

Central Iowa COVID19 Update

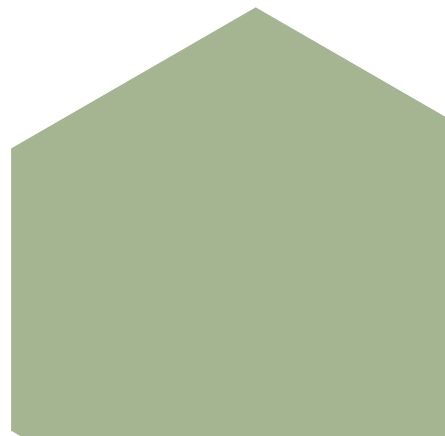
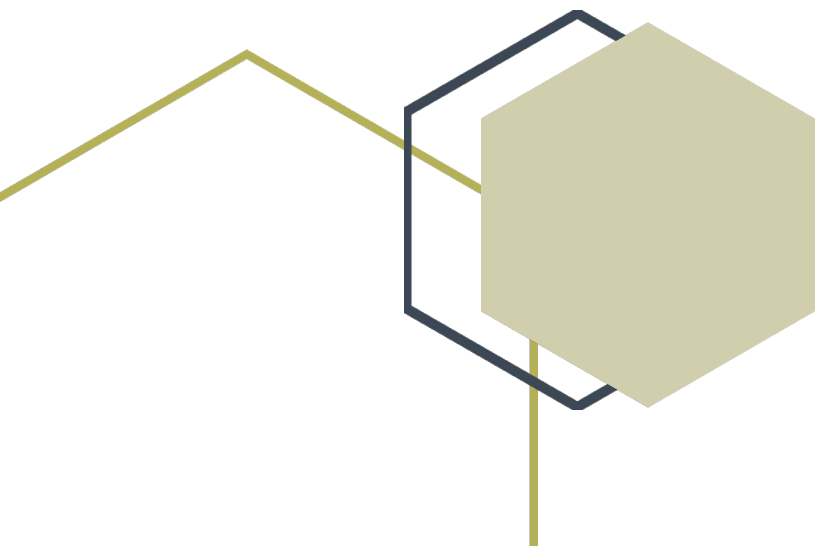
Thursday, June 2, 2022



Aperio

Statistical Consulting

Dr. Meg Schaeffer





Quick Stats

	Polk County	Next Highest Target**	Iowa
Community Metrics			
Percent of population with at least 1 dose*	74.6%		68.2%
Percent of population with fully vaccinated*	68%	85%	62.2%
Average daily cases the last 7d	137		719
CDC County Level**	Low	Med	NA
Total cases per 100,000 the last 7d**	196	>200	160
Healthcare Metrics			
Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)**	2.5%	10-14%	2.6%
New COVID-19 admissions per 100,000 population (7-day total)**	4.5	10-19.9	6.8
CDC Community Transmission Level (For Healthcare use)	High	High	High
<p>Notes: Community Metrics are defined by CDC and should be used to determine the impact of COVID-19 on communities and take action. Healthcare metrics are also defined by CDC and are used to assist healthcare providers in making planning and mitigation decisions.</p> <p>*Vaccine Information Iowa COVID-19 Information</p> <p>All data are sourced from Novel Coronavirus - COVID-19 Reporting (iowa.gov) 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.</p> <p>**CDC COVID Data Tracker</p>			

Critical Points, Media, and Research

Polk County case trends are declining slightly in alignment with U.S. trends. The state trend is slightly higher than last week and has leveled off. Activity for the county and state is expected to continue declining. Hospitalizations remain similar to the previous week with an average of ~51 inpatients (infectious and non) daily.

Please note – graphics are temporarily in a different format this week. They will return to the previous format next week.

