

COVID Tabulations: The Past Week's Trends in Cases, Deaths, and Vaccinations

5 Slide Series, Volume 92-c

January 22, 2021

The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- The United States surpassed 400,000 COVID-attributed deaths this week, moving from 300,000 to 400,000 in just 36 days.
- 21,280 new deaths and 1,351,276 new cases were reported in the United States during the week of January 14 – 20. The past two weeks have been the deadliest weeks to date, with the US averaging more than 3,000 COVID deaths per day.
- 5,851,715 new vaccine doses were administered in the United States between January 14 and January 20. As of January 20, 4.0% of the US population had received at least the first dose.

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US COVID Deaths During Past 10 Weeks

- During 5 of the past 7 weeks, the US has experienced its highest (at that time) number of new weekly COVID deaths. These weeks are highlighted in yellow.
- The most recent week's death total (21,280), while the second-worst week we have experienced, could represent the beginning of a much-needed prolonged downturn.

7 Day Period	New COVID Deaths	% Change vs. Prior Week
Nov 12 - 18	8,636	17%
Nov 19 - 25	11,651	35%
Nov 26 - Dec 2	11,250	-3%
Dec 3 - 9	16,214	44%
Dec 10 - 16	17,732	9%
Dec 17 - 23	18,633	5%
Dec 24 - 30	16,044	-14%
Dec 31 - Jan 6	18,699	17%
Jan 7 - 13	23,355	25%
Jan 14 - 20	21,280	-9%

Trends in COVID Cases and Deaths over the Last Two Weeks, Alabama through Kansas

State	New Deaths per 100,000 Population, Jan 7 - 13	New Deaths per 100,000 Population, Jan 14 - 20	Percent Increase in New Deaths Jan 14 - 20 vs. Jan 7 - 13	New Cases per 100,000 Population, Jan 7 - 13	New Cases per 100,000 Population, Jan 14 - 20	Percent Increase in New Cases Jan 14 - 20 vs. Jan 7 - 13
Alabama	15.6	10.7	-31.7%	546.8	380.6	-30.4%
Alaska	0.8	3.7	350.0%	258.4	212.6	-17.7%
Arizona	16.8	12.0	-28.4%	893.8	687.3	-23.1%
Arkansas	9.4	8.4	-10.5%	643.7	467.0	-27.5%
California	9.1	8.5	-7.3%	782.3	589.1	-24.7%
Colorado	4.8	2.7	-43.4%	316.3	219.5	-30.6%
Connecticut	8.6	5.3	-37.9%	592.4	380.3	-35.8%
Delaware	4.8	3.3	-31.9%	559.1	472.6	-15.5%
District of Columbia	3.5	4.5	28.0%	300.1	255.5	-14.9%
Florida	5.0	5.5	9.5%	500.8	389.0	-22.3%
Georgia	5.8	8.8	51.0%	639.1	512.9	-19.7%
Hawaii	0.8	0.9	8.3%	94.5	62.7	-33.6%
Idaho	4.5	3.4	-24.7%	349.1	290.1	-16.9%
Illinois	7.0	5.3	-24.4%	369.6	277.8	-24.8%
Indiana	6.2	5.4	-12.9%	518.7	359.9	-30.6%
Iowa	5.5	5.1	-5.8%	329.2	241.7	-26.6%
Kansas	11.3	7.6	-32.9%	522.2	374.4	-28.3%

Yellow highlighting indicates a top ten ranking in each category. Salmon highlighting indicates a bottom ten ranking.



Trends in COVID Cases and Deaths over the Last Two Weeks, Kentucky through North Carolina

