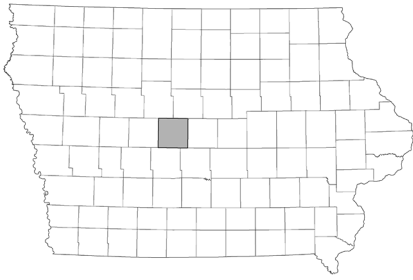


# Data for Decision Makers



## Boone 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.

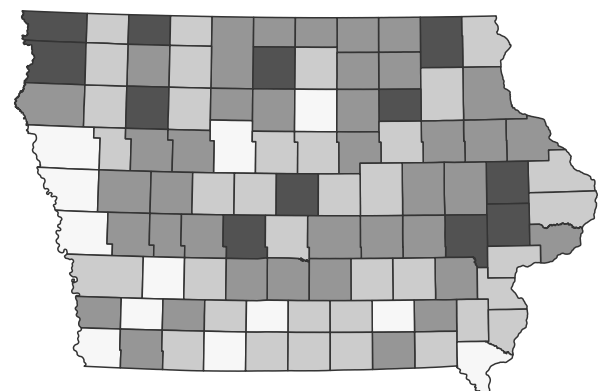
Selected Health Data in Boone County<sup>1</sup>

	County			State		
	2019	2020	2021	2019	2020	2021
Smoking	19.0%	17.0%	16.4%	17.4%	16.8%	15.5%
Excessive Drinking	24.7%	25.6%	21.3%	24.6%	24.7%	23.1%
Obesity	37.6%	38.0%	35.4%	34.3%	37.2%	36.9%
Diabetes	8.8%	8.3%	7.9%	9.0%	8.9%	8.5%
Inactive	26.5%	22.1%	23.0%	26.1%	22.7%	23.8%
Insufficient Sleep	NA	30.0%	NA	NA	31.6%	NA

Years of Life Expectancy<sup>1</sup>

	County		State	
	2015-17	2019-21	2015-17	2019-21
Life Expectancy	79.6	77.8	79.5	78.1

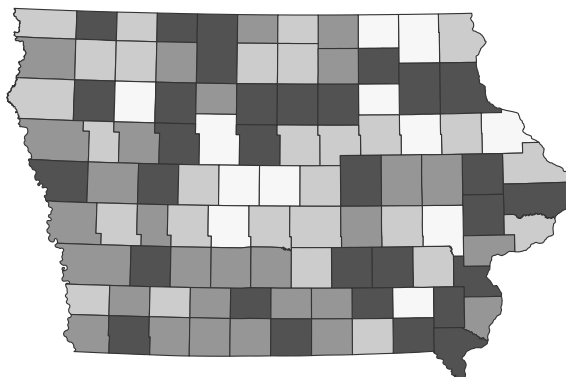
Years of Life Expectancy (2019-2021)<sup>1</sup>



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

State: 78.1 Years

Percent Obese, 2021<sup>1</sup>



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

State: 36.9%

### Contacts:

#### Regional Director

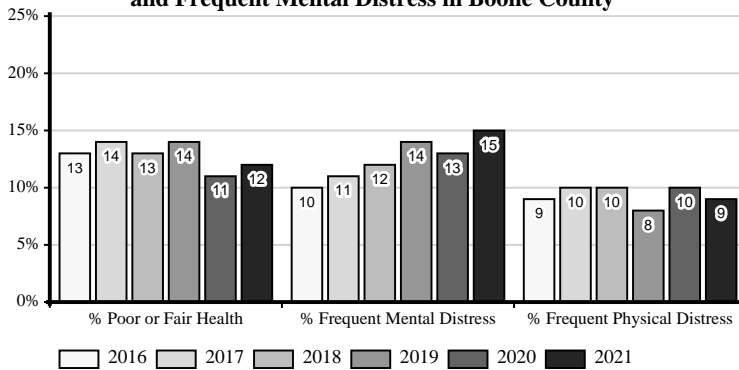
Lori Mannel  
104 West Washington St.  
Jefferson, IA 50129  
lmannel@iastate.edu  
515-432-3882

