

Central Iowa COVID19 Update

Wednesday, January 26, 2022



Aperio

Statistical Consulting

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Quick Stats¹

	Polk County	Iowa
Percent of population with 1 dose	72.7%	66.4%
Percent of population with 2 doses	65.8%	60.2%
7d Lab Test Positivity	29.1%	24.1%
Total cases per 100,000 the last 7d	1456	1251
CDC County Transmission Level*	High	
Average daily cases the last 7d	961	5640

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

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

Cases in Iowa and Polk County are declining though remain at an exceptionally high level. Average daily case counts for the state exceed 5,000 and over 900 per day for Polk County. There are over 200 patients hospitalized in the metro with active COVID infections.

News & Research

- *Notes from the Field: Early Evidence of the SARS-CoV-2 B.1.1.529 (Omicron) Variant in Community Wastewater — United States, November–December 2021.* Link [here](#).
- COVID-19 Cases and Hospitalizations by COVID-19 Vaccination Status and Previous COVID-19 Diagnosis — California and New York, May–November 2021. Link [here](#). CDC statement [here](#).
- Effectiveness of a Third Dose of mRNA Vaccines Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults During Periods of Delta and Omicron Variant Predominance — VISION Network, 10 States, August 2021–January 2022. Link [here](#).
- COVID-19 Incidence and Death Rates Among Unvaccinated and Fully Vaccinated Adults with and Without Booster Doses During Periods of Delta and Omicron Variant Emergence — 25 U.S. Jurisdictions, April 4–December 25, 2021. Link [here](#).
- [Waning mRNA-1273 Vaccine Effectiveness against SARS-CoV-2 Infection in Qatar | NEJM](#)
- [Homologous and Heterologous Covid-19 Booster Vaccinations | NEJM](#)
- [Efficacy of Antibodies and Antiviral Drugs against Covid-19 Omicron Variant | NEJM](#)
- [Des Moines doctors say demand for monoclonal antibodies outpaces supply | weareiowa.com](#)
- [Polk County, Iowa sees spike in COVID-19 cases among children \(kcci.com\)](#)
- [Free N95 masks roll out at pharmacies like Walgreens this week: how to get yours - MarketWatch](#)
- [World's brightest x-rays reveal COVID-19's damage to the body \(nationalgeographic.com\)](#)



