disability	Self-care Disability	22	3.3% (2.8% - 3.9%)	30	3.0% (2.6% - 3.5%)
Disability	Hearing Disability	29	7.4% (6.4% - 8.4%)	30	6.0% (5.2% - 6.8%)
Disability	Cognitive Disability	48	11.2% (9.3% - 13.3%)	29	11.4% (9.5% - 13.4%)
Disability	Vision Disability	31	4.2% (3.5% - 4.9%)	41	3.8% (3.2% - 4.4%)
Disability	Independent Living Disability	33	6.6% (5.5% - 7.8%)	31	6.2% (5.2% - 7.4%)

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

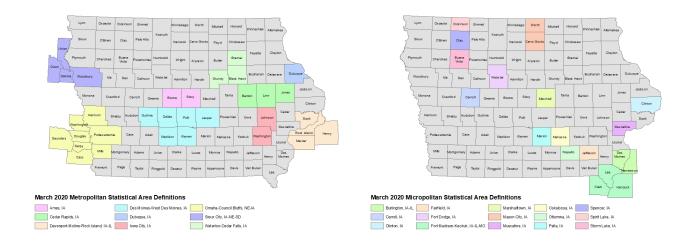
# **Appendix 3: Rural Counties**

Poweshiek 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.

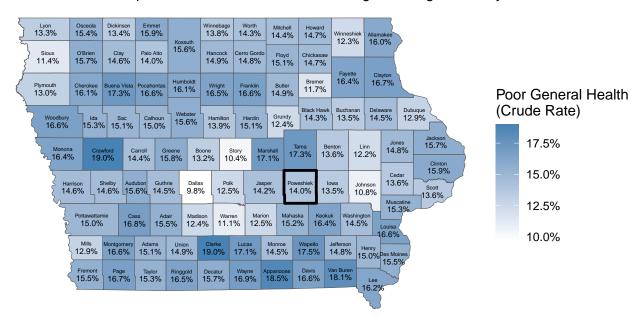
# https://www.icip.iastate.edu/maps/refmaps/cofips



