



# Central Iowa COVID19 Update

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Monday, October 12, 2020



Aperio

Statistical Consulting

Dr. Meg Schaeffer





# Central Iowa COVID19 Update

## Quick Stats<sup>1</sup>

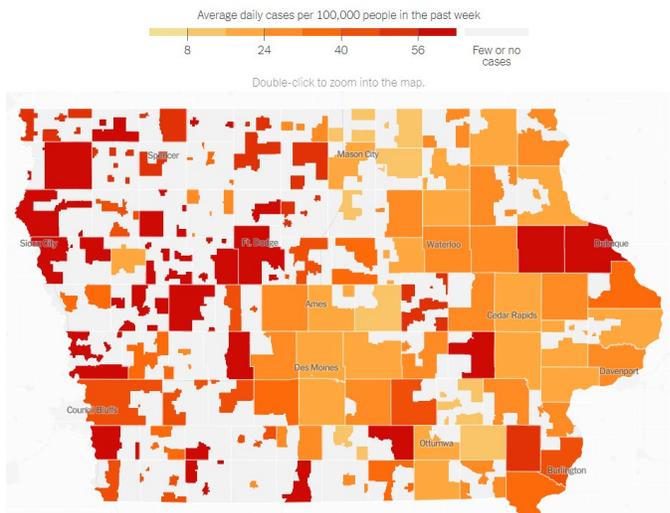
	Polk County	Iowa
7d Lab Test Positivity	7%	9%
14d Lab Test Positivity	6%	10%
Total cases per 100,000	132	221
Average daily cases the last 7d	98	969
Average 7-day new cases per 100,000	20	30

<sup>1</sup>All data are sourced from <https://coronavirus.iowa.gov/pages/case-counts> with previous days refreshed daily. When recent data are unavailable, data from <https://github.com/nytimes/covid-19-data> may be used. Population of Polk County used is 490,161. Population of Iowa used is 3.155 million. Averages and percent positivity are subject to change with retrospectively refreshed data.

## Critical Points

- Polk County activity is increasing again, though the trend is not yet statistically significant.
- Hospitalizations are the highest of any point in the outbreak at 463.

	TOTAL CASES	PER 100,000	CASES IN LAST 7 DAYS	▼ PER 100,000	WEEKLY CASES PER CAPITA
					FEWER MORE
+ North Dakota MAP »	27,742	3,640	3,716	488	
+ South Dakota MAP »	28,925	3,270	3,548	401	
+ Montana MAP »	19,205	1,797	3,995	374	
+ Wisconsin MAP »	160,855	2,759	18,485	317	
Guam	4,139	2,457	461	274	
+ Utah MAP »	86,858	2,709	8,226	257	
+ Nebraska MAP »	52,839	2,732	4,575	237	
+ Idaho MAP »	48,663	2,723	4,191	235	
+ Iowa MAP »	100,195	3,176	7,197	228	
+ Oklahoma MAP »	100,184	2,532	8,070	204	



