



Central Iowa COVID19 Update

Monday, September 21, 2020



Aperio

Statistical Consulting

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Central Iowa COVID19 Update

Quick Stats¹

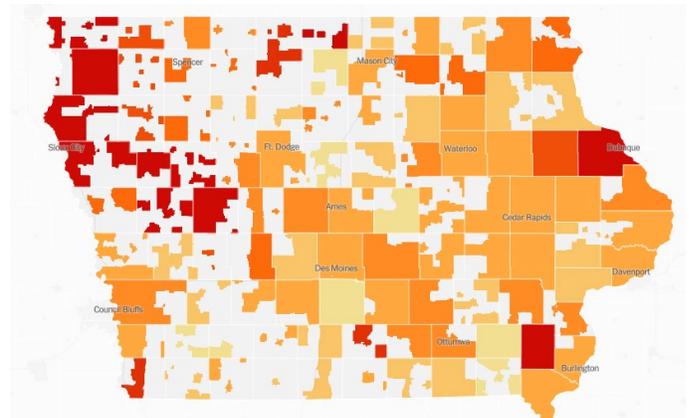
	Polk County	Iowa
7d Lab Test Positivity	7%	8%
14d Lab Test Positivity	7%	9%
Total cases per 100,000	127	125
Average daily cases the last 7d	89	569
Average 7-day new cases per 100,000	18	30

¹All 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 used is 490,161. Averages and percent positivity are subject to change with retrospectively refreshed data.

Critical Points

- Polk County trends are not holding to a deceleration. The state is substantially increasing, though it is important to note neither the county or state increases are statistically significant yet.
- Iowa is still among the states with the highest number of cases per capita.

	TOTAL CASES	PER 100,000	CASES IN LAST 7 DAYS	PER 100,000	WEEKLY CASES PER CAPITA
			▼ PER 100,000		FEWER MORE
+ North Dakota MAP »	18,247	2,394	2,381	312	
+ South Dakota MAP »	18,869	2,133	2,058	233	
+ Wisconsin MAP »	108,656	1,866	12,620	217	
+ Oklahoma MAP »	77,908	1,969	7,453	188	
+ Utah MAP »	64,399	2,009	5,880	183	
+ Arkansas MAP »	76,364	2,530	5,504	182	
+ Iowa MAP »	80,768	2,560	5,735	182	
+ Missouri MAP »	116,335	1,896	10,384	169	
+ Tennessee MAP »	181,725	2,661	11,311	166	
+ Nebraska MAP »	41,388	2,140	2,895	150	

