

Weekly Trends in COVID Cases, Deaths, and Vaccinations; Total Vaccinations at County, State, and National Level

5 Slide Series, Volume 96-a

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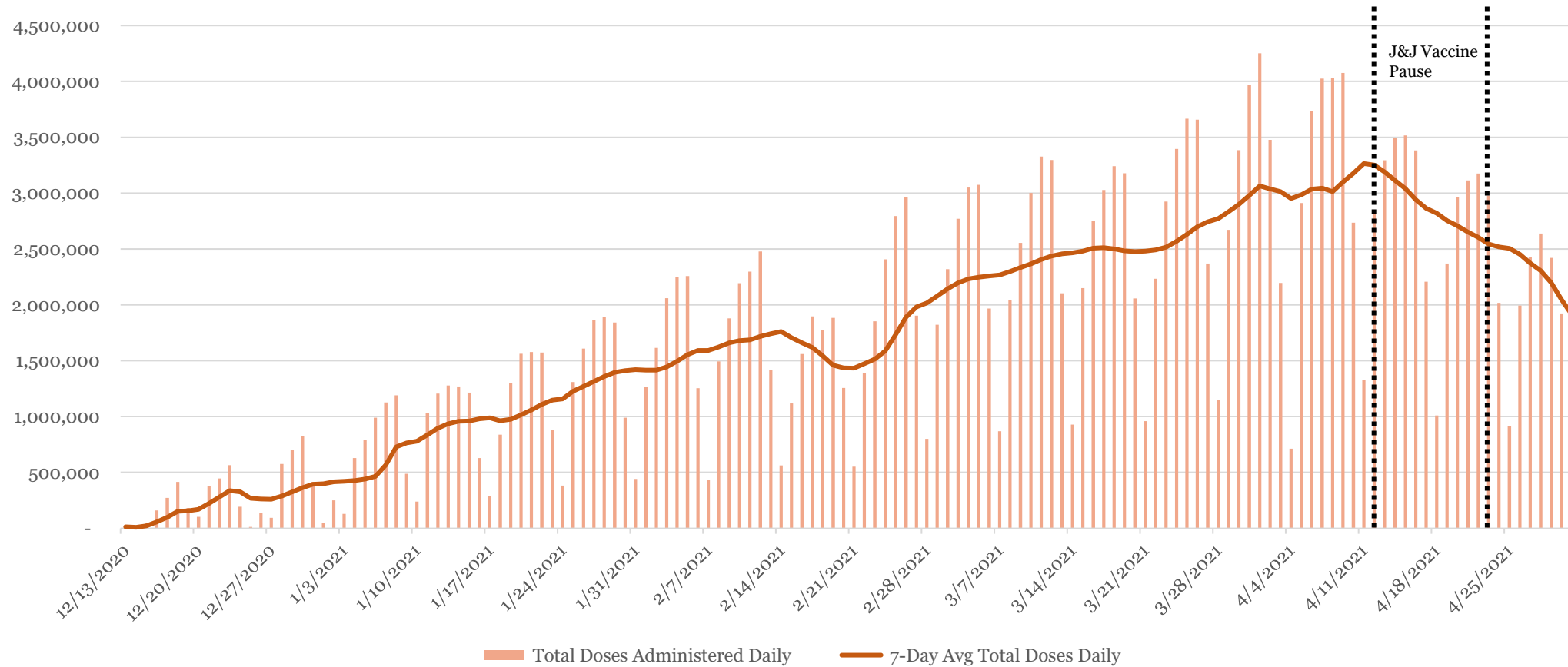
The Menges Group

Strategic Health Policy & Care Coordination Consulting

Vaccinations Overview

- The U.S. has given 247.8 million COVID vaccine doses as of May 3.
 - 44.5% of the population is now vaccinated with at least one dose, and 32% is fully vaccinated.
- The national daily vaccination rate in recent weeks has slowed. The 7-day average rate is now fewer than 2 million doses a day– roughly where it was in late February.
- Over the week of April 27-May 3, total weekly vaccinations across all states and D.C., declined 30% compared to the prior week's (April 20-April 26) total.
 - All but two states (Alaska and New Hampshire) have reported week-over-week decreases in total vaccinations administered.