#### County Office

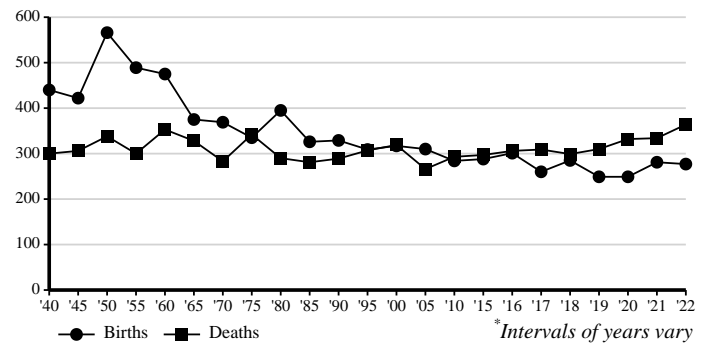
Jessie Soderstrum  
1327 SE Marshall St.  
Boone, IA 50036  
jlsoder@iastate.edu  
515-432-3882

<https://indicators.extension.iastate.edu>

**Percent Poor or Fair Health, Frequent Physical Distress, and Frequent Mental Distress in Boone County<sup>1</sup>**



**Number of Births and Deaths in Boone County<sup>\*4</sup>**



**Ten-Year Counts of Selected Causes of Deaths<sup>\*2</sup>**

	County		State	
	2004-13	2014-23	2004-13	2014-23
<b>Deaths, 10 Year Counts</b>				
Total Deaths	2,871	3,116	278,642	316,814
Alcohol** or Drugs	31	51	4,459	8,436
Suicides	30	33	3,695	4,955
Homicides	5	5	571	879
Transport Accidents	60	43	4,314	3,951
Other Accidents	83	106	8,179	12,085

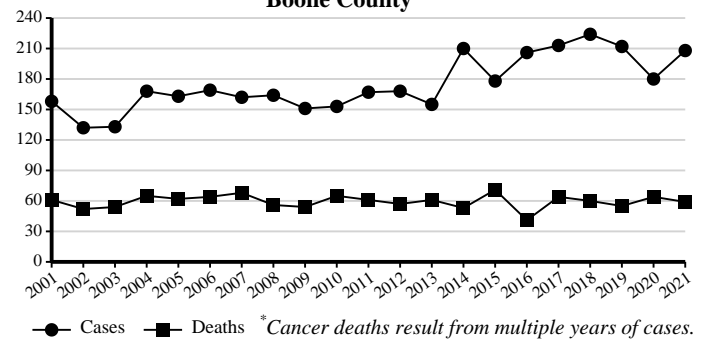
**Average Annual Count (rounded)**

	2004-13	2014-23	2004-13	2014-23
Total Deaths	287	312	27,864	31,681
Alcohol** or Drugs	3	5	446	844
Suicides	3	3	370	496
Homicides	1	1	57	88
Transport Accidents	6	4	431	395
Other Accidents	8	11	818	1,209

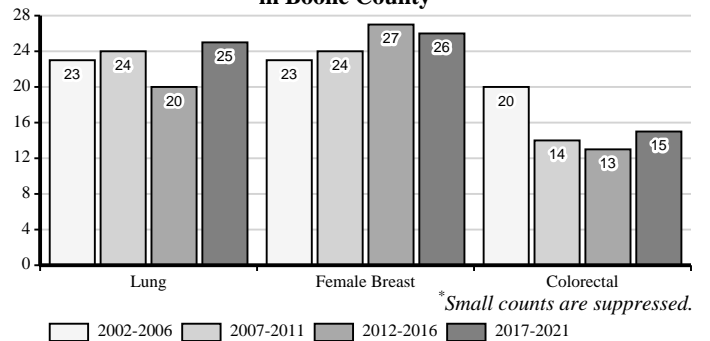
*\*Small counts are suppressed. Deaths are by the county of residence of the decedent.*