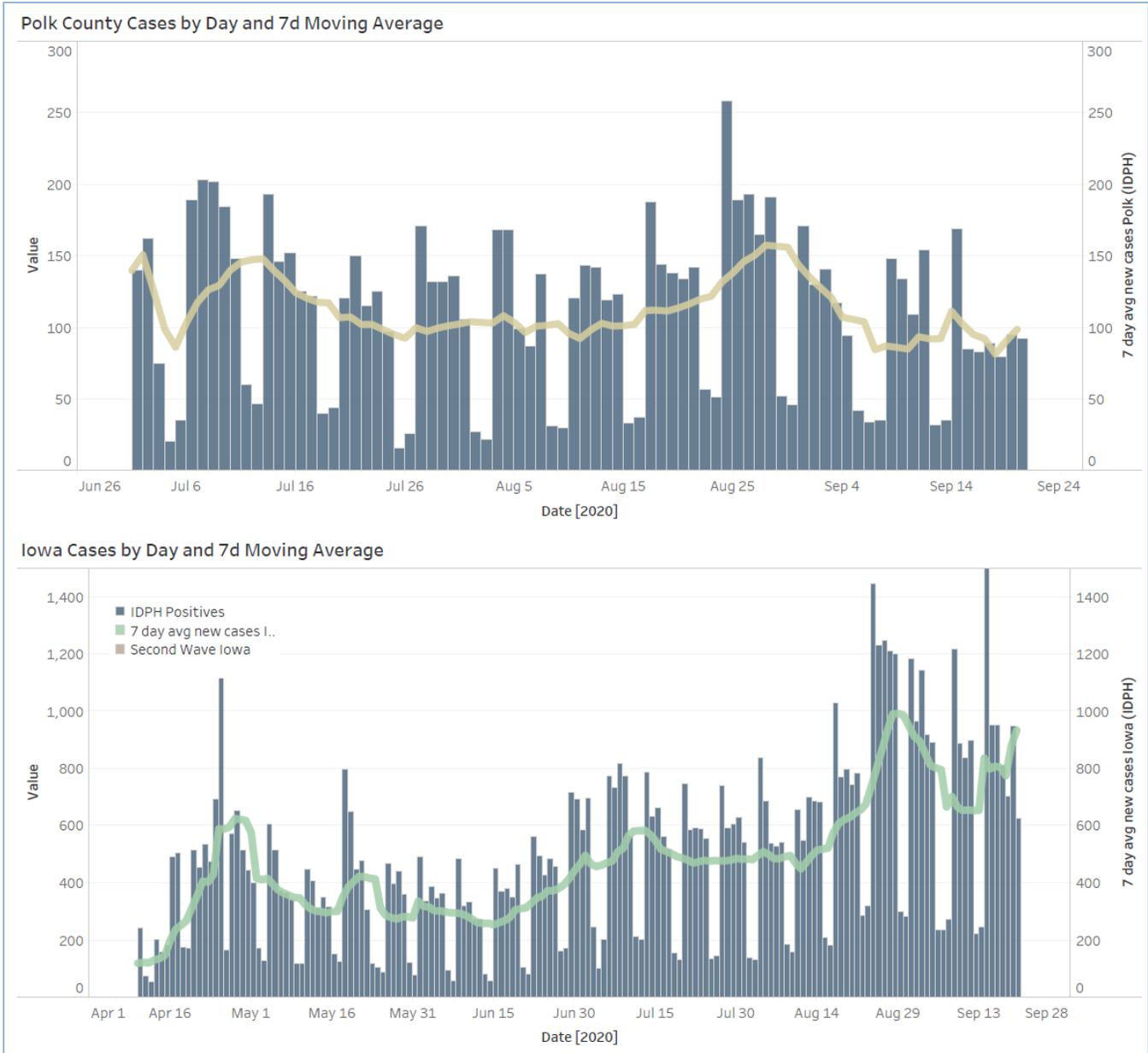


[NYT US Activity](#)