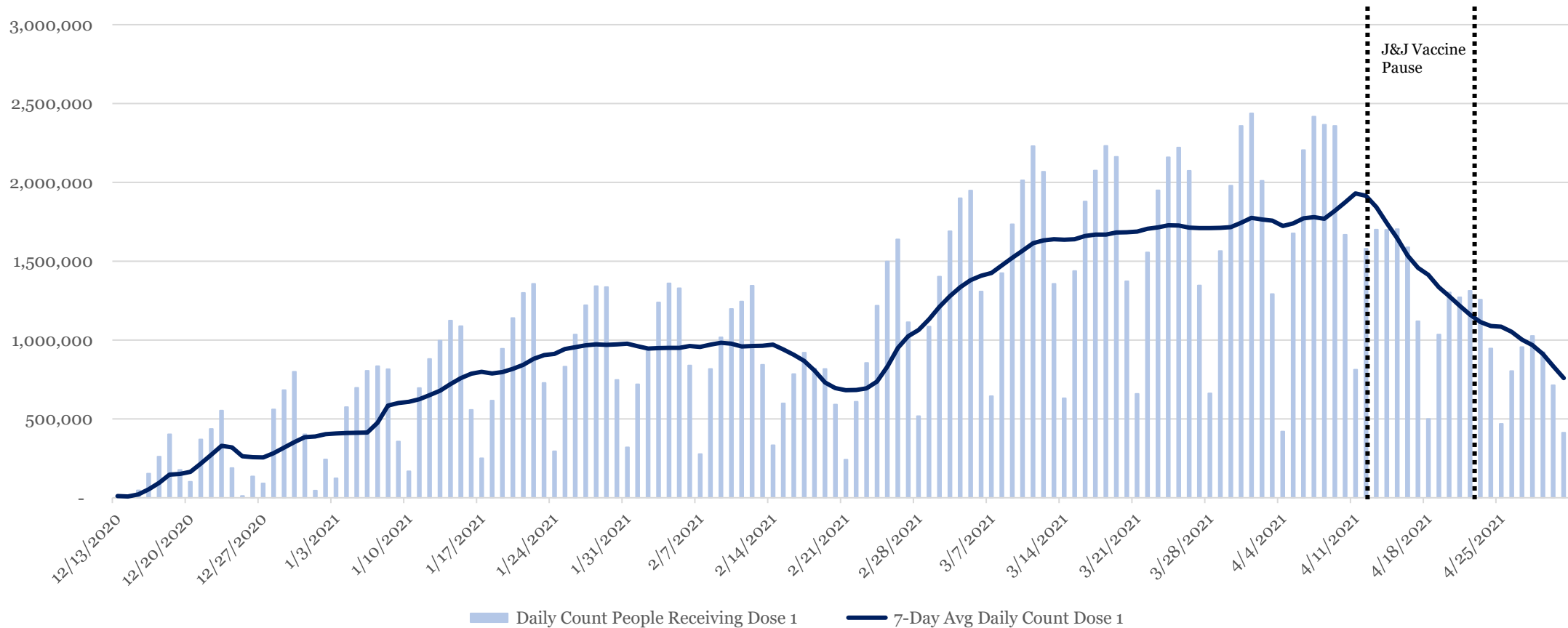
Daily Rate of Vaccinations Over Time



Data Source: CDC



Daily Rate of First Doses Over Time



Data Source: CDC

Data includes both J&J shots and first dose of Pfizer & Moderna shots.



COVID Cases and Deaths Overview

- There were a total of 287,500 confirmed COVID cases between April 27 and May 3.
 - The average rate of new daily reported cases has fallen below 50,000 in May so far– the lowest level since early October 2020.
- Cases over the past week fell by 21.5% compared to the prior week's (April 20-April 26) total.
 - All but four states (Alabama, Hawaii, Indiana, and New Jersey) have reported week-over-week decreases in case counts.
- New daily COVID deaths have stabilized. While there were 4,219 deaths between April 27 and May 3 (a 12.2% week-over week decrease), the 7-day average daily death rate has hovered between 600-700 deaths per day for the past month.
 - The current average daily death toll is still only one-fifth of its peak average of over 3,000 daily deaths in January.