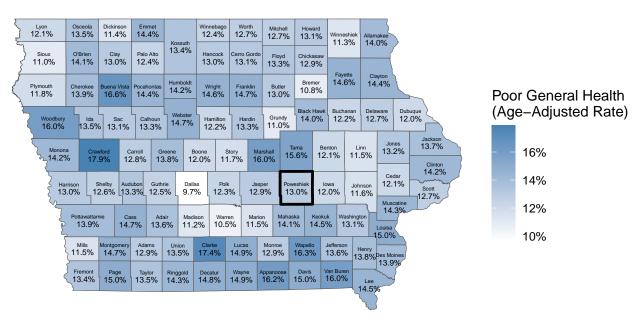
# **Appendix 4: County Maps**

Poor General Health

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

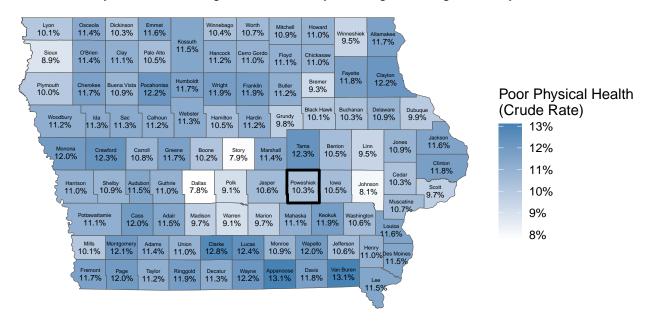


Data Source: CDC PLACES 2023 Release, BRFSS 2021

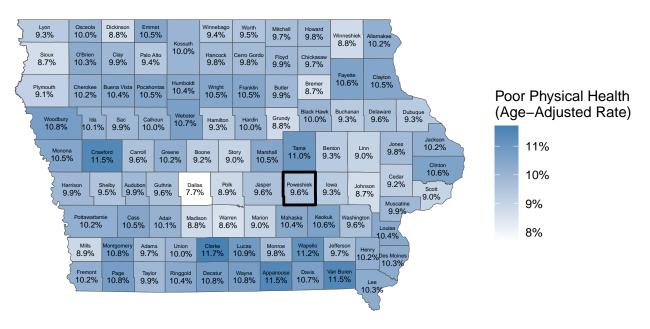


### Poor Physical Health

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

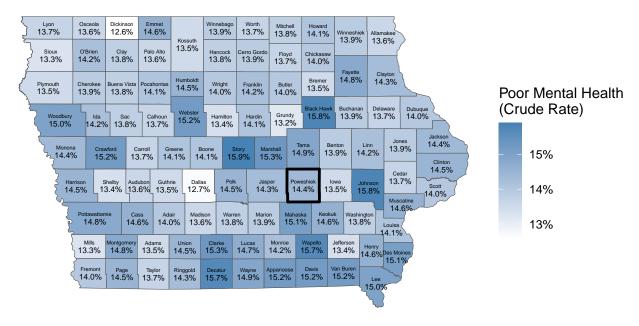


Data Source: CDC PLACES 2023 Release, BRFSS 2021

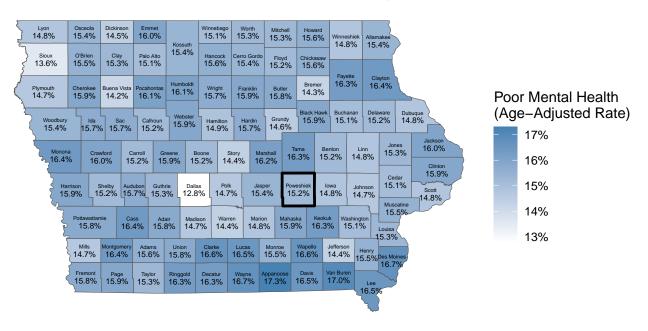


#### Poor Mental Health

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

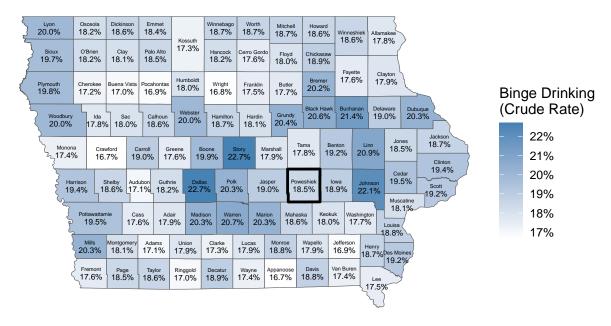


Data Source: CDC PLACES 2023 Release, BRFSS 2021

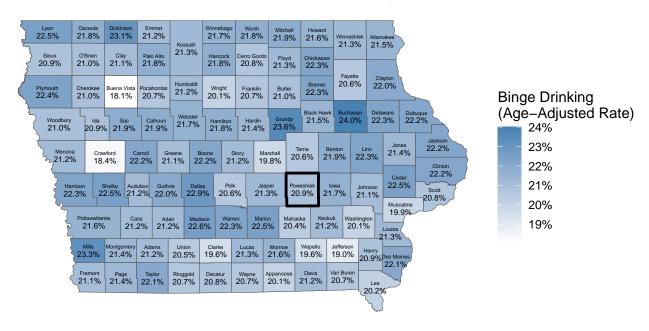


Binge Drinking

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

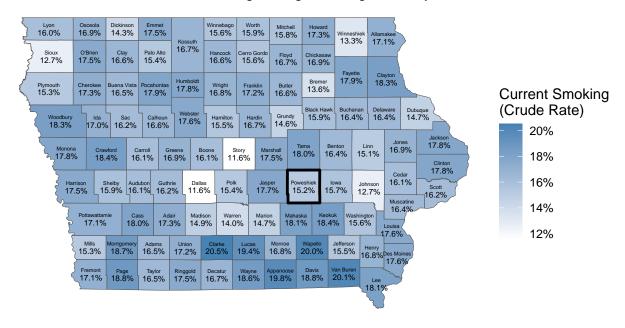


Data Source: CDC PLACES 2023 Release, BRFSS 2021

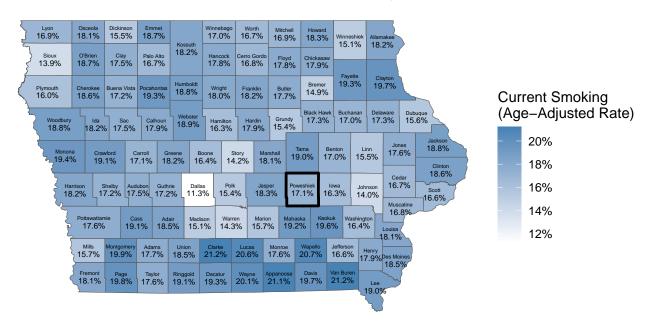


### **Current Smoking**

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

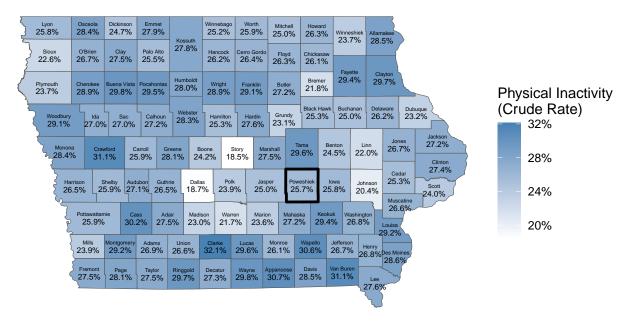


Data Source: CDC PLACES 2023 Release, BRFSS 2021

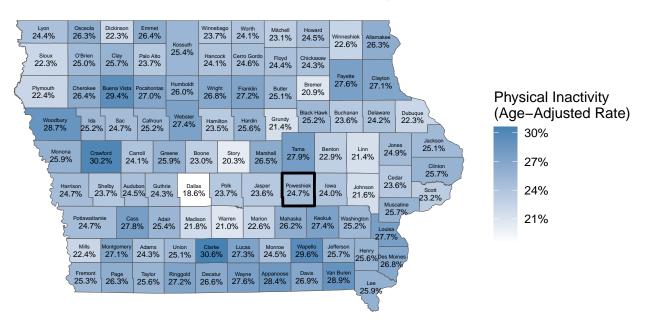


#### **Physical Inactivity**

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

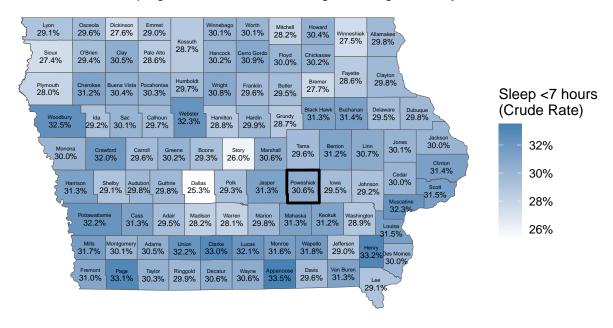


Data Source: CDC PLACES 2023 Release, BRFSS 2021

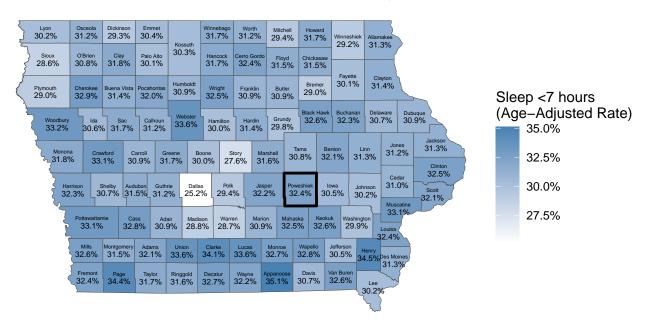


Sleep <7 hours

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

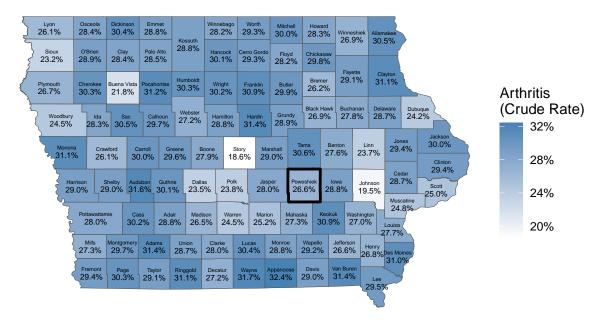


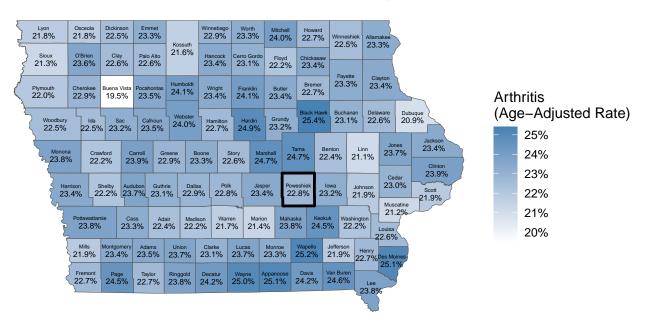
Data Source: CDC PLACES 2023 Release, BRFSS 2020



