



Central Iowa COVID19 Update

Tuesday, September 15, 2020



Statistical Consulting

Dr. Meg Schaeffer





Central Iowa COVID19 Update

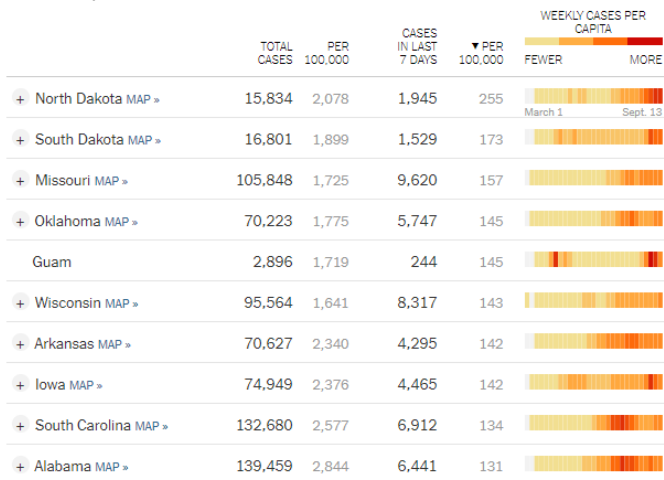
Quick Stats¹

	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

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 and Iowa are gradually decreasing, though all averages and positivity are impacted by low levels of testing over Labor Day weekend.
- Polk County is close to reaching the goal of 100 cases per 100,000 (the past 7 days), and an average daily case counts less than 70.



NYT US Activity

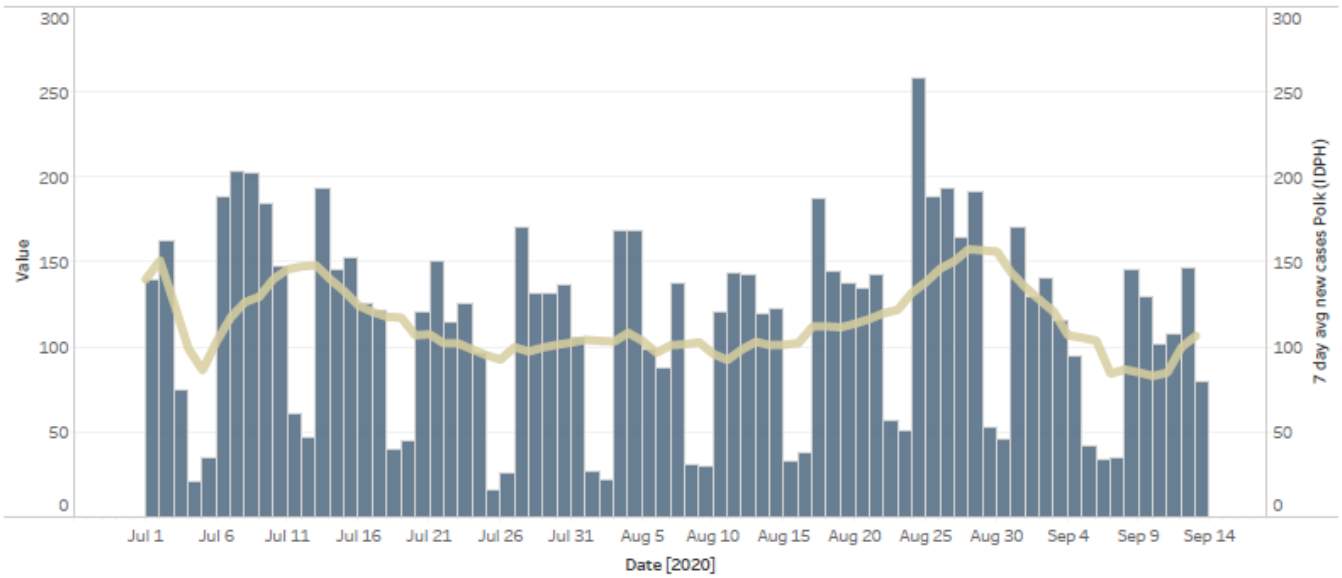
Research & Media

- A study of more than 25,000 respondents found the three most common protective behaviors taken were handwashing (94.7%), keeping a 6-foot distance from others (90.1%), and wearing a mask (86.2%). Persons with a close friend or family member who died of COVID-19 were more likely to have taken protective measures than those who did not. Females, persons of non-White race, persons living in larger households, older adults, and persons with comorbidities took more protective measures. It is important to note these results were self-reported.
- <https://www.mdpi.com/1660-4601/17/17/6295>
- Another study confirms improvement in clinical outcomes with the use of dexamethasone in seriously ill COVID-19 patients.
- <https://jamanetwork.com/journals/jama/fullarticle/2770277>
- A review of 3,222 young adults hospitalized for COVID-19 found substantial rates of adverse outcomes (including 684 in ICU), despite an in-hospital mortality rate lower than reported for older adults.
- <https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/2770542>