Weekly Changes in New Cases, Deaths, and Vaccinations by State (Alaska-Kansas): April 20-April 26 vs. April 27-May 3

State/Jurisdiction	New Confirmed COVID Cases Between April 27-May 3	New COVID-Related Reported Deaths Between April 27-May 3	Vaccinations Between April 27-May 3	Cases, Percent Change Between April 27-May 3 from Prior Week	Deaths, Percent Change Between April 27-May 3 from Prior Week	Vaccinations, Percent Change Between April 27-May 3 from Prior Week
Alabama	2,077	59	116,859	70.5%	1080.0%	-30.1%
Alaska	762	1	19,910	-32.1%	100.0%	7.5%
Arizona	4,410	68	212,907	-12.0%	-18.1%	-39.0%
Arkansas	1,168	22	81,059	-9.4%	15.8%	-24.9%
California	10,807	555	1,828,845	-16.1%	37.4%	-30.4%
Colorado	9,453	42	278,204	-22.8%	-20.8%	-27.1%
Connecticut	3,205	45	189,067	-38.4%	-4.3%	-31.7%
Delaware	1,464	9	47,528	-22.8%	-35.7%	-29.1%
District of Columbia	432	6	32,698	-28.2%	100.0%	-41.9%
Florida	27,963	349	754,812	-26.4%	-17.9%	-37.0%
Georgia	7,780	200	368,878	-17.3%	-12.7%	-23.1%
Hawaii	590	5	64,759	10.9%	0.0%	-38.8%
Idaho	1,010	12	43,962	-34.8%	-33.3%	-32.1%
Illinois	16,051	215	477,923	-15.2%	16.2%	-38.1%
Indiana	7,137	57	236,295	4.2%	-3.4%	-14.8%
Iowa	2,090	29	141,901	-23.9%	-21.6%	-16.4%
Kansas	1,458	15	79,219	-8.9%	0.0%	-39.2%

Green shaded cells represent trends in a favorable direction for each category. Red shaded cells represent trends in an unfavorable direction.



Data Source: CDC

Weekly Changes in New Cases, Deaths, and Vaccinations by State (Kentucky-North Carolina): April 20-April 26 vs. April 27-May 3

State/Jurisdiction	New Confirmed COVID Cases Between April 27-May 3	New COVID-Related Reported Deaths Between April 27-May 3	Vaccinations Between April 27-May 3	Cases, Percent Change Between April 27-May 3 from Prior Week	Deaths, Percent Change Between April 27-May 3 from Prior Week	Vaccinations, Percent Change Between April 27-May 3 from Prior Week
Kentucky	3,569	49	111,646	-4.4%	-57.8%	-39.5%
Louisiana	2,456	41	46,883	-22.6%	-10.9%	-67.9%
Maine	1,818	12	74,074	-18.3%	20.0%	-27.5%
Maryland	4,517	94	273,627	-32.6%	-9.6%	-36.9%
Massachusetts	6,213	73	438,320	-25.7%	-5.2%	-30.2%
Michigan	22,268	359	377,458	-34.5%	-24.7%	-38.9%
Minnesota	9,822	87	261,072	-15.8%	45.0%	-27.4%
Mississippi	1,115	28	51,681	-33.4%	-6.7%	-33.8%
Missouri	4,224	77	189,306	-6.9%	60.4%	-40.5%
Montana	805	8	33,382	-11.3%	-42.9%	-23.4%
Nebraska	884	3	63,806	-51.8%	-85.0%	-30.7%
Nevada	2,154	29	105,950	-22.3%	-56.7%	-15.7%
New Hampshire	1,303	11	22,348	-39.4%	-52.2%	7.0%
New Jersey	9,983	156	385,123	39.9%	-38.6%	-38.2%
New Mexico	1,375	34	92,192	-0.5%	17.2%	-11.2%
New York	19,133	339	1,016,510	-32.1%	-11.5%	-12.2%
North Carolina	10,548	108	398,324	-20.1%	-26.0%	-8.0%

Green shaded cells represent trends in a favorable direction for each category. Red shaded cells represent trends in an unfavorable direction.



