Children and COVID-19 Vaccinations Trends

AAP Analysis of Data Posted by the Centers for Disease Control and Prevention

as of July 13, 2022

American Academy of Pediatrics

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Updated Version of the Vaccination Report

Please note the following changes to the methods in this weekly report:

A. Child Age Groupings:

12-17 year-olds: We are combining data for 12-15 and 16-17 year-olds. COVID-19 vaccines have been available for all in this group since 5.12.21.

5-11 year-olds: This report tracks COVID-19 vaccination rates beginning the week of 11.3.2021, following CDC recommendation for its use for 5-11 year olds on 11.2.2021.

6 month – 4 year-olds: This report tracks COVID-19 vaccination rates beginning the week of 6.22.2022, following CDC recommendation for its use for under age 5 on 6.18.2022.

B. Data Sources: In reports up through 11.10.21, we used 2 different sources from the CDC to provide breakouts by age and geography: "Demographic Trends of People Receiving COVID-19 Vaccinations in the United States" (URL: https://covid.cdc.gov/covid-data-tracker/#vaccination-demographics-trends) and "COVID-19 Vaccinations in the United States, Jurisdiction" (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). To combine ages 12-17, we are using only the jurisdiction file which may create minor shifts in the cumulative trends.

Interested readers should refer to the CDC and individual states where more information might be available.

COVID-19 Vaccine Eligibility: Timeline for Children

The FDA issued the first Emergency Use Authorization (EUA) for use of the Pfizer-BioNTech COVID-19 Vaccine in **people 16 years and older** on 12.11.2020, followed by ACIP recommendations and CDC approval for its use on 12.12.2020. However, the vaccine was not available for the non-elderly general public in most states until sometime in the Spring of 2021. Persons aged 16+ in Massachusetts, for example, started to receive their first COVID shots on 4.19.2021.

The FDA approved the use of the Pfizer-BioNTech COVID-19 Vaccine in **children ages 12 to 15** on an emergency use basis on 5.10.2021, followed by CDC recommendation the same week.

The FDA issued an EUA for the Pfizer-BioNTech COVID-19 Vaccine for **children ages 5 to 11** on 10.29.2021, followed by CDC recommendation on 11.2.2021.

The FDA authorized the use of Moderna and Pfizer-BioNTech COVID-19 vaccines for **children under age 5** on 6.15.2022, followed by CDC recommendation on 6.18.2022.

Status of COVID-19 Vaccinations for US Children as of 7.13.2022

Ages 6 months - 4 Years

- As of July 13, about 3 weeks after the vaccine was first approved for this age group, **0.6** million (**3%**) have received their initial dose of COVID-19 vaccine.
- This past week about **135,000** received their initial COVID-19 vaccine dose. About **16.9** million have yet to receive their first vaccine.
- The data, from the first several weeks following availability of the vaccine in this age group, indicate high variability across states.

Ages 5-11 Years

- **10.3** million (**36%**) have received their initial dose of COVID-19 vaccine.
- **8.4** million (**30%**) completed the 2-dose vaccination series.
- At this time about **18.1** million have yet to receive their initial COVID-19 vaccine dose. This past week about **50,000** received their first vaccine.
- Vaccination rates vary highly across states: In **19** states, over 40% have received their initial dose; in **12** states, under a quarter have received their first vaccine.

Ages 12-17 Years

- **17.4** million (**69%**) have received their initial dose of COVID-19 vaccine.
- **14.9** million (**59%**) completed the 2-dose vaccination series.
- At this time about **7.8** million have yet to receive their initial COVID-19 vaccine dose. This past week about **26,000** received their first vaccine.
- Vaccination rates vary highly across states: In **14** states, over 3 quarters have received their initial dose; in **7** states, under half have received their first vaccine.

Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

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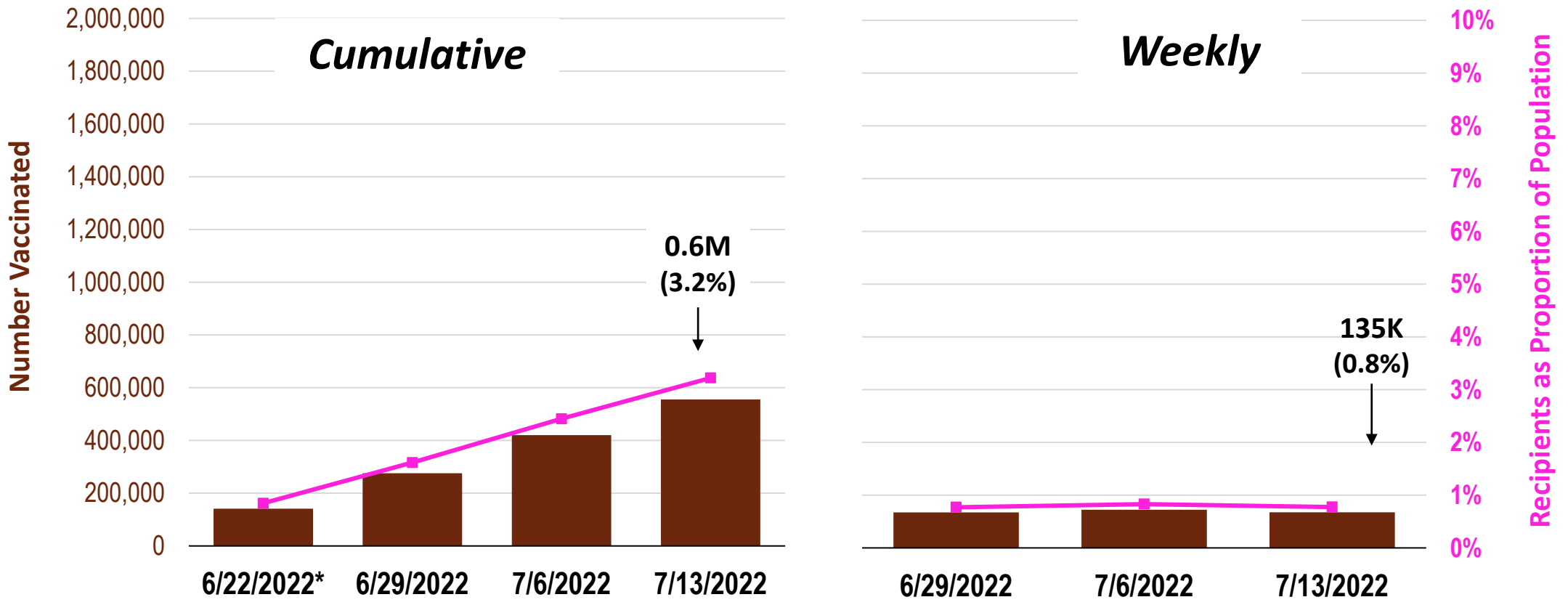
Ages 6 Months - 4 Years

Next 2 Slides

Number and Proportion of US Infants and Children Ages 6 Months - 4 Years Receiving Initial Dose of COVID-19 Vaccine

6.22.22 to 7.13.22



***** Includes clinical trial participants under age 5 through 6.22.2022.

Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc).