*\*\*Alcohol deaths include alcohol abuse and alcohol related diseases.*

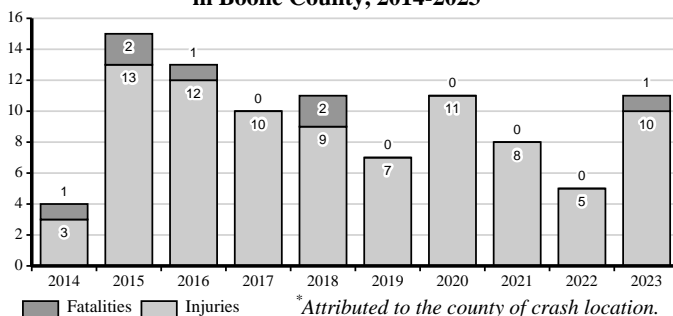
**Number of All Cancer Cases and Cancer Deaths in Boone County<sup>\*2,5</sup>**



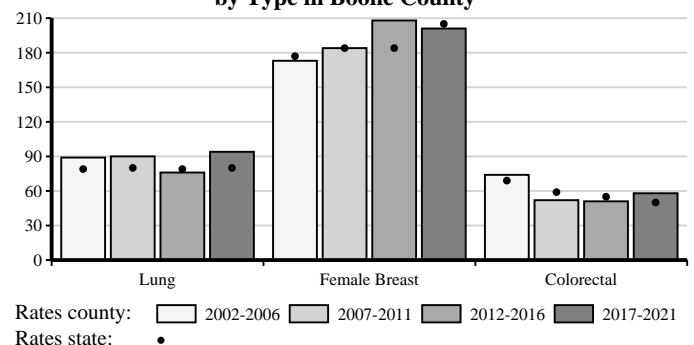
**Estimated Annual Cancer Count by Type in Boone County<sup>\*5</sup>**



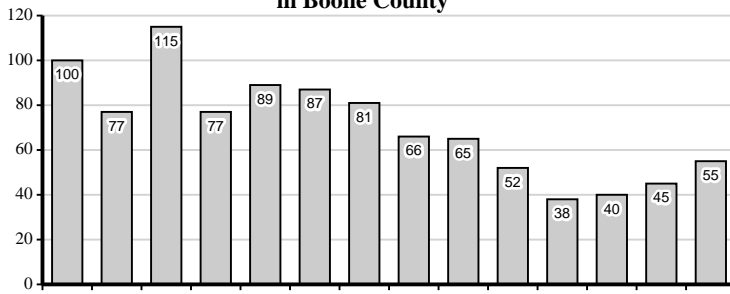
**Number of Fatalities and Injuries in Vehicle Crashes Where Driver was Under the Influence of Drugs or Alcohol in Boone County, 2014-2023<sup>\*3</sup>**



**Five-Year Cancer Crude Rate per 100,000 Population at Risk by Type in Boone County<sup>\*5</sup>**

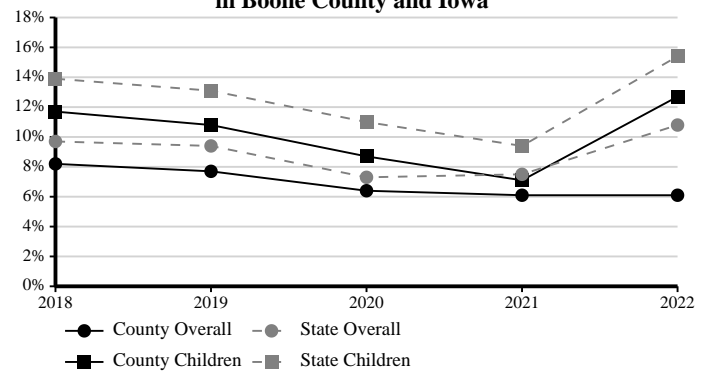


**Number of ER Visits with a Primary Diagnosis of Asthma in Boone County<sup>\*6</sup>**

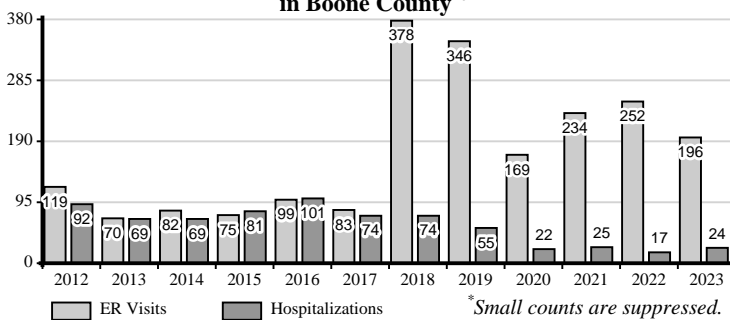


*\*Small counts are suppressed. If all years are suppressed, chart will be blank.*