## NYT US Activity

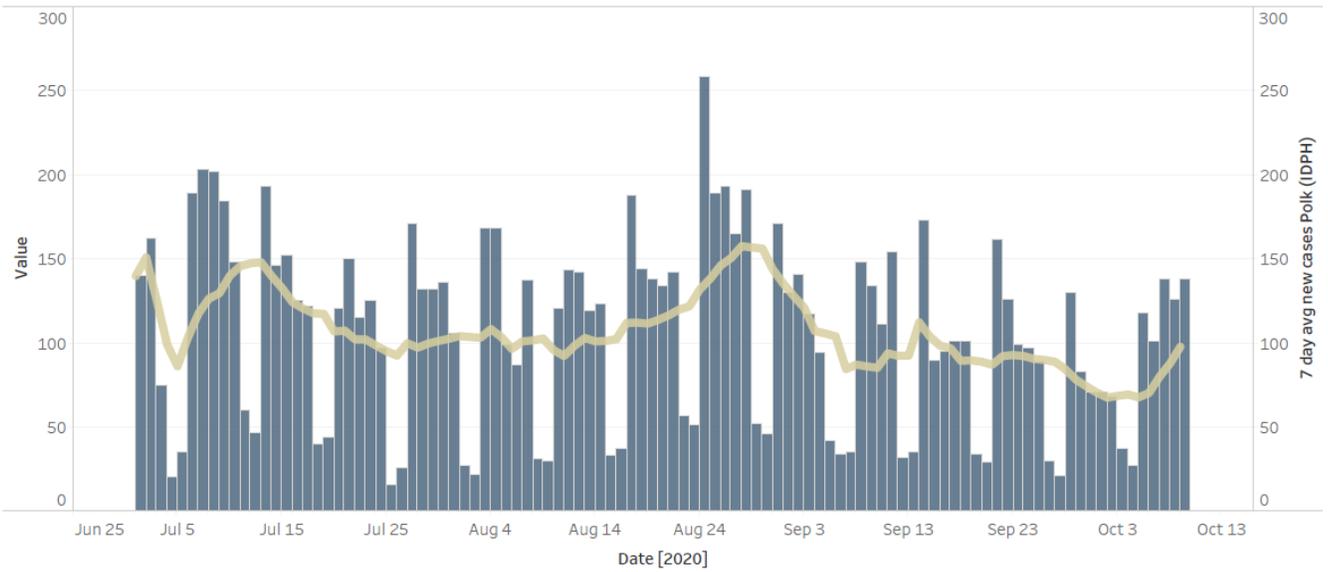
## Research & Media

- Johnson and Johnson pauses clinical trial after participant experiences unexplained illness.
- <https://www.cnn.com/2020/10/12/health/johnson-coronavirus-vaccine-pause-bn/index.html>
- Dr. Fauci warns of a difficult winter with the recent rise in cases.
- <https://www.cnn.com/2020/10/12/health/johnson-coronavirus-vaccine-pause-bn/index.html>
- A single 13-year-old infected 11 family members in four states during a summer vacation.
- <https://www.chicagotribune.com/coronavirus/ct-cdc-report-family-gathering-local-20201012-7f7i6sosi5ep7dhoq3e2bpgavi-story.html>
- A Lancet study details reinfection of a 25-year-old male with a genetically distinct virus.
- [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(20\)30764-7/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(20)30764-7/fulltext)
- Seasonal coronavirus immunity is short-lived. A study in Nature determined immunity lasts about six months; reinfection is possible after three months.
- <https://www.nature.com/articles/s41591-020-1083-1>