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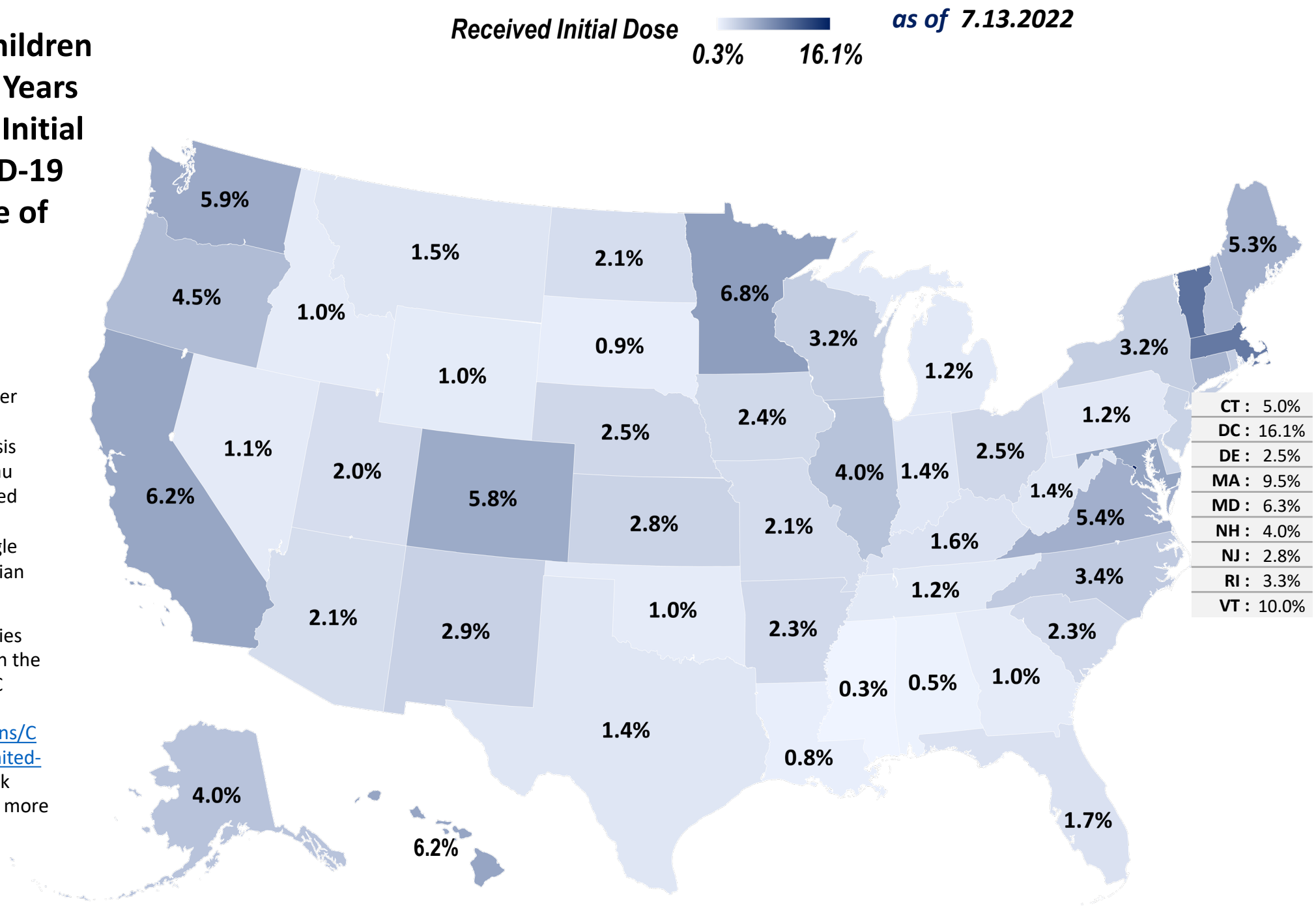
Proportion of US Children Ages 6 Months - 4 Years Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence



Note: Infants 6 months and older are estimated as half of infant population based on AAP analysis of report published by US Bureau of Census on June 17, 2021, titled "State Population by Characteristics: 2010-2020. Single Year of Age and Sex for the Civilian Population."

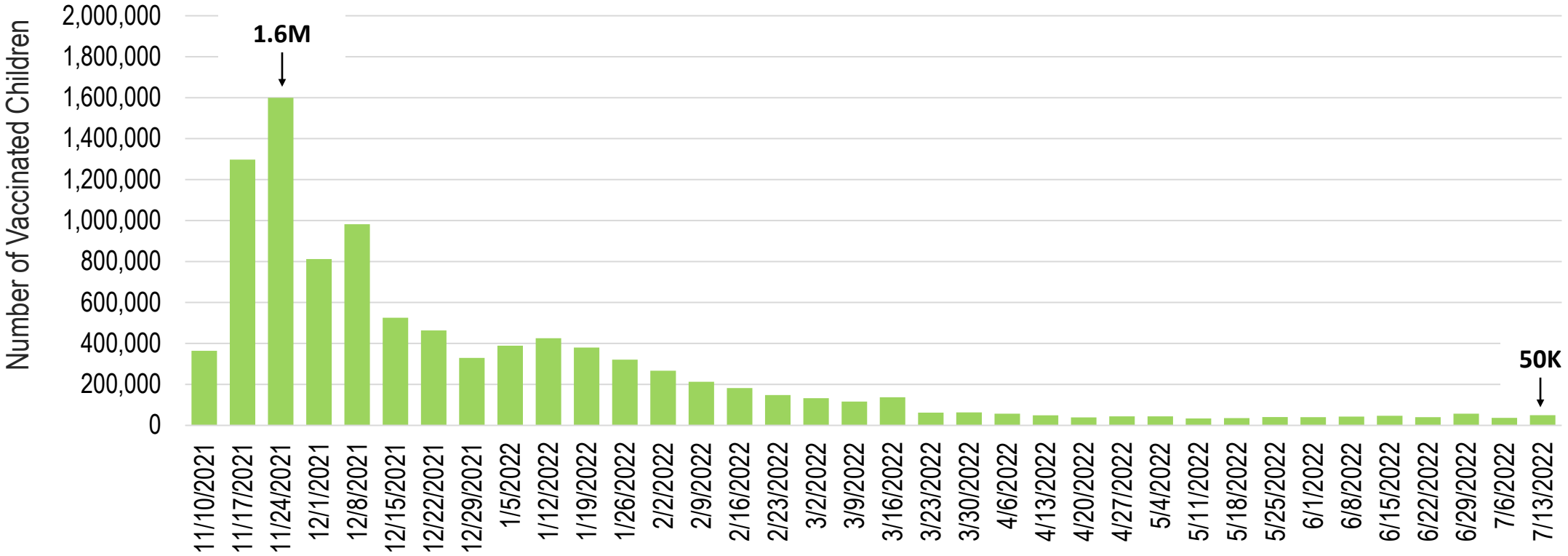
Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