News & Research

- [Seizure- or Epilepsy-Related Emergency Department Visits Before and During the COVID-19 Pandemic — United States, 2019–2021](#)
- [Post-COVID Conditions Among Adult COVID-19 Survivors Aged 18–64 and ≥65 Years — United States, March 2020–November 2021](#)
- [Re-examining the importance of mask-wearing at mass gathering events - The Lancet Regional Health – Europe](#)
- [South Africa Was Hit by Virus Wave, Despite Most People Having Antibodies - The New York Times \(nytimes.com\)](#)
- [Why the Monkeypox Virus Is Not Like Covid-19 - The New York Times \(nytimes.com\)](#)
- [Communicating doctors' consensus persistently increases COVID-19 vaccinations | Nature](#)



Vaccine Progress – last updated 5/11

Polk Co Vaccination Rates CDC Covid Data Tracker Data (*)	At Least One Dose	Difference prev week	Fully Vaccinated	Difference prev week
Total	365,294	373	333,145	297
% of Total Population	75%	0.1%	68%	0.1%
Population ≥ 5 Years of Age	365,244	373	333,145	297
% of Population ≥ 5 Years of Age	80%	0.0%	73%	0.1%
Population ≥ 12 Years of Age	347,321	308	317,014	247
% of Population ≥ 12 Years of Age	85%	0.1%	78%	0.0%
Population ≥ 18 Years of Age	318,940	293	291,216	228
% of Population ≥ 18 Years of Age	86%	0.1%	79%	0.1%
Population ≥ 65 Years of Age	68,924	37	64,551	90
% 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 with a First Booster(**)	Data	Difference prev week
Total	179,176	530
% of Fully Vaccinated Population with a 1 st Booster Dose	54%	0.1%
Fully Vaccinated Population ≥ 12 Years of Age with a 1 st Booster Dose	178,949	407
% of Fully Vaccinated Population ≥ 12 Years of Age with a 1 st Booster Dose	56%	0.1%
Fully Vaccinated Population ≥ 18 Years of Age with a 1 st Booster Dose	171,814	343
% of Fully Vaccinated Population ≥ 18 Years of Age with a 1 st Booster Dose	59%	0.1%
Fully Vaccinated Population ≥ 65 Years of Age with a 1 st Booster Dose	52,586	115
% of Fully Vaccinated Population ≥ 65 Years of Age with a 1 st Booster Dose	81%	0.1%

(**)The count of people who received a 1st 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 1st booster dose and people who received additional doses.

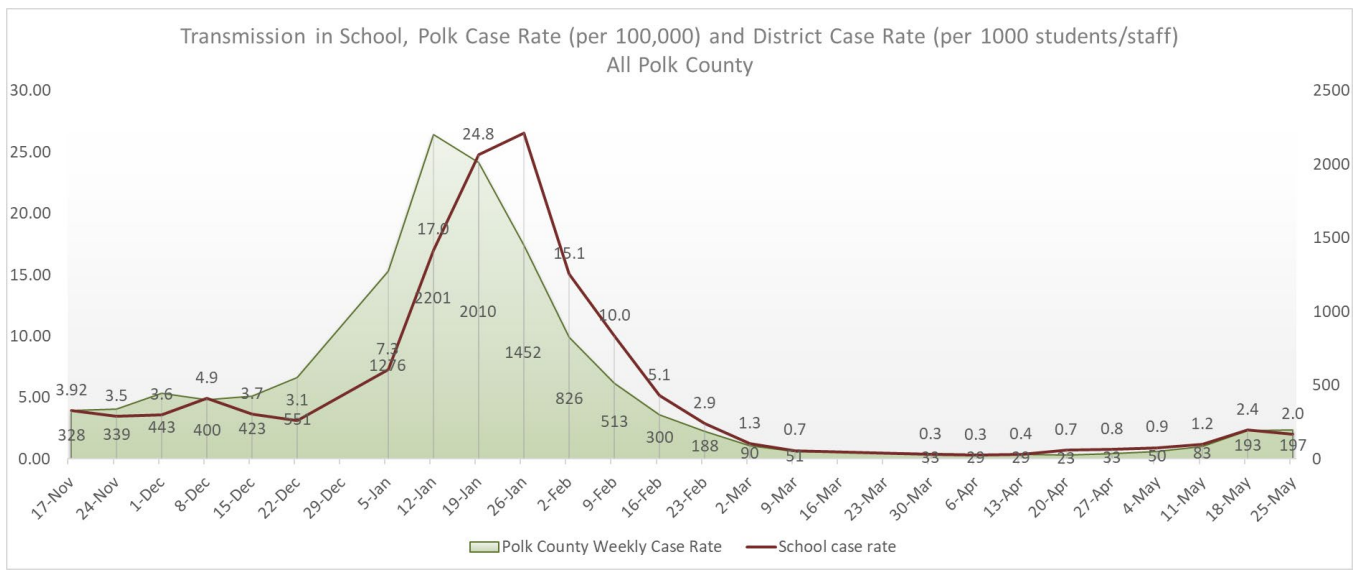
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School Data – Please note, school reporting will be paused for summer after this week.