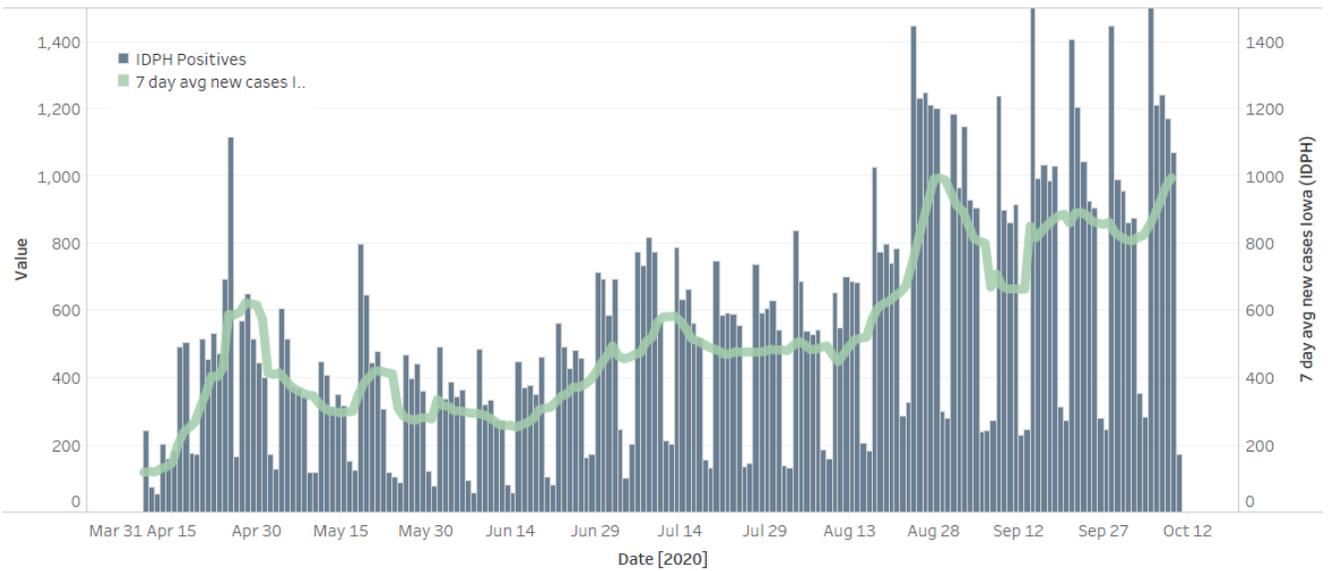
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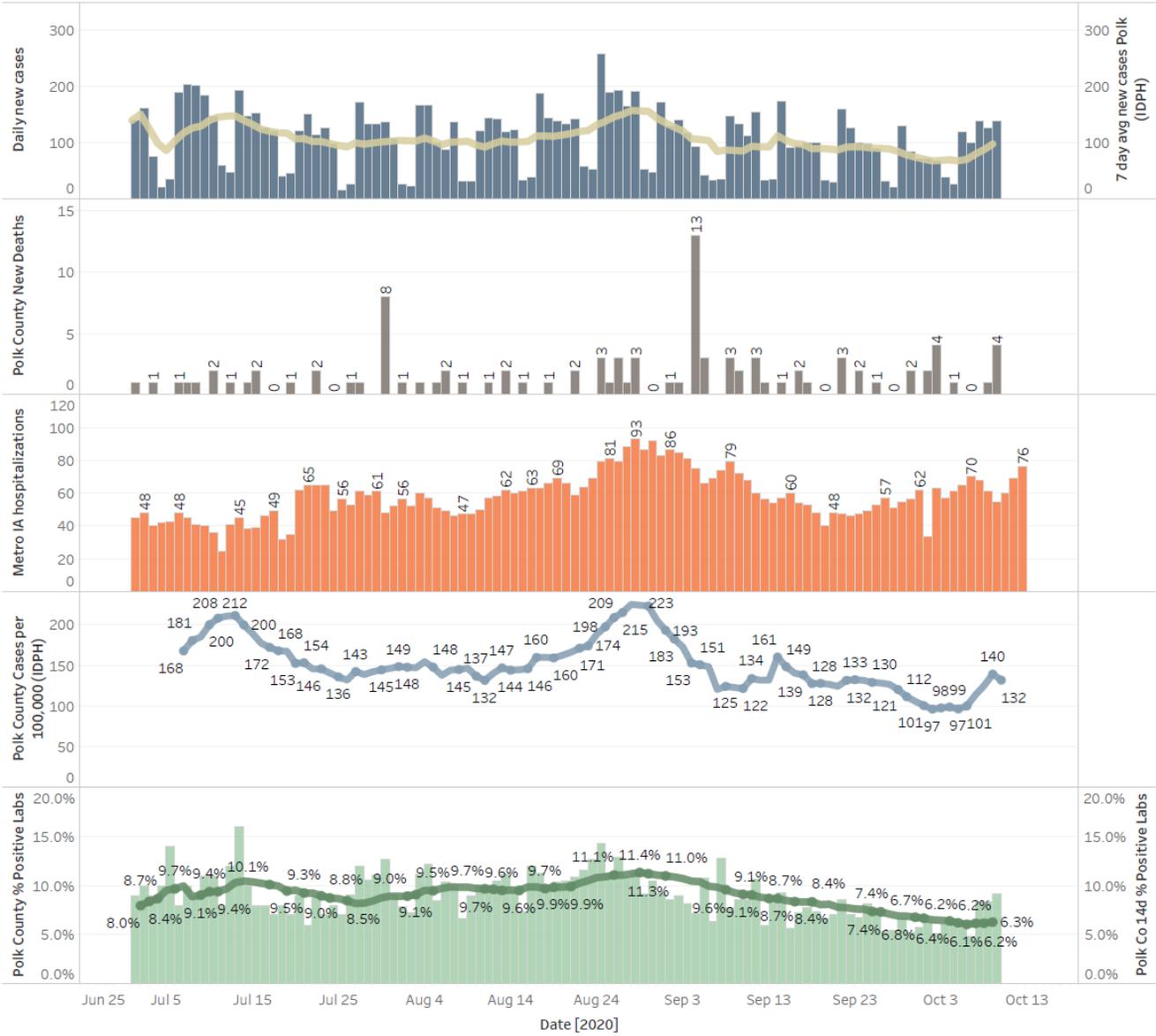
### Polk County Cases by Day and 7d Moving Average