**Percent of Population Food Insecure in Boone County and Iowa<sup>7</sup>**



**Number of ER Visits and Hospitalizations with a Primary Diagnosis of Chronic Obstructive Pulmonary Disease (COPD) in Boone County<sup>\*6</sup>**

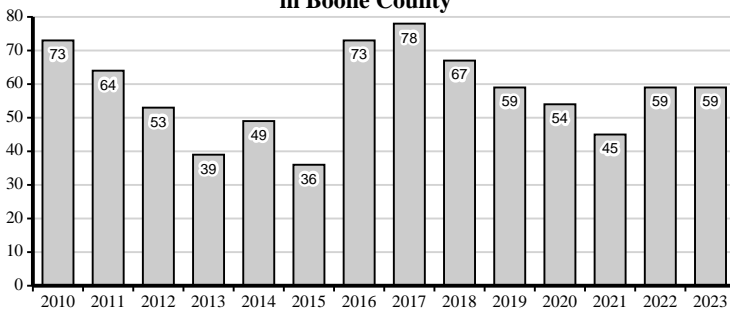


*\*Small counts are suppressed.*

**Percent of Children Food Insecure, 2022<sup>7</sup>**

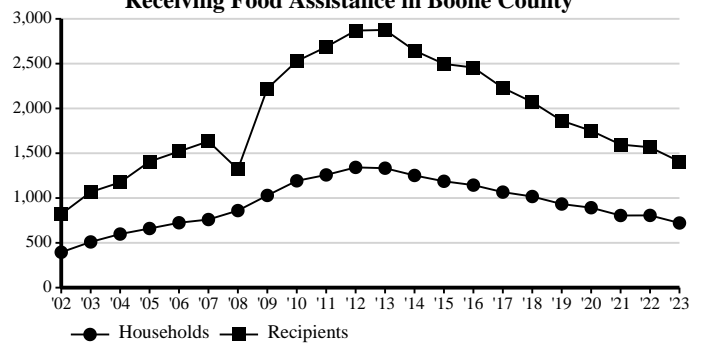


**Number Hospitalizations with a Primary Diagnosis of Heart Attack in Boone County<sup>\*6</sup>**

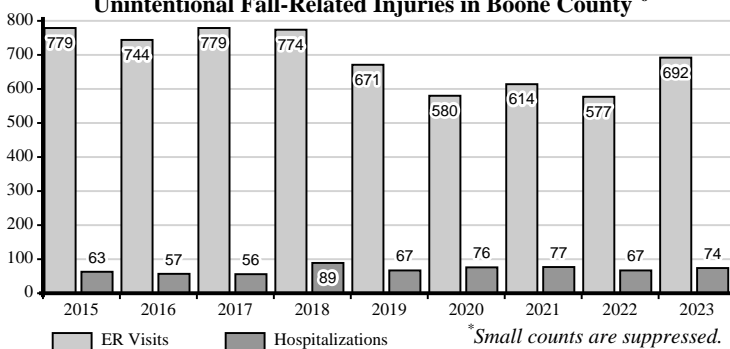


*\*Small counts are suppressed. If all years are suppressed, chart will be blank.*