Arthritis

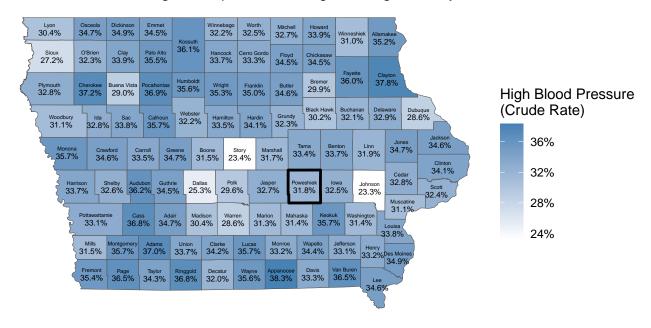
Arthritis among adults aged >=18 years



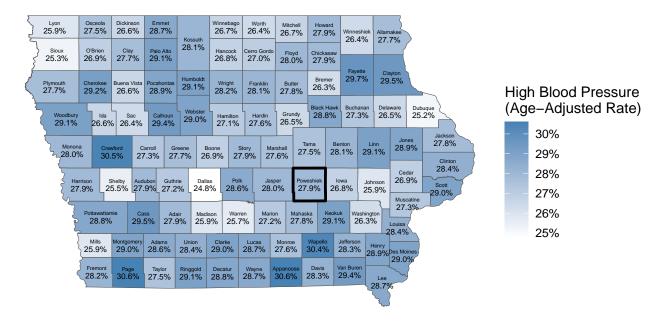


## High Blood Pressure

High blood pressure among adults aged >=18 years

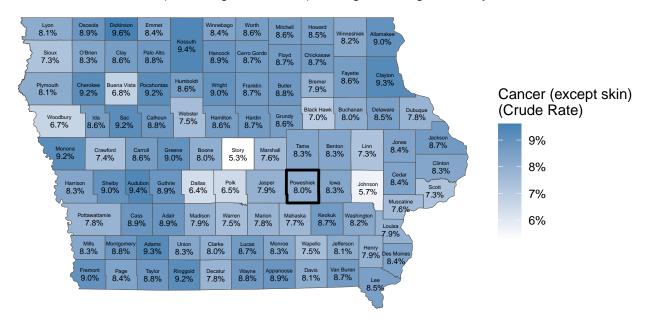


Data Source: CDC PLACES 2023 Release, BRFSS 2021

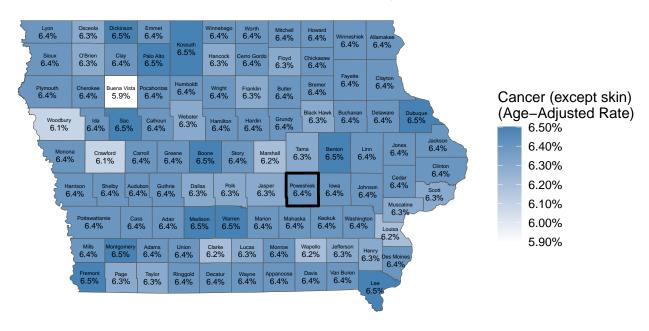


## Cancer (except skin)

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

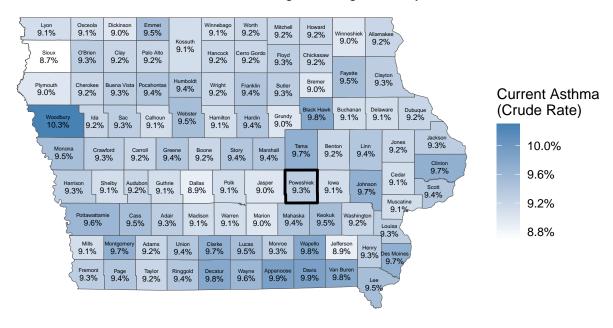


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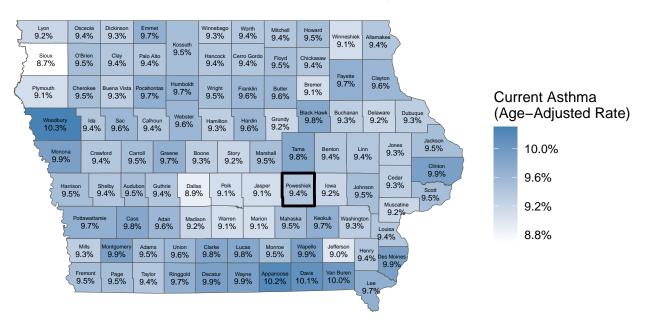


#### **Current Asthma**

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

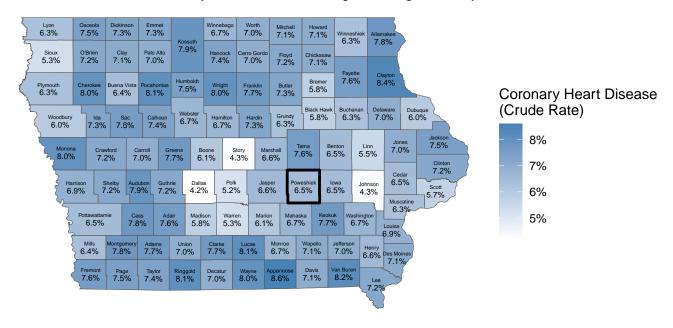


Data Source: CDC PLACES 2023 Release, BRFSS 2021

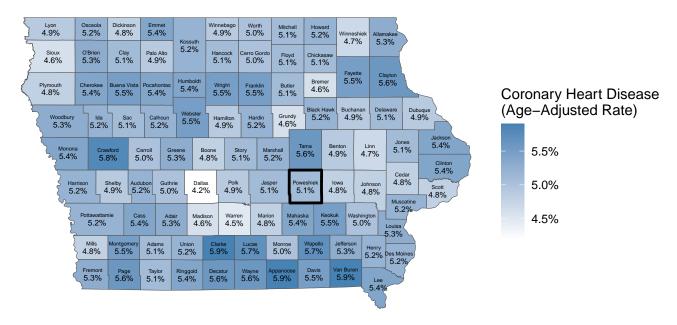


#### **Coronary Heart Disease**

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

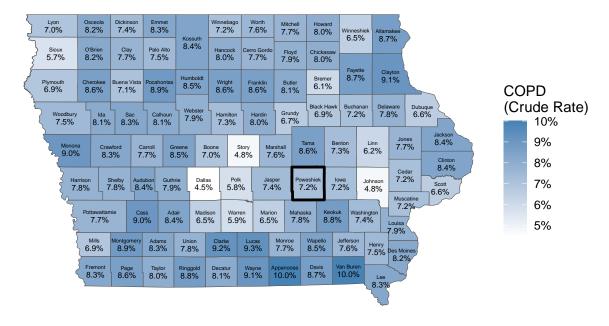


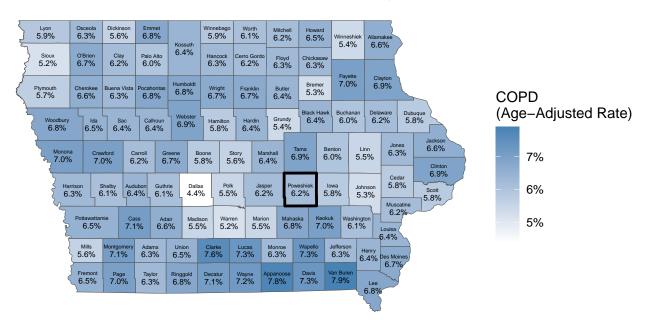
Data Source: CDC PLACES 2023 Release, BRFSS 2021



