



# Central Iowa COVID19 Update

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Monday, June 21, 2021



Dr. Meg Schaeffer



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

	Polk County	Iowa
Percent of population with 1 dose*	5%	3.5%
Percent of population with 2 doses*	49.7%	46.3%
7d Lab Test Positivity	1.9%	1.9%
14d Lab Test Positivity	2.1%	2.1%
Total cases per 100,000 the last 7d	19	19
Total cases per 100,000 the last 14d	28	39
Average daily cases the last 7d	13	84
Average 7-day new cases per 100,000	3	3

\*Percent of entire population vaccinated to represent progress to herd immunity.

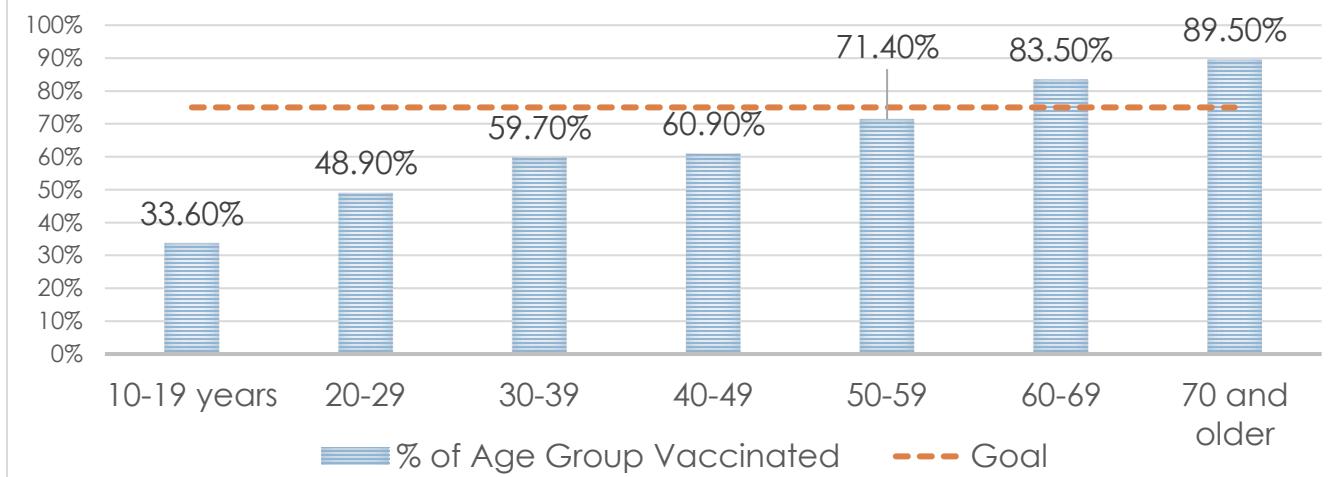
All data are sourced from <https://coronavirus.iowa.gov/pages/case-counts> with previous days refreshed daily. When recent data are unavailable, data from <https://github.com/nytimes/covid-19-data> may be used. Population of Polk County used is 490,161. Population of Iowa used is 3.155 million. Averages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

## Critical Points, Media, and Research

- COVID-19 cases have stabilized statewide and in Polk County. Potential remains for a summer wave and possibly a wave in the fall. The doubling rate of the Delta variant is approximately eight days; it comprises increasing prevalence in Iowa and the US.
- Iowa is administering a little more than 2k doses per day on average. At this rate, herd immunity (between 70-80% immune) will not be reached until the end of the year, however, the expansion of age groups to school age children will likely reduce that timeline.
- Delta Variant
  - [US coronavirus: Cases of Delta variant are 'rapidly increasing' in US, expert says](#)
  - [Delta variant, the UK, and implications for the US](#)
  - [Delta variant could become dominant strain in U.S., CDC director says](#)
- Myocarditis
  - [An update on myocarditis cases](#)
  - [Symptomatic Acute Myocarditis in Seven Adolescents Following Pfizer-BioNTech COVID-19 Vaccination | American Academy of Pediatrics \(aappublications.org\)](#)
- [The indirect effect of mRNA-based Covid-19 vaccination on unvaccinated household members](#)
- [Heterologous ChAdOx1 nCoV-19 and BNT162b2 prime-boost vaccination elicits potent neutralizing antibody responses and T cell reactivity](#)
- [Safety, Immunogenicity, and Efficacy of the BNT162b2 Covid-19 Vaccine in Adolescents | NEJM](#)
- [Novavax Offers U.S. a Fourth Strong Covid-19 Vaccine - The New York Times \(nytimes.com\)](#). The company plans to submit data for FDA consideration in the third quarter of this year.
- [Vermont, Most-Vaccinated State in the U.S., Drops All Covid-19 Restrictions - WSJ](#)
- [Anti-Vaccine Activists Spread Fear About COVID Vaccines With Selective Data](#)
- [Coronavirus update: Latest Covid-19 vaccine and US reopening news – Cases rising in states with lower-than-average vaccination rates](#)
- [U.S. coronavirus infections this fall could reach 20 percent of last winter's peak](#)
- [Multisystem Inflammatory Syndrome in Children — Initial Therapy and Outcomes | NEJM](#)
- [More evidence suggests COVID-19 was in US by Christmas 2019](#)
- [Risk of reinfection after seroconversion to SARS-CoV-2: A population-based propensity-score matched cohort study | Clinical Infectious Diseases - Reinfection ranges between 1-4%](#)
- [COVID-19 Case Investigation and Contact Tracing in the US, 2020 | Infectious Diseases](#)

