

Central Iowa COVID19 Update

Wednesday, April 6, 2022



Statistical Consulting

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Quick Stats

	Polk County	Next Highest Target**	Iowa
Percent of population with at least 1 dose*	74.1%		67.7%
Percent of population with fully vaccinated*	67.4%	85%	61.6%
Average daily cases the last 7d	14		101
CDC County Transmission Level***	Low	Med	
Total cases per 100,000 the last 7d**	20	>200	23
Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)**	0.9%	10-14%	0.45%
New COVID-19 admissions per 100,000 population (7-day total)**	2.6	10-19.9	3

*[Vaccine Information](#) | [Iowa COVID-19 Information](#)

All data are sourced from <https://coronavirus.iowa.gov/pages/case-counts> with previous days refreshed weekly. The 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.

**[CDC COVID Data Tracker](#)

***[COVID-19 County Check Tool](#) | [CDC](#)

Critical Points, Media, and Research

Polk County and Iowa case counts and hospitalizations remain low and stable. Several states in the NE are experiencing case increases, which are challenging to detect with the magnitude of the previous surge. The dominant variant is BA.2, a subvariant of Omicron.

News & Research

- New [CDC analyses](#) shine additional light on the mental health of U.S. high school students during the COVID-19 pandemic, including a disproportionate level of threats that some students experienced.
- Cardiac Complications After SARS-CoV-2 Infection and mRNA COVID-19 Vaccination — PCORnet, January 2021–January 2022. Link [here](#).
- Effectiveness of Homologous and Heterologous COVID-19 Booster Doses Following 1 Ad.26.COV2.S (Janssen [Johnson & Johnson]) Vaccine Dose Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults — VISION Network, 10 States, December 2021–March 2022. Link [here](#).
- Overview and Methodology of the Adolescent Behaviors and Experiences Survey. Link [here](#).
- Use of Tobacco Products, Alcohol, and Other Substances Among High School Students During the COVID-19 Pandemic — January–June 2021. Link [here](#).
- Mental Health, Suicidality, and Connectedness Among High School Students During the COVID-19 Pandemic — Adolescent Behaviors and Experiences Survey, January–June 2021. Link [here](#).
- Perceived Racism and Demographic, Mental Health, and Behavioral Characteristics Among High School Students During the COVID-19 Pandemic — Adolescent Behaviors and Experiences Survey, United States, January–June 2021. Link [here](#).
- Disruptions to School and Home Life Among High School Students During the COVID-19 Pandemic — Adolescent Behaviors and Experiences Survey, United States, January–June 2021. Link [here](#).
- [Audio Interview: Do We Need a Fourth Dose of Covid Vaccine? | NEJM](#)
- [Protection by a Fourth Dose of BNT162b2 against Omicron in Israel | NEJM](#)
- [Not Ready for the End Game — Why Ending Federal Covid-19 Emergency Declarations Will Harm Access to Care](#)



Vaccine Progress

Polk Co Vaccination Rates CDC Covid Data Tracker Data (*)	At Least One Dose	Difference prev week	Fully Vaccinated	Difference prev week
Total	363,084	398	330,397	578
% of Total Population	74.1%	0.1%	67.4%	0.1%
Population ≥ 5 Years of Age	363,037	396	330,397	578
% of Population ≥ 5 Years of Age	79.7%	0.1%	72.5%	0.1%
Population ≥ 12 Years of Age	345,553	318	314,778	450
% of Population ≥ 12 Years of Age	84.5%	0.0%	77.0%	0.1%
Population ≥ 18 Years of Age	317,367	280	289,199	401
% of Population ≥ 18 Years of Age	86.0%	0.1%	78.3%	0.1%
Population ≥ 65 Years of Age	68,556	51	63,701	135
% of Population ≥ 65 Years of Age	95.0%	0.0%	95.0%	0.0%

(*) CDC COVID Data Tracker Data: CDC data includes vaccine administration data from all sources, including IRIS*, other state immunization registries, and federal entities (Bureau of Prisons, Veterans Health Administration, Department of Defense, and Federal Long-Term Care program). These doses may not have been reported to IRIS.