State	New Deaths per 100,000 Population, Jan 7 - 13	New Deaths per 100,000 Population, Jan 14 - 20	Percent Increase in New Deaths Jan 14 - 20 vs. Jan 7 - 13	New Cases per 100,000 Population, Jan 7 - 13	New Cases per 100,000 Population, Jan 14 - 20	Percent Increase in New Cases Jan 14 - 20 vs. Jan 7 - 13
Kentucky	4.2	4.7	12.2%	597.2	461.8	-22.7%
Louisiana	7.3	7.8	5.9%	479.9	403.3	-16.0%
Maine	6.0	5.7	-4.9%	302.0	283.7	-6.1%
Maryland	4.5	4.7	4.8%	363.5	289.5	-20.4%
Massachusetts	7.6	6.8	-10.1%	644.1	472.9	-26.6%
Michigan	6.7	4.3	-35.0%	222.0	170.0	-23.4%
Minnesota	4.4	3.6	-16.7%	226.4	162.0	-28.4%
Mississippi	10.1	10.9	7.0%	526.3	434.4	-17.5%
Missouri	6.0	5.3	-10.7%	384.1	232.0	-39.6%
Montana	5.1	2.3	-53.7%	337.2	242.3	-28.1%
Nebraska	5.9	3.4	-42.6%	336.7	282.2	-16.2%
Nevada	9.6	8.9	-7.5%	528.2	363.1	-31.2%
New Hampshire	5.1	4.8	-5.8%	388.8	390.7	0.5%
New Jersey	7.2	5.6	-22.1%	510.7	433.6	-15.1%
New Mexico	7.9	9.6	21.7%	435.7	320.3	-26.5%
New York	6.7	7.0	4.6%	541.0	476.7	-11.9%
North Carolina	6.2	4.5	-27.2%	560.9	478.4	-14.7%

Yellow highlighting indicates a top ten ranking in each category. Salmon highlighting indicates a bottom ten ranking.



Trends in COVID Cases and Deaths over the Last Two Weeks, North Dakota through Wyoming, Including US Totals

State	New Deaths per 100,000 Population, Jan 7 - 13	New Deaths per 100,000 Population, Jan 14 - 20	Percent Increase in New Deaths Jan 14 - 20 vs. Jan 7 - 13	New Cases per 100,000 Population, Jan 7 - 13	New Cases per 100,000 Population, Jan 14 - 20	Percent Increase in New Cases Jan 14 - 20 vs. Jan 7 - 13
North Dakota	3.0	5.9	95.7%	171.0	144.6	-15.4%
Ohio	4.4	4.5	2.9%	486.1	366.1	-24.7%
Oklahoma	5.4	6.0	10.2%	752.9	480.1	-36.2%
Oregon	3.4	3.0	-13.8%	210.2	143.1	-31.9%
Pennsylvania	11.7	11.0	-5.9%	453.7	326.4	-28.1%
Rhode Island	9.2	6.7	-26.8%	662.9	508.9	-23.2%
South Carolina	6.4	8.1	26.7%	624.3	669.4	7.2%
South Dakota	9.6	7.1	-25.9%	283.8	211.2	-25.6%
Tennessee	11.1	5.9	-46.7%	632.9	408.3	-35.5%
Texas	7.3	7.7	5.5%	525.9	501.0	-4.7%
Utah	3.6	2.2	-40.5%	689.2	423.1	-38.6%
Vermont	1.0	1.1	16.7%	193.9	176.8	-8.8%
Virginia	3.8	3.6	-5.2%	412.9	504.3	22.1%
Washington	3.0	1.5	-50.9%	261.3	168.1	-35.7%
West Virginia	10.6	9.2	-13.2%	542.0	406.5	-25.0%
Wisconsin	4.1	6.1	50.6%	378.2	259.3	-31.4%
Wyoming	10.0	4.8	-51.7%	414.5	317.1	-23.5%
United States	7.0	6.4	-8.9%	514.3	406.8	-20.9%

Yellow highlighting indicates a top ten ranking in each category. Salmon highlighting indicates a bottom ten ranking.



Discussion, US COVID Cases and Deaths

- More than 24 million COVID cases have been recorded as of January 20.
 - 20 states reported more than 400 new cases per 100,000 population during the week of January 14 – 20. Arizona, South Carolina, and Georgia reported the highest number of new cases per 100,000 population at 687, 669, and 589, respectively.
- During the past week, COVID deaths per 100,000 population were highest in Arizona (12.0), Pennsylvania (11.0), and Mississippi (10.9).
- COVID deaths have accelerated as we have failed to control the pandemic.
 - It took 128 days from the first confirmed case for 100,000 deaths to occur.
 - 118 days later, the US reached 200,000 COVID-attributed deaths.
 - 84 days after that, the US reached 300,000 COVID deaths.
 - Just 36 days later, US COVID deaths totaled more than 400,000.

