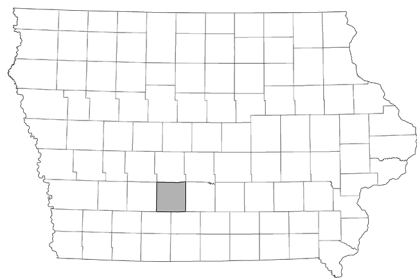# Data for Decision Makers

Madison County Health Profile

report created: 12/13/2024

Health Risk Factors

This Health *Data for Decision Makers* provides a wide range of county-level health data and information to help residents, health providers, and policy makers understand the health situations and needs of county residents. It can be a starting point for discussions on health issues and a guide to help shape future programming and policies. It is updated annually to provide the most current set of indicators and can be used to compare across counties, regions, and the state.

Selected Health Data in Madison County[1]

	County			State		
	2019	2020	2021	2019	2020	2021
Smoking	17.6%	16.2%	15.1%	17.4%	16.8%	15.5%
Excessive Drinking	24.7%	25.7%	21.5%	24.6%	24.7%	23.1%
Obesity	36.6%	33.9%	38.2%	34.3%	37.2%	36.9%
Diabetes	8.1%	7.7%	7.4%	9.0%	8.9%	8.5%
Inactive	26.6%	21.2%	21.8%	26.1%	22.7%	23.8%
Insufficient Sleep	NA	28.8%	NA	NA	31.6%	NA

Years of Life Expectancy[1]

	County		State	
	2015-17	2019-21	2015-17	2019-21
Life Expectancy	79.7	78.9	79.5	78.1

Years of Life Expectancy (2019-2021)[1]

74.5 - 75.9   76.0 - 77.9   78.0 - 79.9   80 - 83.1

State: 78.1 Years

Percent Obese, 2021[1]

32.6% - 35.4%   35.5% - 37.4%   37.5% - 38.9%   39.0% - 43.0%

State: 36.9%

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https://indicators.extension.iastate.edu

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Percent Poor or Fair Health, Frequent Physical Distress, and Frequent Mental Distress in Madison County[1]

Legend: 2016, 2017, 2018, 2019, 2020, 2021
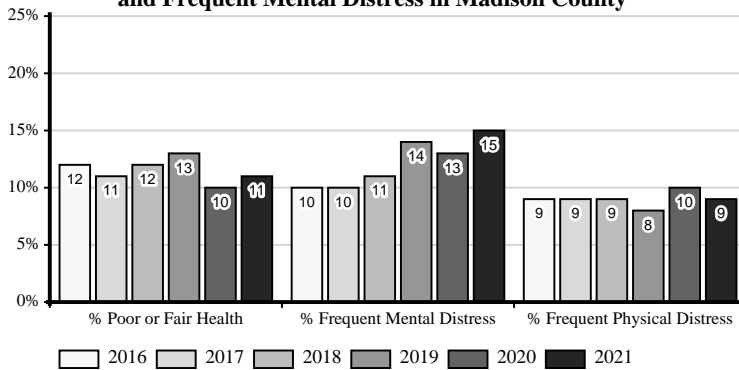
Number of Births and Deaths in Madison County[4]

Births ● Deaths ■   *Intervals of years vary*
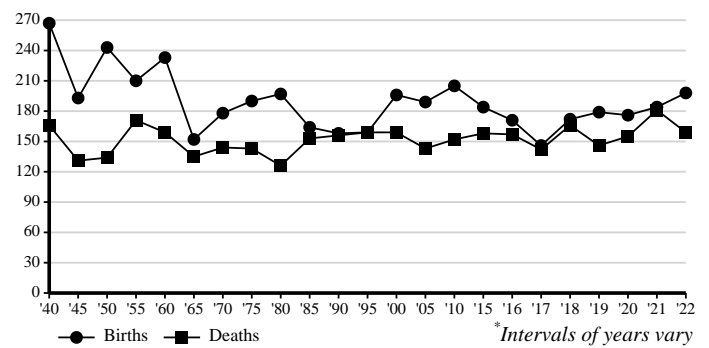
Ten-Year Counts of Selected Causes of Deaths[2]

