

Vaccinations by Race, Age, and Sex; COVID Cases, Hospitalizations, Deaths, and Vaccinations– Summary Statistics

5 Slide Series, Volume 94-d

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The Menges Group

Strategic Health Policy & Care Coordination Consulting

Vaccinations Overview

- For our **50th COVID edition of the 5 Slide Series**, we focus on vaccinations. As of March 24, the U.S. has administered over 130 million vaccines. This includes 85 million people with at least one dose administered; 46 million of these persons are now fully vaccinated.
- About one in four (25.7%) of the U.S. population has received at least one dose of the COVID vaccine, and about one in seven (14%) is now fully vaccinated. This includes at least one dose for one-third of those 18 years of age and older and over two-thirds of those 75 years of age and older.
- The share of vaccinations received by White populations is higher than their share of the population *in almost every state*. Conversely Asian, Black, and Hispanic/Latino populations have been under-vaccinated relative to their population share. **The widest disparities regarding under-vaccination have occurred with Black and Hispanic/Latino subgroups, with these demographic groups being vaccinated less than proportional to their population share in every state where data are currently available by race.**
- Asian, Black, and Hispanic/Latino subgroups represent 4.8%, 8.0%, and 9.0% of those persons who are at least partially vaccinated, respectively, despite representing 5.6%, 12.2%, and 18.5% of the overall population. White populations represent 66.0% of all persons who have received one or more vaccinations and 68.9% of completely vaccinated individuals. The White subgroup comprises 60.1% of the overall population.

National Vaccinations by Race, Age, and Sex

COVID Vaccinations by Population Category								
		Number of People with at Least One Dose Administered	Number of People Fully Vaccinated	% of Population with at Least One Dose Administered	% of Population Fully Vaccinated	Category % Share of People with at Least One Dose Administered	Category % Share of Full Vaccinations	Category % Share of US Population
Race	American Indian/Alaska Native	638,054	402,937	27.8%	17.5%	1.4%	1.6%	0.7%
	Asian	2,160,622	994,238	11.8%	5.4%	4.8%	4.0%	5.6%
	Black	3,605,375	1,756,970	9.0%	4.4%	8.0%	7.1%	12.2%
	Hispanic/Latino	4,041,565	1,832,404	6.7%	3.0%	9.0%	7.4%	18.5%
	White, Non-Hispanic	29,719,272	17,077,924	15.1%	8.7%	66.0%	68.9%	60.1%
	Multiple/Other, Non-Hispanic	4,846,591	2,709,077	49.2%	27.5%	10.8%	10.9%	3.0%
Age	<18	193,449	50,033	0.3%	0.1%	0.2%	0.1%	22.3%
	18-29	6,347,978	3,163,573	11.9%	5.9%	8.0%	7.3%	16.2%
	30-39	8,139,676	4,291,922	18.4%	9.7%	10.3%	10.0%	13.5%
	40-49	8,904,656	4,560,335	22.1%	11.3%	11.3%	10.6%	12.3%
	50-64	19,620,827	8,542,646	31.1%	13.6%	24.8%	19.8%	19.2%
	65-74	20,542,198	11,961,827	65.2%	38.0%	26.0%	27.7%	9.6%
	75+	15,255,280	10,558,334	67.4%	46.6%	19.3%	24.5%	6.9%
Sex	Female	44,004,153	24,695,204	26.4%	14.8%	56.4%	58.0%	50.8%
	Male	33,990,972	17,907,583	21.0%	11.1%	43.6%	42.0%	49.2%