**Average Monthly Number of Recipients and Households Receiving Food Assistance in Boone County<sup>8</sup>**

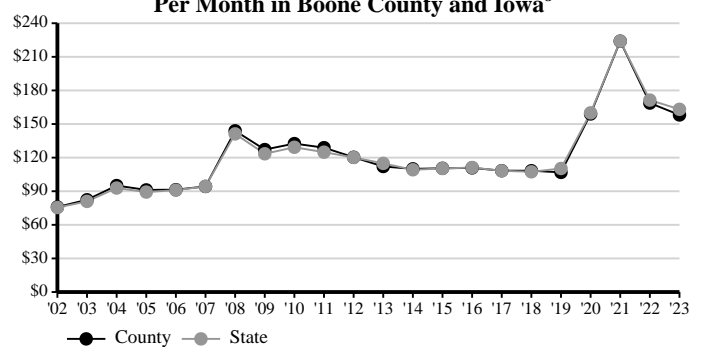


**Number of ER Visits and Hospitalizations with a Diagnosis of Unintentional Fall-Related Injuries in Boone County<sup>\*6</sup>**

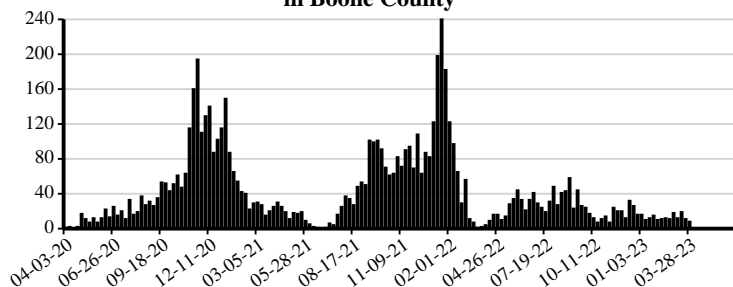


*\*Small counts are suppressed.*

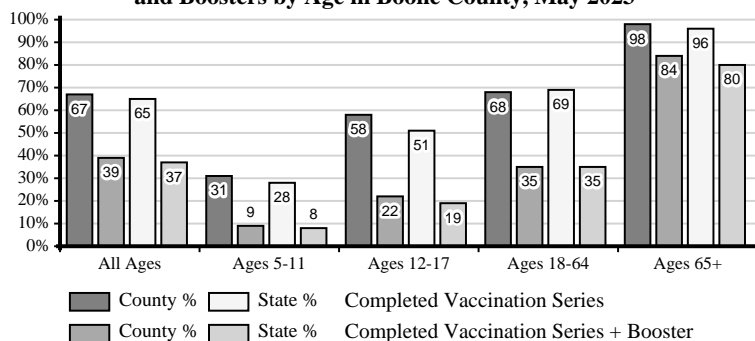
**Average Food Assistance Benefits Paid Per Recipient Per Month in Boone County and Iowa<sup>8</sup>**



**Number of Weekly Reported COVID-19 Cases in Boone County<sup>9</sup>**



**Cumulative Percentage of Population with COVID-19 Vaccinations and Boosters by Age in Boone County, May 2023<sup>10</sup>**



**Primary Care Physicians, Dentists, and Mental Health Providers in Boone County and Iowa<sup>1</sup>**

	County Providers	County Population per Provider	State Providers	State Population per Provider
<b>Primary Physicians</b>				
2021	12	2,227	2,305	1,385
2020	14	1,877	2,331	1,357
2019	13	2,018	2,343	1,347
<b>Dentists</b>				
2022	11	2,419	2,268	1,411
2021	11	2,429	2,231	1,431
2020	11	2,389	2,203	1,436
<b>Mental Health</b>				
2023	19	1,400	6,358	503
2022	17	1,572	6,001	532
2021	18	1,460	5,555	569

**Number of Hospitals, Nursing Facilities, and Beds in Boone County and Iowa<sup>11</sup>**

	County		State	
	2019	2021	2019	2021
Hospitals	1	1	122	120
Hospital Beds	42	42	11,771	11,423
Nursing Facilities	4	4	419	414
Nursing Facility Beds	322	310	29,581	28,474

**3-Year Cumulative Reported COVID-19 Cases and Rates per 100,000, March 2020 - March 2023<sup>9</sup>**

	County	State
Cumulative Cases	6,573	908,936
Cumulative Rate *	24,604 / 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<sup>12</sup>**



\*Population 18 and older. Percent estimates are considered experimental.