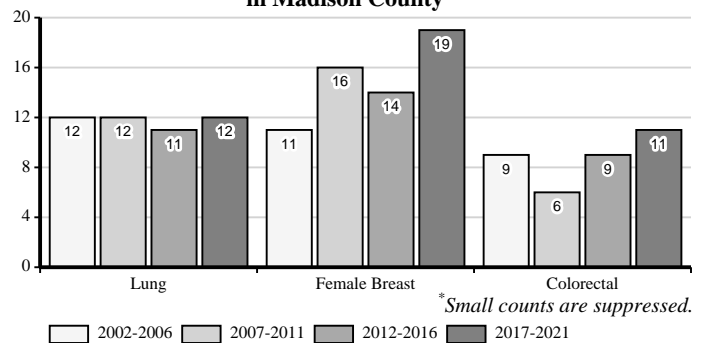|	County		State	
	2004-13	2014-23	2004-13	2014-23
Deaths, 10 Year Counts				
Total Deaths	1,393	1,545	278,642	316,814
Alcohol[**] or Drugs	28	36	4,459	8,436
Suicides	21	18	3,695	4,955
Homicides	1	2	571	879
Transport Accidents	15	35	4,314	3,951
Other Accidents	33	59	8,179	12,085
Average Annual Count (rounded)				
Total Deaths	139	155	27,864	31,681
Alcohol[**] or Drugs	3	4	446	844
Suicides	2	2	370	496
Homicides	0	0	57	88
Transport Accidents	2	4	431	395
Other Accidents	3	6	818	1,209

[*]*Small counts are suppressed. Deaths are by the county of residence of the decedent.*
[**]*Alcohol deaths include alcohol abuse and alcohol related diseases.*

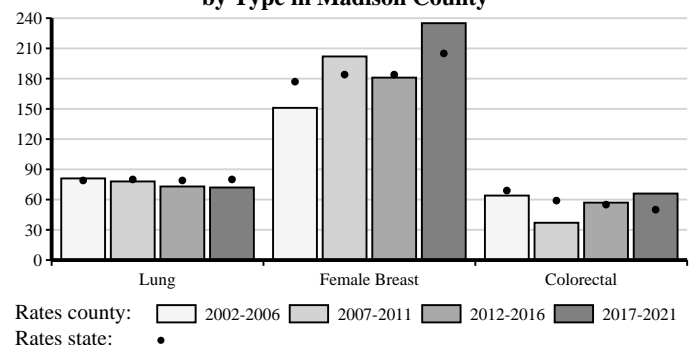## Number of All Cancer Cases and Cancer Deaths in Madison County[2,5]

Cases ● Deaths ■   *Cancer deaths result from multiple years of cases.*
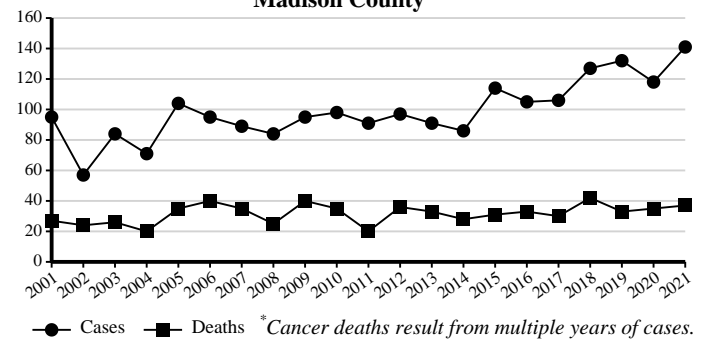
Estimated Annual Cancer Count by Type in Madison County[5]

Small counts are suppressed.