Trends in Vaccine Distribution for Alabama through Kansas, as of January 20, 2021

State	Total Doses Administered, as of Jan 20	Total Doses Administered Jan 7 - 13	Total Doses Administered Jan 14 - 20	Percent Increase in Doses Administered Jan 14 - 20 vs. Jan 7 - 13	Doses Administered per 100,000 Population	People with 1+ Doses per 100,000 Population	People with 2 Doses Per 100,000 Population	Percent of Population with One or More Doses, as of Jan 13	Percent of Population with One or More Doses, as of Jan 20	Ranking, Percent of Population with One or More Doses, as of Jan 20
Alabama	139,200	40,760	55,160	35.3%	2,839	2,470	366	1.7%	2.5%	51
Alaska	68,293	18,574	29,613	59.4%	9,335	7,780	1,542	5.3%	7.8%	1
Arizona	281,887	79,062	127,142	60.8%	3,873	3,393	478	2.1%	3.4%	42
Arkansas	173,312	53,955	78,458	45.4%	5,743	4,798	879	3.1%	4.8%	15
California	1,532,329	405,402	640,840	58.1%	3,878	3,177	692	2.3%	3.2%	47
Colorado	340,438	117,318	100,773	-14.1%	5,912	4,987	894	4.2%	5.0%	11
Connecticut	243,140	68,819	81,265	18.1%	6,820	5,978	702	4.5%	6.0%	4
Delaware	45,640	13,578	17,227	26.9%	4,687	3,965	711	2.9%	4.0%	32
District of Columbia	51,733	15,574	18,684	20.0%	7,330	5,829	1,495	4.7%	5.8%	6
Florida	1,239,975	366,366	534,577	45.9%	5,773	5,240	520	3.3%	5.2%	10
Georgia	397,048	109,061	198,292	81.8%	3,740	3,353	330	1.9%	3.4%	44
Hawaii	71,944	13,709	35,339	157.8%	5,081	4,104	977	2.6%	4.1%	31
Idaho	69,267	18,024	30,395	68.6%	3,876	3,264	601	2.2%	3.3%	46
Illinois	539,926	176,199	174,067	-1.2%	4,261	3,360	850	2.9%	3.4%	43
Indiana	356,385	99,528	145,051	45.7%	5,294	4,422	871	3.1%	4.4%	25
Iowa	149,850	46,042	37,757	-18.0%	4,749	4,232	444	3.6%	4.2%	29
Kansas	122,705	53,712	37,055	-31.0%	4,212	3,627	550	2.9%	3.6%	39

Yellow highlighting indicates a top ten ranking in each category.

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Trends in Vaccine Distribution for Kentucky through North Carolina, as of January 20, 2021

State	Total Doses Administered, as of Jan 20	Total Doses Administered Jan 7 - 13	Total Doses Administered Jan 14 - 20	Percent Increase in Doses Administered Jan 14 - 20 vs. Jan 7 - 13	Doses Administered per 100,000 Population	People with 1+ Doses per 100,000 Population	People with 2 Doses Per 100,000 Population	Percent of Population with One or More Doses, as of Jan 13	Percent of Population with One or More Doses, as of Jan 20	Ranking, Percent of Population with One or More Doses, as of Jan 20
Kentucky	223,946	74,763	81,510	9.0%	5,013	4,671	310	3.2%	4.7%	19
Louisiana	264,400	101,213	108,214	6.9%	5,687	4,922	754	3.4%	4.9%	14
Maine	76,167	23,047	18,919	-17.9%	5,666	4,780	793	4.3%	4.8%	16
Maryland	258,146	90,543	80,090	-11.5%	4,270	3,861	403	2.9%	3.9%	34
Massachusetts	330,490	92,993	113,047	21.6%	4,795	4,181	610	3.2%	4.2%	30
Michigan	508,607	166,830	217,088	30.1%	5,093	4,350	706	2.9%	4.3%	26
Minnesota	252,548	68,257	87,193	27.7%	4,478	3,721	752	2.9%	3.7%	38
Mississippi	122,586	36,903	61,297	66.1%	4,119	3,781	335	2.1%	3.8%	35
Missouri	244,476	56,611	82,692	46.1%	3,983	3,159	804	2.6%	3.2%	48
Montana	57,220	19,489	13,157	-32.5%	5,354	4,499	853	4.1%	4.5%	21
Nebraska	106,283	42,946	26,584	-38.1%	5,494	4,706	748	4.1%	4.7%	18
Nevada	107,133	24,779	45,480	83.5%	3,478	2,893	559	2.0%	2.9%	50
New Hampshire	75,418	22,041	20,200	-8.4%	5,547	4,954	589	4.1%	5.0%	13
New Jersey	432,220	125,396	169,238	35.0%	4,866	4,291	556	3.0%	4.3%	28
New Mexico	143,302	37,089	61,447	65.7%	6,834	5,538	1,178	3.9%	5.5%	8
New York	1,046,490	320,676	414,017	29.1%	5,379	4,762	549	3.3%	4.8%	17
North Carolina	427,480	129,740	160,542	23.7%	4,076	3,517	557	2.5%	3.5%	41