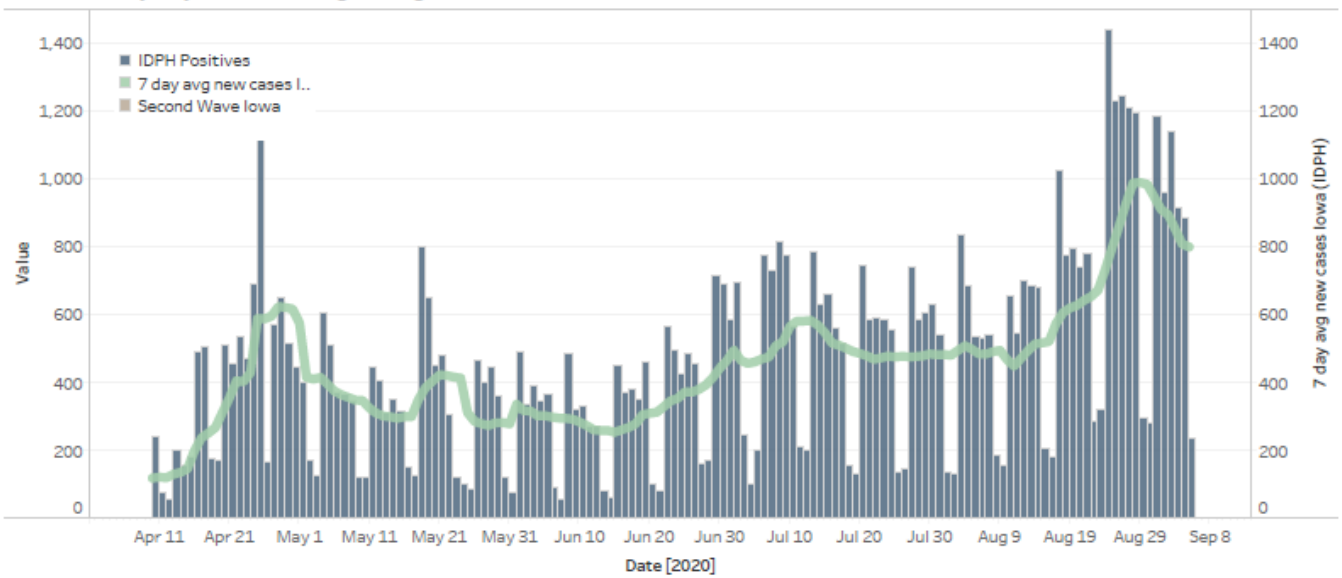
Central Iowa COVID19 Update