Data Source: CDC

Weekly Changes in New Cases, Deaths, and Vaccinations by State (North Dakota-Wyoming & U.S. Total): April 20-April 26 vs. April 27-May 3

State/Jurisdiction	New Confirmed COVID Cases Between April 27-May 3	New COVID-Related Reported Deaths Between April 27-May 3	Vaccinations Between April 27-May 3	Cases, Percent Change Between April 27-May 3 from Prior Week	Deaths, Percent Change Between April 27-May 3 from Prior Week	Vaccinations, Percent Change Between April 27-May 3 from Prior Week
North Dakota	758	8	13,650	-19.0%	300.0%	-41.8%
Ohio	8,737	96	393,259	-18.0%	-38.1%	-37.3%
Oklahoma	1,399	41	73,706	-16.7%	-8.9%	-40.7%
Oregon	4,837	14	213,350	-17.8%	-50.0%	-25.0%
Pennsylvania	19,096	204	637,885	-25.2%	-33.1%	-31.3%
Rhode Island	1,449	14	54,365	-22.2%	40.0%	-36.4%
South Carolina	3,877	56	134,062	-23.3%	55.6%	-32.5%
South Dakota	517	9	28,794	-40.4%	12.5%	-30.3%
Tennessee	5,190	42	191,069	-32.4%	-37.3%	-32.0%
Texas	17,690	287	954,611	-23.3%	-16.8%	-28.2%
Utah	2,236	18	107,911	-18.2%	50.0%	-30.7%
Vermont	483	3	46,285	-5.3%	0.0%	-12.6%
Virginia	5,542	88	431,070	-26.6%	-7.4%	-26.3%
Washington	8,682	45	388,132	-11.3%	-18.2%	-25.1%
West Virginia	2,359	24	40,339	-1.1%	N/A	-19.8%
Wisconsin	4,197	73	233,265	-15.9%	9.0%	-34.3%
Wyoming	407	0	12,316	-4.7%	-100.0%	-22.8%
U.S. Total	287,500	4,219	12,870,597	-21.5%	-12.2%	-30.0%

Green shaded cells represent trends in a favorable direction for each category. Red shaded cells represent trends in an unfavorable direction.

Note: West Virginia week-over-week death data is excluded due to downward revisions in their cumulative death count between April 20-26.