Ages 5-11

Next 6 Slides

Weekly Increase in the Number of US Children Ages 5-11 Receiving Their Initial COVID-19 Vaccination

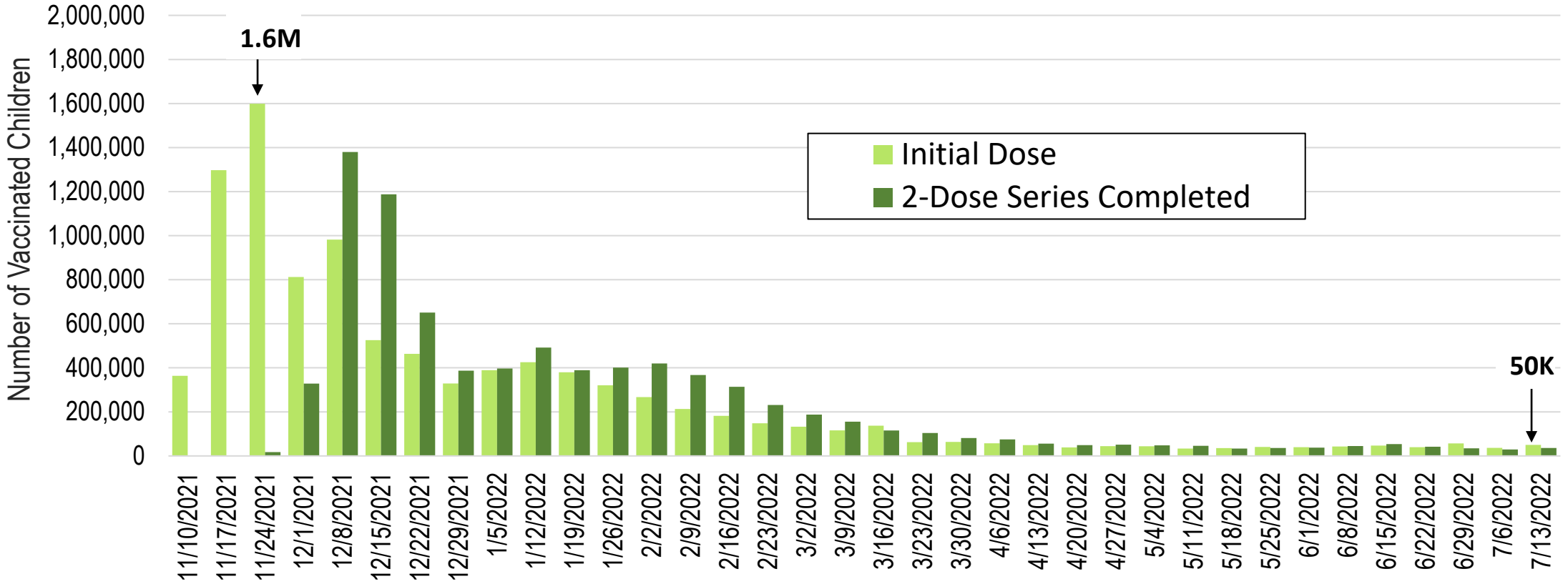
11.10.21 to 7.13.2022



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information. **Note:** Age information was provided with Idaho data since 1.25.2022. Inclusion of this information added 31K initial-dose recipients to the 5-11 age group nationally as of 2.2.2022.