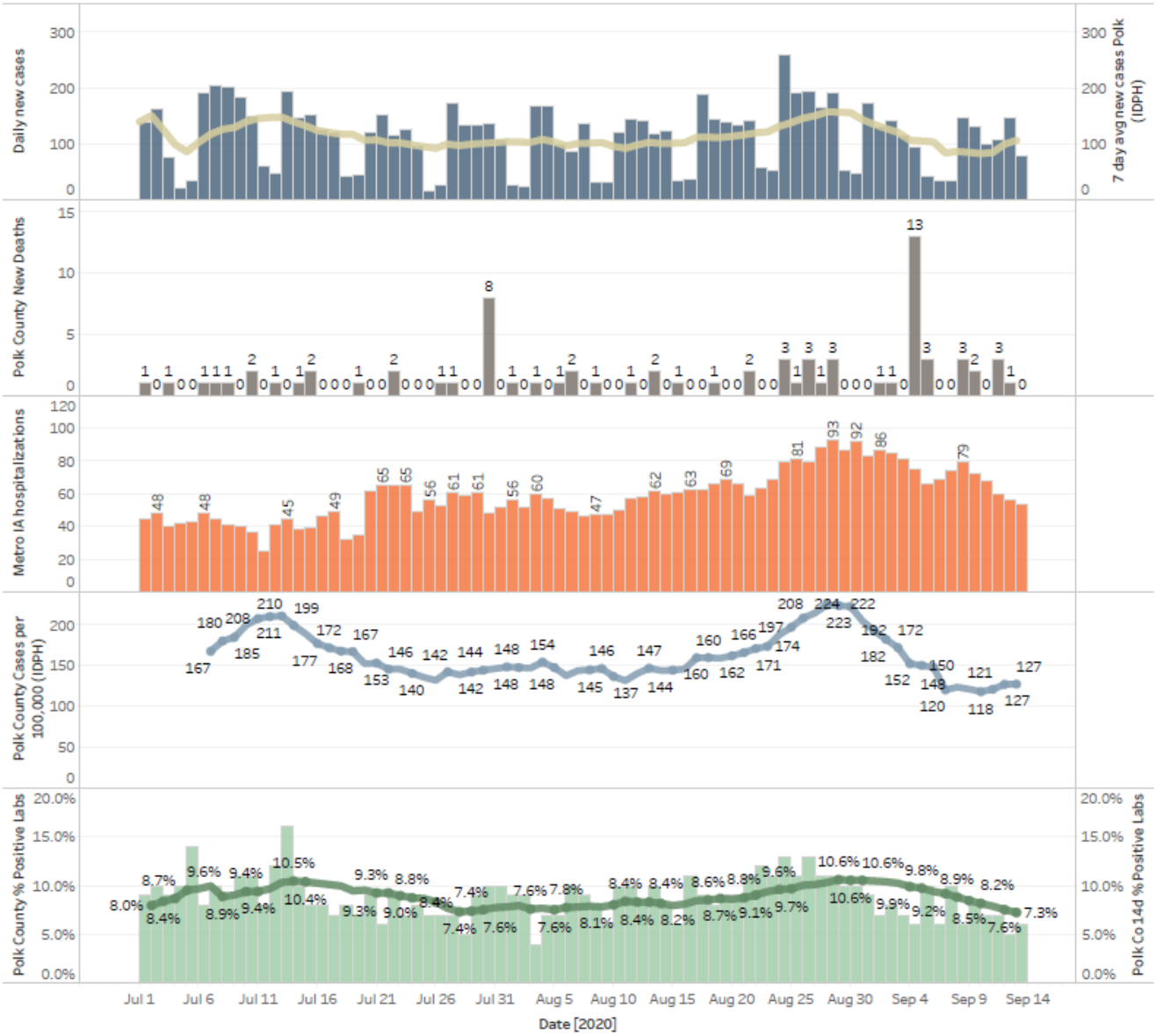
Polk County Cases by Day and 7d Moving Average