COPD

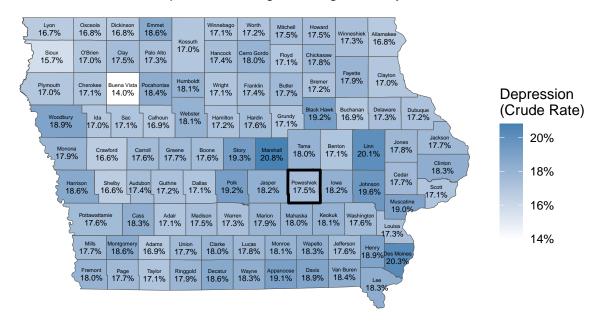
Chronic obstructive pulmonary disease among adults aged >=18 years



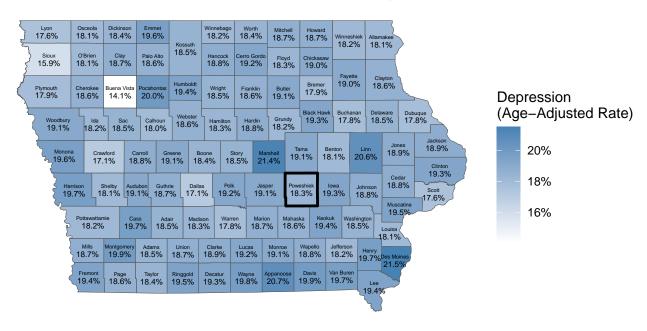


Depression

#### Depression among adults aged >=18 years

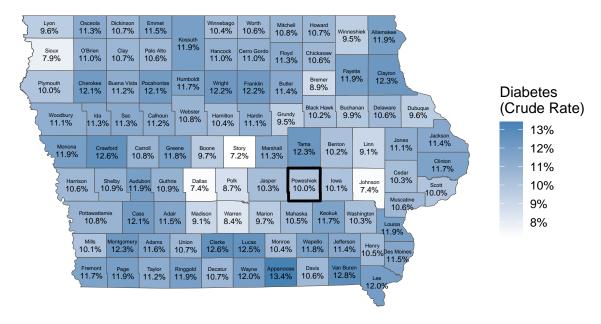


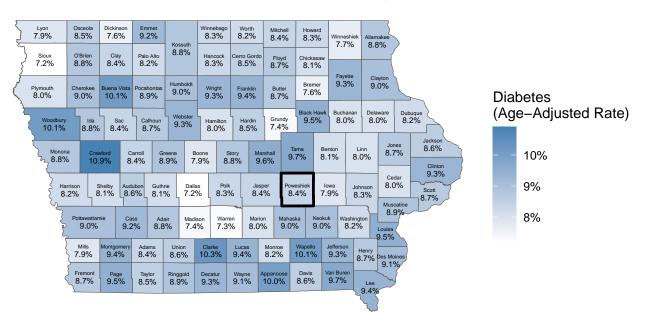
Data Source: CDC PLACES 2023 Release, BRFSS 2021



Diabetes

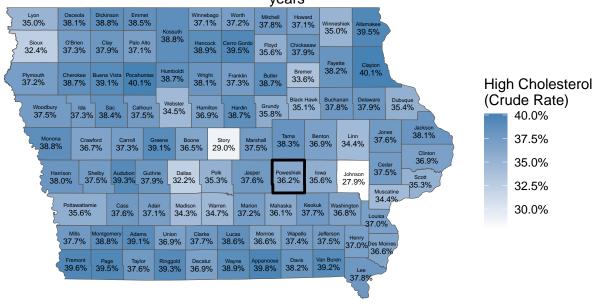
Diagnosed diabetes among adults aged >=18 years



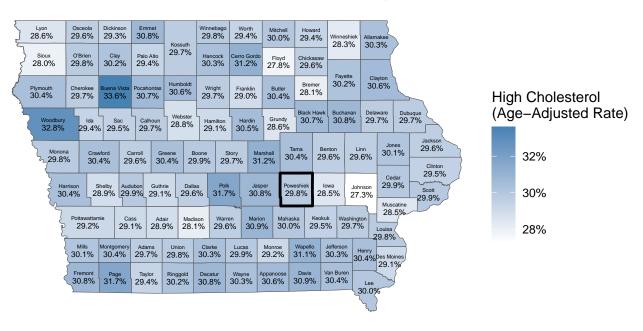


## **High Cholesterol**

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

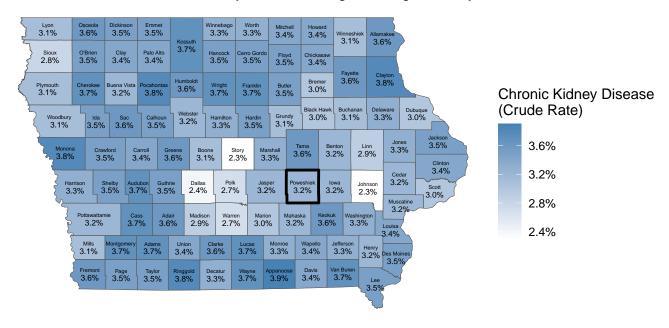


Data Source: CDC PLACES 2023 Release, BRFSS 2021

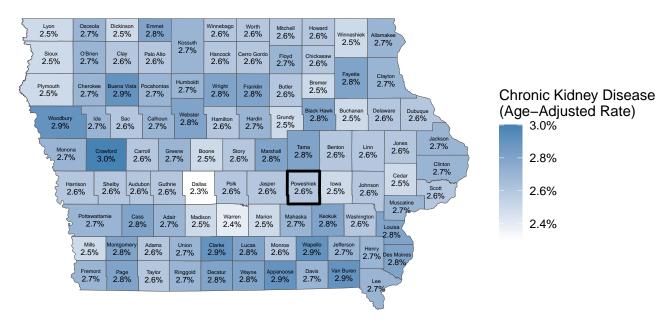


## Chronic Kidney Disease

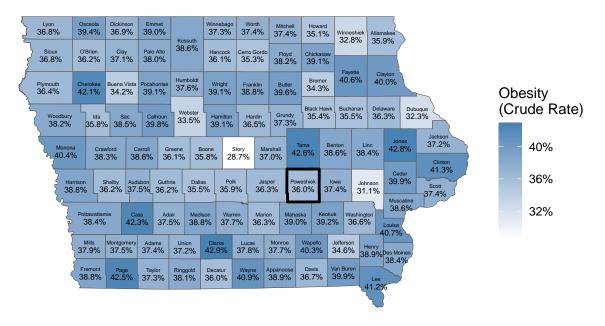
Chronic kidney disease among adults aged >=18 years