Data from the Centers for Disease Control and Prevention and U.S. Census Bureau



Vaccinations by Race/Ethnicity: Alabama-Kansas

COVID-19 Vaccinations by Race/Ethnicity							
Location	American Indian or Alaska Native % of Vaccinations	Asian % of Vaccinations	Black % of Vaccinations	Hispanic % of Vaccinations	Native Hawaiian or Other Pacific Islander % of Vaccinations	White % of Vaccinations	Other % of Vaccinations
Alabama	<.01%	2%	21%	NR	<.01%	76%	1%
Alaska	25%	4%	1%	4%	<.01%	34%	36%
Arizona	4%	4%	3%	13%	<.01%	76%	NR
Arkansas	NR	NR	NR	NR	NR	NR	NR
California	<.01%	14%	3%	21%	<.01%	35%	27%
Colorado	1%	2%	3%	6%	<.01%	86%	2%
Connecticut	<.01%	3%	5%	6%	NR	75%	10%
Delaware	NR	3%	11%	4%	NR	75%	12%
District of Columbia	NR	NR	31%	8%	NR	37%	32%
Florida	<.01%	NR	7%	19%	NR	80%	12%
Georgia	<.01%	5%	22%	3%	<.01%	66%	7%
Hawaii	NR	NR	NR	NR	NR	NR	NR
Idaho	1%	1%	<.01%	5%	<.01%	82%	16%
Illinois	<.01%	5%	9%	10%	<.01%	74%	2%
Indiana	NR	2%	5%	2%	NR	90%	3%
Iowa	<.01%	1%	1%	2%	<.01%	95%	2%
Kansas	<.01%	1%	3%	7%	<.01%	77%	19%

Data set used to perform our tabulations is published by the Kaiser Family Foundation. States with “NR” have not reported data.

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Vaccinations by Race/Ethnicity: Kentucky-North Carolina

COVID-19 Vaccinations by Race/Ethnicity							
Location	American Indian or Alaska Native % of Vaccinations	Asian % of Vaccinations	Black % of Vaccinations	Hispanic % of Vaccinations	Native Hawaiian or Other Pacific Islander % of Vaccinations	White % of Vaccinations	Other % of Vaccinations
Kentucky	<.01%	1%	5%	NR	<.01%	86%	8%
Louisiana	<.01%	2%	26%	NR	<.01%	64%	8%
Maine	1%	1%	1%	1%	<.01%	97%	NR
Maryland	1%	6%	21%	4%	<.01%	66%	5%
Massachusetts	<.01%	5%	6%	5%	<.01%	82%	2%
Michigan	1%	2%	8%	NR	NR	79%	11%
Minnesota	1%	3%	3%	2%	NR	91%	NR
Mississippi	<.01%	1%	30%	1%	<.01%	62%	6%
Missouri	<.01%	2%	6%	4%	<.01%	84%	8%
Montana	NR	NR	NR	NR	NR	NR	NR
Nebraska	<.01%	2%	3%	4%	<.01%	91%	5%
Nevada	1%	11%	5%	13%	NR	54%	17%
New Hampshire	NR	NR	NR	NR	NR	NR	NR
New Jersey	NR	8%	5%	7%	NR	66%	14%
New Mexico	11%	2%	1%	37%	NR	46%	2%
New York	NR	11%	10%	11%	NR	78%	1%
North Carolina	1%	3%	17%	3%	NR	76%	4%

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Vaccinations by Race/Ethnicity: North Dakota-Wyoming