Iowa Cases by Day and 7d Moving Average



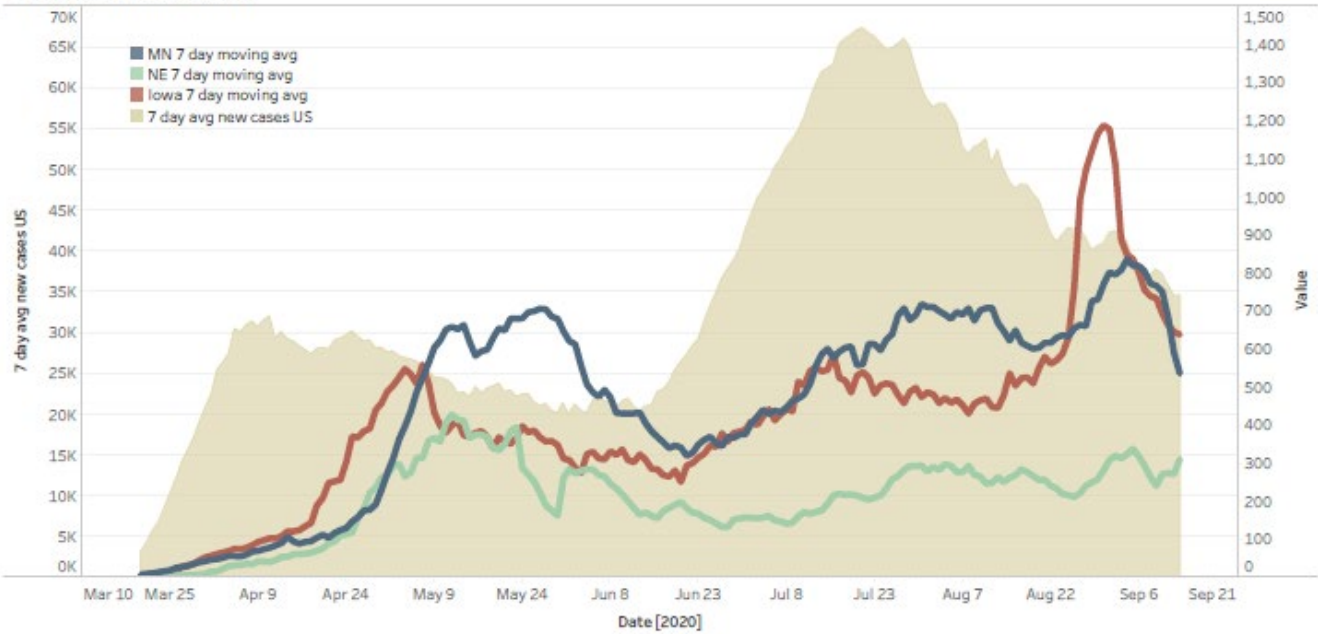
Polk County Activity View



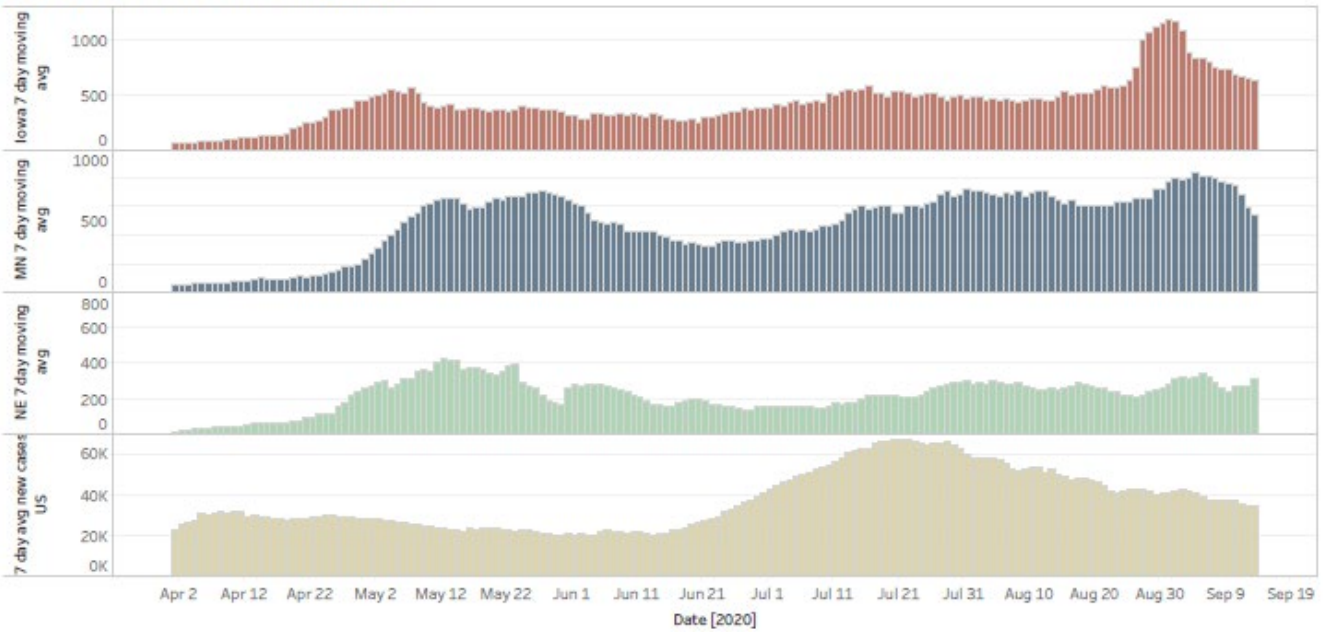
Central Iowa COVID19 Update



US and Border State Cases

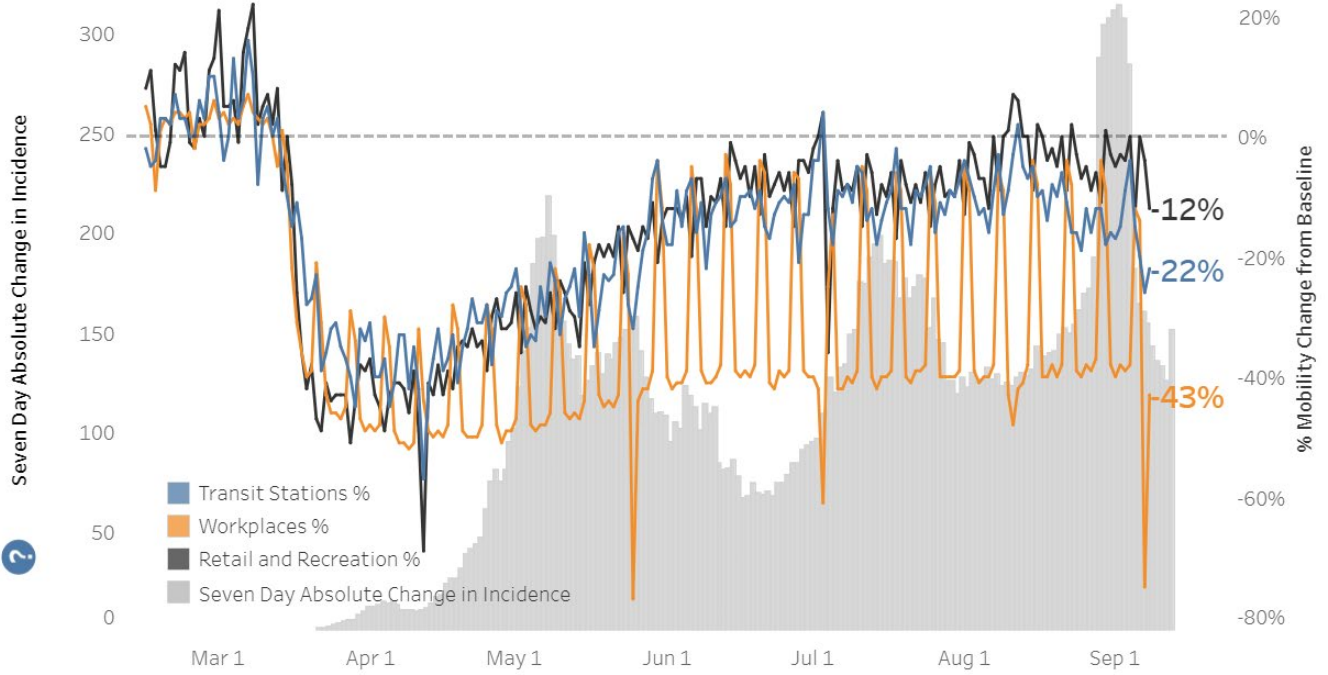


US, Iowa, MN, NE New Daily Cases





