

# Weekly Update of COVID Cases, Deaths, and Vaccinations

5 Slide Series, Volume 95-b  
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**The Menges Group**

Strategic Health Policy & Care Coordination Consulting

# Introduction: Vaccinations

- The U.S. has administered 215.6 million vaccine doses as of April 20 at a rate of 2.8 million doses per day throughout April– the best month so far in terms of the average daily vaccination rate.
  - 40.4% of the population is now vaccinated with at least one dose, and 23.9% is fully vaccinated.
- The average rate of daily vaccination has dipped this week– likely due to a combination of the government’s halting the use of the Johnson & Johnson vaccine and considerable vaccine hesitancy.
  - Over the past seven days (April 14-April 20), total weekly vaccinations across all states and D.C., have declined 9.5% compared to the prior week’s (April 7-April 13).
  - The large proportion of adults currently unwilling to obtain the vaccination creates a dynamic where vaccination supply could soon exceed demand– if it hasn’t already.

# Introduction: Cases and Deaths

- 441,600 new COVID cases were confirmed between April 14 and April 20.
  - The average rate of new daily cases in April (through April 20) is about 65,600– 15% higher than the daily average for March but still 22% lower than the February average.
  - Cases over the past week (April 14-April 20) did, however, fall by 8.5% compared to the prior week's (April 7-April 13).
- The rate of new daily deaths has continued to fall. There were 4,778 COVID deaths between April 14 and April 20, and the average daily rate for April (674 per day through April 20) is 37% below the daily average for March and 70% lower than the February average.

# Weekly Changes in Cases, Deaths, and Vaccinations by State (Alabama-Kansas): April 14-April 20 vs. April 7-April 13

State/Jurisdiction	Cases in Last 7 Days	Deaths in Last 7 Days	Vaccinations in Last 7 Days	Cases, Percent Change in Last 7 Days from Prior Week	Deaths, Percent Change in Last 7 Days from Prior Week	Vaccinations, Percent Change in Last 7 Days from Prior Week
Alabama	2,342	76	191,636	4.6%	8.6%	-18.0%
Alaska	1,097	-	25,016	-8.7%	-100.0%	-60.3%
Arizona	4,309	90	381,138	-9.1%	-21.7%	-3.7%
Arkansas	1,263	33	137,108	6.6%	57.1%	-12.7%
California	15,906	546	3,292,290	-22.7%	-23.8%	15.3%
Colorado	11,535	43	414,381	2.6%	19.4%	-7.6%
Connecticut	6,450	46	298,141	-19.0%	4.5%	-13.6%
Delaware	2,572	16	72,789	10.4%	-20.0%	1.6%
District of Columbia	853	12	60,308	9.1%	9.1%	2.6%
Florida	43,192	413	1,350,344	0.4%	21.5%	-9.8%
Georgia	9,829	250	593,642	-1.4%	-19.4%	-0.8%
Hawaii	554	3	207,739	-8.6%	-25.0%	113.7%
Idaho	1,555	22	76,939	-10.0%	-15.4%	2.3%
Illinois	21,389	163	873,350	-9.9%	6.5%	2.0%
Indiana	7,439	67	321,109	-9.8%	-19.3%	-6.4%
Iowa	3,043	36	179,645	-17.0%	63.6%	-24.5%
Kansas	1,571	25	161,533	5.3%	127.3%	-16.1%

Green shaded cells represent the top five ranked states in each column based on performance, and red shaded cells represent the worst five ranked states.