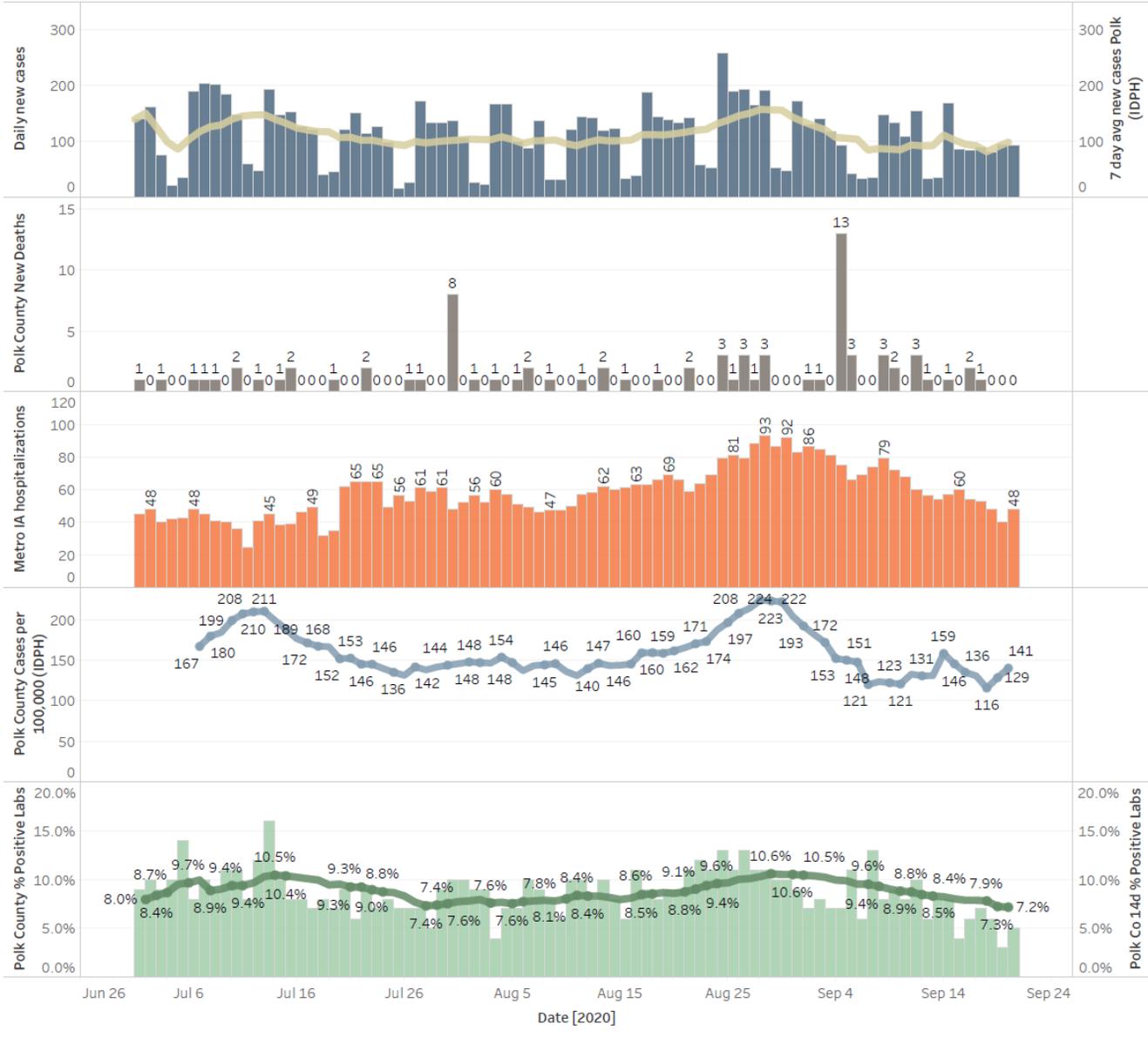
Research & Media

- CDC posted, then withdrew and stated it will repost guidance on airborne transmission of COVID-19.
- <https://www.npr.org/sections/coronavirus-live-updates/2020/09/21/915351325/cdc-publishes-then-withdraws-guidance-on-aerosol-spread-of-coronavirus>
- There is growing evidence of COVID-19 impacts to the heart.
- <https://www.theatlantic.com/health/archive/2020/09/covid-19-heart-pandemic-coronavirus-myocarditis/616420/>
- Asthma may not be a risk factor for serious COVID illness. Asthma prevalence was not higher among hospitalized patients, nor were those with asthma and hospitalized more likely to be intubated.
- <https://www.atsjournals.org/doi/abs/10.1513/AnnalsATS.202006-613RL>
- JAMA examined the differences between influenza and COVID infections in children.
- <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2770250>

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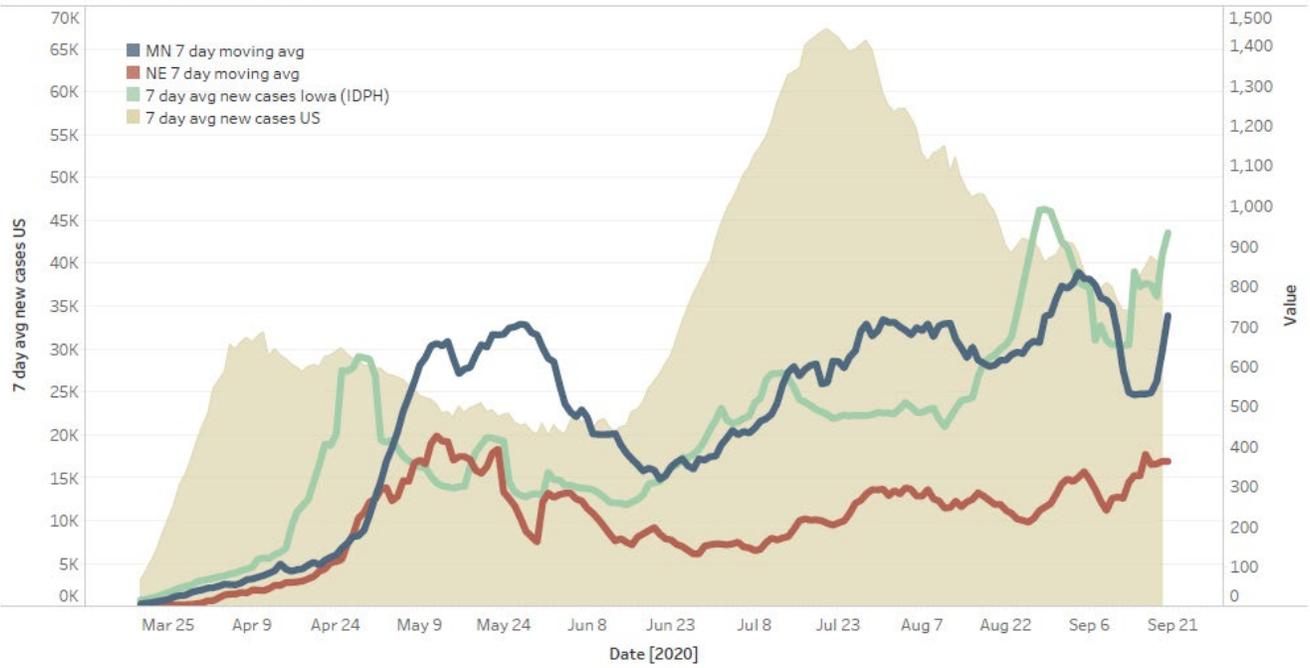
Polk County Activity View