Polk County, IA

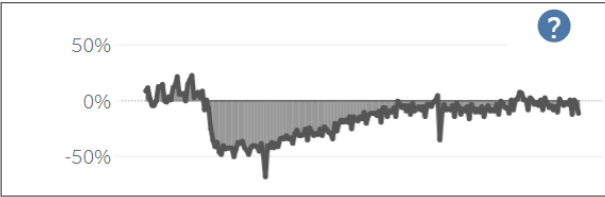


WORKPLACES
-43%

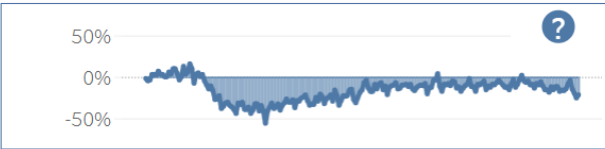


<https://covid.cdc.gov/covid-data-tracker/#mobility>

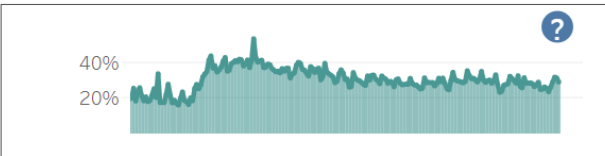
RETAIL AND RECREATION
-12%



TRANSIT STATIONS
-22%



% AT HOME
29%



MOBILITY INDEX
3.8