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	13-Apr	20-Apr	27-Apr	4-May	11-May	18-May	25-May	25-May
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	0.39	0.88	1.88	1.79	1.97	2.33
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	0.67	1.17	1.42	3.42	2.92	4.00
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	1.30	1.48	0.96	1.48	1.04	0.00
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	2.00	1.44	1.44	5.00	4.33	3.89
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	0.29	0.29	0.29	2.00	1.57	1.71
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	0.14	0.43	0.71	1.71	1.00	0.86
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	0.75	0.75	1.75	1.25	1.00	2.75
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	0.4	0.7	0.8	0.9	1.2	2.4	2.0	2.2

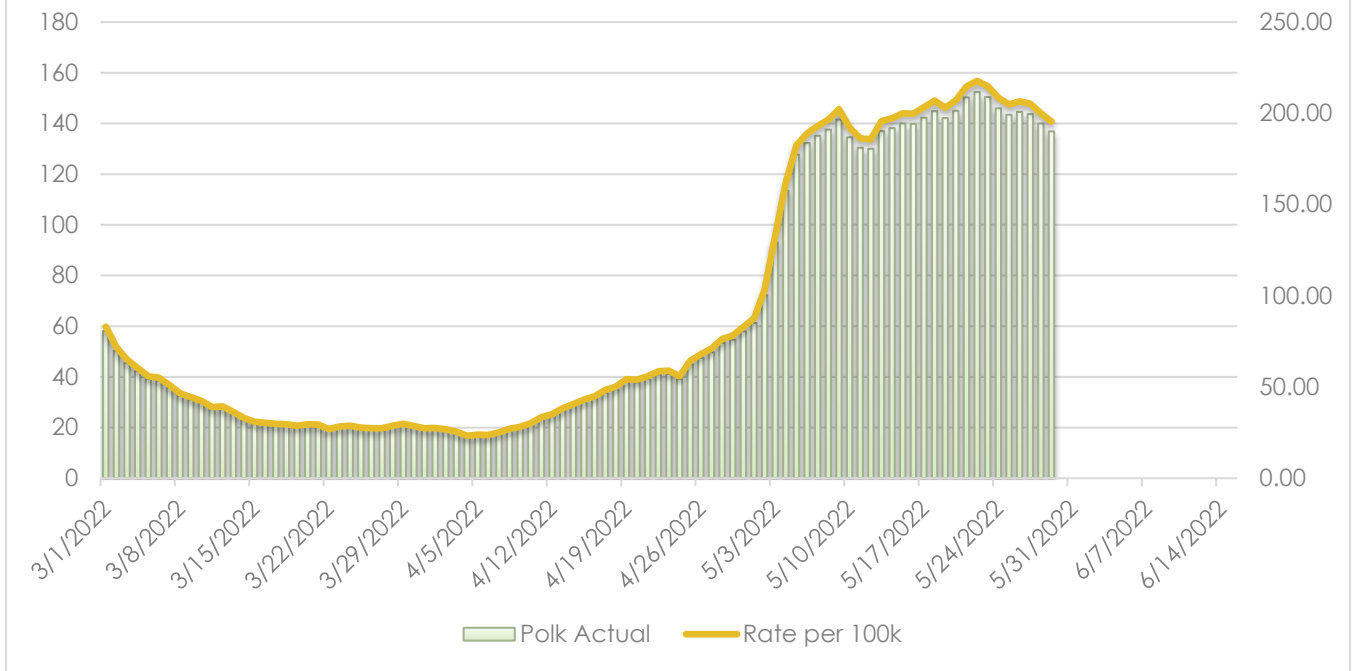
Week Ending	New Student/Staff Cases																									
	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan	2-Feb	9-Feb	16-Feb	23-Feb	23-Feb	9-Mar	30-Mar	6-Apr	13-Apr	20-Apr	27-Apr	4-May	11-May	18-May	25-May	25-May
DMPS*	70	74	118	167	125	100	261	488	378	642	279	332	89	53	9	12	10	8	3	15	13	29	62	59	65	77
Ankeny	48	40	39	70	60	56	NA	221	385	487	298	220	77	41	23	6	2	2	2	8	8	14	17	41	35	48
Waukee	90	105	63	65	48	36	120	210	186	150	80	37	20	9	1	2	2	2	9	15	15	17	11	17	12	0
WDM	51	45	45	69	46	34	NA	177	285	301	235	104	82	30	30	11	2	5	2	9	18	13	13	45	39	35
Johnston	24	6	14	24	20	24	NA	72	208	254	61	72	15	20	12	6	2	1	2	2	2	2	2	14	11	12
SE Polk	16	22	29	37	20	12	13	93	103	81	72	34	15	7	2	3	0	0	1	1	1	3	5	12	7	6
Urbandale	13	17	12	15	7	11	44	116	184	126	80	48	47	28	5	5	5	3	4	4	3	3	7	5	4	11
Total School Cases	312	309	320	447	326	273	438	1377	1729	2041	1105	847	345	188	82	45	23	21	23	54	40	81	117	193	173	189
Polk Weekly Cases	1607	1663	2172	1959	2074	2700	6252	10785	9850	7116	4045	2515	1468	919	439	250	162	144	141	114	164	246	406	946	967	1052
Polk County Weekly Case Rate	3.28	3.39	4.43	4.00	4.23	5.51	12.76	22.01	20.10	14.52	8.26	5.13	3.00	1.88	0.90	0.51	0.33	0.29	0.29	0.23	0.33	0.50	0.83	1.93	1.97	2.15