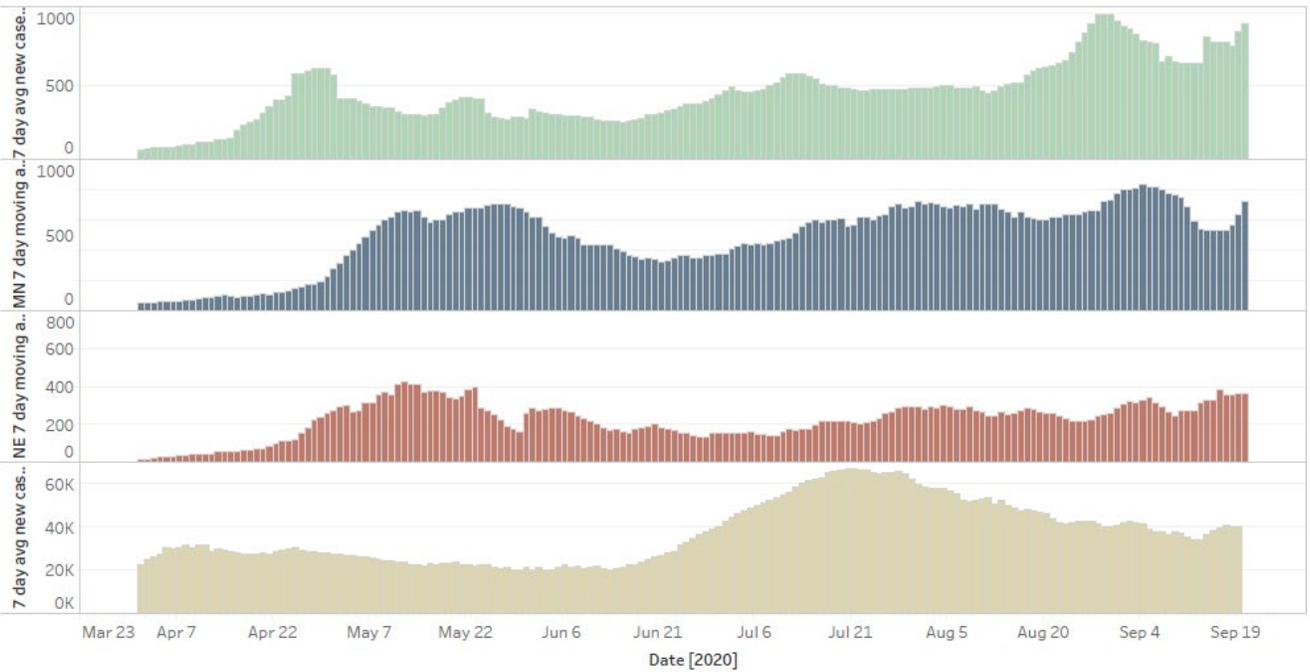
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US and Border State Cases