Data Source: CDC



The Rate of New Vaccinations is Slowing

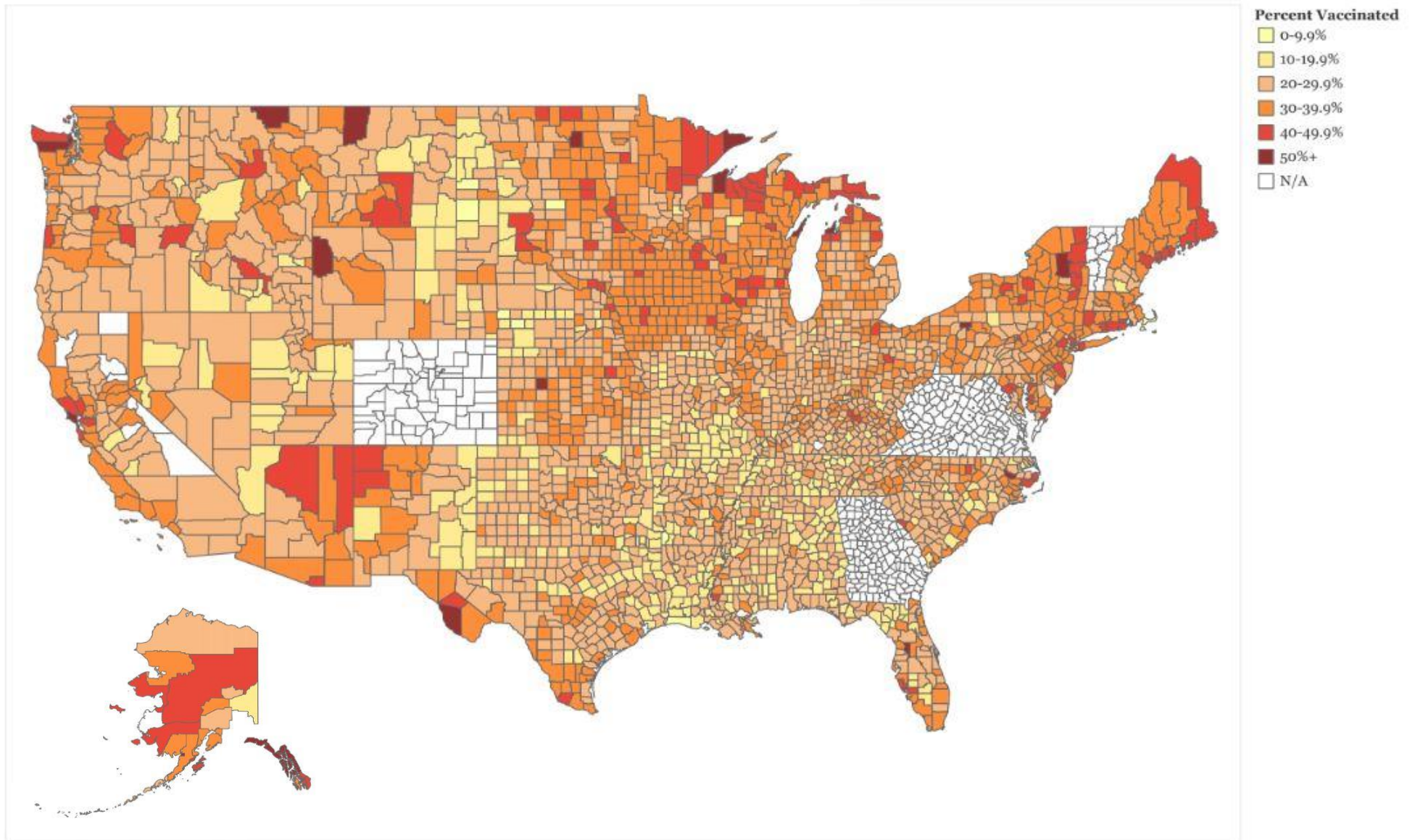
- As of May 3, the U.S. has administered 247.8 million doses of COVID vaccines.
 - 44.5% of the U.S. population has received at least one dose, and 32% has now been fully vaccinated.
 - 83% of seniors have received at least one dose and 70% have been fully vaccinated.
- The 7-day average daily rate of vaccination is now below 2 million doses, roughly the same level as it was at the end of February.
 - The 7-day rolling average for first doses fell from 2 million daily doses prior to the FDA and CDC’s freeze on the J&J vaccine in early April to only 750,000 now.
- In terms of share of their populations receiving at least one dose, eight of the 10 most vaccinated states are in New England. Six of the 10 least vaccinated states are in the South.

Best and Worst-Ranked States for Vaccinations as of May 3		
RANK	State & Percent with at least One Dose	State & Percent Fully Vaccinated
1	New Hampshire (61.0%)	Maine (41.5%)
2	Vermont (58.0%)	Connecticut (40.6%)
3	Massachusetts (57.7%)	Vermont (39.9%)
4	Connecticut (56.0%)	New Mexico (39.0%)
5	Maine (55.8%)	Rhode Island (38.6%)
6	Hawaii (53.9%)	Massachusetts (38.5%)
7	Rhode Island (53.6%)	South Dakota (38.1%)
8	New Jersey (52.5%)	New Jersey (37.8%)
9	New Mexico (51.8%)	Hawaii (36.9%)
10	Pennsylvania (50.9%)	Wisconsin (36.7%)
41	Indiana (36.7%)	Texas (28.0%)
42	Arkansas (36.0%)	Indiana (28.0%)
43	West Virginia (36.0%)	Idaho (28.0%)
44	Georgia (35.5%)	Louisiana (26.9%)
45	Tennessee (34.8%)	Arkansas (26.4%)
46	Idaho (34.4%)	Georgia (25.7%)
47	Wyoming (34.3%)	Tennessee (25.5%)
48	Alabama (32.8%)	Utah (25.0%)
49	Louisiana (32.4%)	Mississippi (24.3%)
50	Mississippi (31.4%)	Alabama (24.1%)