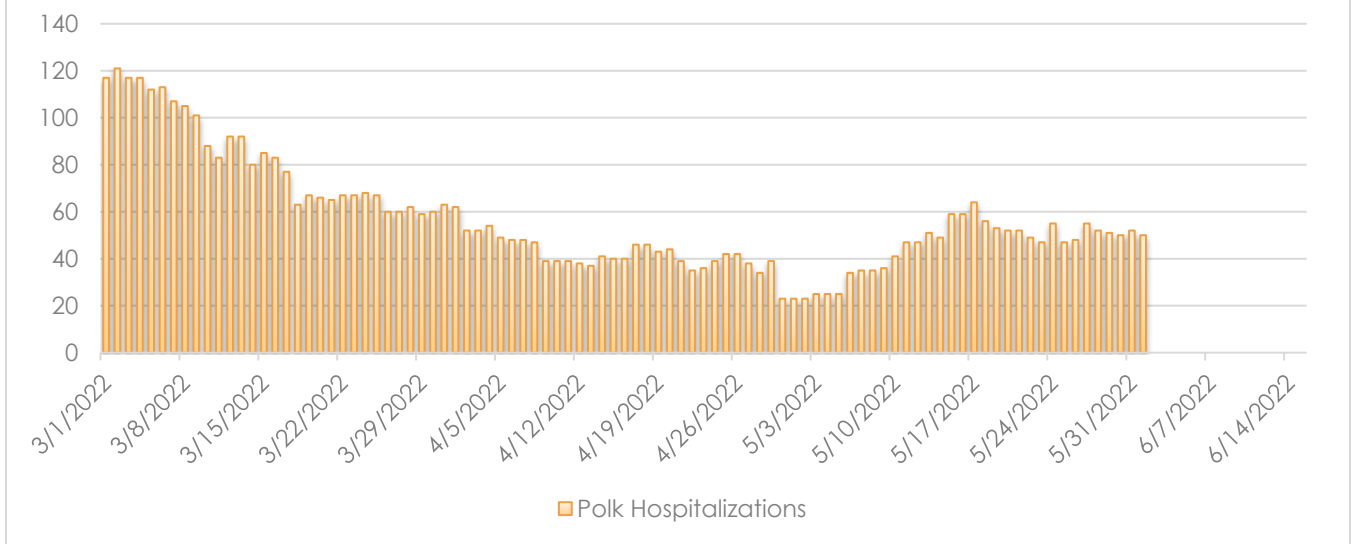
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Polk County Trend Analysis 6/1/2022