Legend: 2002-2006, 2007-2011, 2012-2016, 2017-2021

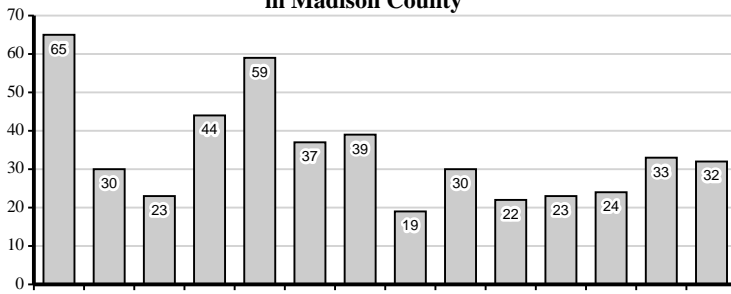## Number of Fatalities and Injuries in Vehicle Crashes Where Driver was Under the Influence of Drugs or Alcohol in Madison County, 2014-2023[3]

Fatalities Injuries   *Attributed to the county of crash location.*
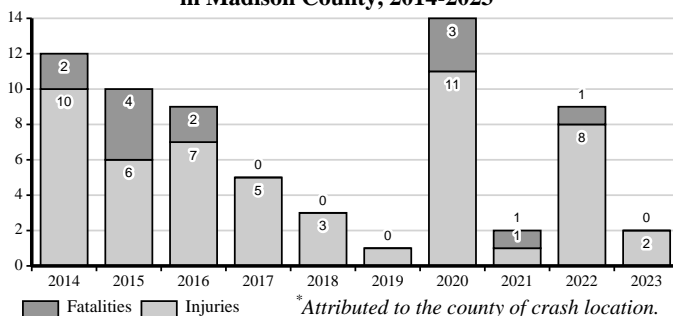
Five-Year Cancer Crude Rate per 100,000 Population at Risk by Type in Madison County[5]

Rates county: 2002-2006, 2007-2011, 2012-2016, 2017-2021
Rates state: ●

Number of ER Visits with a Primary Diagnosis of Asthma in Madison County[*6]

Bar chart values by year:
- 2010: 65
- 2011: 30
- 2012: 23
- 2013: 44
- 2014: 59
- 2015: 37
- 2016: 39
- 2017: 19
- 2018: 30
- 2019: 22
- 2020: 23
- 2021: 24
- 2022: 33
- 2023: 32

Small counts are suppressed. If all years are suppressed, chart will be blank.

Number of ER Visits and Hospitalizations with a Primary Diagnosis of Chronic Obstructive Pulmonary Disease (COPD) in Madison County[*6]

Bar chart values by year (ER Visits / Hospitalizations):
- 2012: 69 / 20
- 2013: 75 / 9
- 2014: 88 / 21
- 2015: 59 / 15
- 2016: 173 / 13
- 2017: 146 / 14
- 2018: 190 / 15
- 2019: 60 / 16
- 2020: 28
- 2021: 70
- 2022: 59 / 6
- 2023: 51 / 10

Legend: ER Visits, Hospitalizations. *Small counts are suppressed.*

Number Hospitalizations with a Primary Diagnosis of Heart Attack in Madison County[*6]

Bar chart values by year:
- 2010: 28
- 2011: 27
- 2012: 27
- 2013: 38
- 2014: 19
- 2015: 16
- 2016: 22
- 2017: 33
- 2018: 29
- 2019: 34
- 2020: 27
- 2021: 24
- 2022: 28
- 2023: 28
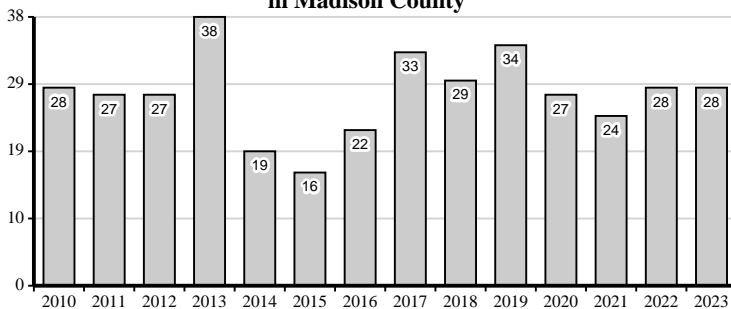
Small counts are suppressed. If all years are suppressed, chart will be blank.