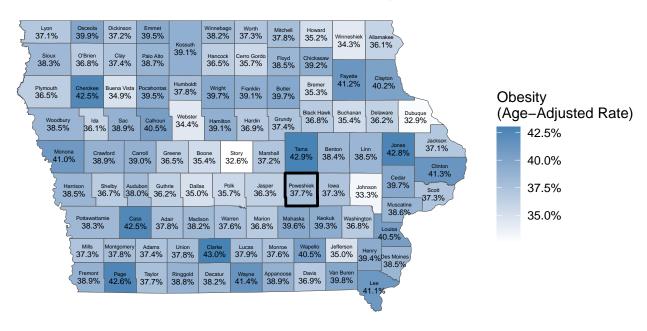


Data Source: CDC PLACES 2023 Release, BRFSS 2021

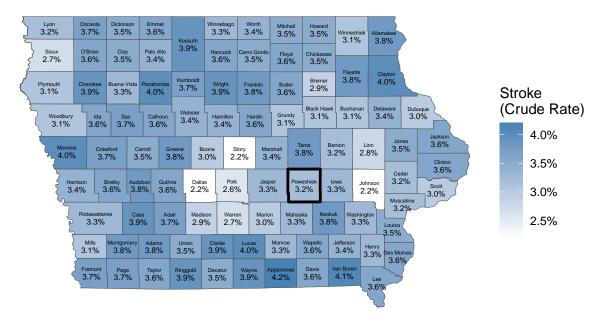


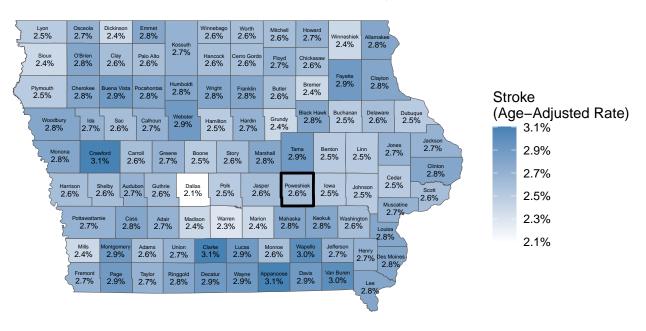
Obesity
Obesity among adults aged >=18 years



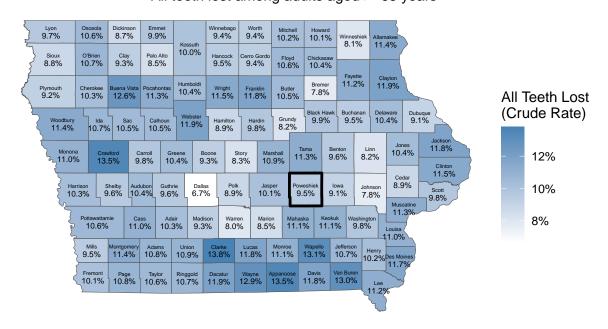


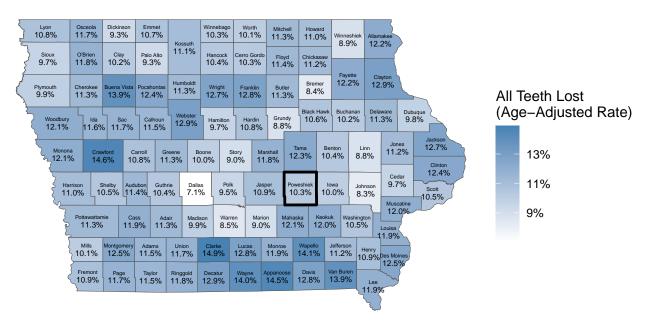
Stroke
Stroke among adults aged >=18 years





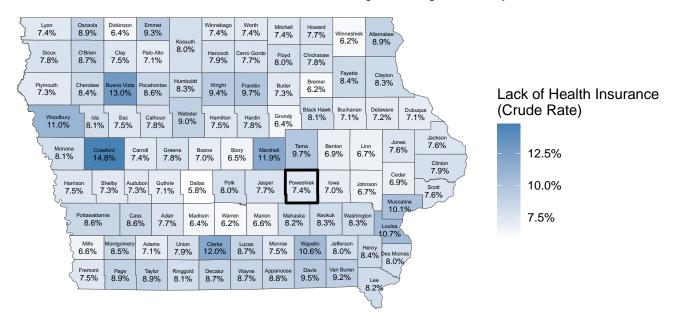
All Teeth Lost
All teeth lost among adults aged >=65 years