## Vaccine Progress

### VACCINATION PROGRESS - POLK COUNTY AS OF 6/21/2021



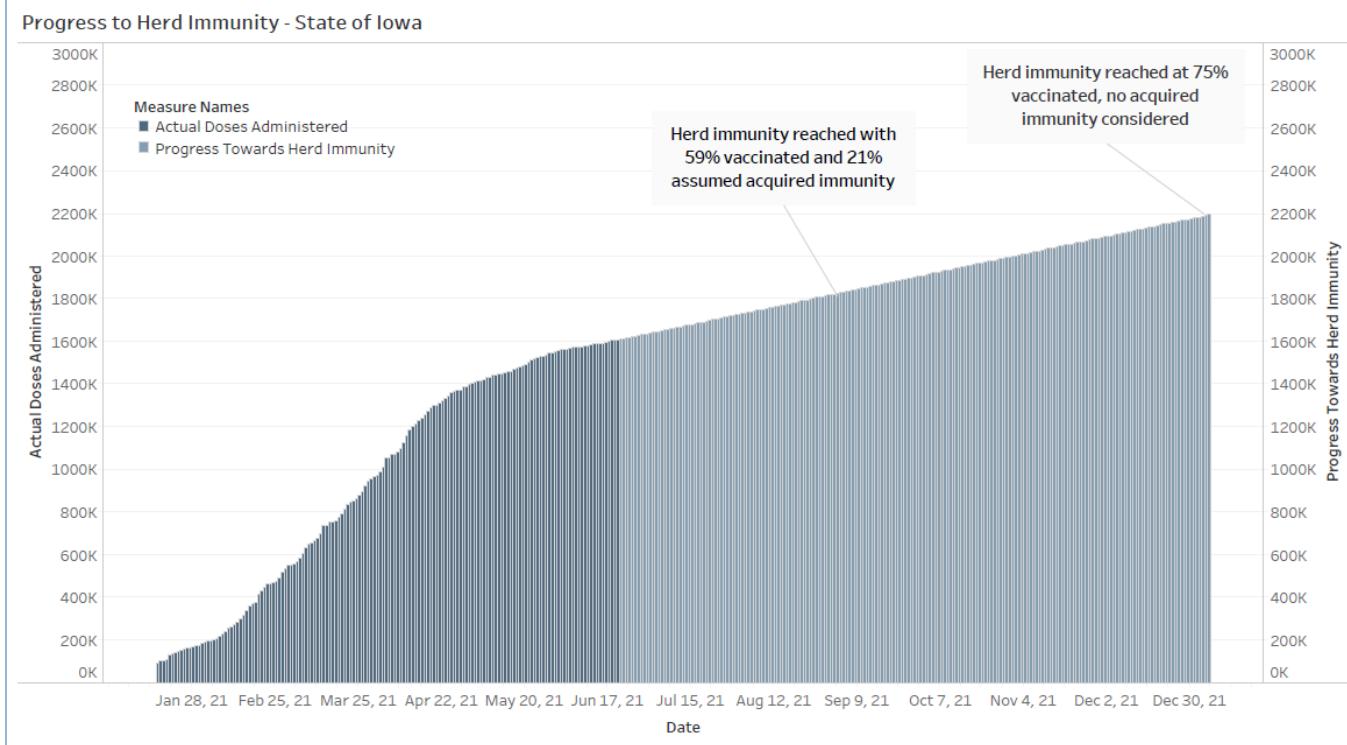
Number of Doses Administered (by date of report)	Initiated Vaccination (1st dose/No Janssen)	Completed Vaccination (2nd dose/Janssen)	Total Polk Co Residents Partially/Fully Vaccinated	Total Population of Polk County (all ages)
483,508	22,716 (5%)	236,486 (50%)	259,202 (54%)	490,121