COVID-19 Vaccinations by Race/Ethnicity							
Location	American Indian or Alaska Native % of Vaccinations	Asian % of Vaccinations	Black % of Vaccinations	Hispanic % of Vaccinations	Native Hawaiian or Other Pacific Islander % of Vaccinations	White % of Vaccinations	Other % of Vaccinations
North Dakota	NR	NR	NR	NR	NR	NR	NR
Ohio	<.01%	2%	7%	2%	<.01%	85%	6%
Oklahoma	6%	3%	4%	5%	NR	84%	3%
Oregon	2%	4%	2%	5%	1%	80%	6%
Pennsylvania	<.01%	<0.1%	3%	2%	<.01%	84%	12%
Rhode Island	<.01%	2%	3%	8%	<.01%	81%	5%
South Carolina	NR	NR	16%	2%	NR	69%	15%
South Dakota	NR	NR	NR	NR	NR	NR	NR
Tennessee	NR	1%	10%	3%	NR	77%	12%
Texas	NR	7%	8%	25%	NR	50%	10%
Utah	1%	2%	1%	6%	<.01%	86%	4%
Vermont	<.01%	1%	1%	NR	<.01%	97%	1%
Virginia	1%	4%	14%	6%	NR	70%	6%
Washington	2%	9%	2%	5%	1%	67%	14%
West Virginia	NR	NR	2%	NR	NR	96%	1%
Wisconsin	1%	2%	3%	3%	NR	94%	NR
Wyoming	NR	NR	NR	NR	NR	NR	NR

Data set used to perform our tabulations is published by the Kaiser Family Foundation. States with "NR" have not reported data.

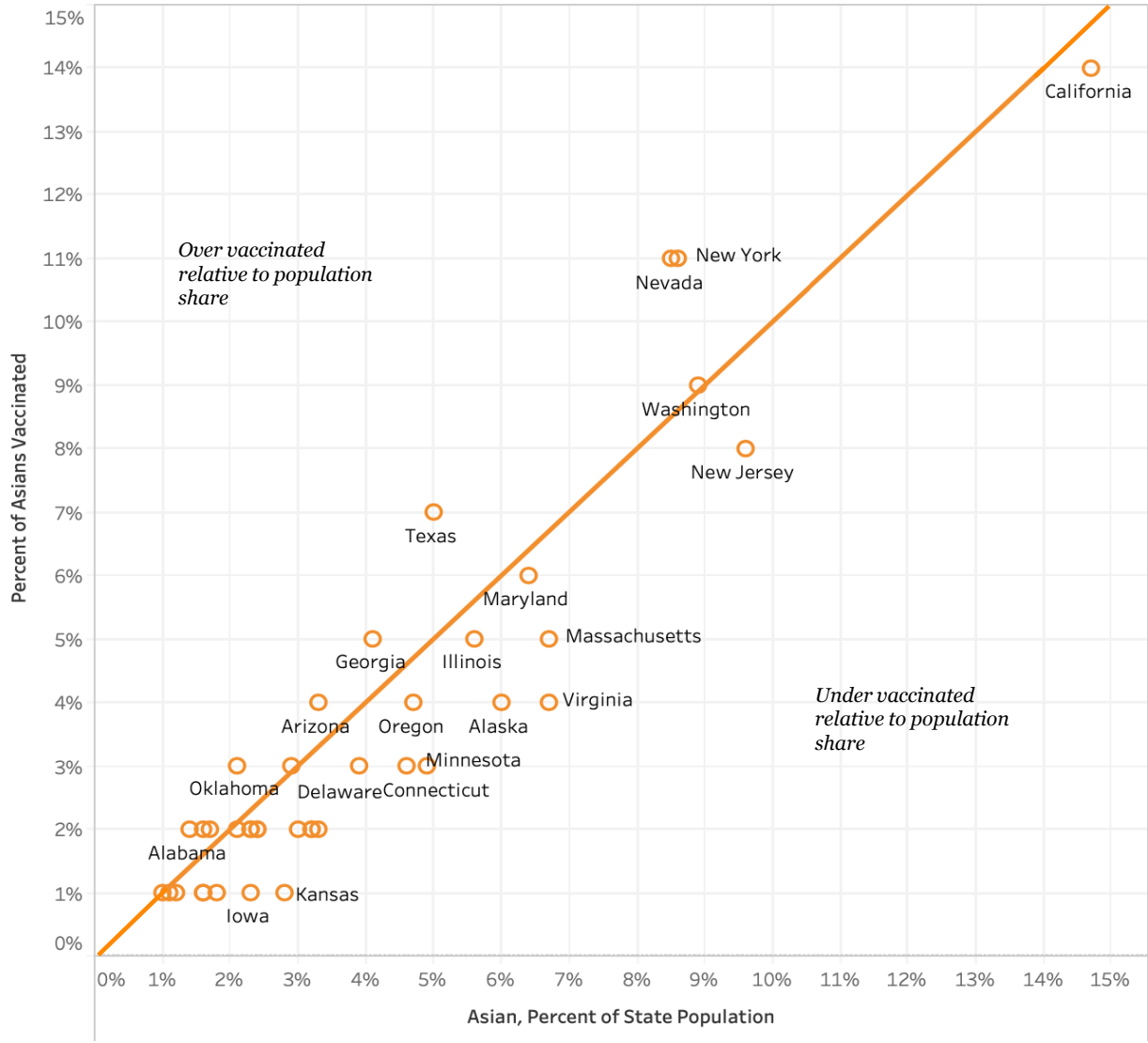
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Racial Group Vaccination Share Relative to Population Share

