

Central Iowa COVID19 Update

Wednesday, April 20, 2022



Statistical Consulting

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Quick Stats

	Polk County	Next Highest Target**	Iowa
Percent of population with at least 1 dose*	74.2%		67.8%
Percent of population with fully vaccinated*	67.6%	85%	61.8%
Average daily cases the last 7d	29		187
CDC County Transmission Level***	Low	Med	
Total cases per 100,000 the last 7d**	41	>200	42
Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)**	0.1%	10-14%	0.87%
New COVID-19 admissions per 100,000 population (7-day total)**	2	10-19.9	2.4

*[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

Iowa cases are rising, though slower than with past surges. Rises in other states are gradual as well. The U.S. is reporting a 49% increase over the previous two weeks. The increase is due to the dominance of the BA.2 subvariant.

News & Research

- [Effectiveness of COVID-19 mRNA Vaccination in Preventing COVID-19–Associated Hospitalization Among Adults with Previous SARS-CoV-2 Infection — United States, June 2021–February 2022](#)
- [Notes from the Field: SARS-CoV-2 Omicron Variant Infection in 10 Persons Within 90 Days of Previous SARS-CoV-2 Delta Variant Infection — Four States, October 2021–January 2022](#)
- [Fourth Dose of BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Setting](#)
- [Intramuscular AZD7442 \(Tixagevimab–Cilgavimab\) for Prevention of Covid-19](#)
- [Covid Mask Mandates and Travel News](#)



Vaccine Progress

Polk Co Vaccination Rates CDC Covid Data Tracker Data (*)	At Least One Dose	Difference prev week	Fully Vaccinated	Difference prev week
Total	363,672	305	331,264	443
% of Total Population	74%	0.1%	68%	0.1%
Population ≥ 5 Years of Age	363,624	304	331,264	443
% of Population ≥ 5 Years of Age	80%	0.1%	73%	0.1%
Population ≥ 12 Years of Age	346,018	248	315,447	349
% of Population ≥ 12 Years of Age	85%	0.0%	77%	0.1%
Population ≥ 18 Years of Age	317,770	222	289,807	321
% of Population ≥ 18 Years of Age	86%	0.1%	79%	0.1%
Population ≥ 65 Years of Age	68,669	68	63,996	159
% of Population ≥ 65 Years of Age	95%	0.0%	95%	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	175,465	650
% of Fully Vaccinated Population with a Booster Dose	53%	0.2%
Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	175,430	650
% of Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	56%	0.1%
Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	168,705	584
% of Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	58%	0.1%
Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	51,656	191
% of Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	81%	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.