Age Group	Vaccinated	% Age Group Vaccinated	Estimated Census Population*
10-19 years	20,936	8.10%	33.60%
20-29	33,763	13.00%	48.90%
30-39	41,756	16.10%	59.70%
40-49	39,821	15.40%	60.90%
50-59	42,626	16.40%	71.40%
60-69	41,140	15.90%	83.50%
70 and older	39,160	15.10%	89.50%
Total	259,202		61.80%

\*U.S Census Bureau Polk County (2019 1yr estimate). Census predetermined age data includes non-eligible ages 10 and 11 years old.

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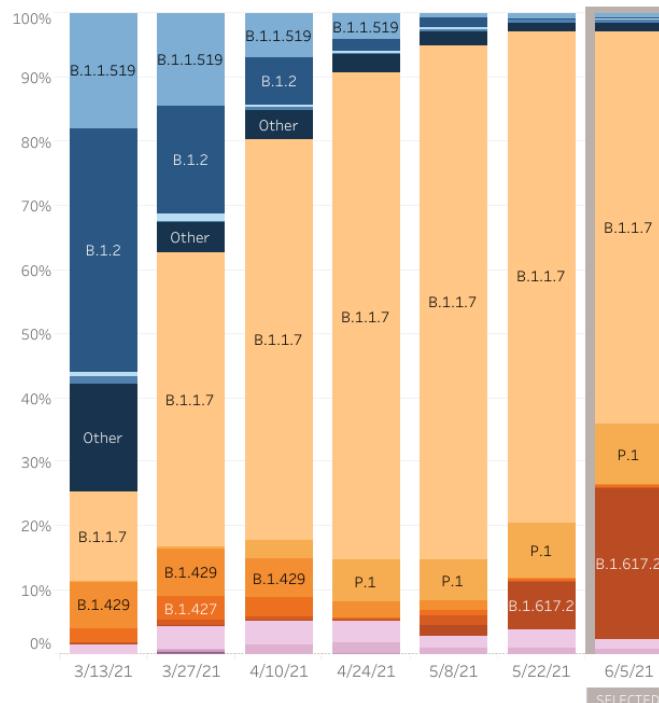