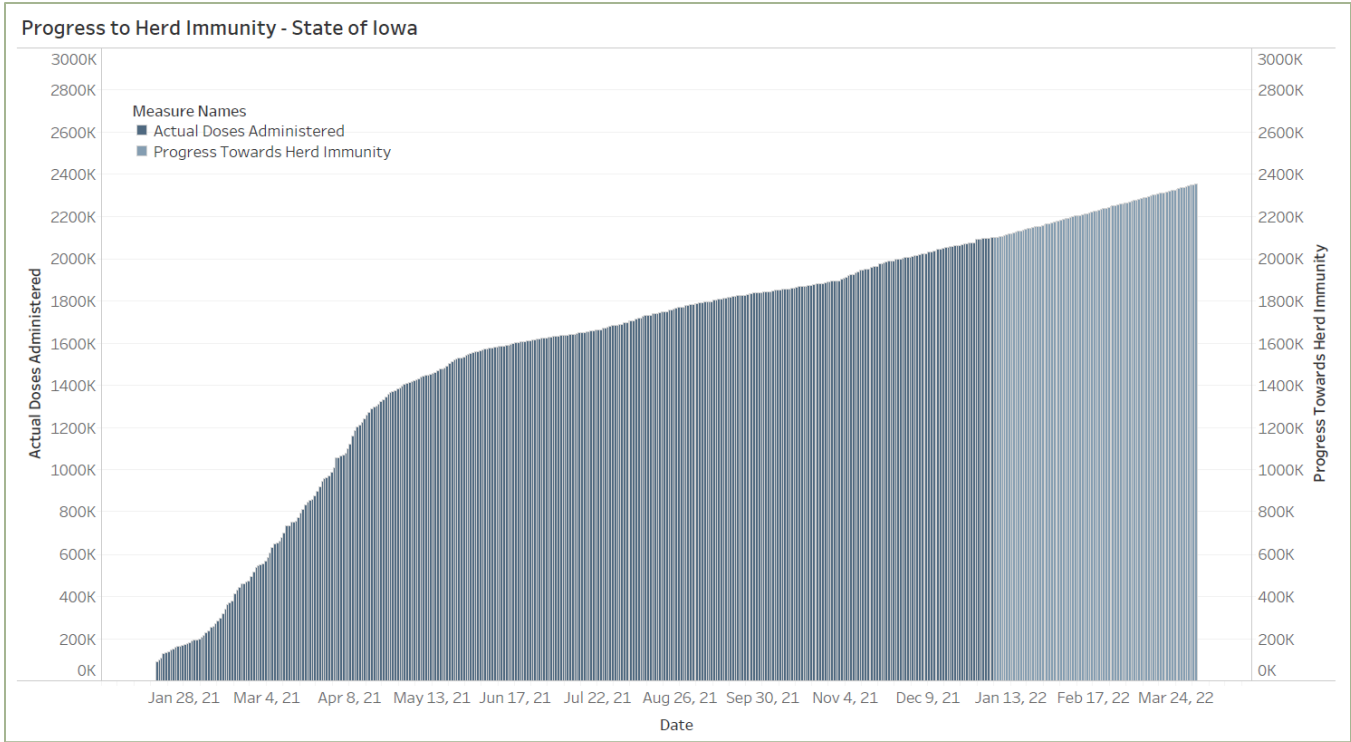
Vaccine Progress

Polk Co Vaccination Rates CDC Covid Data Tracker Data (*)	At Least One Dose	Difference prev week	Fully Vaccinated	Difference prev week
Total	356,193	3,061	321,682	2,622
% of Total Population	72.7%	0.7%	65.6%	0.5%
Population ≥ 5 Years of Age	356,167	3,057	321,682	2,622
% of Population ≥ 5 Years of Age	78.1%	0.6%	70.6%	0.6%
Population ≥ 12 Years of Age	340,501	2,454	309,110	1,792
% of Population ≥ 12 Years of Age	83.3%	0.6%	75.6%	0.4%
Population ≥ 18 Years of Age	313,120	2,201	284,456	1,541
% of Population ≥ 18 Years of Age	84.8%	0.6%	77.1%	0.5%
Population ≥ 65 Years of Age	68,211	199	63,266	72
% 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.				
Data as of:	1/11/2022			

Link to Zip Code-Level Vaccination Rates - <https://arcg.is/1nTry4>

Polk Co People Fully Vaccinated with a Booster (*)	At Least One Dose
Total	158,559
% of Fully Vaccinated Population with a Booster Dose	49.3%
Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	154,345
% of Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	54.3%
Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	93,181
% of Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	68.5%
Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	49,375
% of Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	78.0%
(*)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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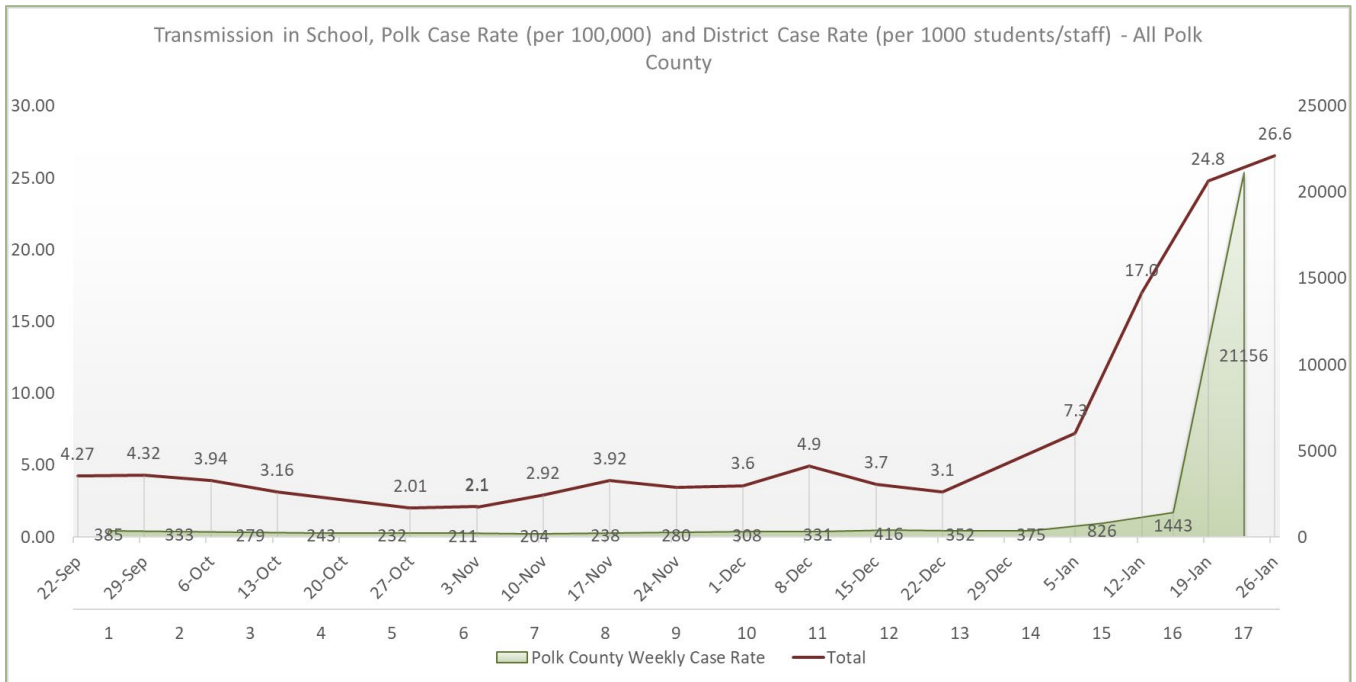
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School Data