Data Source: Centers for Disease Control and Prevention

# Weekly Changes in Cases, Deaths, and Vaccinations by State (Kentucky-North Carolina): April 14-April 20 vs. April 7-April 13

State/Jurisdiction	Cases in Last 7 Days	Deaths in Last 7 Days	Vaccinations in Last 7 Days	Cases, Percent Change in Last 7 Days from Prior Week	Deaths, Percent Change in Last 7 Days from Prior Week	Vaccinations, Percent Change in Last 7 Days from Prior Week
Kentucky	3,999	59	246,725	-7.2%	1.7%	-13.4%
Louisiana	3,432	51	184,776	3.2%	-37.0%	-5.0%
Maine	3,091	11	101,016	14.7%	10.0%	-26.8%
Maryland	8,438	112	473,895	-25.3%	-2.6%	-7.8%
Massachusetts	11,013	70	572,691	-16.1%	-6.7%	-10.3%
Michigan	48,238	255	632,299	-12.5%	44.1%	-7.6%
Minnesota	13,446	69	345,279	-8.8%	-5.5%	-15.4%
Mississippi	1,707	19	94,229	13.8%	-51.3%	-25.0%
Missouri	3,259	64	325,559	-28.6%	-44.8%	-9.3%
Montana	953	26	54,676	-6.7%	13.0%	-7.2%
Nebraska	2,426	17	98,986	27.9%	-60.5%	-35.3%
Nevada	2,559	38	169,831	-17.5%	-9.5%	-16.9%
New Hampshire	2,448	14	105,962	-20.9%	75.0%	-40.7%
New Jersey	23,954	261	635,347	-8.5%	6.5%	-18.6%
New Mexico	1,451	22	125,650	4.3%	-21.4%	-14.1%
New York	39,784	411	1,370,611	-17.3%	-21.0%	-14.7%
North Carolina	14,141	132	551,646	8.8%	13.8%	-15.0%

Green shaded cells represent the top five ranked states in each column based on performance, and red shaded cells represent the worst five ranked states.



Data Source: Centers for Disease Control and Prevention

# Weekly Changes in Cases, Deaths, and Vaccinations by State (North Dakota-Wyoming & U.S. Total): April 14-April 20 vs. April 7-April 13

State/Jurisdiction	Cases in Last 7 Days	Deaths in Last 7 Days	Vaccinations in Last 7 Days	Cases, Percent Change in Last 7 Days from Prior Week	Deaths, Percent Change in Last 7 Days from Prior Week	Vaccinations, Percent Change in Last 7 Days from Prior Week
North Dakota	1,003	10	31,825	-4.3%	66.7%	-25.2%
Ohio	12,877	116	709,433	-13.7%	-32.9%	-13.4%
Oklahoma	1,675	54	169,022	-29.7%	116.0%	-12.3%
Oregon	4,759	14	265,193	27.2%	-26.3%	-9.2%
Pennsylvania	31,806	295	934,371	-1.9%	25.5%	-16.4%
Rhode Island	2,020	8	74,501	-37.4%	0.0%	-11.6%
South Carolina	6,435	27	249,660	3.8%	12.5%	-29.2%
South Dakota	1,206	6	39,814	-18.2%	-33.3%	-25.6%
Tennessee	10,192	74	323,572	21.9%	34.5%	-2.5%
Texas	19,118	404	1,455,550	-15.2%	14.8%	-29.9%
Utah	2,625	13	181,529	-7.3%	-84.7%	-14.4%
Vermont	777	9	55,328	-23.4%	125.0%	-9.5%
Virginia	9,397	130	604,849	-15.0%	36.8%	0.5%
Washington	9,635	67	508,484	14.3%	63.4%	-6.7%
West Virginia	2,672	42	61,345	-3.9%	5.0%	-21.1%
Wisconsin	5,788	35	419,757	-9.4%	-22.2%	-9.7%
Wyoming	386	2	15,818	-14.4%	0.0%	-44.5%
<b>U.S. Total</b>	<b>441,609</b>	<b>4,778</b>	<b>20,826,337</b>	<b>-8.5%</b>	<b>-3.9%</b>	<b>-9.5%</b>

Green shaded cells represent the top five ranked states in each column based on performance, and red shaded cells represent the worst five ranked states.