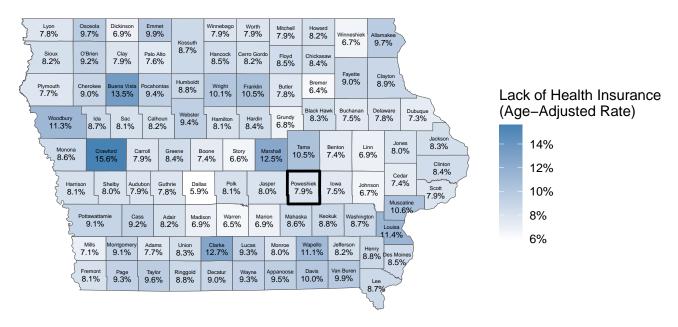


#### Lack of Health Insurance

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

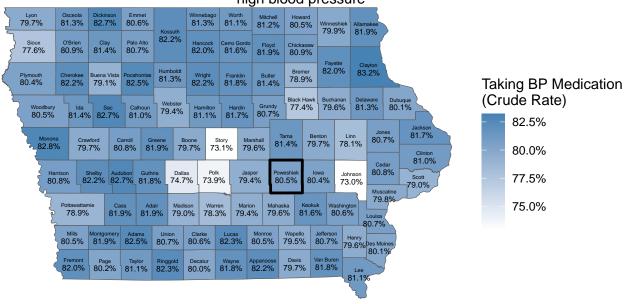


Data Source: CDC PLACES 2023 Release, BRFSS 2021

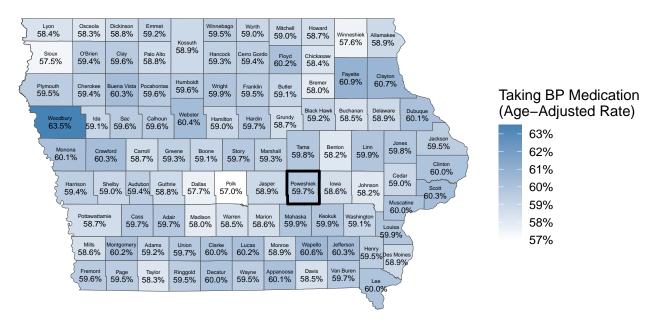


## Taking BP Medication

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

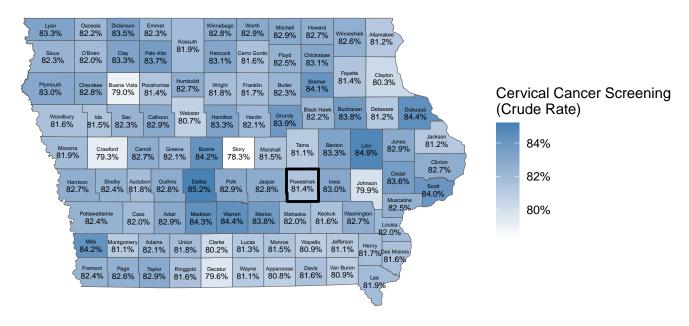


Data Source: CDC PLACES 2023 Release, BRFSS 2021

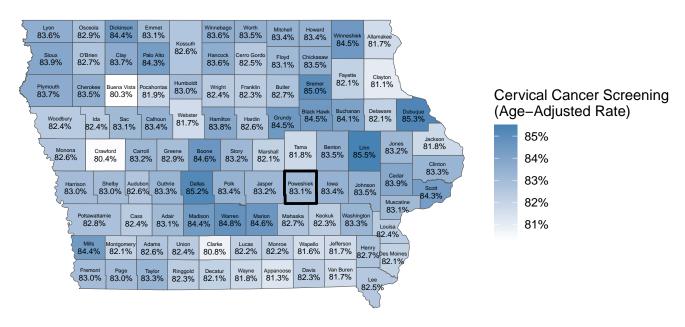


## **Cervical Cancer Screening**

Cervical cancer screening among adult women aged 21-65 years

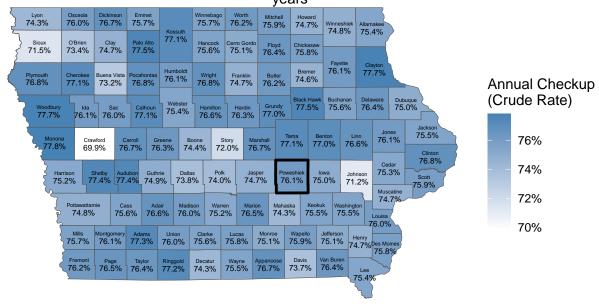


Data Source: CDC PLACES 2023 Release, BRFSS 2020

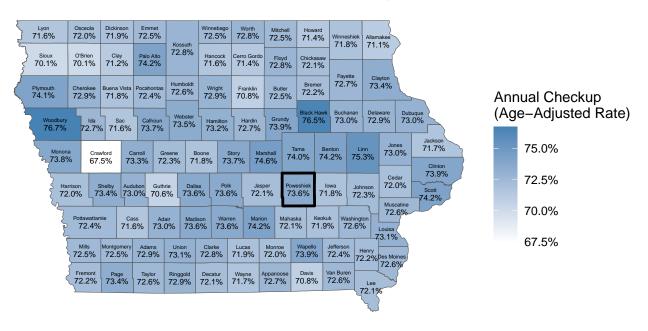


## **Annual Checkup**

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

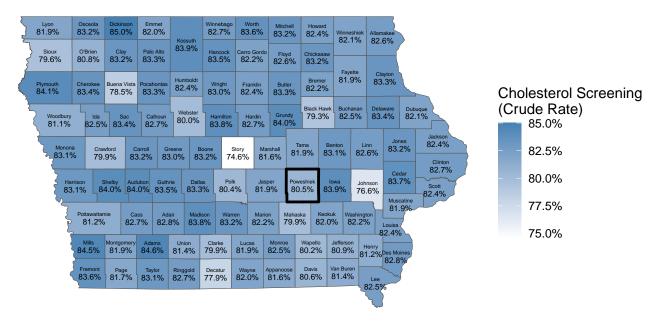


Data Source: CDC PLACES 2023 Release, BRFSS 2021

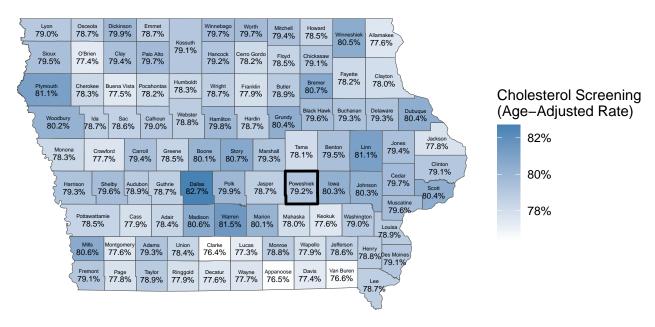


## **Cholesterol Screening**

Cholesterol screening among adults aged >=18 years