New Student/Staff Case Rates per 1000		22-Sep	29-Sep	6-Oct	13-Oct	3-Nov	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan
DMPS*	6.21	6.52	4.42	3.27	2.30	2.1	0.9	2.48	2.12	2.24	3.58	5.06	3.79	3.03	7.91	14.79	11.45	19.45	
Ankeny	5.42	5.42	3.92	4.83	3.75	2.8	2.1	2.75	4.00	3.33	3.25	5.83	5.00	4.67	NA	18.42	32.08	40.58	
Waukee	2.78	2.78	2.35	2.09	2.43	1.7	4.2	4.35	6.70	8.09	4.43	4.52	3.57	3.04	8.26	15.74	13.22	13.04	
WDM	4.33	4.33	2.67	2.67	1.22	2.0	2.8	5.89	5.67	5.00	5.00	7.67	5.11	3.78	NA	19.67	31.67	33.44	
Johnston	4.71	4.71	3.57	2.29	2.29	2.4	2.1	2.71	3.43	0.86	2.00	3.43	2.86	3.43	NA	8.29	24.57	36.29	
SE Polk	4.71	4.71	5.43	4.00	1.71	1.9	1.1	1.29	2.29	3.14	4.14	5.29	2.86	1.71	1.86	13.29	14.71	11.57	
Urbandale	1.75	1.75	5.25	3.00	1.25	1.3	1.3	1.00	3.25	4.25	3.00	3.75	1.75	2.75	11.00	29.00	46.00	31.50	
Total	4.27	4.32	3.94	3.16	2.14	2.0	2.1	2.92	3.92	3.5	3.6	4.9	3.7	3.1	7.3	17.0	24.8	26.6	