Link to Zip Code-Level Vaccination

Rates - <https://arcg.is/1nTry4>

Polk Co People Fully Vaccinated with a Booster (*)

	Data	Difference prev week
Total	174,233	877
% of Fully Vaccinated Population with a Booster Dose	52.7%	0.1%
Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	174,199	876
% of Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	55.3%	0.2%
Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	167,583	795
% of Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	57.9%	0.1%
Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	51,295	196
% of Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	80.5%	0.1%

(*)The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received booster doses and people who received additional doses.

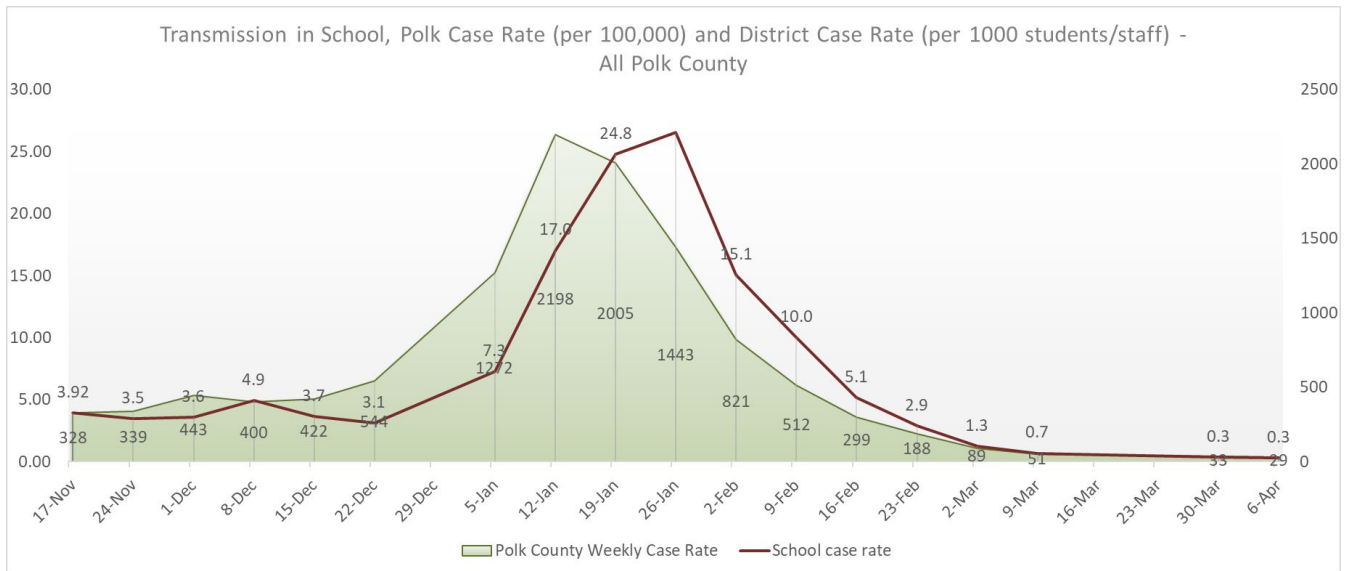
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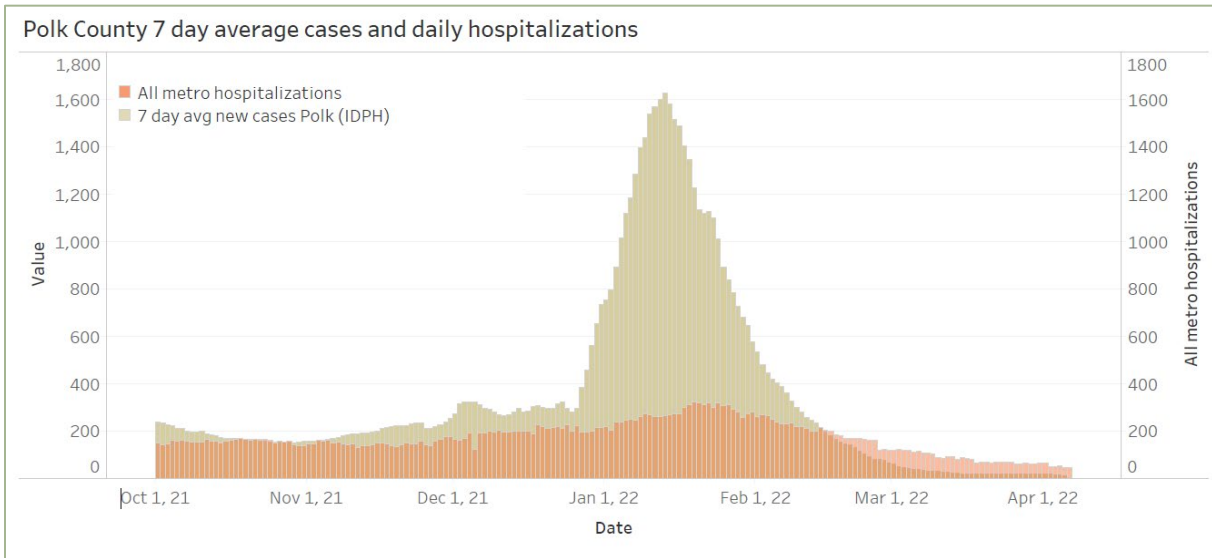
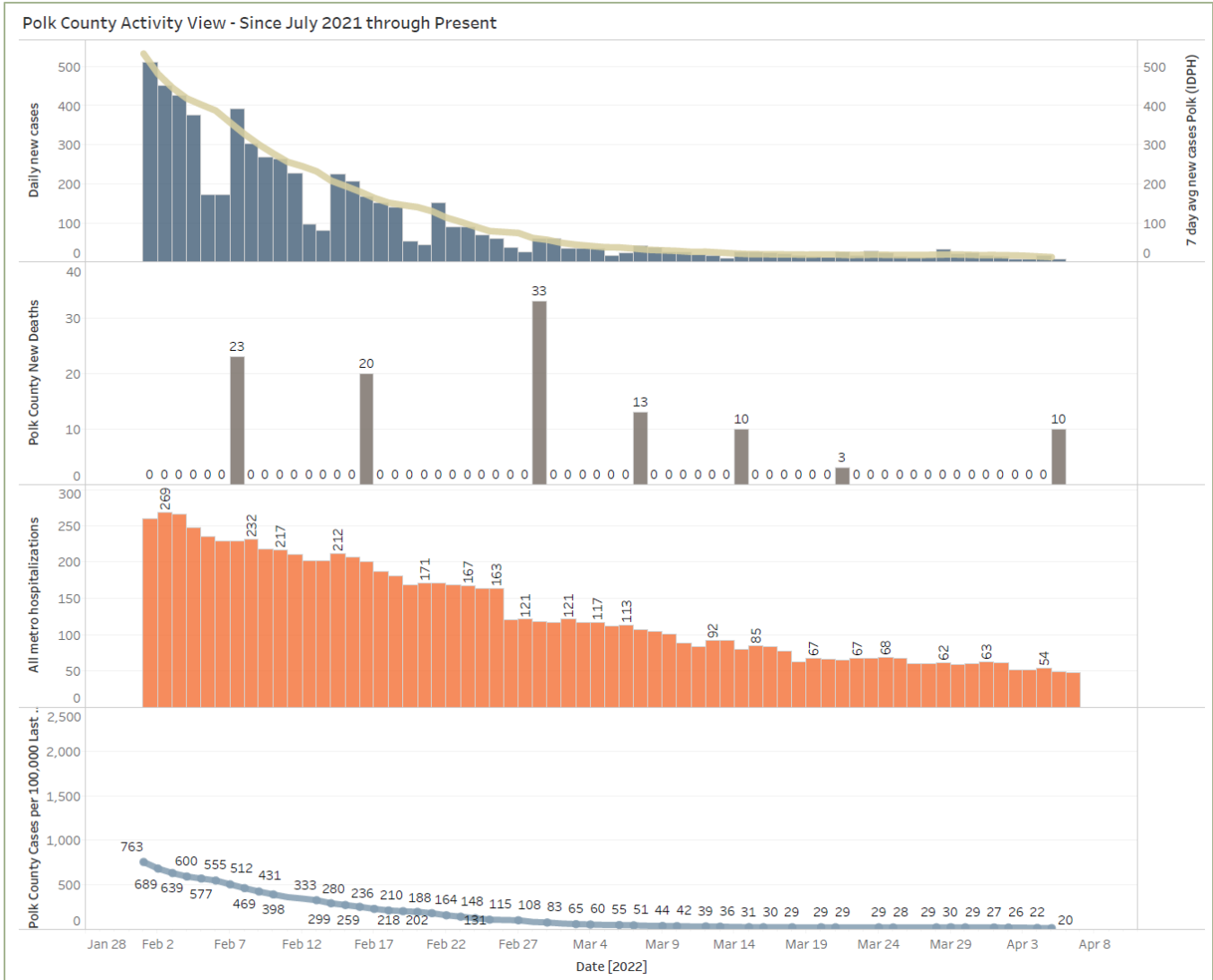
School Data