Weekly Increase in Initial and Completed COVID-19 Vaccination for US Children Ages 5-11

11.10.21 to 7.13.2022



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information. **Note:** Age information was provided with Idaho data since 1.25.2022. Inclusion of this information added 31K initial-dose recipients to the 5-11 age group nationally as of 2.2.2022.

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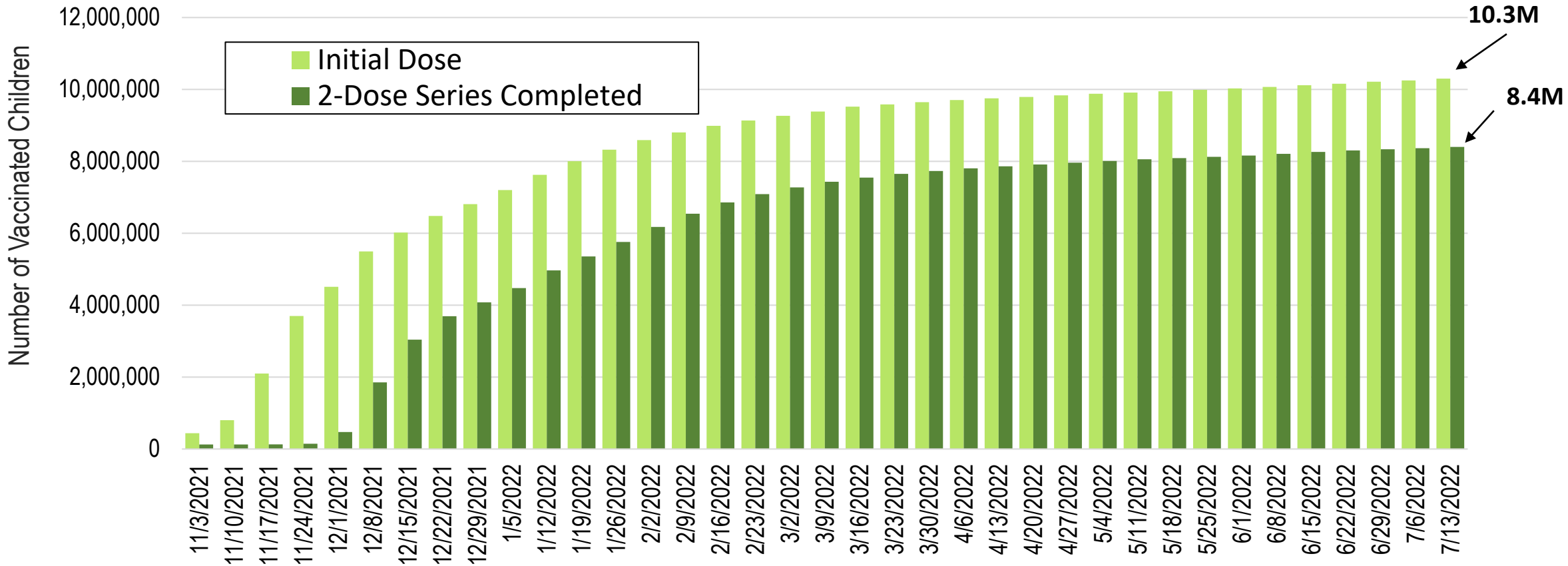
Cumulative Number of US COVID-19 Vaccine Recipients Ages 5-11

11.3.21 to 7.13.2022



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information. Check state web sites for additional or more recent information. **Notes:** Age information was provided with Idaho data since 1.25.2022. Inclusion of this information added 31K initial-dose recipients to the 5-11 age group nationally as of 2.2.2022.