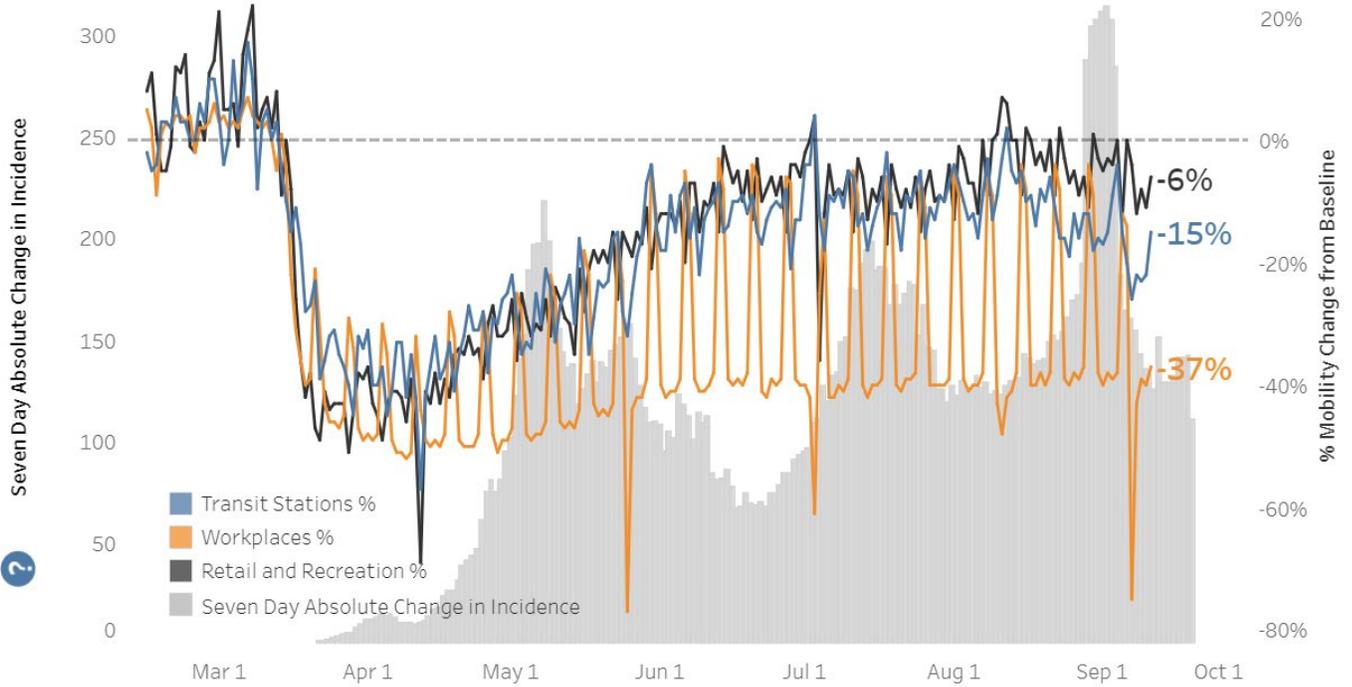


US, Iowa, MN, NE New Daily Cases





Polk County, IA

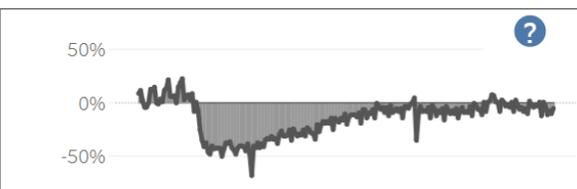


WORKPLACES
-37%

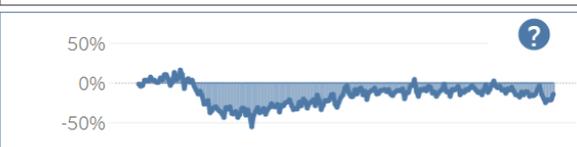


<https://covid.cdc.gov/covid-data-tracker/#mobility>

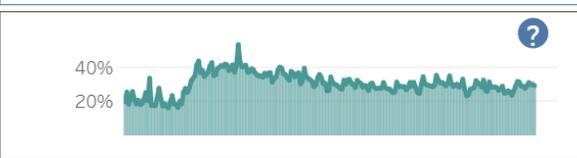
RETAIL AND RECREATION
-6%



TRANSIT STATIONS
-15%



% AT HOME
29%



MOBILITY INDEX
3.9