Number of ER Visits and Hospitalizations with a Diagnosis of Unintentional Fall-Related Injuries in Madison County[*6]

Bar chart values by year (ER Visits / Hospitalizations):
- 2015: 363 / 31
- 2016: 384 / 35
- 2017: 356 / 49
- 2018: 379 / 49
- 2019: 350 / 51
- 2020: 314 / 42
- 2021: 321 / 50
- 2022: 354 / 45
- 2023: 329 / 51

Legend: ER Visits, Hospitalizations. *Small counts are suppressed.*

Percent of Population Food Insecure in Madison County and Iowa[7]

Line chart (2018–2022). Legend: County Overall, State Overall, County Children, State Children.

Percent of Children Food Insecure, 2022[7]

Legend: 8.5% - 11.9%, 12% - 15.9%, 16% - 19.9%, 20% - 22.5%

Average Monthly Number of Recipients and Households Receiving Food Assistance in Madison County[8]

Line chart ('02–'23). Legend: Households, Recipients.

Average Food Assistance Benefits Paid Per Recipient Per Month in Madison County and Iowa[8]

Line chart ('02–'23). Legend: County, State.
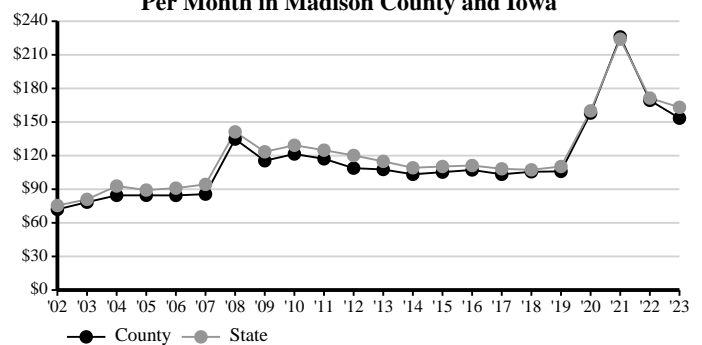
**Number of Weekly Reported COVID-19 Cases
in Madison County[9]**
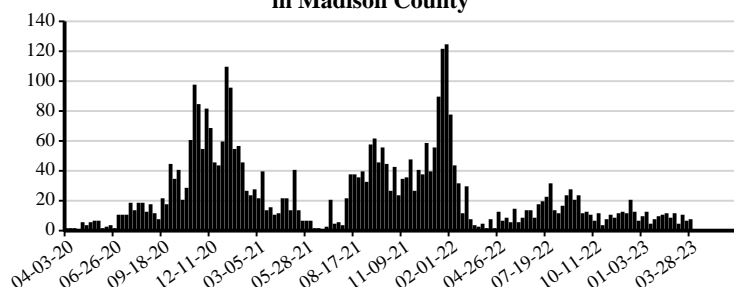
**Cumulative Percentage of Population with COVID-19 Vaccinations
and Boosters by Age in Madison County, May 2023[10]**