Data Source: CDC

Percent of Population Fully Vaccinated by County

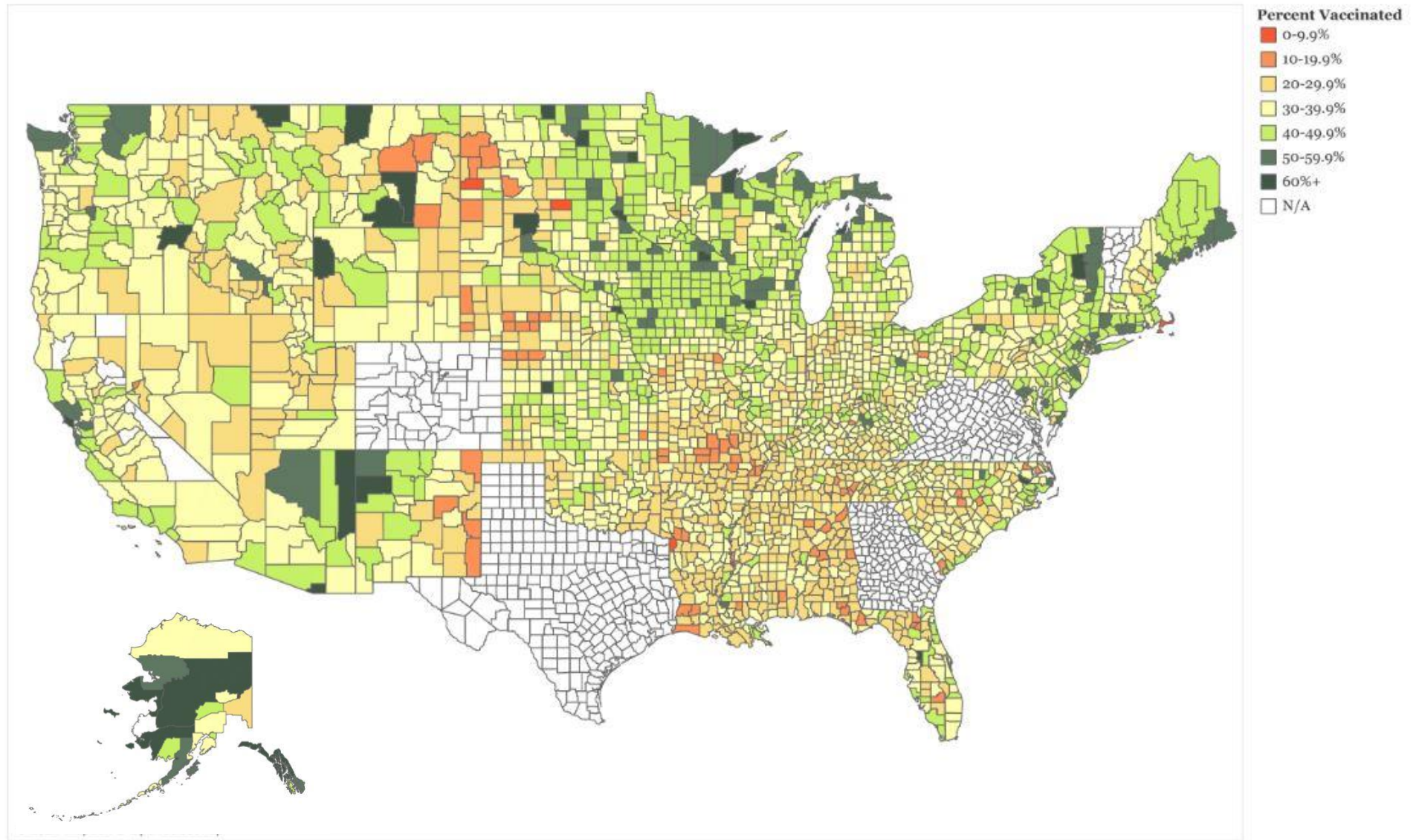


Data Source: CDC, NY
Databases.com

Note: CO, GA, HI, VA, VT, & WV
data excluded due to reporting
deficiencies. Data current to
May 3.

