

Weekly Tabulations of COVID Cases and Deaths; Updated Vaccine Counts

5 Slide Series, Volume 94-a

March 5, 2021

The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- The US has resumed its downward slope of average new daily cases.
 - **The 7-day rolling average for new daily cases has declined for four straight days since February 27, after four consecutive days of case increases.** The new case average has now declined for 46 out of the last 50 days. The rolling average for new daily cases is now **67% lower** than it was 6 weeks ago.
 - Recent new case levels are as low as they were in October 2020, although there is evidence to suggest the decline is slowing. New weekly cases fell just under 5% this past week (February 25 – March 3) compared to the prior week (February 18 – 24), which is lower than the 17% average weekly decline since cases peaked in mid-January.
- Vaccine administration continues to surge favorably in the US. Nearly 14 million vaccine doses were given out this week—approximately 10% higher than the prior week’s total. 79.5 million vaccine doses have been received in total as of March 3.*
 - **As of March 3, 15.9% of the US population has received at least one dose and 8.1% is now fully vaccinated.**
- The FDA’s authorization of the one-dose Johnson and Johnson vaccine last week will significantly strengthen the “supply side” of the population vaccination effort.

* These vaccine numbers exclude vaccinations through Veterans Health, the Department of Defense, Bureau of Prisons, and the Indian Health Service, and those administered in U.S. territories.

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New Weekly US Cases & Deaths Continue to Decline

7 Day Period	New Daily Cases	Percent Change in New Daily Cases versus Prior Week	New Daily Deaths	Percent Change in New Daily Deaths versus Prior Week
Oct 15- Oct 21	417,712	14.7%	5,308	9.3%
Oct 22- Oct 28	519,642	24.4%	5,719	7.7%
Oct 29- Nov 4	729,973	40.5%	6,498	13.6%
Nov 5- Nov 11	896,876	22.9%	7,489	15.3%
Nov 12- Nov 18	1,124,986	25.4%	8,523	13.8%
Nov 19- Nov 25	1,235,364	9.8%	11,619	36.3%
Nov 26- Dec 2	1,152,004	-6.7%	11,201	-3.6%
Dec 3- Dec 9	1,464,703	27.1%	16,174	44.4%
Dec 10- Dec 16	1,492,726	1.9%	17,611	8.9%
Dec 17- Dec 23	1,484,063	-0.6%	18,717	6.3%
Dec 24- Dec 30	1,270,916	-14.4%	16,013	-14.4%
Dec 31- Jan 6	1,546,757	21.7%	18,683	16.7%
Jan 7- Jan 13	1,703,030	10.1%	23,348	25.0%
Jan 14- Jan 20	1,363,994	-19.9%	21,301	-8.8%
Jan 21- Jan 27	1,132,429	-17.0%	22,797	7.0%
Jan 28- Feb 3	947,384	-16.3%	21,288	-6.6%
Feb 4- Feb 10	731,521	-22.8%	20,773	-2.4%
Feb 11- Feb 17	544,481	-25.6%	18,912	-9.0%
Feb 18- Feb 24	467,449	-14.1%	14,463	-23.5%
Feb 25- Mar 3	445,192	-4.8%	13,595	-6.0%

- New COVID-19 cases and deaths continue to drop over recent weeks, including seven consecutive weeks of fewer cases and five consecutive weeks of fewer deaths.
- The change in new cases this week (February 25 – March 3) **declined by 4.8%** compared to the previous week (February 18 – 24). Weekly new cases are now as low as they were in mid-October.
 - However, this change has dropped in magnitude compared to prior weeks.
- New deaths this week **declined by 6.0%** compared to the prior week (where a 23.5% decrease occurred relative to the previous week).

* Yellow highlighting indicate weeks where new daily cases/deaths declined from the previous week.