## Variant Prevalence

HHS Region 7: 2/28/2021 – 6/5/2021

HHS Region 7: 5/23/2021 – 6/5/2021 NOWCAST

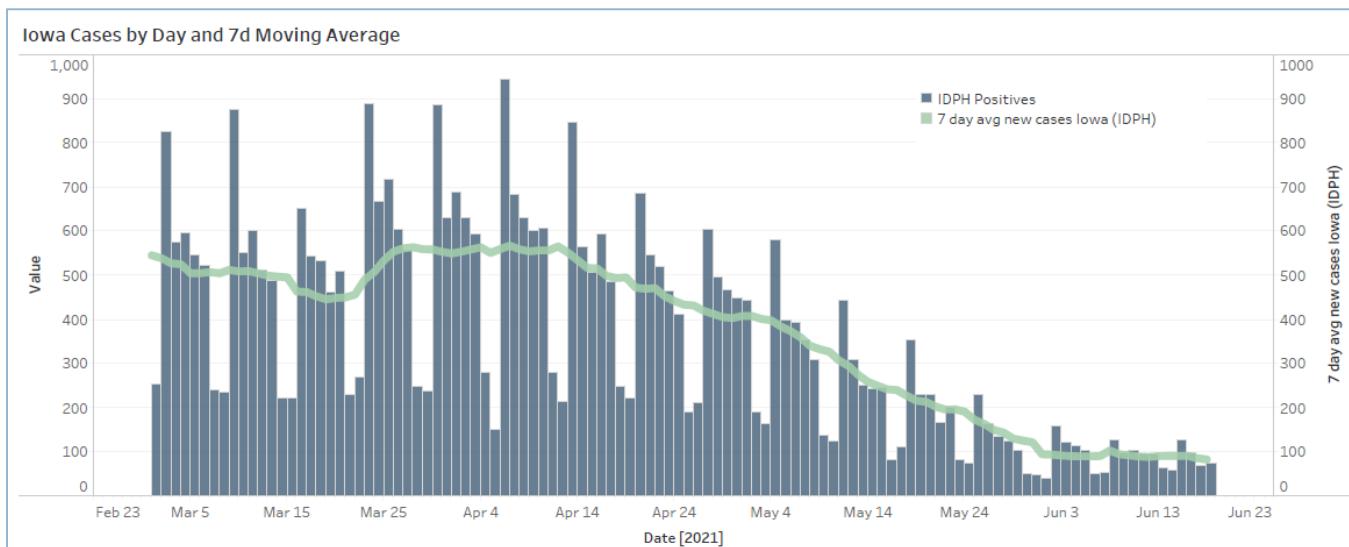
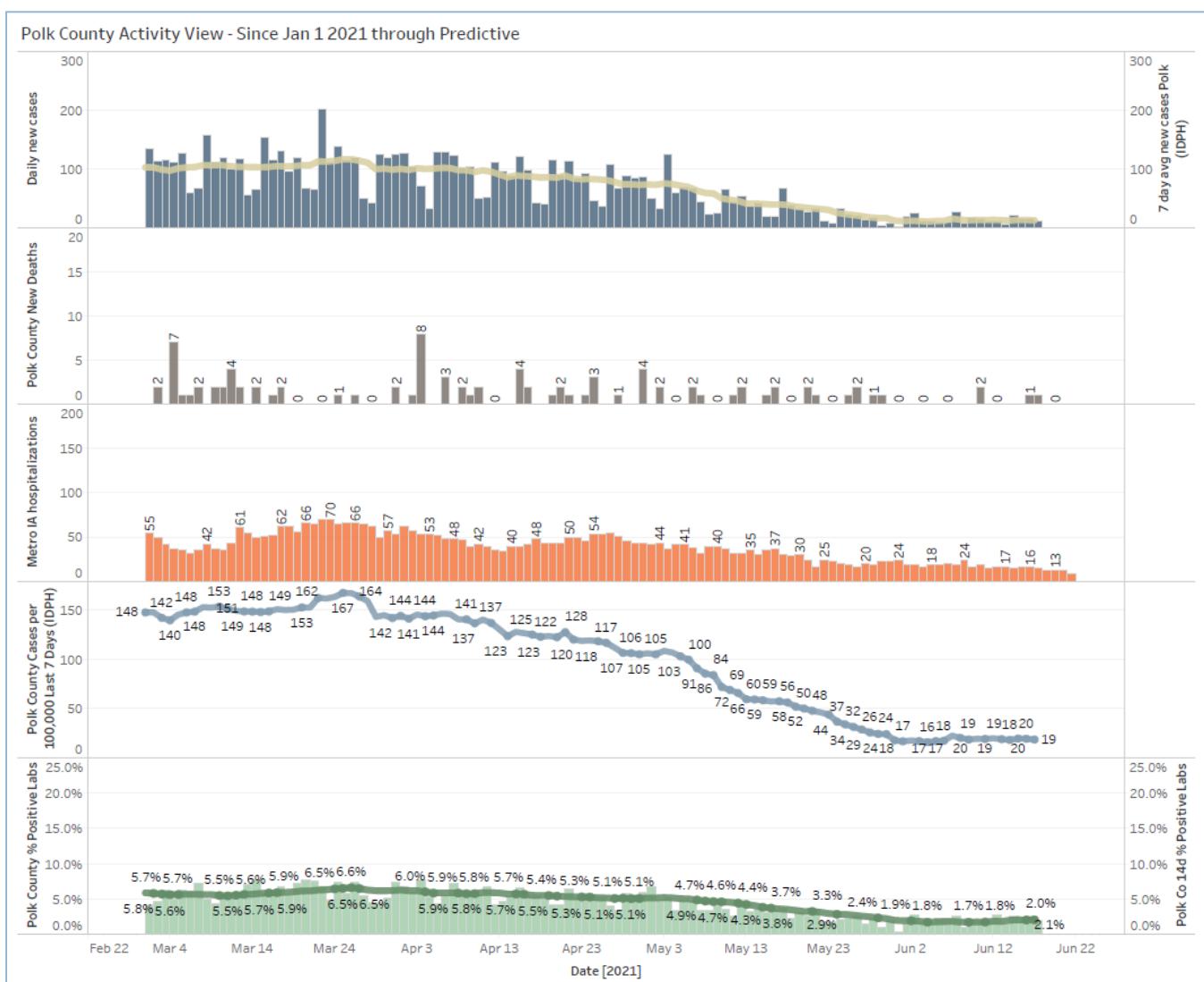
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