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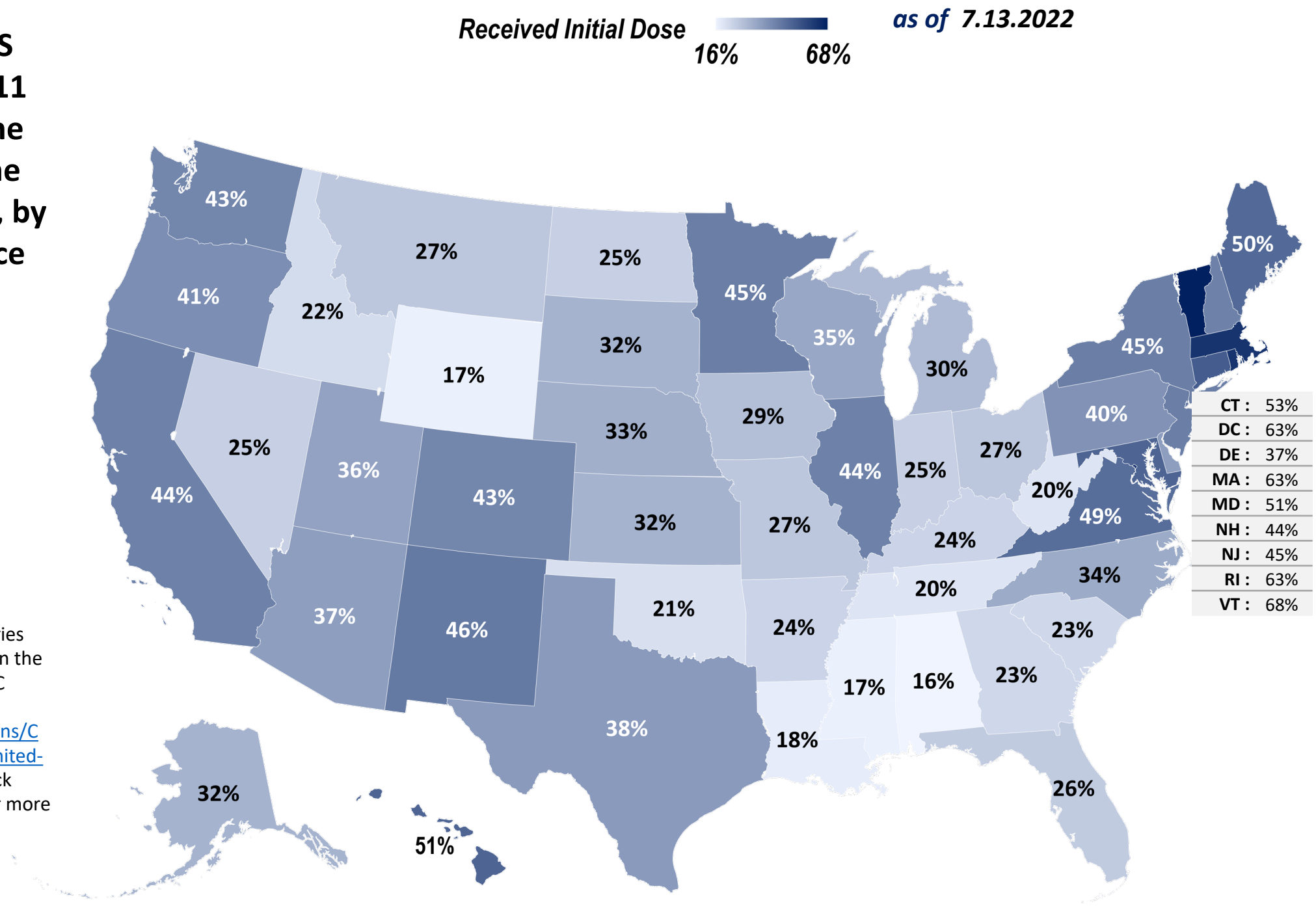