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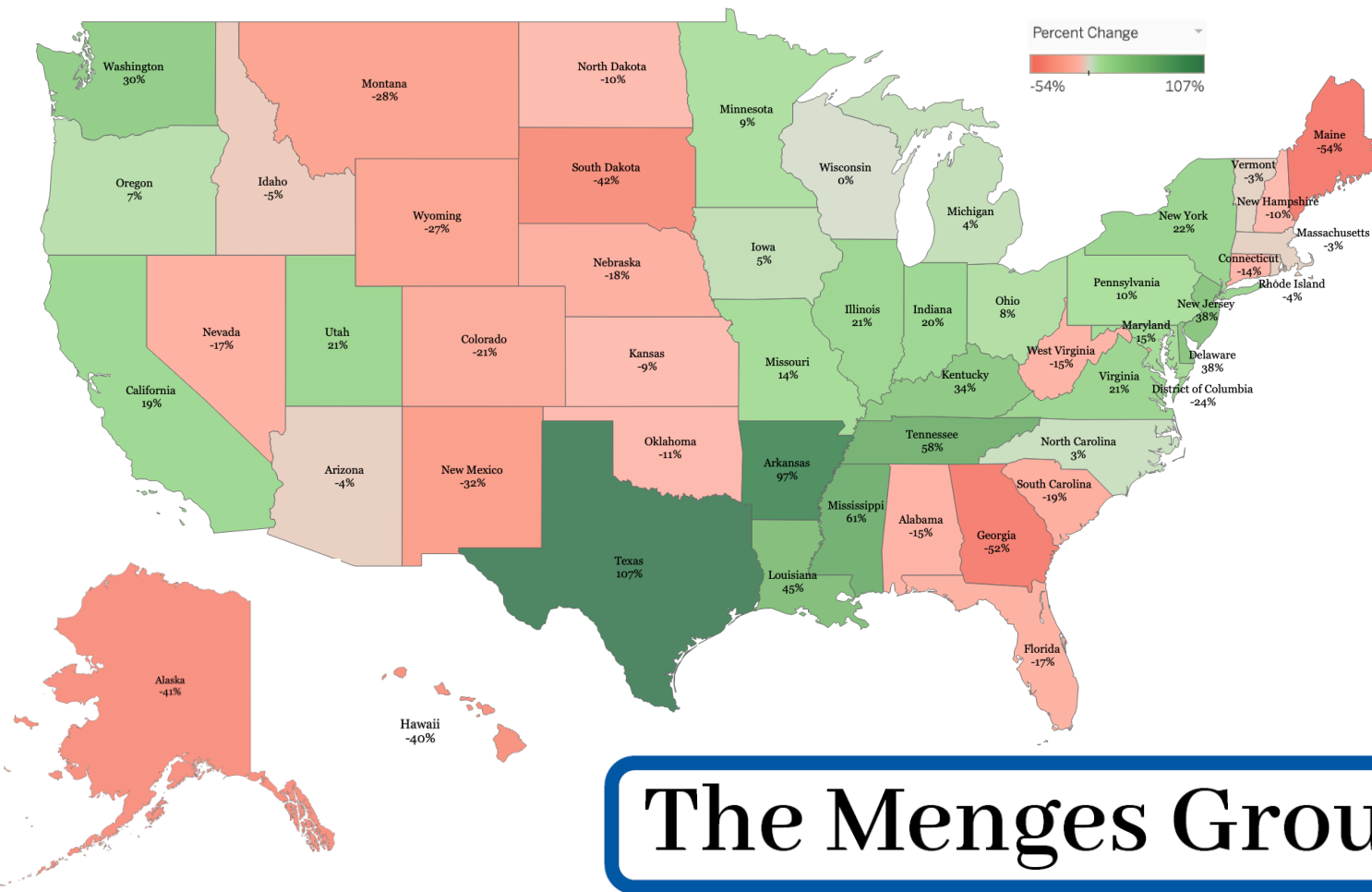
Data Source Used to Perform Our Tabulations: COVID Tracking Project

Vaccination Breakdown

- Approximately **14 million** vaccine doses were administered between February 25 and March 3, which is 9.8% more than the 12.7 million doses administered from February 18 - 24.
- Including Veterans Health, the Department of Defense, Bureau of Prisons, the Indian Health Service, and U.S. territories, **the average daily vaccination rate across this past week is now over 2 million– the highest level yet.**
 - Texas increased its rate of vaccinations this week by 107% compared to last week– the highest among all states. This suggests the state is recovering (in terms of vaccinations) from the recent cold temperatures and ice storm.
- **All states have vaccinated at least 12.0% of their populations with one or more doses of the vaccine**, and 5 states (Alaska, North Dakota, South Dakota, New Mexico, and Connecticut) have vaccinated more than 20%.

State Comparison of Weekly Vaccination Rates

Percent Change, Vaccine Doses Administered Between Feb 18-24 and Feb 25-Mar 3



- 25 states increased their rate of vaccination this week compared to last week.
- Texas (+107%), Arkansas (+97%), Mississippi (+61%), Tennessee (+58%) and Louisiana (+45%) reported the largest increases.
- Maine (-54%), Georgia (-52%), South Dakota (-42%), Alaska (-41%) and Hawaii (-40%) reported the largest decreases.