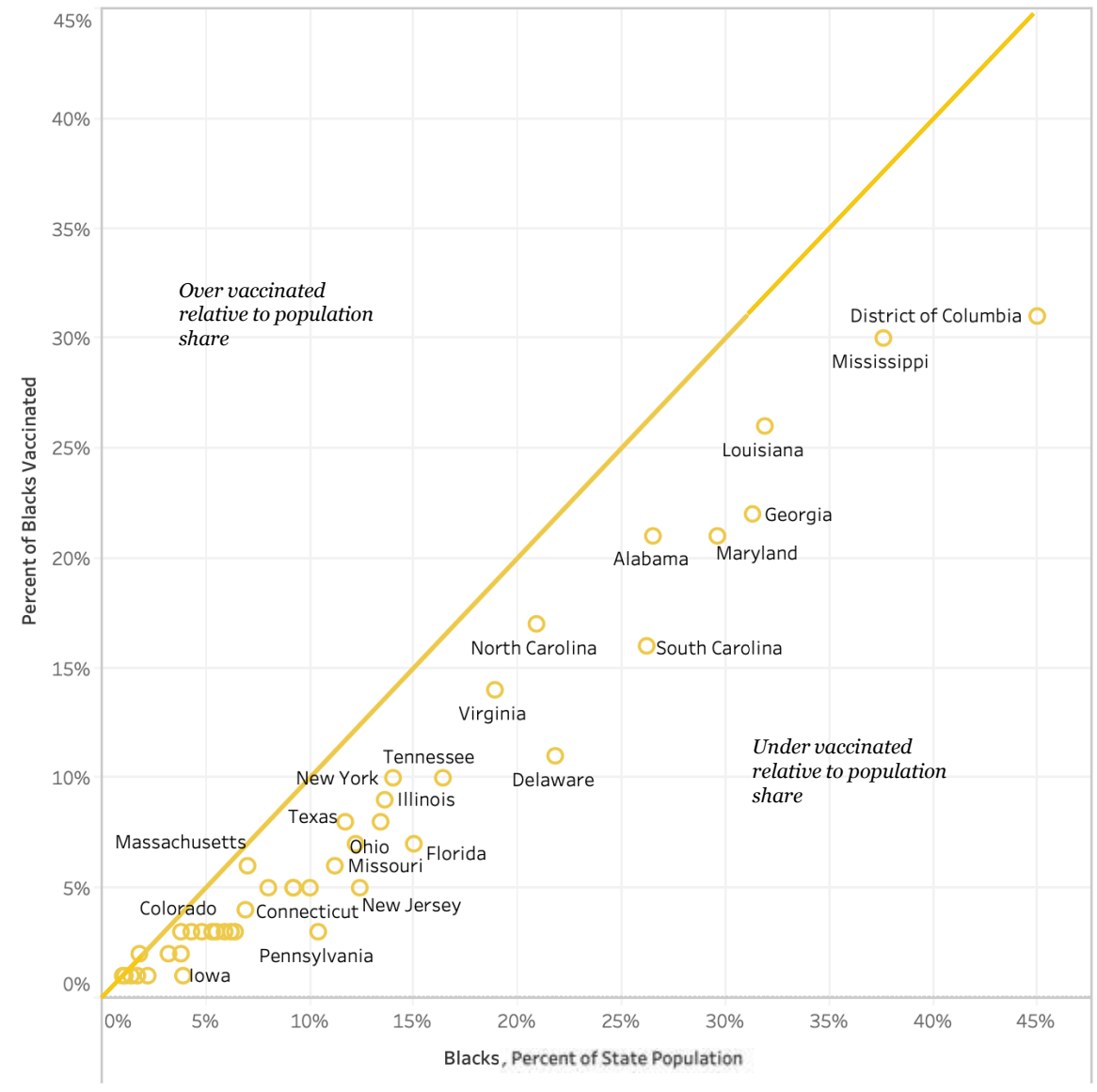
- In the following slides, we introduce state vaccination data by race using a scatter plot that compares each racial group's share of the population on the horizontal x-axis and racial group share of vaccinations on the vertical y-axis.
- A 45-degree line through the plot illustrates what perfect symmetry between population share and vaccination share would look like.
- States that fall below the line are under-vaccinating the population subgroup relative to its population share, and states above the line are vaccinating their racial populations above their population share.
- These plot charts show that almost all reporting states have vaccinated their White population in greater proportion to this subgroup's population share. Conversely, **all reported states have vaccinated Black and Hispanic/Latino subgroups less than their share of the population.** Asian subgroups in most states have also been “under-vaccinated” relative to their share of the total state population.