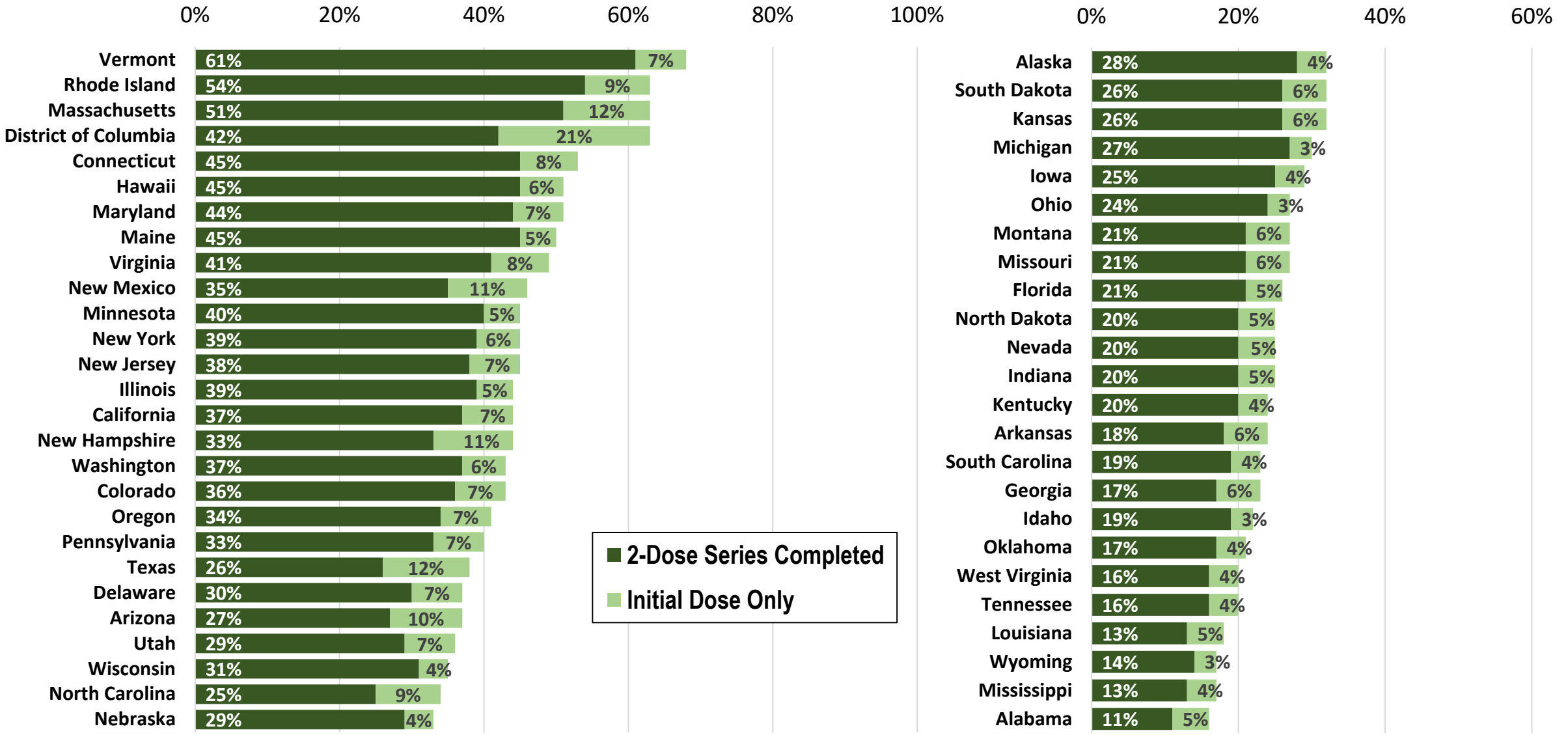
Proportion of US Children Ages 5-11 Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