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Data Source Used to Perform Our Tabulations: Bloomberg

Trends in Vaccine Distribution for Alabama through Kansas, as of March 3, 2021

State/Jurisdiction	Total Doses Administered	Total Doses Administered Feb 18-Feb 24	Total Doses Administered Feb 25- Mar 3	Percent Change, Doses Administered Between Feb 18-24 and Feb 25-Mar 3	Percent of Population with 1+ Dose	Percent of Population with 2 Doses	Rank, Percent of Population with 1+ Dose	Rank, Percent of Population with 2 Doses
Alabama	1,000,031	189,683	160,328	-15.5%	13.4%	6.9%	49	49
Alaska	273,350	50,033	29,700	-40.6%	23.3%	14.0%	1	1
Arizona	1,930,999	391,042	375,057	-4.1%	18.0%	8.4%	13	27
Arkansas	687,433	67,517	132,967	96.9%	14.6%	8.0%	45	33
California	9,731,169	1,553,000	1,855,158	19.5%	16.9%	7.6%	20	40
Colorado	1,462,053	244,135	193,751	-20.6%	16.6%	8.7%	24	17
Connecticut	1,061,375	173,842	149,342	-14.1%	20.8%	8.7%	4	17
Delaware	237,669	34,725	47,833	37.7%	15.7%	8.6%	32	22
District of Columbia	202,090	41,883	31,747	-24.2%	18.6%	9.9%	8	9
Florida	5,167,346	800,133	664,644	-16.9%	15.4%	8.5%	34	25
Georgia	2,133,517	445,822	214,255	-51.9%	12.3%	7.3%	51	42
Hawaii	399,195	99,056	59,424	-40.0%	17.8%	10.4%	15	6
Idaho	418,956	76,365	72,422	-5.2%	15.0%	7.8%	41	36
Illinois	3,022,385	465,286	561,000	20.6%	16.5%	7.0%	26	48
Indiana	1,657,664	247,640	296,611	19.8%	15.4%	9.0%	34	13
Iowa	753,860	126,230	132,143	4.7%	17.5%	6.1%	17	50
Kansas	644,921	125,738	114,017	-9.3%	14.8%	7.2%	43	44

Green shaded cells represent top 5 performing states in each column, and red shaded cells represent bottom 5 performing states.



Data Source Used to Perform Our Tabulations: Bloomberg

Trends in Vaccine Distribution for Kentucky through North Carolina, as of March 3, 2021

State/Jurisdiction	Total Doses Administered	Total Doses Administered Feb 18-Feb 24	Total Doses Administered Feb 25- Mar 3	Percent Change, Doses Administered Between Feb 18-24 and Feb 25-Mar 3	Percent of Population with 1+ Dose	Percent of Population with 2 Doses	Rank, Percent of Population with 1+ Dose	Rank, Percent of Population with 2 Doses
Kentucky	1,082,228	154,983	207,388	33.8%	16.0%	8.1%	28	31
Louisiana	1,107,626	129,220	186,832	44.6%	15.3%	8.5%	39	25
Maine	334,449	62,917	29,087	-53.8%	16.8%	7.9%	22	35
Maryland	1,454,494	256,811	294,511	14.7%	15.5%	8.6%	33	22
Massachusetts	1,884,139	363,136	350,605	-3.5%	19.1%	8.2%	6	30
Michigan	2,423,899	363,595	379,403	4.3%	15.4%	8.7%	34	17
Minnesota	1,477,533	263,919	288,432	9.3%	17.5%	8.6%	17	22
Mississippi	665,772	87,098	140,310	61.1%	14.6%	7.7%	45	38
Missouri	1,415,806	245,227	278,573	13.6%	15.0%	7.8%	41	36
Montana	291,572	62,047	44,946	-27.6%	18.1%	9.1%	11	12
Nebraska	497,106	110,992	91,210	-17.8%	16.7%	8.8%	23	16
Nevada	733,953	153,809	127,132	-17.3%	15.4%	8.1%	34	31
New Hampshire	339,484	63,919	57,249	-10.4%	17.6%	7.3%	16	42
New Jersey	2,249,861	323,183	446,265	38.1%	16.9%	8.4%	20	27
New Mexico	735,930	171,287	117,264	-31.5%	22.5%	12.2%	2	2
New York	4,607,571	642,807	786,512	22.4%	15.2%	8.0%	40	33
North Carolina	2,606,912	429,664	442,423	3.0%	16.1%	8.7%	27	17

Green shaded cells represent top 5 performing states in each column, and red shaded cells represent bottom 5 performing states.