**Total Deaths and COVID-19 Deaths 2020-2023 in Boone County and Iowa<sup>4</sup>**

	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	364	33,968
COVID-19 Deaths 2022	17	1,700
COVID-19 Deaths as % of all Deaths 2022	4.7%	5.0%
Total Deaths 2021	334	34,216
COVID-19 Deaths 2021	27	3,015
COVID-19 Deaths as % of all Deaths 2021	8.1%	8.8%
Total Deaths 2020	332	35,975
COVID-19 Deaths 2020	15	4,306
COVID-19 Deaths as % of all Deaths 2020	4.5%	12.0%

\*Small counts are suppressed.

**Number of Persons Receiving Substance Use Treatment by Substance Type in Boone County and Iowa<sup>13</sup>**

	County		State	
	2022	2023	2022	2023
Total Persons Treated	100	79	17,703	17,609
Alcohol	44	31	7,597	7,645
Marijuana/Hashish	21	11	3,163	3,127
Methamphetamine	23	30	4,899	4,687
Other Substances	20	0	1,501	1,686

\*Small treatment counts are suppressed.

**Disability Characteristics, 2018-2022<sup>14</sup>**

	County		State	
	Estimate	MOE <sup>†</sup>	Estimate	MOE <sup>†</sup>
<b>Total Population</b>	26,266	+/-54	3,142,658	+/-508
With a Disability	11.9%	+/-1.4%	12.2%	+/-0.1%
Hearing	3.5%	+/-0.7%	3.8%	+/-0.1%
Vision	2.4%	+/-0.8%	1.9%	+/-0.1%
Cognitive	3.8%	+/-0.9%	4.9%	+/-0.1%
Ambulatory	5.6%	+/-0.8%	5.8%	+/-0.1%
Self care	1.6%	+/-0.5%	2.1%	+/-0.1%
Independent Living	5.5%	+/-1.2%	5.1%	+/-0.1%
<b>Ages 18-64</b>	15,883	+/-121	1,878,854	+/-1,559
With a Disability	9.0%	NA	7.2%	NA
Hearing	2.2%	+/-0.6%	2.1%	+/-0.1%
Vision	2.4%	+/-0.8%	1.6%	+/-0.1%
Cognitive	3.2%	+/-1.1%	4.7%	+/-0.1%
Ambulatory	3.6%	+/-0.9%	3.9%	+/-0.1%
Self care	1.1%	+/-0.6%	1.5%	+/-0.1%
Independent Living	3.7%	+/-1.1%	3.5%	+/-0.1%
<b>Ages 65-74</b>	3,087	+/-71	316,485	+/-730
With a Disability	23.7%	+/-5.4%	22%	+/-0.5%
Hearing	6.5%	+/-2.3%	9.3%	+/-0.3%
Vision	4.4%	+/-2.6%	3.2%	+/-0.2%
Cognitive	4.1%	+/-2.7%	3.9%	+/-0.2%
Ambulatory	13.9%	+/-4%	11.9%	+/-0.4%
Self care	2.3%	+/-1.7%	3.1%	+/-0.2%
Independent Living	8.9%	+/-4.1%	5.5%	+/-0.2%
<b>Ages 75 and above</b>	1,772	+/-50	218,340	+/-720
With a Disability	43.8%	+/-6.5%	43.3%	+/-0.6%
Hearing	19.5%	+/-6%	21.8%	+/-0.5%
Vision	5.1%	+/-2.7%	7.2%	+/-0.4%
Cognitive	8.1%	+/-3.3%	9.1%	+/-0.4%
Ambulatory	22.3%	+/-4.9%	25.4%	+/-0.6%
Self care	8.1%	+/-3.9%	8.5%	+/-0.3%
Independent Living	15.9%	+/-5.1%	18.2%	+/-0.5%

**Educational Attainment, 2018-2022<sup>14</sup>**

	County		State	
	Estimate	MOE <sup>†</sup>	Estimate	MOE <sup>†</sup>
Population 25 and older	19,033	+/-133	2,131,202	+/-967
High School Graduate or Higher	95.2%	+/-1.1%	93%	+/-0.1%
Bachelor's Degree or Higher	26.4%	+/-2.1%	30.3%	+/-0.3%