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Asian Vaccinated Share vs. Population Share



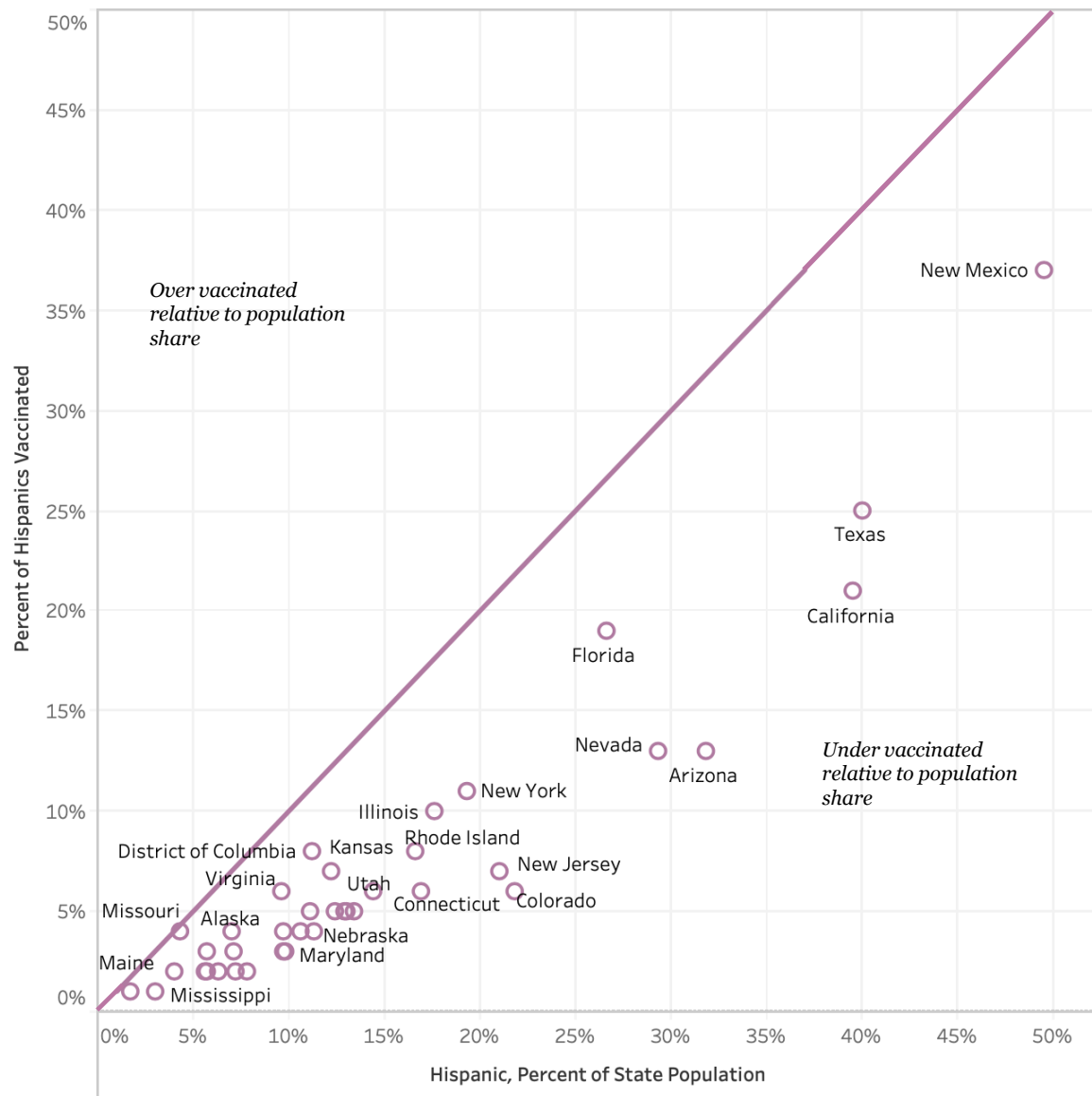
Black Vaccinated Share vs. Population Share