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Data Source Used to Perform Our Tabulations: Bloomberg

Trends in Vaccine Distribution for North Dakota through Wyoming & US Total, as of March 3, 2021

State/Jurisdiction	Total Doses Administered	Total Doses Administered Feb 18-Feb 24	Total Doses Administered Feb 25- Mar 3	Percent Change, Doses Administered Between Feb 18-24 and Feb 25-Mar 3	Percent of Population with 1+ Dose	Percent of Population with 2 Doses	Rank, Percent of Population with 1+ Dose	Rank, Percent of Population with 2 Doses
North Dakota	241,181	45,726	41,368	-9.5%	20.4%	11.0%	5	4
Ohio	2,790,056	462,950	501,928	8.4%	15.4%	8.4%	34	27
Oklahoma	1,147,833	239,020	212,376	-11.1%	18.4%	10.4%	9	6
Oregon	1,050,060	172,969	184,310	6.6%	15.8%	9.0%	29	13
Pennsylvania	2,948,581	475,244	523,152	10.1%	15.8%	7.1%	29	47
Rhode Island	282,767	67,063	64,268	-4.2%	18.9%	7.7%	7	38
South Carolina	1,150,199	218,281	176,496	-19.1%	14.7%	7.2%	44	44
South Dakota	287,657	76,845	44,947	-41.5%	21.5%	11.0%	3	4
Tennessee	1,455,498	176,478	279,503	58.4%	14.0%	7.2%	47	44
Texas	6,191,550	611,659	1,267,590	107.2%	13.8%	7.5%	48	41
Utah	745,913	96,538	116,740	20.9%	13.2%	6.1%	50	50
Vermont	173,179	29,006	28,209	-2.7%	18.1%	9.6%	11	10
Virginia	2,220,648	343,402	417,143	21.5%	16.6%	9.0%	24	13
Washington	1,888,198	288,496	373,782	29.6%	15.8%	8.7%	29	17
West Virginia	541,453	78,468	66,976	-14.6%	18.3%	11.9%	10	3
Wisconsin	1,553,270	270,232	270,547	0.1%	17.2%	9.2%	19	11
Wyoming	162,918	36,180	26,552	-26.6%	18.0%	10.0%	13	8
National	79,523,309	12,705,301	13,954,428	9.8%	15.9%	8.1%		

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International Vaccination Comparison

Country	Doses Administered	Doses per 100 people	Rank, Doses per 100 people	1+ dose	2 doses	COVID Deaths per 100k Population
Israel	8,368,983	92.46	1	53.4%	39.1%	65.32
Seychelles	80,729	84.09	2	58.5%	25.6%	13.44
United Arab Emirates	6,168,330	57.39	3	–	–	13.18
Maldives	129,424	34.79	4	34.8%	–	12.22
U.K.	21,599,027	32.34	5	31.0%	1.3%	186.52
U.S.	79,523,309	23.95	6	15.9%	8.1%	158.43
Serbia	1,530,671	21.98	7	14.3%	7.7%	64.32
Bahrain	302,671	20.4	8	20.4%	–	29.18
Chile	3,766,523	19.71	9	19.1%	0.6%	110.54
Malta	84,129	17.03	10	11.0%	6.0%	66.39
European Union	35,637,738	8.02	31	5.2%	2.6%	122.71
Germany	6,604,578	7.95	32	5.3%	2.7%	85.96
Italy	4,718,726	7.82	35	5.4%	2.5%	163.22
France	4,839,444	7.47	36	4.8%	2.6%	130.91
Canada	2,072,493	5.52	42	2.8%	1.5%	59.65
Brazil	9,588,170	4.56	44	3.5%	1.1%	123.78
China	52,500,000	3.75	46	–	–	0.35
Russia	3,900,000	2.66	55	2.7%	–	59.46
Mexico	2,583,435	2.03	57	1.6%	0.5%	149.02
India	16,314,485	1.19	61	1.0%	0.2%	11.63
Australia	47,759	0.19	77	–	–	3.64
South Korea	87,428	0.17	80	0.2%	–	3.14
Japan	37,303	0.03	89	0.0%	–	6.38
Global Total	273,889,208	–	–	–	–	–

- Of all countries reporting vaccinations, the US is ranked sixth in terms of vaccine doses administered per capita (23.95 doses per 100 people) as of March 3.
 - The vaccine rollout in Canada and the European Union drastically lags the US's, with only 5.52 and 8.02 doses per 100 people, respectively.
- Israel leads the world for total percentage of its population vaccinated, with more than half (53.4%) receiving at least the first dose.
- Nearly 274 million doses of the vaccine have been given worldwide– 29% of which have been in the US. The US has 4% of the world's population.

Data Source Used to Perform Our Tabulations:
Bloomberg, Johns Hopkins University

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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, 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.

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