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Trends in Vaccine Distribution for North Dakota through Wyoming, Including US Totals, as of January 20, 2021

State	Total Doses Administered, as of Jan 20	Total Doses Administered Jan 7 - 13	Total Doses Administered Jan 14 - 20	Percent Increase in Doses Administered Jan 14 - 20 vs. Jan 7 - 13	Doses Administered per 100,000 Population	People with 1+ Doses per 100,000 Population	People with 2 Doses Per 100,000 Population	Percent of Population with One or More Doses, as of Jan 13	Percent of Population with One or More Doses, as of Jan 20	Ranking, Percent of Population with One or More Doses, as of Jan 20
North Dakota	57,657	17,086	16,929	-0.9%	7,566	6,345	1,175	5.3%	6.3%	3
Ohio	487,481	153,637	158,163	2.9%	4,170	3,905	264	2.8%	3.9%	33
Oklahoma	251,684	99,541	79,281	-20.4%	6,361	5,501	816	4.4%	5.5%	9
Oregon	216,928	59,828	101,853	70.2%	5,143	4,565	566	2.7%	4.6%	20
Pennsylvania	568,660	200,590	188,716	-5.9%	4,442	3,771	666	3.0%	3.8%	36
Rhode Island	56,617	16,340	14,589	-10.7%	5,344	4,333	1,010	4.0%	4.3%	27
South Carolina	192,608	41,843	92,721	121.6%	3,741	3,118	596	1.9%	3.1%	49
South Dakota	62,518	19,445	11,806	-39.3%	7,067	5,940	1,122	5.7%	5.9%	5
Tennessee	358,534	98,324	93,821	-4.6%	5,250	4,478	762	3.9%	4.5%	22
Texas	1,471,746	489,039	493,704	1.0%	5,076	4,425	647	3.4%	4.4%	24
Utah	181,792	47,723	77,756	62.9%	5,670	4,985	508	3.2%	5.0%	12
Vermont	40,814	10,831	11,243	3.8%	6,541	5,546	988	4.7%	5.5%	7
Virginia	343,366	100,596	125,530	24.8%	4,023	3,563	441	2.6%	3.6%	40
Washington	346,765	103,263	138,527	34.1%	4,554	3,762	653	2.7%	3.8%	37
West Virginia	158,621	48,555	47,912	-1.3%	8,851	7,417	1,433	6.2%	7.4%	2
Wisconsin	222,492	64,040	85,239	33.1%	3,821	3,323	469	2.4%	3.3%	45
Wyoming	29,309	9,434	11,515	22.1%	5,064	4,465	595	3.1%	4.5%	23
United States	15,547,576	4,709,114	5,851,715	24.3%	4,681	4,296	651	2.9%	4.0%	NA

Yellow highlighting indicates a top ten ranking in each category.

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Discussion, Vaccine Distribution in the US

- Vaccine distribution in the US continues to ramp up and has increased by 24% over the week of January 7 – 13. As of January 20, a total of 15.5 million doses have been distributed.
- 13 states have administered at least one dose to more than 5% of their population. 19 additional states are not far behind with 4.0% to 4.9% of their population having received at least one dose of the vaccine.
- Both Hawaii and South Carolina ***more than doubled*** the number of vaccines distributed during January 14 – 20 versus the previous week.
- Alarming, 16 states reported a decrease in the number of new vaccines administered during the past week.

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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.

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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