County % (dark)	State % (light)	Completed Vaccination Series
County % (medium)	State % (light)	Completed Vaccination Series + Booster
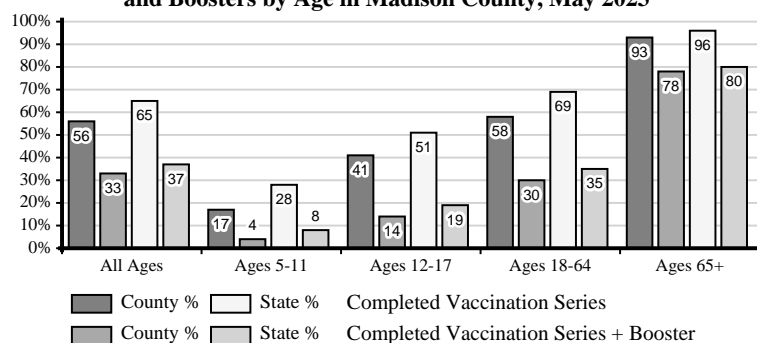
**Primary Care Physicians, Dentists, and Mental Health Providers
in Madison County and Iowa[1]**

	County Providers	County Population per Provider	State Providers	State Population per Provider
Primary Physicians				
2021	9	1,864	2,305	1,385
2020	9	1,836	2,331	1,357
2019	9	1,815	2,343	1,347
Dentists				
2022	6	2,839	2,268	1,411
2021	6	2,796	2,231	1,431
2020	6	2,754	2,203	1,436
Mental Health				
2023	12	1,420	6,358	503
2022	11	1,525	6,001	532
2021	11	1,502	5,555	569

**Number of Hospitals, Nursing Facilities, and Beds
in Madison County and Iowa[11]**

	County 2019	County 2021	State 2019	State 2021
Hospitals	1	1	122	120
Hospital Beds	25	25	11,771	11,423
Nursing Facilities	2	2	419	414
Nursing Facility Beds	145	145	29,581	28,474

**3-Year Cumulative Reported COVID-19 Cases
and Rates per 100,000, March 2020 - March 2023[9]**

	County	State
Cumulative Cases	3,727	908,936
Cumulative Rate*	22,522 / 100,000	28,490 / 100,000

Rate per 100,000 population

**Monthly Estimated Percent of Household Pulse Survey
Respondents Reporting Having Had COVID-19, long COVID,
and Vaccinations for COVID-19, Iowa and U.S. 2024*[12]**

Vaccination, US	Positive COVID, US	Long COVID, US
Vaccination, IA	Positive COVID, IA	Long COVID, IA

Population 18 and older. Percent estimates are considered experimental.

**Total Deaths and COVID-19 Deaths 2020-2023
in Madison County and Iowa*[4]**

	County	State
Total Deaths 2023	NA	NA
COVID-19 Deaths 2023	NA	NA
COVID-19 Deaths as % of all Deaths 2023	NA	NA
Total Deaths 2022	159	33,968
COVID-19 Deaths 2022	15	1,700
COVID-19 Deaths as % of all Deaths 2022	9.4%	5.0%
Total Deaths 2021	181	34,216
COVID-19 Deaths 2021	15	3,015
COVID-19 Deaths as % of all Deaths 2021	8.3%	8.8%
Total Deaths 2020	155	35,975
COVID-19 Deaths 2020	9	4,306
COVID-19 Deaths as % of all Deaths 2020	5.8%	12.0%

Small counts are suppressed.

**Number of Persons Receiving Substance Use Treatment
by Substance Type in Madison County and Iowa*[13]**

	County 2022	County 2023	State 2022	State 2023
Total Persons Treated	51	58	17,703	17,609
Alcohol	26	38	7,597	7,645
Marijuana/Hashish	6	6	3,163	3,127
Methamphetamine	15	11	4,899	4,687
Other Substances	0	0	1,501	1,686

Small treatment counts are suppressed.