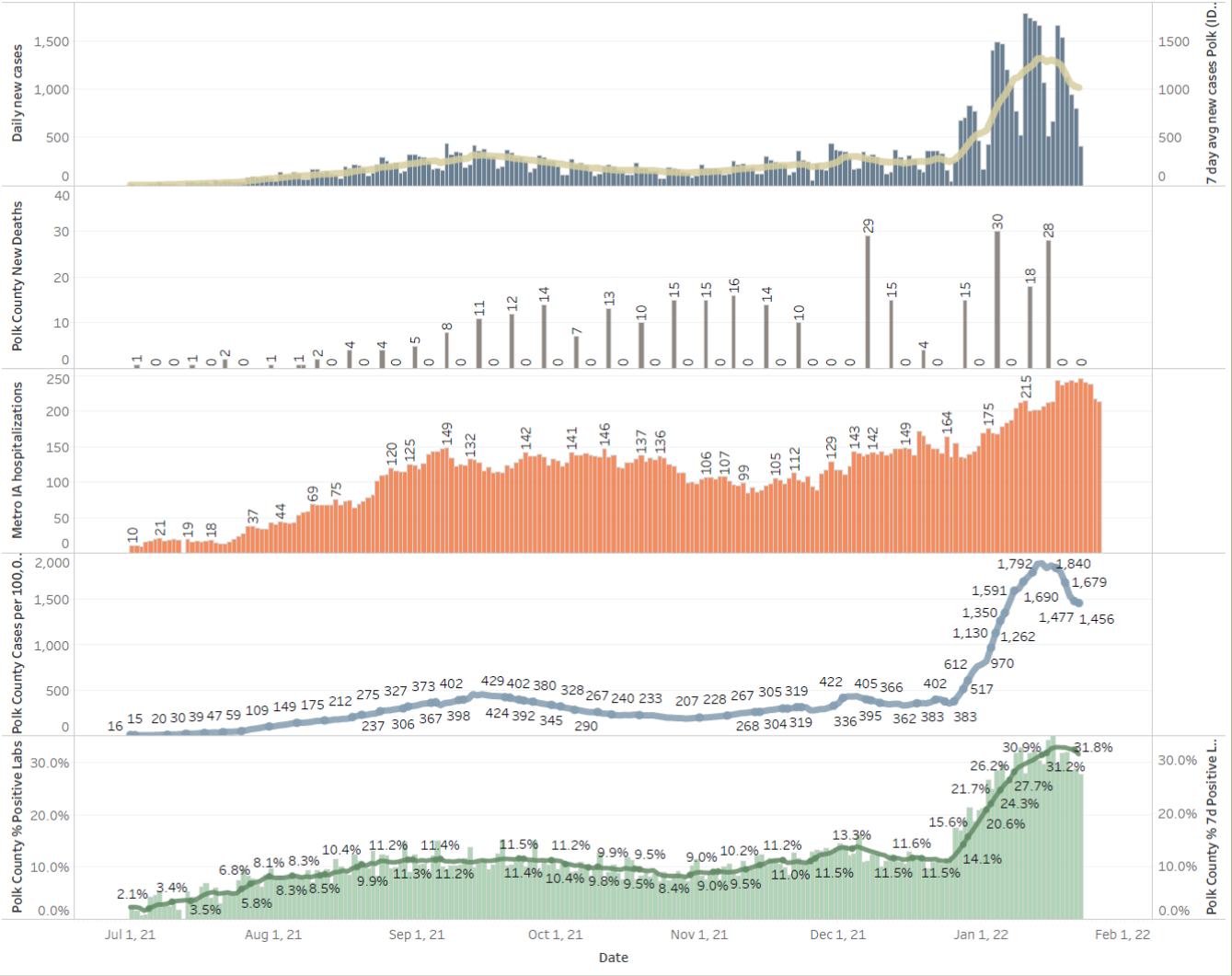
New Student/Staff Cases		22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan
DMPS*	205	215	146	108	76	68	31	82	70	74	118	167	125	100	261	488	378	642	
Ankeny	65	65	47	58	45	34	25	33	48	40	39	70	60	56	NA	221	385	487	
Waukee	43	43	35	32	36	20	49	64	90	105	63	65	48	36	120	210	186	150	
WDM	39	39	24	24	11	18	25	53	51	45	45	69	46	34	NA	177	285	301	
Johnston	33	33	25	16	16	17	15	19	24	6	14	24	20	24	NA	72	208	254	
SE Polk	33	33	38	28	12	13	8	9	16	22	29	37	20	12	13	93	103	81	
Urbandale	8	8	21	12	5	5	5	4	13	17	12	15	7	11	44	116	184	126	
Total	426	436	336	278	201	175	158	264	312	309	320	447	326	273	438	1377	1729	2041	
Polk Weekly Cases	1885	1633	1368	1192	1137	1032	999	1164	1370	1511	1621	2039	1726	1836	4050	7071	103662		
Polk County Weekly Case Rate	385	333	279	243	232	211	204	238	280	308	331	416	352	375	826	1443	21156		