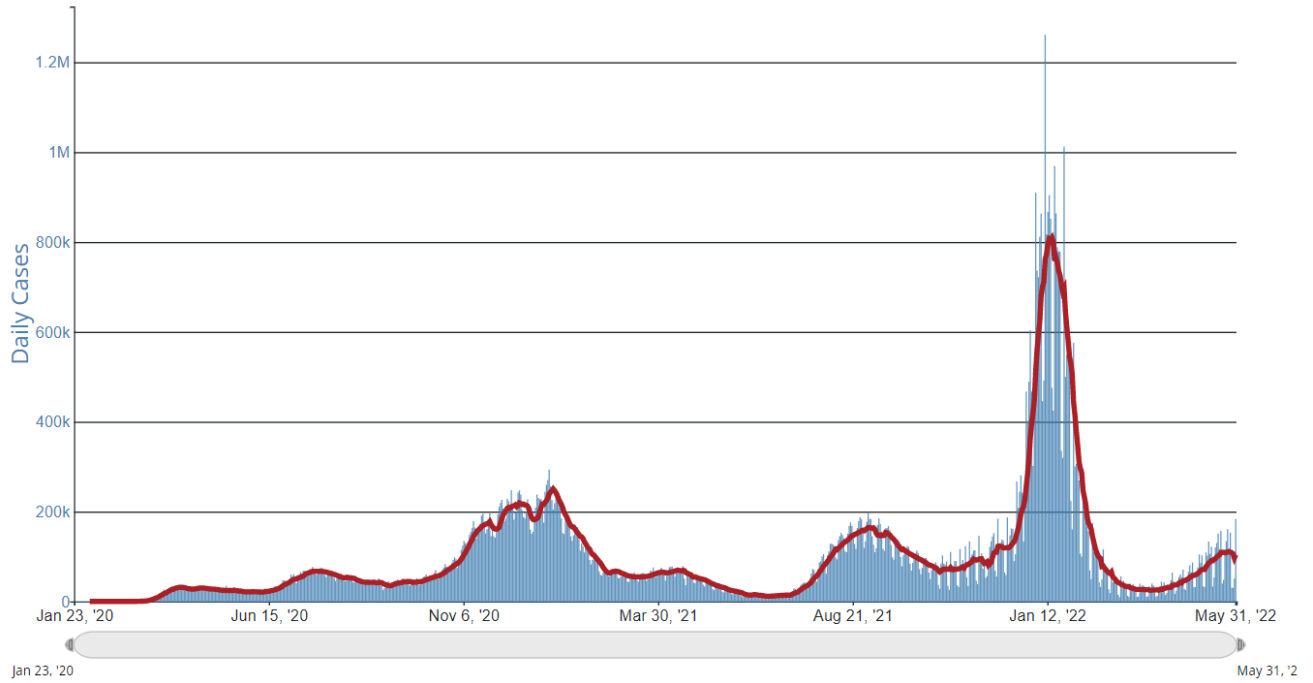
Polk County Hospitalizations



Central Iowa COVID19 Update



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



	CASES DAILY AVG.	PER 100,000	14-DAY CHANGE	TEST POSITIVITY	HOSPITALIZED DAILY AVG.	PER 100,000	14-DAY CHANGE	DEATHS DAILY AVG.	PER 100,000	FULLY VACCINATED
United States	101,551	31	-1%	12%	26,419	8	+13%	279.5	0.08	67%
Puerto Rico ›	3,681	109	-18%	33%	381	11	+2%	6.4	0.19	79%
U.S. Virgin Islands ›	103	97	-18%	—	14	13	-21%	0	—	54%
Hawaii ›	1,147	81	+14%	21%	178	13	+42%	0.9	0.06	79%
Rhode Island ›	502	47	-39%	10%	80	8	-20%	2.0	0.19	83%
Delaware ›	436	45	-15%	19%	239	24	+18%	2.0	0.21	70%
Florida ›	9,579	45	+27%	19%	2,435	11	+35%	22.4	0.10	67%
New Jersey ›	3,950	44	-21%	11%	932	10	+11%	10.9	0.12	76%
Alaska ›	321	44	+16%	14%	36	5	-18%	0	—	63%
Washington, D.C. ›	290	41	-26%	7%	132	19	+30%	0.1	0.02	79%
Colorado ›	2,293	40	+26%	12%	217	4	+18%	4.6	0.08	71%