Data Source: Centers for Disease Control and Prevention

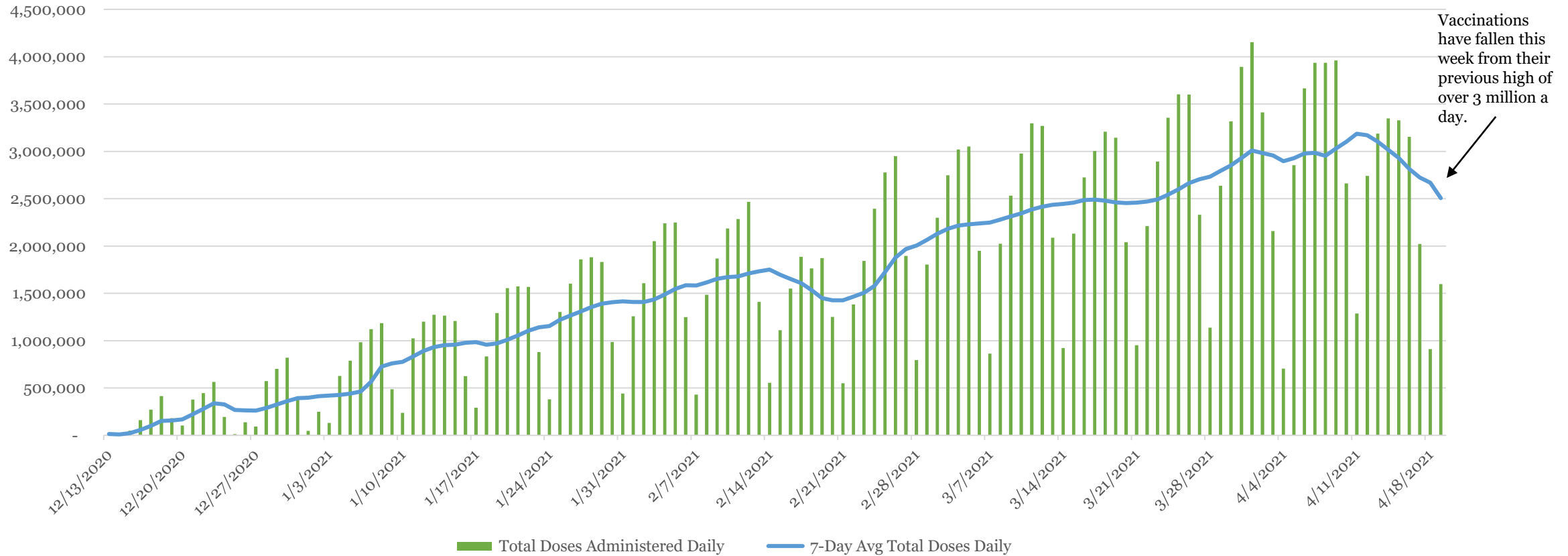
# Vaccinations Summary

- The U.S. has administered 215.6 million vaccine doses as of April 20.
- It took 86 days to administer the first 100 million doses, but only 36 days to administer the next 100 million.
- 40.4% of the population is now vaccinated with at least one dose, and 23.9% is fully vaccinated.

Month	People with at Least One Dose	People Fully Vaccinated	Total Doses Administered	Average Doses Administered per Day	Month as Percent of Total Doses Given
December	5,372,925	23,045	5,525,908	290,837	2.6%
January	23,382,031	6,909,100	30,726,330	991,172	14.2%
February	25,599,954	21,191,780	47,346,387	1,690,942	22.0%
March	50,615,338	27,888,070	79,011,788	2,548,767	36.6%
April (to 4/20)	29,327,736	23,471,946	53,014,212	2,790,222	24.6%

- This includes one or more doses for half of adults and 80% of those ages 65 and up, and full vaccinations for one-third of adults and nearly two-thirds of seniors.
- New Hampshire (58%), Maine (50%), and Connecticut (49%) lead the way for percent of their population given one or more doses. Mississippi (29%), Alabama (30%), and Louisiana (31%) trail all other states in this category.