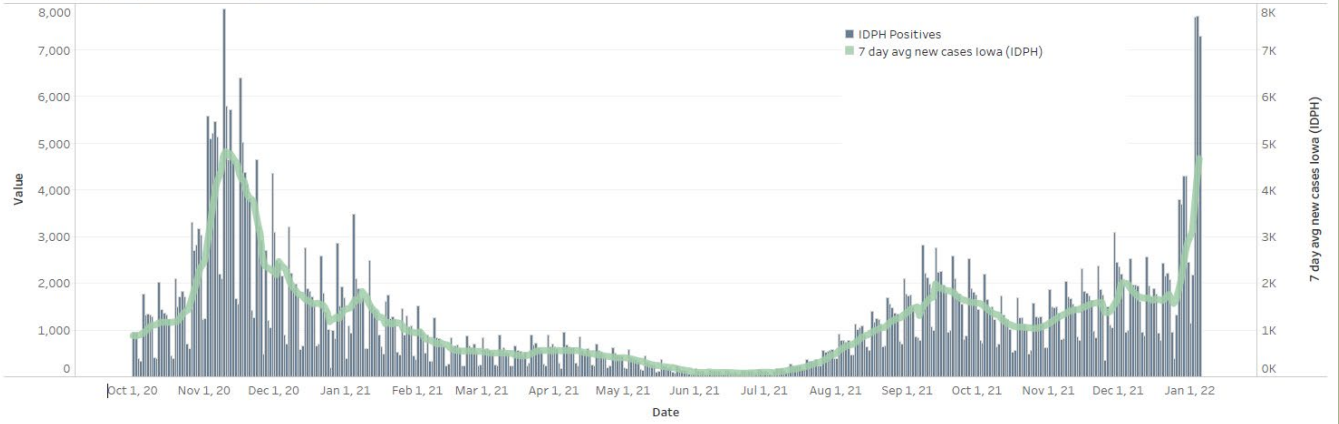
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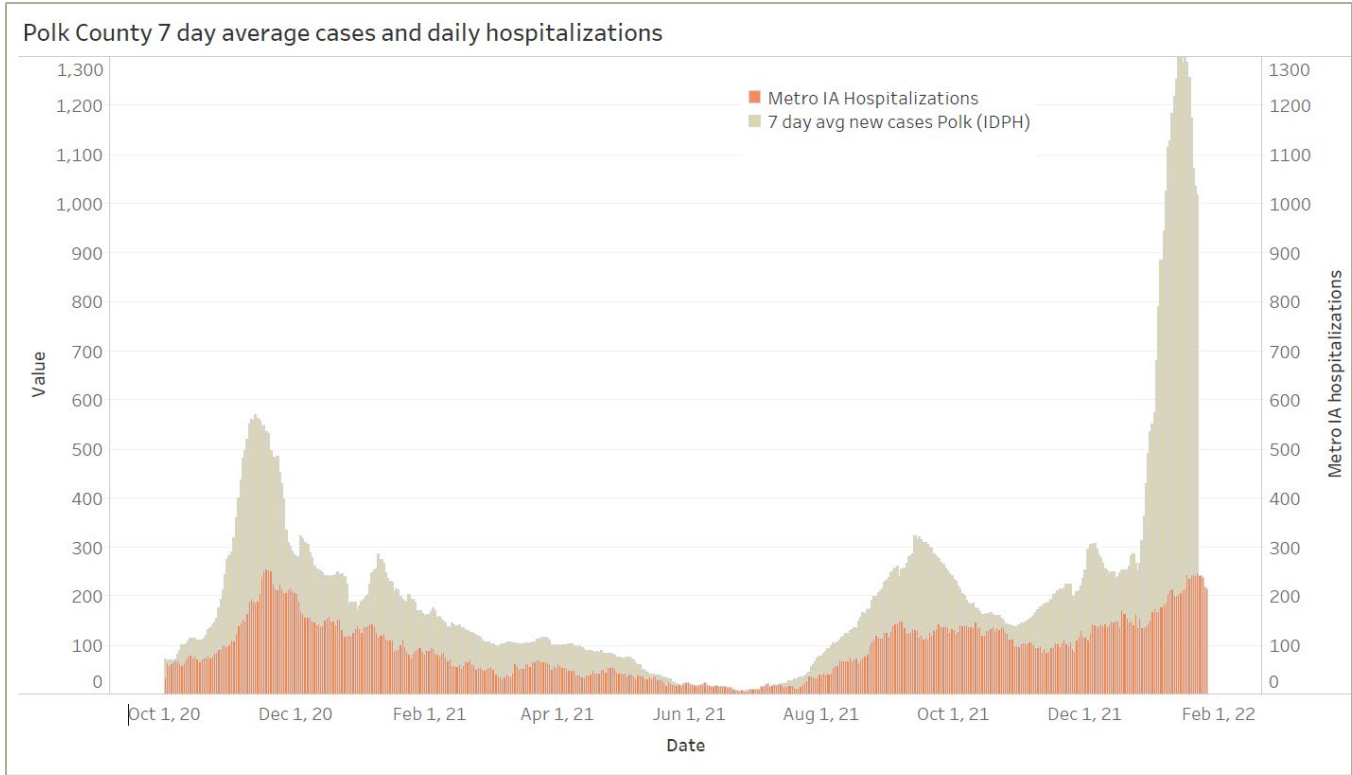
Polk County Activity View - Since July 2021 through Present