**Percentage of Population by Age<sup>15</sup>**

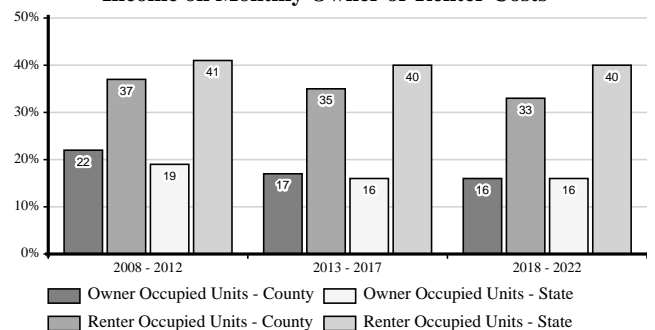
Age Groups	County		State	
	2010	2020	2010	2020
17 or younger	23.9%	23.1%	23.9%	23.2%
18 - 24	7.6%	6.7%	10.0%	9.8%
25 - 44	23.6%	23.9%	24.5%	24.6%
45 - 64	29.0%	26.2%	26.7%	24.5%
65 or older	15.9%	20.1%	14.9%	18.0%
65 - 84	13.3%	17.5%	12.4%	15.6%
85 or older	2.6%	2.7%	2.5%	2.4%
Median <sup>a</sup> age (years)	40.8	41.8	38.1	38.6
Age dependency <sup>b</sup>	66.1	76.1	63.4	69.9
Old-age	26.4	35.4	24.3	30.6
Child	39.7	40.7	39.1	39.4

**Percentage of Population by Race/Hispanic Origin<sup>15</sup>**

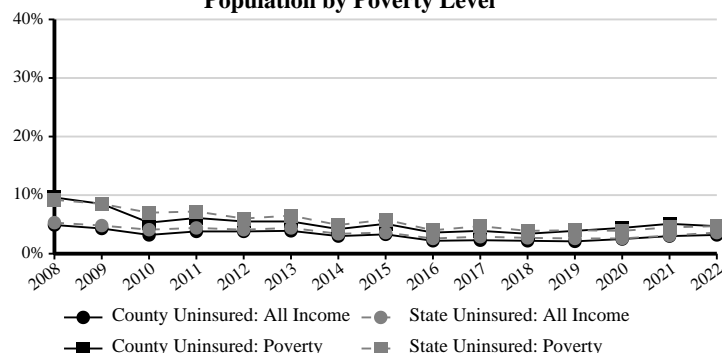
Race Groups	County		State	
	2010	2020	2010	2020
One race only	99.0%	96.1%	98.2%	94.4%
White	97.0%	93.4%	91.3%	84.5%
White alone, not Hispanic	95.8%	92.5%	88.7%	82.7%
Black or African American	0.8%	1.1%	2.9%	4.1%
Asian	0.3%	0.4%	1.7%	2.4%
American Indian	0.3%	0.2%	0.4%	0.5%
Hawaiian/Pacific Islander	0.0%	0.0%	0.1%	0.2%
Other	0.6%	0.9%	1.8%	2.8%
Two or more races	1.0%	3.9%	1.8%	5.6%
Hispanic origin <sup>a</sup>	1.9%	2.7%	5.0%	6.8%

<sup>a</sup>Hispanics can be of any race.

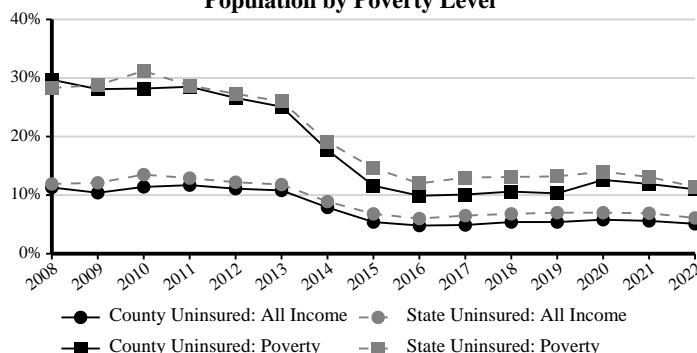
**Percent of Households Spending 30% or More of Household Income on Monthly Owner or Renter Costs<sup>14</sup>**