# Daily Rate of Vaccinations Over Time

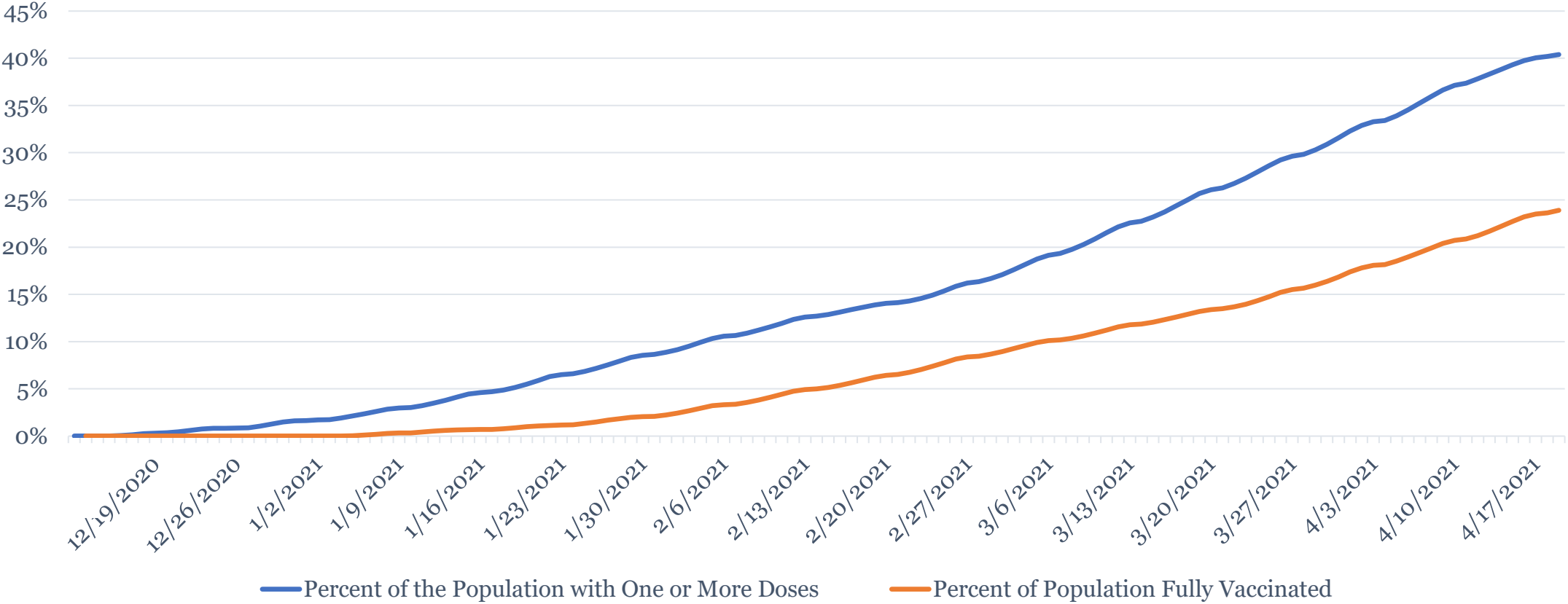


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Data Source: Centers for Disease Control and Prevention