Iowa Cases by Day and 7d Moving Average



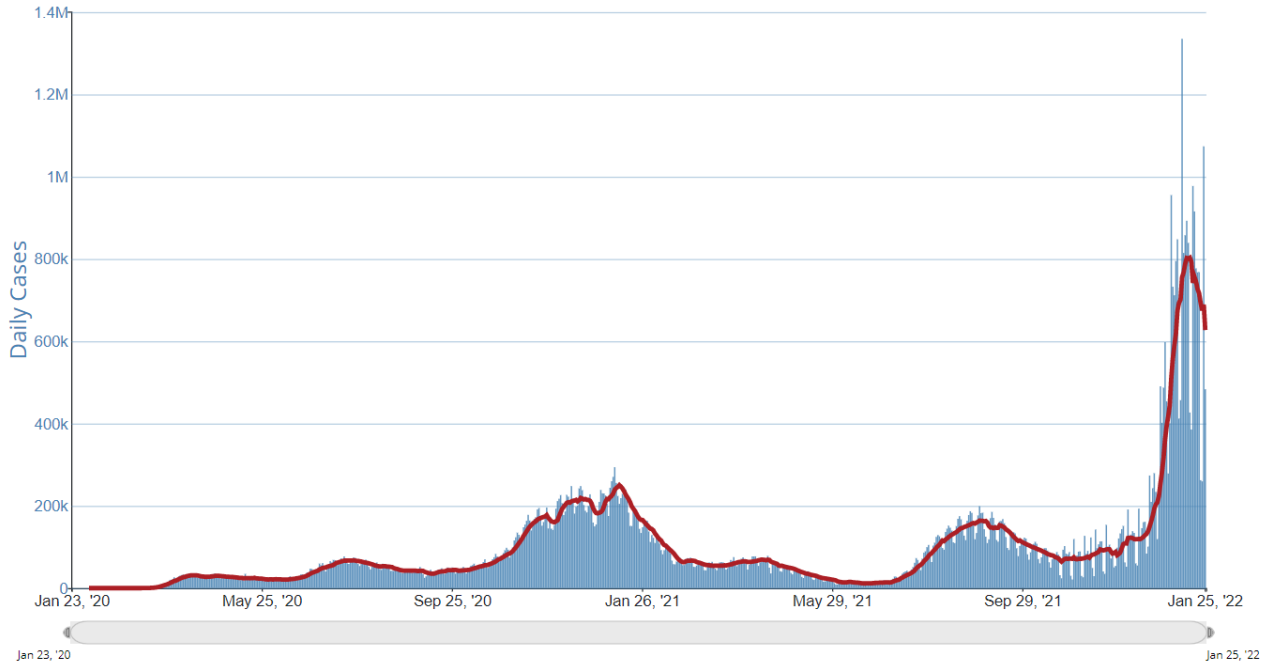
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Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC



	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	652,278	197	-14%	154,897	47	+9%	2,362.2	0.71	63%
Guam >	613	364	+334%	—	—	—	0.6	0.36	77%
Kansas >	10,464	359	+61%	1,294	44	+15%	24.6	0.84	59%
South Carolina >	16,084	312	+23%	2,587	50	+47%	27.7	0.54	55%
Alaska >	2,229	305	+84%	157	21	+88%	8.3	1.13	58%
Minnesota >	16,578	294	+96%	1,657	29	+2%	32.9	0.58	67%
Arkansas >	8,834	293	+27%	1,617	54	+56%	14.9	0.49	52%
Oklahoma >	11,411	288	+64%	2,071	52	+48%	18.9	0.48	55%
Utah >	9,193	287	+8%	822	26	+40%	13.4	0.42	60%
North Dakota >	2,178	286	+84%	308	40	+33%	4.6	0.60	54%
California >	109,969	278	+10%	15,996	40	+44%	127.6	0.32	68%