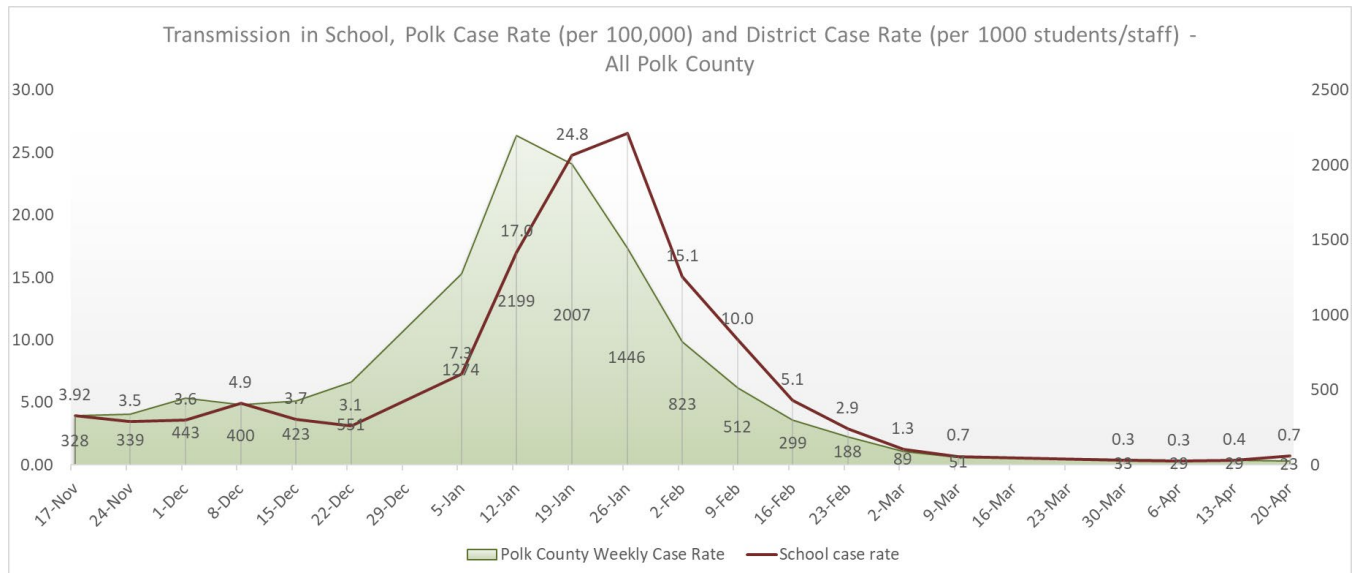
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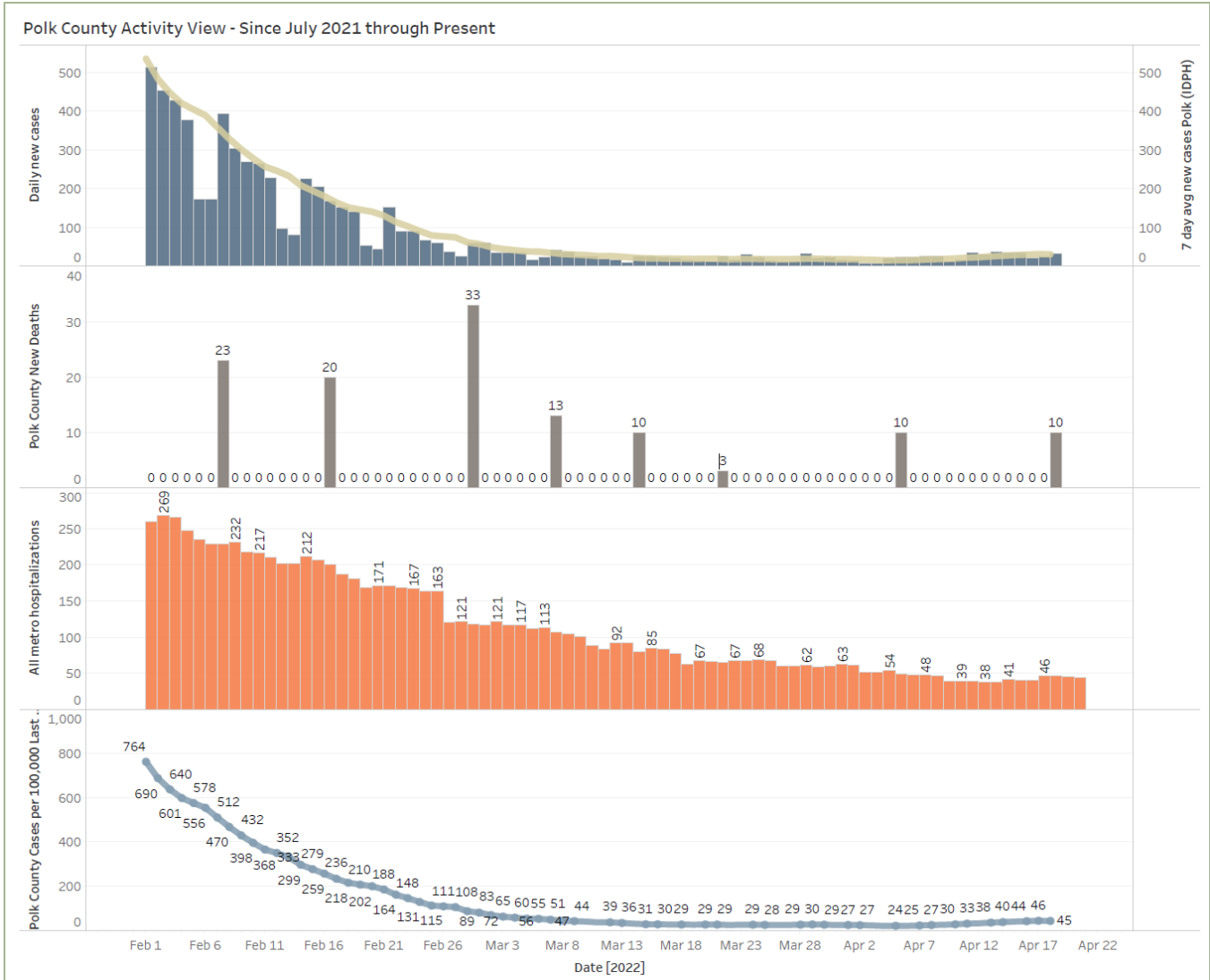
School Data

		New Student/Staff Case Rates per 1000																			
Week Ending		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	13-Apr	20-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	0.09	0.45
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	0.17	0.67
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	0.78	1.30
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	0.22	1.00
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	0.29	0.29
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	0.14	0.14
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	1.00	1.00
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	0.4	0.7