Disability Characteristics, 2018-2022[14]

	County		State	
	Estimate	MOE[†]	Estimate	MOE[†]
Total Population	16,428	+/-28	3,142,658	+/-508
With a Disability	9.3%	+/-1.3%	12.2%	+/-0.1%
Hearing	3.8%	+/-1%	3.8%	+/-0.1%
Vision	1.4%	+/-0.5%	1.9%	+/-0.1%
Cognitive	3.6%	+/-1.1%	4.9%	+/-0.1%
Ambulatory	5.2%	+/-0.9%	5.8%	+/-0.1%
Self care	1.7%	+/-0.7%	2.1%	+/-0.1%
Independent Living	4%	+/-0.9%	5.1%	+/-0.1%
Ages 18-64	9,426	+/-129	1,878,854	+/-1,559
With a Disability	6.8%	NA	7.2%	NA
Hearing	1.9%	+/-0.9%	2.1%	+/-0.1%
Vision	1.1%	+/-0.6%	1.6%	+/-0.1%
Cognitive	2%	+/-1%	4.7%	+/-0.1%
Ambulatory	3.5%	+/-1.2%	3.9%	+/-0.1%
Self care	1%	+/-0.7%	1.5%	+/-0.1%
Independent Living	1.9%	+/-0.9%	3.5%	+/-0.1%
Ages 65-74	1,835	+/-175	316,485	+/-730
With a Disability	12.1%	+/-4.5%	22%	+/-0.5%
Hearing	7%	+/-3.6%	9.3%	+/-0.3%
Vision	1.7%	+/-1.3%	3.2%	+/-0.2%
Cognitive	0.8%	+/-0.8%	3.9%	+/-0.2%
Ambulatory	6.1%	+/-2.9%	11.9%	+/-0.4%
Self care	1.2%	+/-1.4%	3.1%	+/-0.2%
Independent Living	2.7%	+/-1.7%	5.5%	+/-0.2%
Ages 75 and above	1,062	+/-42	218,340	+/-720
With a Disability	52.5%	+/-10.5%	43.3%	+/-0.6%
Hearing	29.3%	+/-10.8%	21.8%	+/-0.5%
Vision	9%	+/-6%	7.2%	+/-0.4%
Cognitive	26.3%	+/-9.1%	9.1%	+/-0.4%
Ambulatory	34.1%	+/-8.1%	25.4%	+/-0.6%
Self care	12.6%	+/-7.5%	8.5%	+/-0.3%
Independent Living	24.7%	+/-8.3%	18.2%	+/-0.5%

Educational Attainment, 2018-2022[14]

	County		State	
	Estimate	MOE[†]	Estimate	MOE[†]
Population 25 and older	11,322	+/-131	2,131,202	+/-967
High School Graduate or Higher	97%	+/-0.9%	93%	+/-0.1%
Bachelor's Degree or Higher	25.8%	+/-3%	30.3%	+/-0.3%

Percentage of Population by Age[15]

	County		State	
Age Groups	2010	2020	2010	2020
17 or younger	27.2%	25.5%	23.9%	23.2%
18 - 24	5.7%	6.8%	10.0%	9.8%
25 - 44	24.5%	22.4%	24.5%	24.6%
45 - 64	27.8%	27.2%	26.7%	24.5%
65 or older	14.8%	18.1%	14.9%	18.0%
65 - 84	12.4%	16.0%	12.4%	15.6%
85 or older	2.4%	2.1%	2.5%	2.4%
Median[a] age (years)	39.8	41.2	38.1	38.6
Age dependency[b]	72.4	77.3	63.4	69.9
Old-age	25.5	32.1	24.3	30.6
Child	46.9	45.2	39.1	39.4

Percentage of Population by Race/Hispanic Origin[15]

	County		State	
Race Groups	2010	2020	2010	2020
One race only	99.1%	96.0%	98.2%	94.4%
White	98.1%	94.3%	91.3%	84.5%
White alone, not Hispanic	97.2%	93.7%	88.7%	82.7%
Black or African American	0.3%	0.3%	2.9%	4.1%
Asian	0.3%	0.5%	1.7%	2.4%
American Indian	0.2%	0.2%	0.4%	0.5%
Hawaiian/Pacific Islander	0.0%	0.1%	0.1%	0.2%
Other	0.2%	0.6%	1.8%	2.8%
Two or more races	0.9%	4.0%	1.8%	5.6%
Hispanic origin[a]	1.3%	1.9%	5.0%	6.8%

[a]Hispanics can be of any race.