Week Ending	New Student/Staff Case Rates per 1000																	
	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan	2-Feb	9-Feb	16-Feb	23-Feb	2-Mar	9-Mar	30-Mar	6-Apr
DMPs*	2.12	2.24	3.58	5.06	3.79	3.03	7.91	14.79	11.45	19.45	8.45	10.06	2.70	1.61	0.27	0.36	0.30	0.24
Ankeny	4.00	3.33	3.25	5.83	5.00	4.67	NA	18.42	32.08	40.58	24.83	18.33	6.42	3.42	1.92	0.50	0.17	0.17
Waukee	6.70	8.09	4.43	4.52	3.57	3.04	8.26	15.74	13.22	13.04	6.96	3.22	1.74	0.78	0.09	0.17	0.17	0.17
WDM	5.67	5.00	5.00	7.67	5.11	3.78	NA	19.67	31.67	33.44	26.11	11.56	9.11	3.33	3.33	1.22	0.22	0.56
Johnston	3.43	0.86	2.00	3.43	2.86	3.43	NA	8.29	24.57	36.29	8.71	10.29	2.14	2.86	1.71	0.86	0.29	0.14
SE Polk	2.29	3.14	4.14	5.29	2.86	1.71	1.86	13.29	14.71	11.57	10.29	4.86	2.14	1.00	0.29	0.43	0.00	0.00
Urbandale	3.25	4.25	3.00	3.75	1.75	2.75	11.00	29.00	46.00	31.50	20.00	12.00	11.75	7.00	1.25	1.25	1.25	0.75
School case rate	3.92	3.5	3.6	4.9	3.7	3.1	7.3	17.0	24.8	26.6	15.1	10.0	5.1	2.9	1.3	0.7	0.3	0.3

Week Ending	New Student/Staff Cases																	
	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan	2-Feb	9-Feb	16-Feb	23-Feb	23-Feb	9-Mar	30-Mar	30-Mar
DMPs*	70	74	118	167	125	100	261	488	378	642	279	332	89	53	9	12	10	8
Ankeny	48	40	39	70	60	56	NA	221	385	487	298	220	77	41	23	6	2	2
Waukee	90	105	63	65	48	36	120	210	186	150	80	37	20	9	1	2	2	2
WDM	51	45	45	69	46	34	NA	177	285	301	235	104	82	30	30	11	2	5
Johnston	24	6	14	24	20	24	NA	72	208	254	61	72	15	20	12	6	2	1
SE Polk	16	22	29	37	20	12	13	93	103	81	72	34	15	7	2	3	0	0
Urbandale	13	17	12	15	7	11	44	116	184	126	80	48	47	28	5	5	5	3
Total School Cases	312	309	320	447	326	273	438	1377	1729	2041	1105	847	345	188	82	45	23	21
Polk Weekly Cases	1608	1663	2173	1959	2066	2667	6234	10768	9825	7069	4025	2508	1466	920	438	250	162	143
Polk County Weekly Case Rate	3.28	3.39	4.43	4.00	4.22	5.44	12.72	21.98	20.05	14.43	8.21	5.12	2.99	1.88	0.89	0.51	0.33	0.29