		New Student/Staff Cases																			
Week Ending		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	6-Apr	13-Apr	20-Apr
DMPs*		70	74	118	167	125	100	261	488	378	642	279	332	89	53	9	12	10	8	3	15
Ankeny		48	40	39	70	60	56	NA	221	385	487	298	220	77	41	23	6	2	2	2	8
Waukee		90	105	63	65	48	36	120	210	186	150	80	37	20	9	1	2	2	2	9	15
WDM		51	45	45	69	46	34	NA	177	285	301	235	104	82	30	30	11	2	5	2	9
Johnston		24	6	14	24	20	24	NA	72	208	254	61	72	15	20	12	6	2	1	2	2
SE Polk		16	22	29	37	20	12	13	93	103	81	72	34	15	7	2	3	0	0	1	1
Urbandale		13	17	12	15	7	11	44	116	184	126	80	48	47	28	5	5	5	3	4	4
Total School Cases		312	309	320	447	326	273	438	1377	1729	2041	1105	847	345	188	82	45	23	21	23	54
Polk Weekly Cases		1608	1663	2173	1959	2075	2698	6245	10774	9832	7084	4033	2511	1466	919	438	250	162	143	141	113
Polk County Weekly Case Rate		328	339	443	400	423	551	1274	2199	2007	1446	823	512	299	188	89	51	33	29	29	23



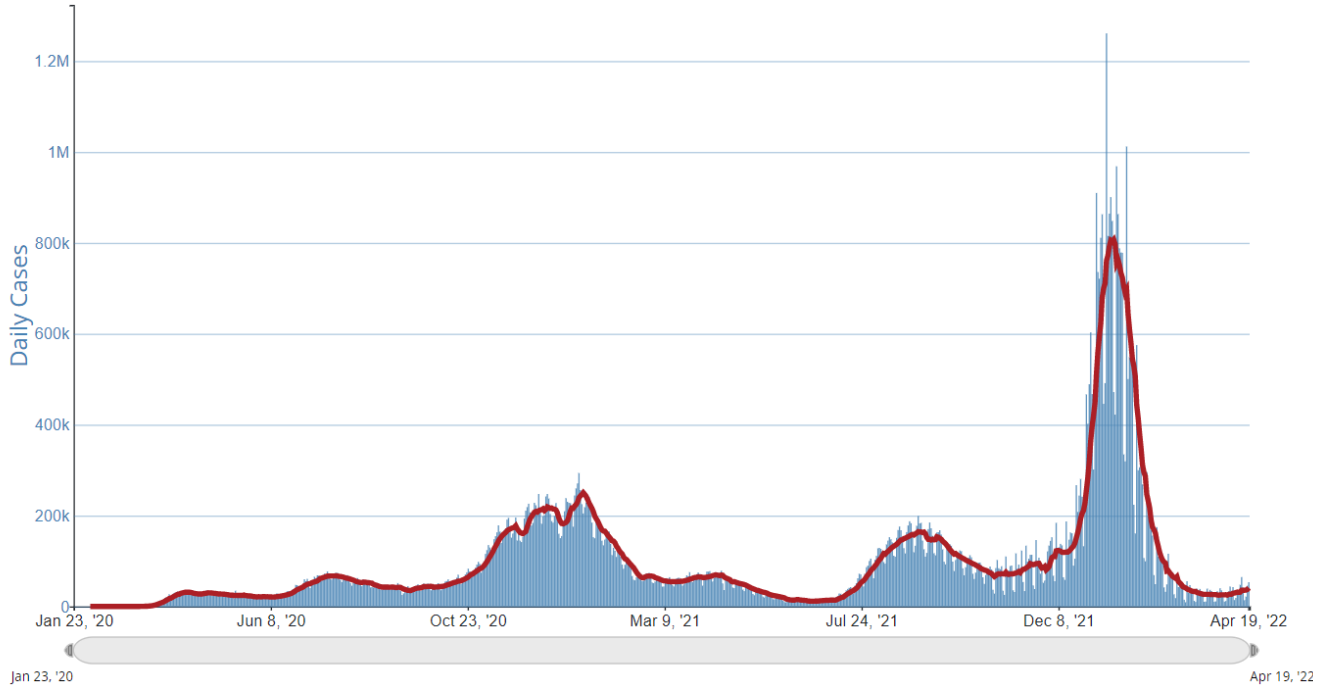
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Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC



	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	43,357	13	+49%	14,771	4	-4%	386.1	0.12	66%
American Samoa	70	142	-59%	7	14	-72%	1.7	3.47	83%
Puerto Rico >	1,474	44	+234%	133	4	+172%	0.9	0.03	78%
Vermont >	265	42	+74%	40	6	+78%	0.4	0.06	81%
Rhode Island >	343	32	+43%	60	6	+30%	0.6	0.06	82%
New York >	6,266	32	+71%	1,582	8	+33%	11.9	0.06	77%
Washington, D.C. >	216	31	+51%	69	10	+7%	0.2	0.03	74%
Massachusetts >	2,110	31	+64%	378	5	+46%	5.9	0.08	79%
Alaska >	218	30	+5%	21	3	-31%	1.9	0.25	62%
Connecticut >	819	23	+68%	186	5	+20%	2.3	0.06	79%
Colorado >	1,309	23	-4%	125	2	-9%	8.9	0.15	70%