Percent of Households Spending 30% or More of Household Income on Monthly Owner or Renter Costs[14]

	2008 - 2012	2013 - 2017	2018 - 2022
Owner Occupied Units - County	22	21	20
Renter Occupied Units - County	29	32	25
Owner Occupied Units - State	19	16	16
Renter Occupied Units - State	41	40	40
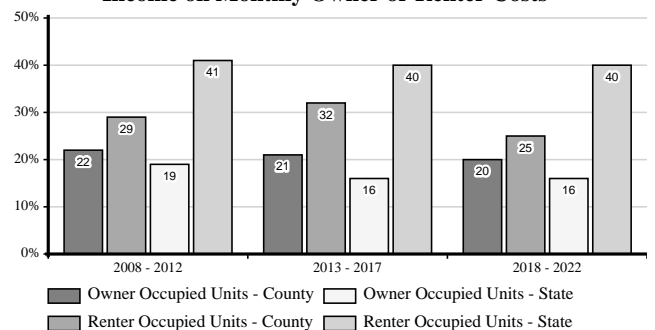
Ages 0-18 Percent Health Uninsured Population by Poverty Level[16]

- County Uninsured: All Income
- State Uninsured: All Income
- County Uninsured: Poverty
- State Uninsured: Poverty
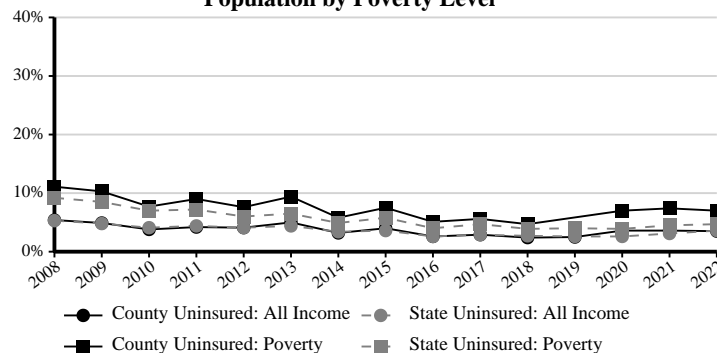
Ages 18-64 Percent Health Uninsured Population by Poverty Level[16]

- County Uninsured: All Income
- State Uninsured: All Income
- County Uninsured: Poverty
- State Uninsured: Poverty
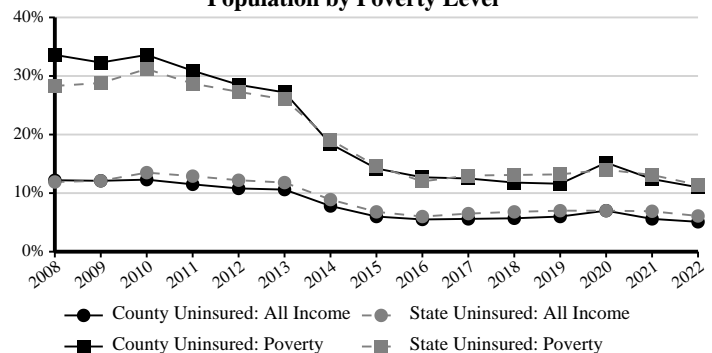
Median[a] Household and Per Capita Income, 2018-2022[14]

	County Estimate	MOE[†]	State Estimate	MOE[†]
Total Households	6,475	+/- 174	1,290,139	+/- 4,032
Median Household Income	$88,110	+/- $4,806	$70,571	+/- $395
Median Family Income	$105,706	+/- $5,875	$90,921	+/- $579
Per Capita Income	$39,442	+/- $1,344	$37,949	+/- $241

[†]*MOE = the margin of error for American Community Survey estimates is a numerical value that when added to or subtracted from the point estimate value gives the range of a 90% confidence interval around the estimate.*

Percent Below Poverty Level by Age[17]