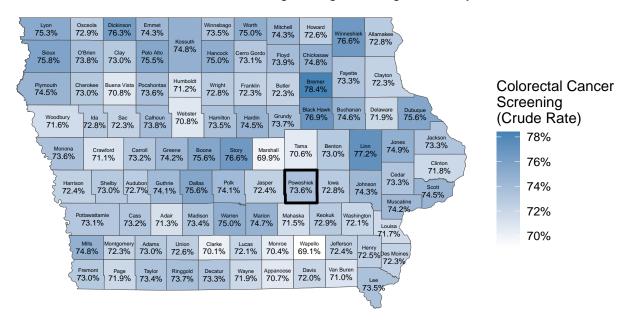


Data Source: CDC PLACES 2023 Release, BRFSS 2021

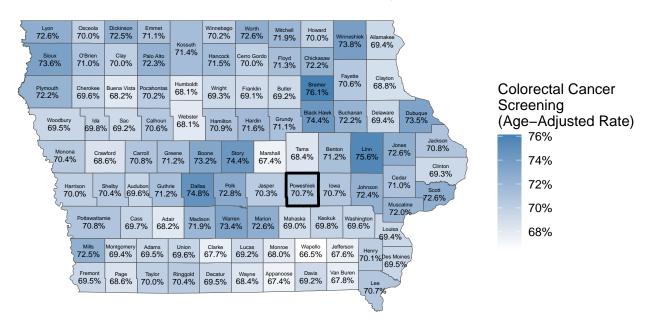


## Colorectal Cancer Screening

Colorectal cancer screening among adults aged 50-75 years

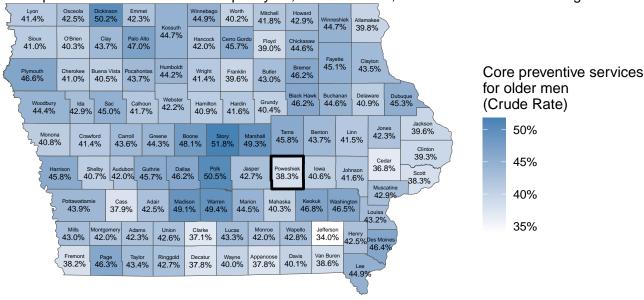


Data Source: CDC PLACES 2023 Release, BRFSS 2020

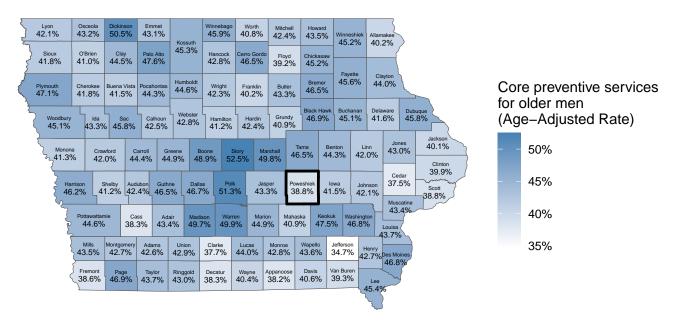


# Core preventive services for older men

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

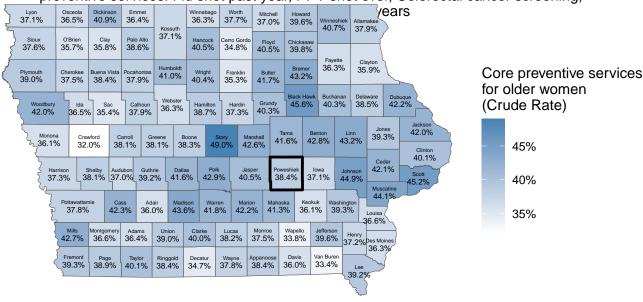


Data Source: CDC PLACES 2023 Release, BRFSS 2020

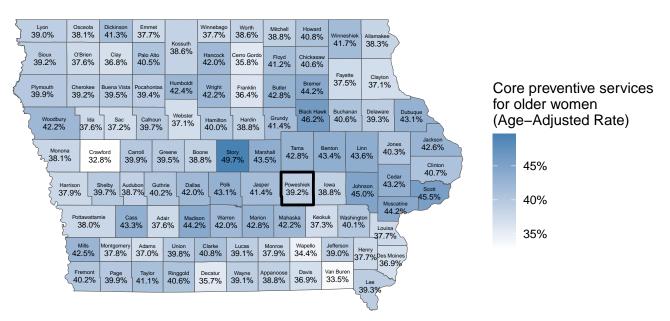


## Core preventive services for older women

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,

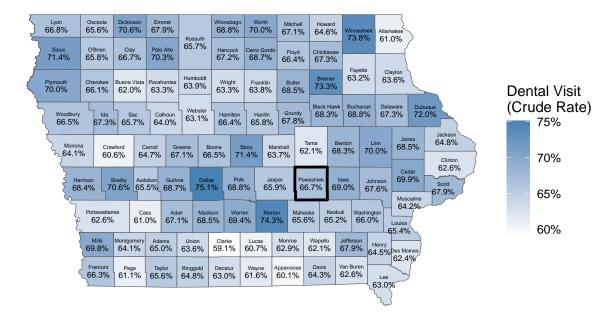


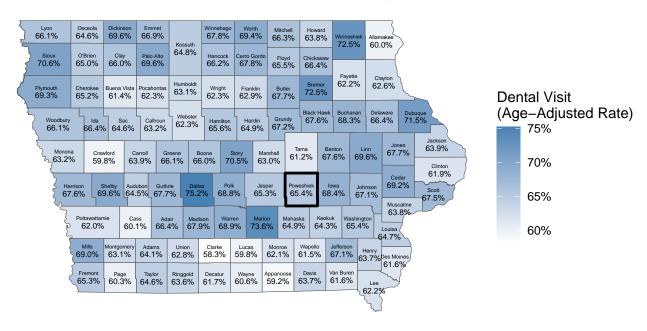
Data Source: CDC PLACES 2023 Release, BRFSS 2020



Dental Visit

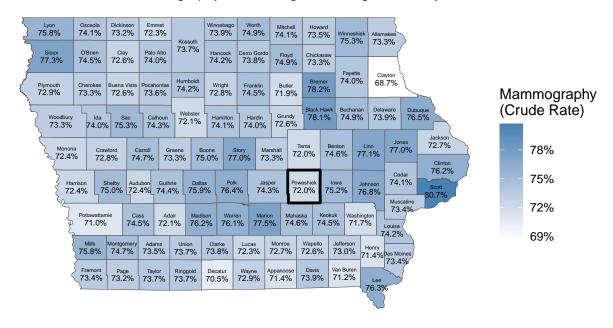
Visits to dentist or dental clinic among adults aged >=18 years