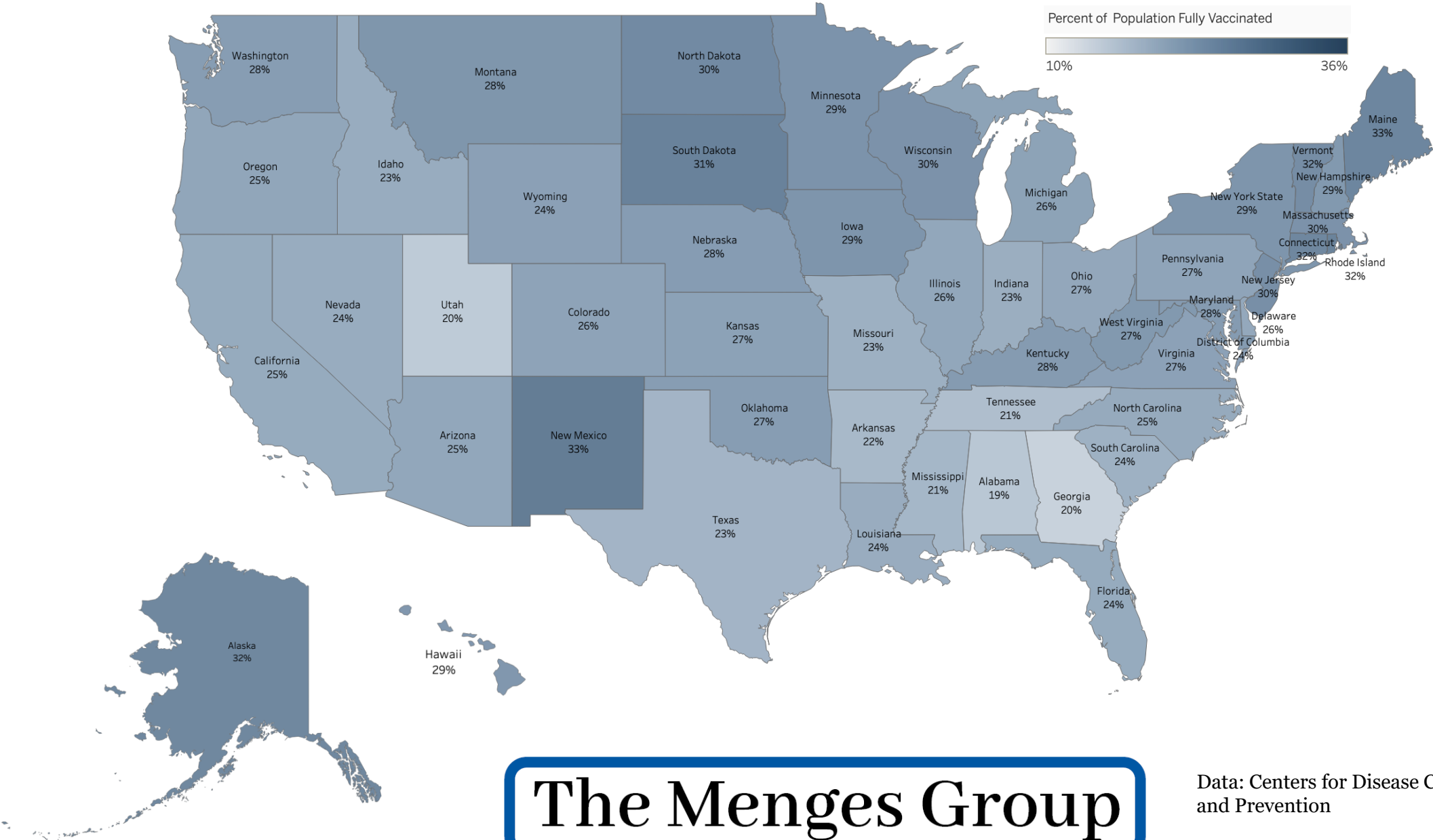
# Percent of U.S. Population Vaccinated Over Time



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Data: Centers for Disease Control and Prevention