- County % All Ages
- State % All Ages
- County % Under 18
- State % Under 18
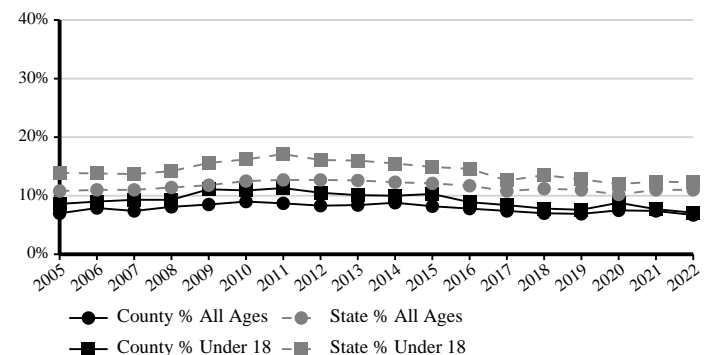
Information in this document was derived from:

[1]County Health Rankings and Roadmaps: https://www.countyhealthrankings.org/
[2]Centers for Disease Control and Prevention, CDC WONDER, Multiple Cause of Death: https://wonder.cdc.gov/mcd.html
[3]Iowa Dept of Transportation, Iowa Crash Analysis Tool: https://icat.iowadot.gov/
[4]Iowa Dept of Health and Human Services, Vital Statistics of Iowa Annual Report: https://hhs.iowa.gov/public-health/health-statistics
[5]Iowa Cancer Registry, special data request: https://shri.public-health.uiowa.edu/cancer-data/ and https://uiowa.qualtrics.com/jfe/form/SV_6G7RizlRVgVf1C6
[6]Iowa Public Health Tracking Portal: https://hhs.iowa.gov/public-health/data
[7]Feeding America, Map the Meal Gap, requested data: https://map.feedingamerica.org/ and https://www.feedingamerica.org/research/map-the-meal-gap/by-county
[8]Iowa Data Portal, Health and Human Services, Food Assistance: https://data.iowa.gov/Economic-Supports/Total-Food-Assistance-Allotments-and-Average-House/vhhz-nz4t/about_data
[9]Iowa Dept of Health and Human Services, previously Iowa Department of Public Health, 2020 - 2023: https://idph.iowa.gov/Emerging-Health-Issues/Novel-Coronavirus/COVID-19-Reporting/ and https://coronavirus.iowa.gov/
[10]Centers for Disease Control and Prevention, COVID-19 vaccinations, previous site last updated May, 12, 2023: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-County/8xkx-amqh/
[11]Iowa Health Fact Book: https://iowahealthfactbook.org/

[12]U.S. Census Bureau, Household Pulse Survey, 2024 Data Tables, Phases 4.0, 4.1, Cycles 01 – 06 https://www.census.gov/programs-surveys/household-pulse-survey/data/tables.html
[13]Iowa Dept of Health and Human Services, Division of Behavioral Health, Iowa Behavioral Reporting System (IBHRS), special data request: https://hhs.iowa.gov/programs/mental-health/substance-use-disorder/behavioral-health-reporting-system
[14]American Community Survey, 5-year estimates, U.S. Census Bureau: https://www.census.gov/
[15]Decennial Censuses, U.S. Census Bureau: https://www.census.gov/programs-surveys/decennial-census/decade/2020/2020-census-main.html
[16]Small Area Health Insurance Estimates, U.S. Census Bureau: https://www.census.gov/programs-surveys/sahie.html
[17]Small Area Income and Poverty Estimates, U.S. Census Bureau: https://www.census.gov/programs-surveys/saipe.html/

[a]Median is the middle value of a distribution.
[b]The age dependency ratio compares, by age, those typically not in the labor force with those who typically are in the labor force. Old-age dependency is persons 65+ per 100 persons age 18-64. Child dependency is persons under age 18 per 100 persons age 18-64. The total age dependency ratio is persons under age 18 plus persons 65 or older per 100 persons age 18-64.

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