### Iowa Cases by Day and 7d Moving Average



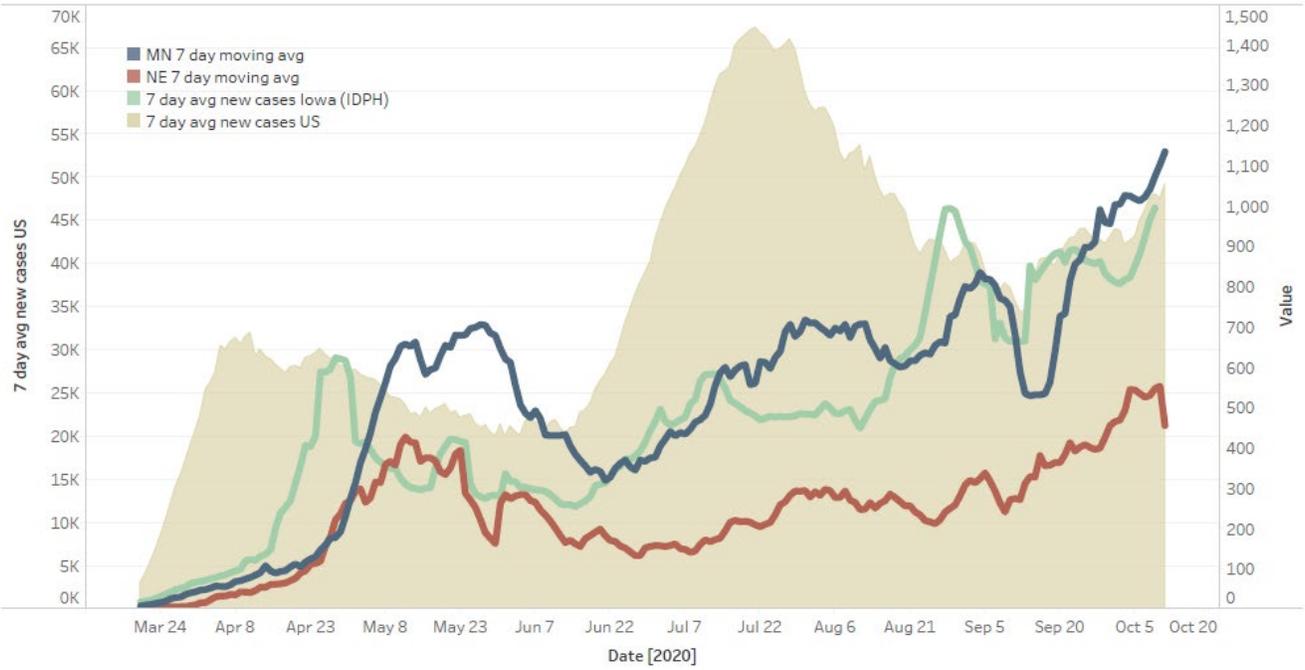
### Polk County Activity View



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## US and Border State Cases



## US, Iowa, MN, NE New Daily Cases