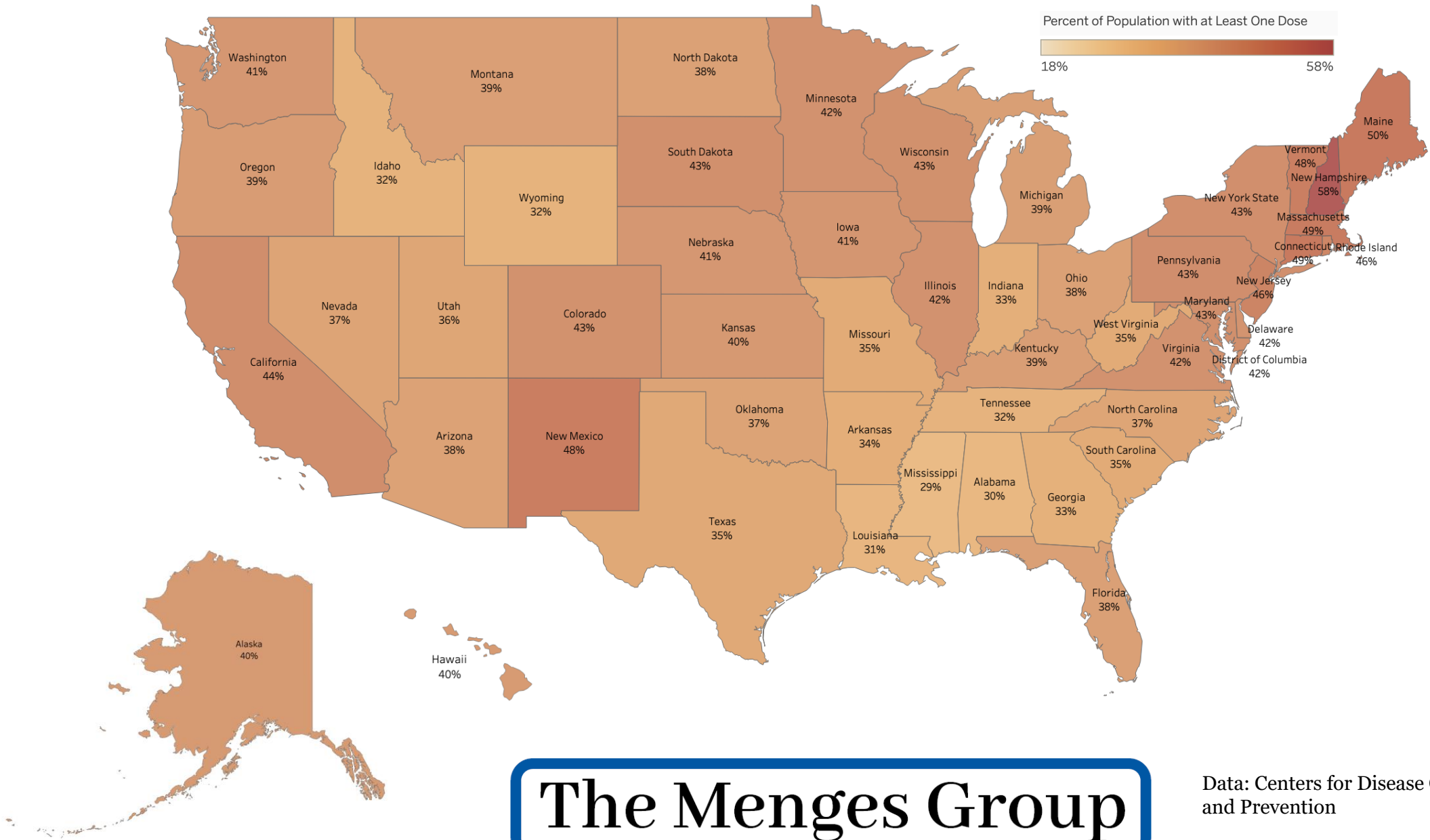
# Percent of State Population Fully Vaccinated



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Data: Centers for Disease Control and Prevention

# Percent of State Population with at Least One Dose of the Vaccine



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Data: Centers for Disease Control and Prevention

# 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](mailto:pcall@themengesgroup.com). If you have questions about the content or data sources we have available, please email us at [jmenges@themengesgroup.com](mailto:jmenges@themengesgroup.com) or call 571-312-2360.

Address: 4001 9th Street N., Suite 227, Arlington, VA 22203

Website: [www.themengesgroup.com](http://www.themengesgroup.com)

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