**Ages 0-18 Percent Health Uninsured Population by Poverty Level<sup>16</sup>**



**Ages 18-64 Percent Health Uninsured Population by Poverty Level<sup>16</sup>**

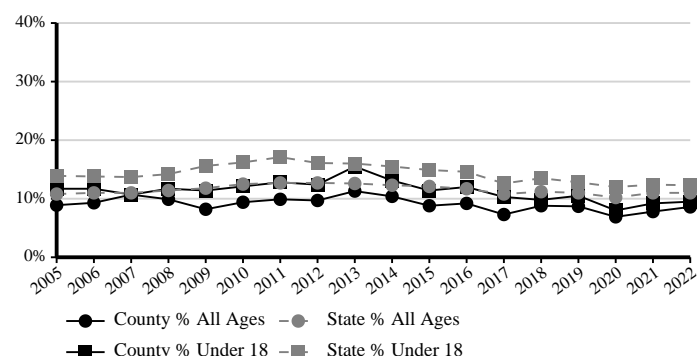


**Median<sup>a</sup> Household and Per Capita Income, 2018-2022<sup>14</sup>**

	County		State	
	Estimate	MOE <sup>†</sup>	Estimate	MOE <sup>†</sup>
Total Households	10,893	+/- 213	1,290,139	+/- 4,032
Median Household Income	\$75,759	+/- \$5,710	\$70,571	+/- \$395
Median Family Income	\$97,936	+/- \$3,152	\$90,921	+/- \$579
Per Capita Income	\$38,479	+/- \$1,708	\$37,949	+/- \$241

<sup>†</sup>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<sup>17</sup>**



## Information in this document was derived from:

<sup>1</sup>County Health Rankings and Roadmaps:

<https://www.countyhealthrankings.org/>

<sup>2</sup>Centers for Disease Control and Prevention, CDC WONDER, Multiple Cause of Death: <https://wonder.cdc.gov/mcd.html>

<sup>3</sup>Iowa Dept of Transportation, Iowa Crash Analysis Tool:

<https://icat.iowadot.gov/>

<sup>4</sup>Iowa Dept of Health and Human Services, Vital Statistics of Iowa Annual Report: <https://hhs.iowa.gov/public-health/health-statistics>

<sup>5</sup>Iowa Cancer Registry, special data request: <https://shri.public-health.uiowa.edu/cancer-data/> and

[https://uiowa.qualtrics.com/jfe/form/SV\\_6G7RizLRVgVf1C6](https://uiowa.qualtrics.com/jfe/form/SV_6G7RizLRVgVf1C6)

<sup>6</sup>Iowa Public Health Tracking Portal: <https://hhs.iowa.gov/public-health/data>

<sup>7</sup>Feeding America, Map the Meal Gap, requested data:

<https://map.feedingamerica.org/> and

<https://www.feedingamerica.org/research/map-the-meal-gap/by-county>

<sup>8</sup>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](https://data.iowa.gov/Economic-Supports/Total-Food-Assistance-Allotments-and-Average-House/vhhz-nz4t/about_data)

<sup>9</sup>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/>

<sup>10</sup>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/>

<sup>11</sup>Iowa Health Fact Book: <https://iowahealthfactbook.org/>

<sup>12</sup>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>

<sup>13</sup>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>

<sup>14</sup>American Community Survey, 5-year estimates, U.S. Census Bureau:

<https://www.census.gov/>

<sup>15</sup>Decennial Censuses, U.S. Census Bureau: <https://www.census.gov/programs-surveys/decennial-census/decade/2020/2020-census-main.html>

<sup>16</sup>Small Area Health Insurance Estimates, U.S. Census Bureau:

<https://www.census.gov/programs-surveys/sahie.html>

<sup>17</sup>Small Area Income and Poverty Estimates, U.S. Census Bureau:

<https://www.census.gov/programs-surveys/saie.html/>

<sup>a</sup>Median is the middle value of a distribution.

<sup>b</sup>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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