Data: Kaiser Family Foundation, U.S. Census Bureau



Hispanic Vaccinated Share vs. Population Share



White Vaccinated Share vs. Population Share



Data: Kaiser Family Foundation, U.S. Census Bureau



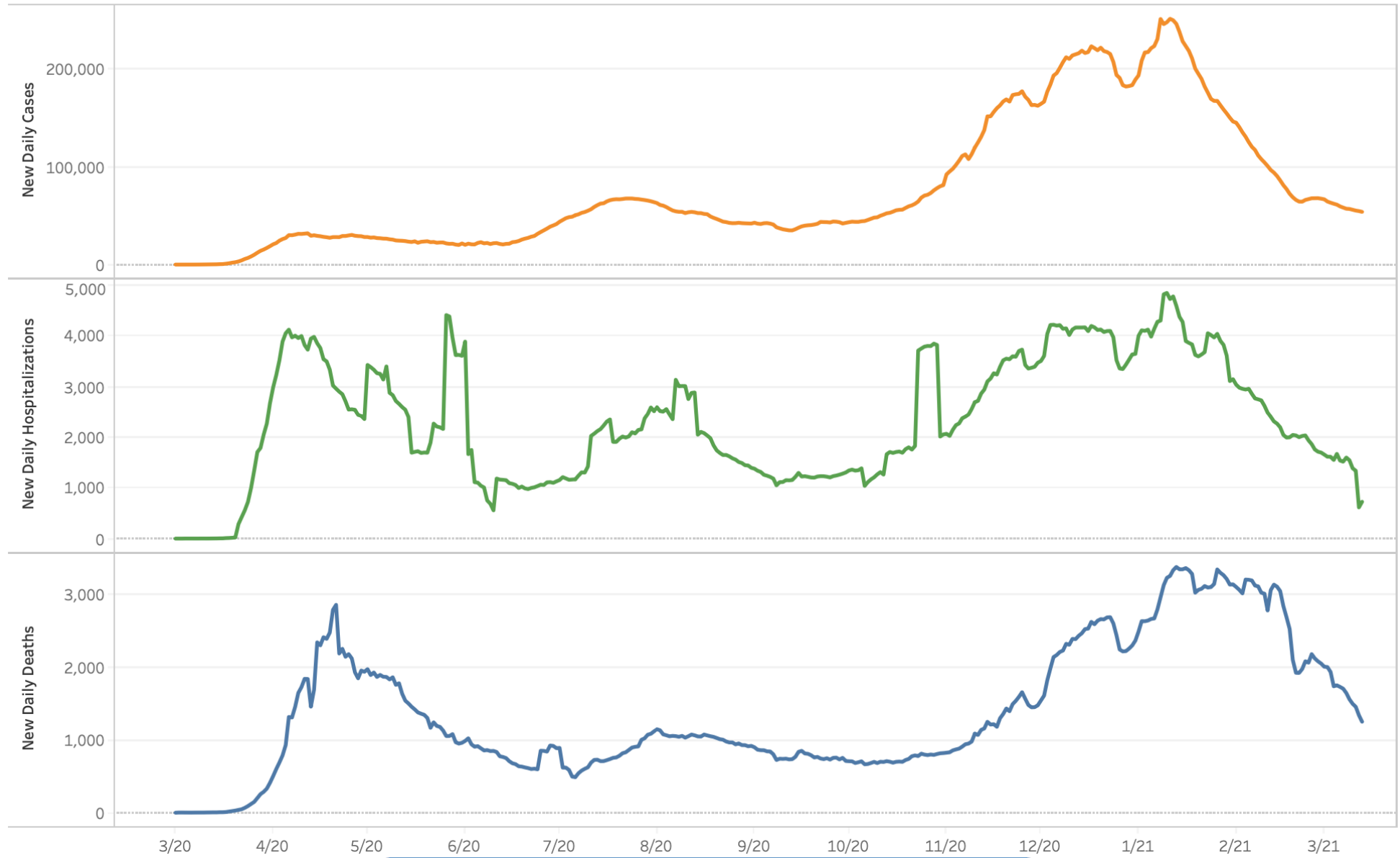
Notes on Vaccination Data Sources

- National vaccine data by race from the CDC by race was available for roughly 53% of vaccinated individuals. Age data was available for 92-93% of individuals and sex data was available for 91-92% of individuals. Data are current to March 24, 2021 at 1:00 pm.
- State race percentage data from the Kaiser Family Foundation are based on total vaccinations for which race/ethnicity is known. Vaccination data may not be directly comparable across states due to differences in data reported, reporting periods, and racial/ethnic classifications. States vary in degree to which they reported persons as partially and/or fully vaccinated. Where possible, data are reported for people who have received at least partial vaccination. States that do not report race/ethnicity breakdown are denoted as “NR.” Race data are reported through March 23.

Review of Total COVID Infections and Deaths

- In the following slide, we provide graphs of new daily cases, hospitalizations, and deaths throughout the pandemic, showing the daily evolution of the seven-day average.
- We also provide an overview of total national COVID and state per 100,000 cases and deaths to date.
 - As of March 23, the US has experienced 29.7 million cases and 540,500 confirmed COVID-attributed deaths. Of the confirmed cases, 1.8% have resulted in death.
 - The 3 states with the highest level of COVID cases per 100,000 population are North Dakota (13,369), South Dakota (13,109), and Rhode Island (12,653). The 3 states with the highest level of COVID deaths per 100,000 population are New Jersey (272), New York (254), and Rhode Island (246).
- Encouragingly, the seven-day average as of March 23rd is 14.6% lower than February 23rd for new cases and 51.1% lower for new deaths.