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Percent of Population Age 18+ Fully Vaccinated by County

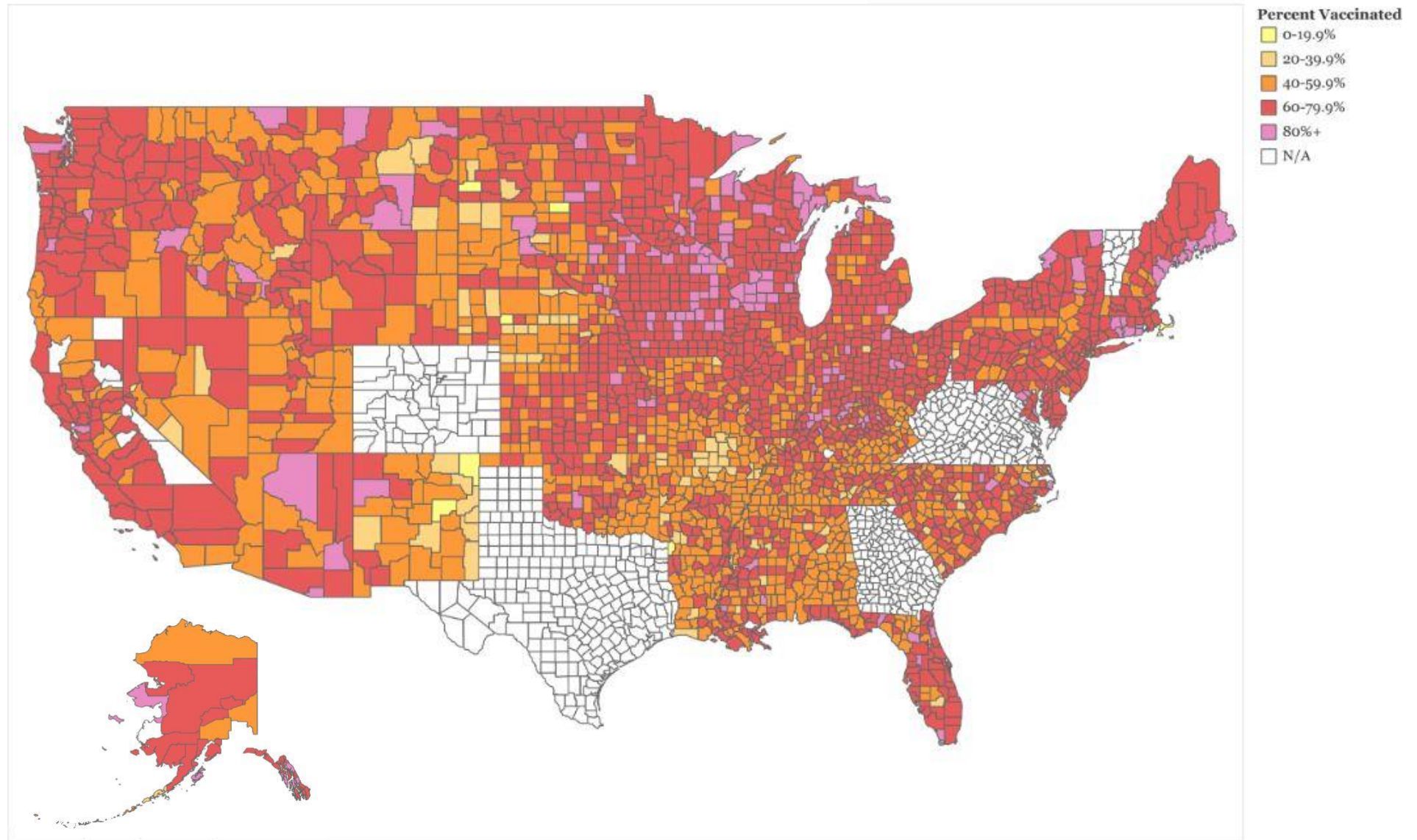


Data Source: CDC

Note: CO, GA, HI, TX, VA, VT, & WV data excluded due to reporting deficiencies. Data current to May 3.

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Percent of Population Age 65+ Fully Vaccinated by County



Data Source: CDC

Note: CO, GA, HI, TX, VA, VT, & WV data excluded due to reporting deficiencies. Data current to May 3.

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5 Slide Series Overview

Our 5 Slide Series is typically a monthly publication whereby we briefly discuss/address a selected topic outside the confines of our client engagements. Since March 2020, we have produced dozens of editions tracking the COVID pandemic. The Menges Group has developed a variety of datasets that we use to support our 5 Slide Series and client projects.

To be added to our list to receive these as they are published (or to be removed), please email us at pcall@themengesgroup.com. If you have questions about the content or data sources we have available, please email us at jmenges@themengesgroup.com or call 571-312-2360.

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