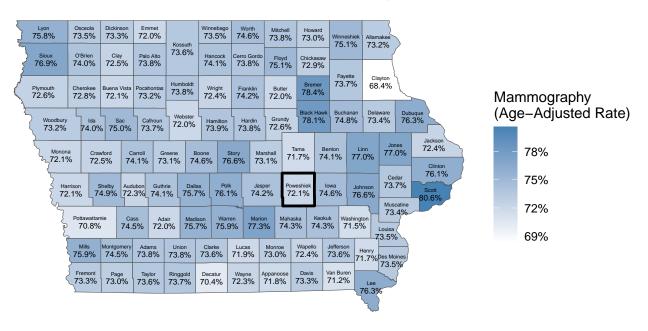


## Mammography

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

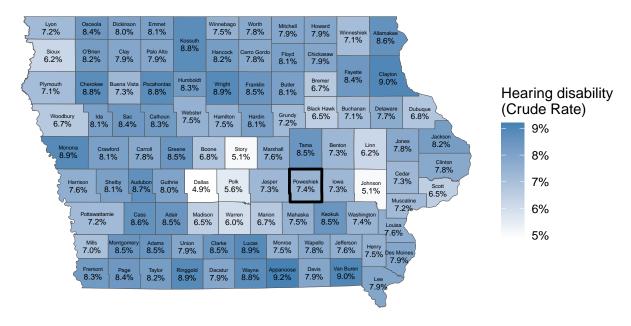


Data Source: CDC PLACES 2023 Release, BRFSS 2020

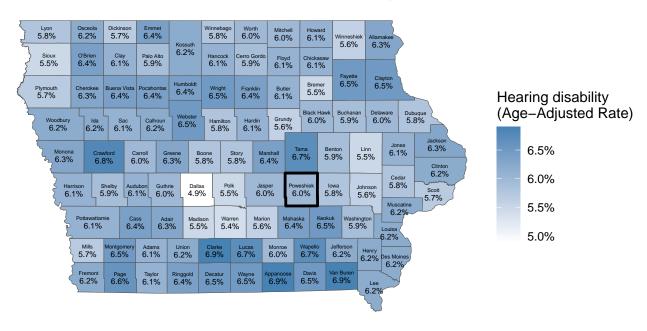


## Hearing disability

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

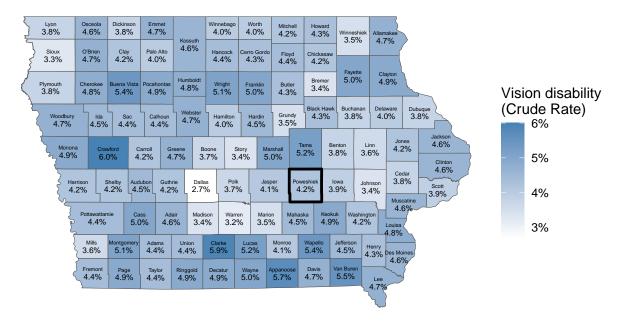


Data Source: CDC PLACES 2023 Release, BRFSS 2021

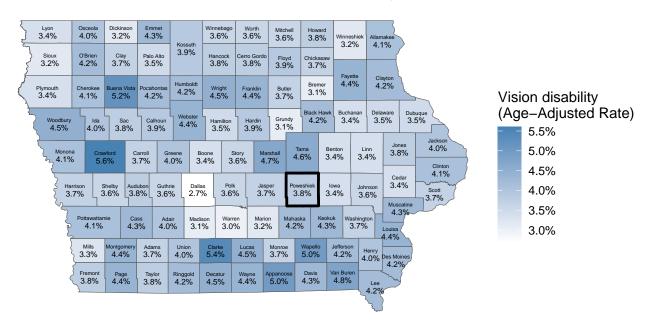


## Vision disability

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

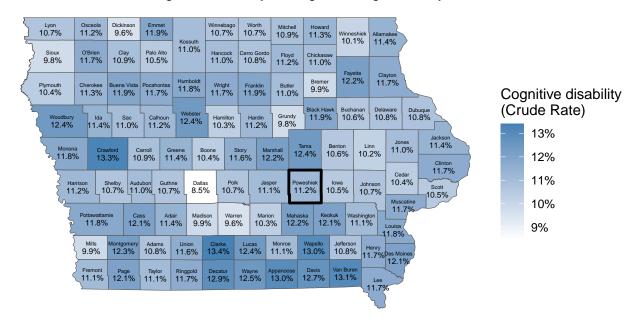


Data Source: CDC PLACES 2023 Release, BRFSS 2021

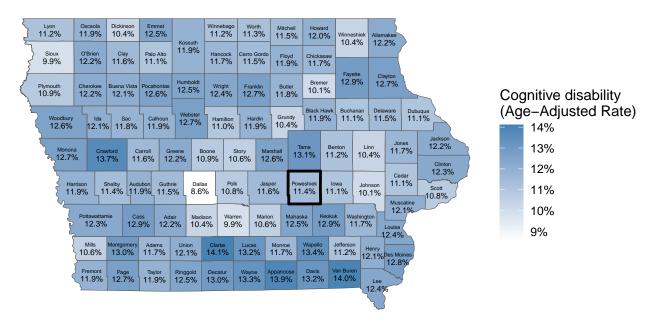


## Cognitive disability

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

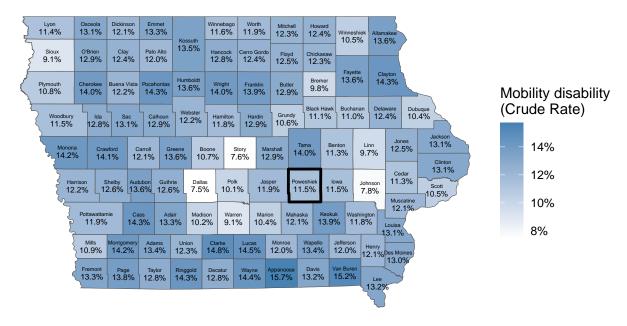


Data Source: CDC PLACES 2023 Release, BRFSS 2021

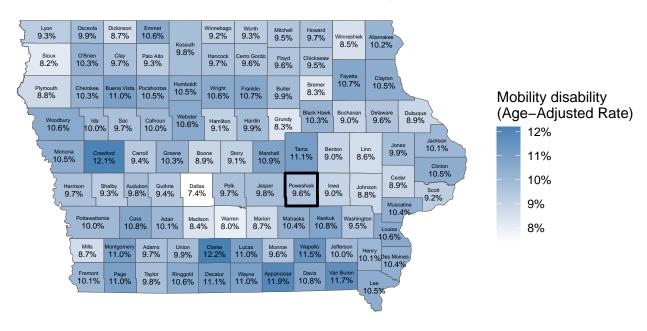


### Mobility disability

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

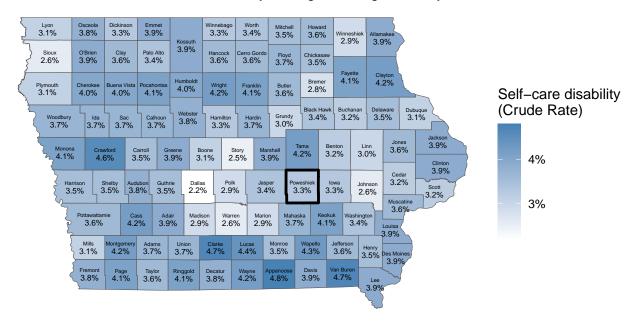


Data Source: CDC PLACES 2023 Release, BRFSS 2021

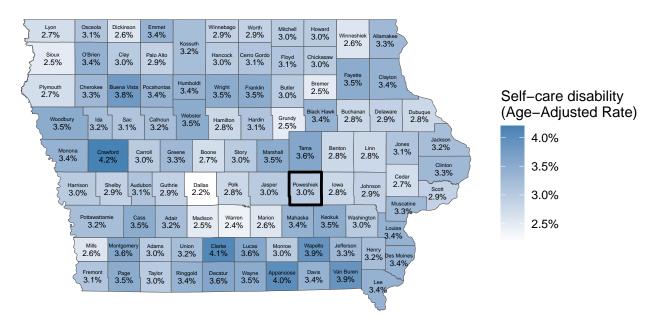


## Self-care disability

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

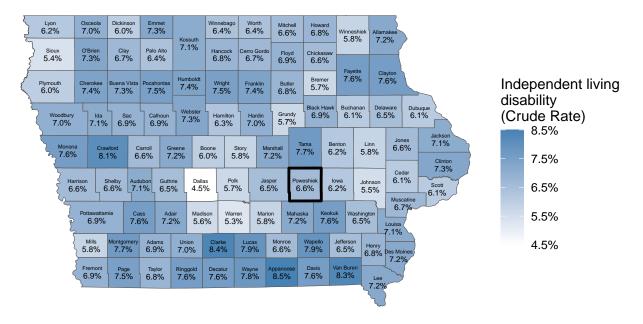


Data Source: CDC PLACES 2023 Release, BRFSS 2021

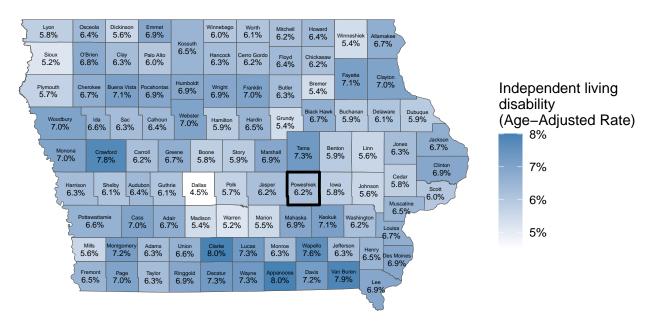


## Independent living disability

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



Data Source: CDC PLACES 2023 Release, BRFSS 2021



Any disability

Any disability among adults aged >=18 years