Daily Positive Cases, Hospitalizations, and Deaths, 7-Day Rolling Averages



Data Source: Centers for Disease Control and Prevention, COVID Tracking Project

Hospital data through the COVID Tracking project is available to March 7, 2021



State-Level COVID Cases and Deaths Per 100,000 Population for Alabama through North Carolina, as of March 23, 2021

State	Cumulative Cases Per 100,000	Rank, Cumulative Cases Per 100,000	Cumulative Deaths Per 100,000	Rank, Cumulative Deaths Per 100,000
Alabama	10,438	13	213	10
Alaska	8,064	38	42	49
Arizona	11,496	6	230	6
Arkansas	10,892	9	184	16
California	8,978	33	143	30
Colorado	7,830	39	105	43
Connecticut	8,405	37	220	7
Delaware	9,492	24	157	25
District of Columbia	6,147	45	149	28
Florida	9,191	30	153	27
Georgia	9,855	18	175	19
Hawaii	1,974	51	32	51
Idaho	9,947	17	109	42
Illinois	9,652	21	184	15
Indiana	10,077	16	192	12
Iowa	10,964	8	180	17
Kansas	10,302	14	166	23

State	Cumulative Cases Per 100,000	Rank, Cumulative Cases Per 100,000	Cumulative Deaths Per 100,000	Rank, Cumulative Deaths Per 100,000
Kentucky	9,426	27	130	34
Louisiana	9,488	25	216	9
Maine	3,628	49	54	48
Maryland	6,640	44	136	32
Massachusetts	8,568	34	243	4
Michigan	6,978	43	169	21
Minnesota	8,979	32	121	37
Mississippi	10,189	15	234	5
Missouri	9,311	28	137	31
Montana	9,646	22	132	33
Nebraska	10,686	11	110	41
Nevada	9,783	20	168	22
New Hampshire	5,939	46	90	44
New Jersey	9,784	19	272	1
New Mexico	9,056	31	186	14
New York	9,273	29	254	2
North Carolina	8,563	36	113	40

Yellow shaded cells represent the top 10 states with the highest number of cumulative COVID cases and deaths per 100,000 population as of March 23, 2021.



Data set used to perform our tabulations is published by the Centers for Disease Control and Prevention.

State-Level COVID Cases and Deaths Per 100,000 Population for North Dakota through Wyoming & National Total, as of March 23, 2021

State	Cumulative Cases Per 100,000	Rank, Cumulative Cases Per 100,000	Cumulative Deaths Per 100,000	Rank, Cumulative Deaths Per 100,000
North Dakota	13,367	1	192	13
Ohio	8,565	35	157	26
Oklahoma	11,005	7	123	36
Oregon	3,834	48	56	47
Pennsylvania	7,721	40	194	11
Rhode Island	12,653	3	246	3
South Carolina	10,509	12	176	18
South Dakota	13,109	2	217	8
Tennessee	11,739	5	172	20
Texas	9,476	26	160	24
Utah	11,909	4	64	46
Vermont	2,859	50	35	50
Virginia	7,114	42	119	39
Washington	4,675	47	68	45
West Virginia	7,706	41	146	29
Wisconsin	10,817	10	124	35
Wyoming	9,629	23	120	38
National	9,016		164	

- As of March 23, there have been **9,016 COVID cases per 100,000 population** since the start of the COVID-19 Pandemic at the national level (i.e., 9% of the population has been a confirmed case).
- The 3 states with the highest level of COVID cases per 100,000 population include North Dakota (13,369), South Dakota (13,109), and Rhode Island (12,653).
- At the national level, there have been **164 COVID-attributable deaths per 100,000 population**, as of March 23. To date, 1.8% of confirmed cases have resulted in death.
- The 3 states with the highest level of COVID deaths per 100,000 population include New Jersey (272), New York (254), and Rhode Island (246).

Yellow shaded cells represent the top 10 states with the highest number of cumulative COVID cases and deaths per 100,000 population as of March 23, 2021.

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Data set used to perform our tabulations is published by the 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. 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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