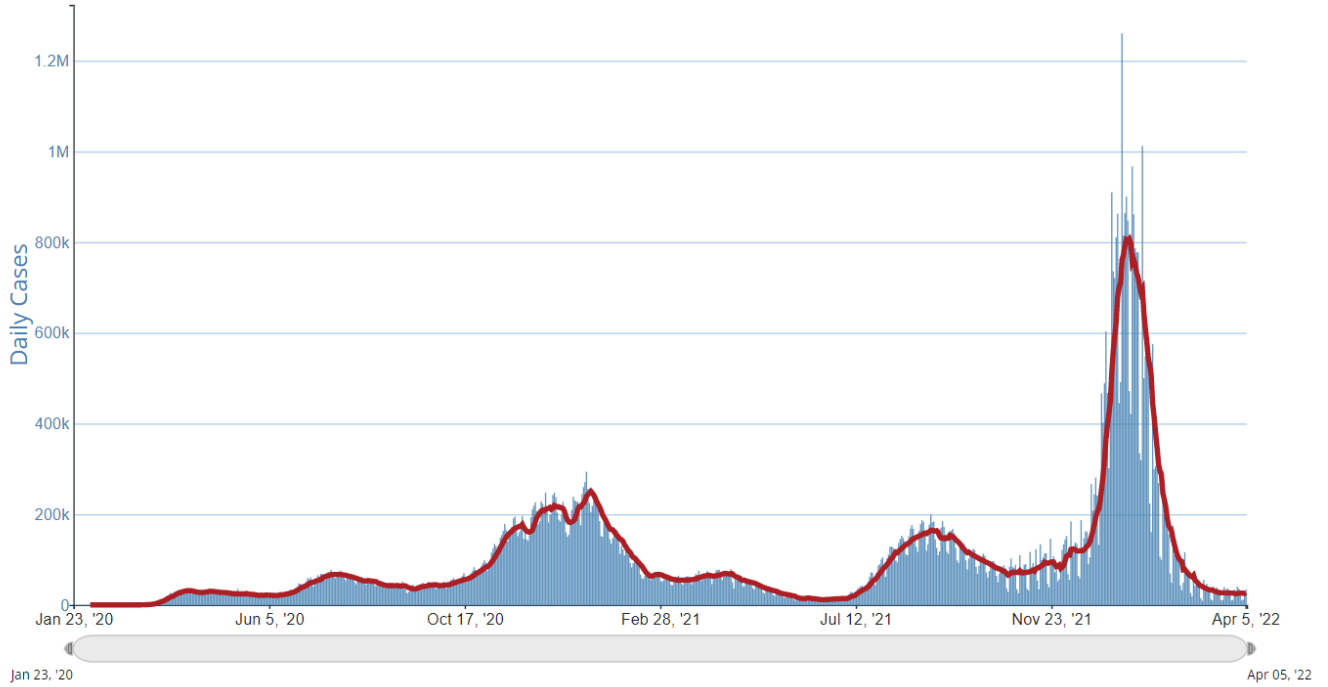
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Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC



	CASES DAILY AVG.	PER 100,000	14-DAY CHANGE	HOSPITALIZED DAILY AVG.	PER 100,000	14-DAY CHANGE	DEATHS DAILY AVG.	PER 100,000	FULLY VACCINATED
United States	28,693	9	-1%	15,383	5	-27%	602.2	0.18	66%
American Samoa	261	527	+106%	24	48	+882%	—	—	82%
Alaska >	192	26	+2%	34	5	-19%	0.9	0.12	62%
Northern Mariana Islands >	13	25	-62%	—	—	—	0.2	0.34	80%
Vermont >	152	24	+4%	19	3	+3%	0.4	0.07	81%
Guam >	35	21	-32%	—	—	—	1.3	0.76	82%
Rhode Island >	215	20	+28%	47	4	-12%	0.1	0.01	82%
Colorado >	1,078	19	-6%	136	2	-34%	1.4	0.02	70%
New York >	3,603	19	+77%	1,134	6	-12%	8.3	0.04	76%
Massachusetts >	1,274	18	+68%	268	4	-3%	5.3	0.08	78%
Maine >	202	15	+7%	120	9	+5%	1	0.07	79%