Proportion of US Children Ages 5-11 Vaccinated Against COVID-19 by State of Residence

as of 7.13.2022



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

Initial Dose Among US Children Ages 5-11 ---3 Week Improvement

State	%Children Having Received At Least One Dose		
	6/22/2022	7/13/2022	*Increase* by Percentage Point
50 States + DC	**35.8%**	**36.3%**	**0.5%**
Alabama	16%	16%	0%
Alaska	32%	32%	0%
Arizona	36%	37%	1%
Arkansas	24%	24%	0%
California	44%	44%	0%
Colorado	42%	43%	1%
Connecticut	53%	53%	0%
Delaware	37%	37%	0%
District of Columbia	60%	63%	3%
Florida	26%	26%	0%
Georgia	23%	23%	0%
Hawaii	49%	51%	2%
Idaho	22%	22%	0%
Illinois	44%	44%	0%
Indiana	25%	25%	0%
Iowa	28%	29%	1%
Kansas	31%	32%	1%
Kentucky	24%	24%	0%
Louisiana	18%	18%	0%
Maine	49%	50%	1%
Maryland	50%	51%	1%
Massachusetts	62%	63%	1%
Michigan	30%	30%	0%
Minnesota	44%	45%	1%
Mississippi	16%	17%	1%

State (continued)	%Children Having Received At Least One Dose		
	6/22/2022	7/13/2022	*Increase* by Percentage Point
Missouri	26%	27%	1%
Montana	26%	27%	1%
Nebraska	33%	33%	0%
Nevada	25%	25%	0%
New Hampshire	43%	44%	1%
New Jersey	45%	45%	0%
New Mexico	45%	46%	1%
New York	45%	45%	0%
North Carolina	33%	34%	1%
North Dakota	25%	25%	0%
Ohio	27%	27%	0%
Oklahoma	21%	21%	0%
Oregon	41%	41%	0%
Pennsylvania	39%	40%	1%
Rhode Island	62%	63%	1%
South Carolina	23%	23%	0%
South Dakota	32%	32%	0%
Tennessee	19%	20%	1%
Texas	37%	38%	1%
Utah	36%	36%	0%
Vermont	67%	68%	1%
Virginia	48%	49%	1%
Washington	42%	43%	1%
West Virginia	20%	20%	0%
Wisconsin	35%	35%	0%
Wyoming	17%	17%	0%

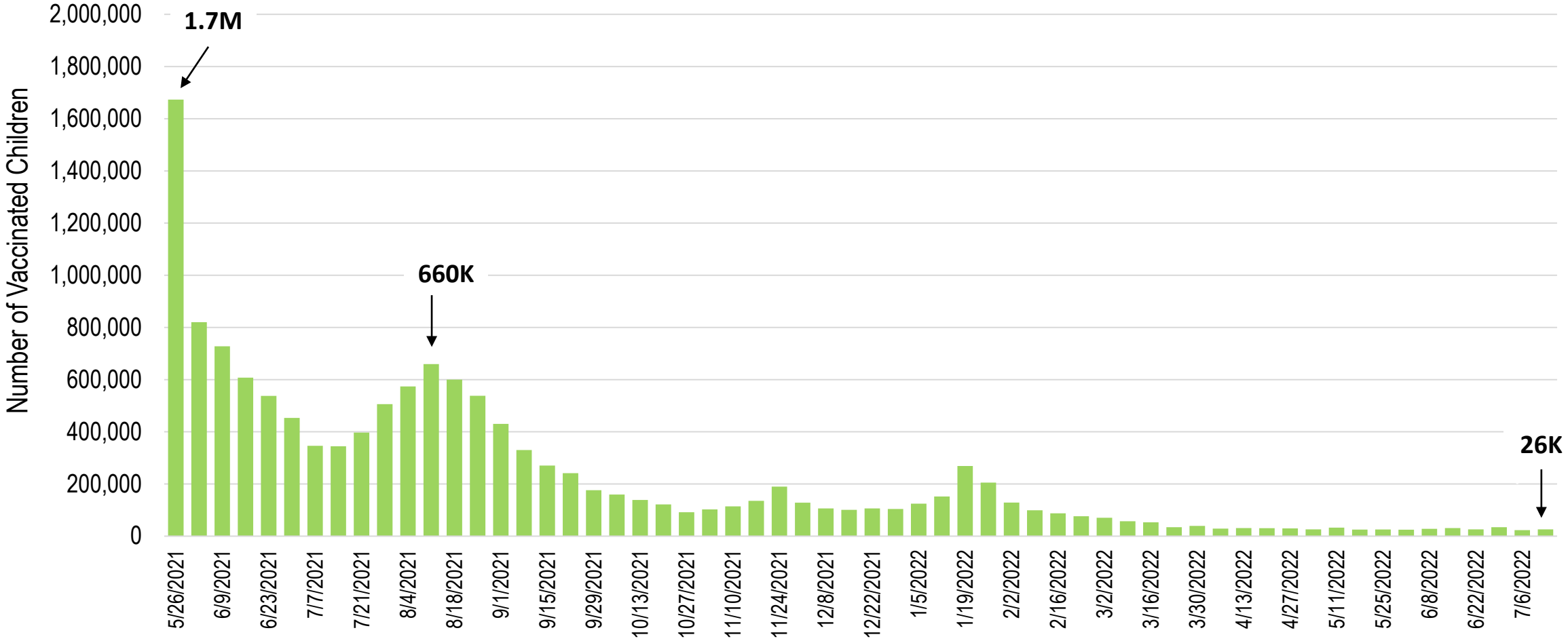
Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

Ages 12-17

Next 6 Slides

Weekly Increase in the Number of US Children Ages 12-17 Receiving Their Initial COVID-19 Vaccination

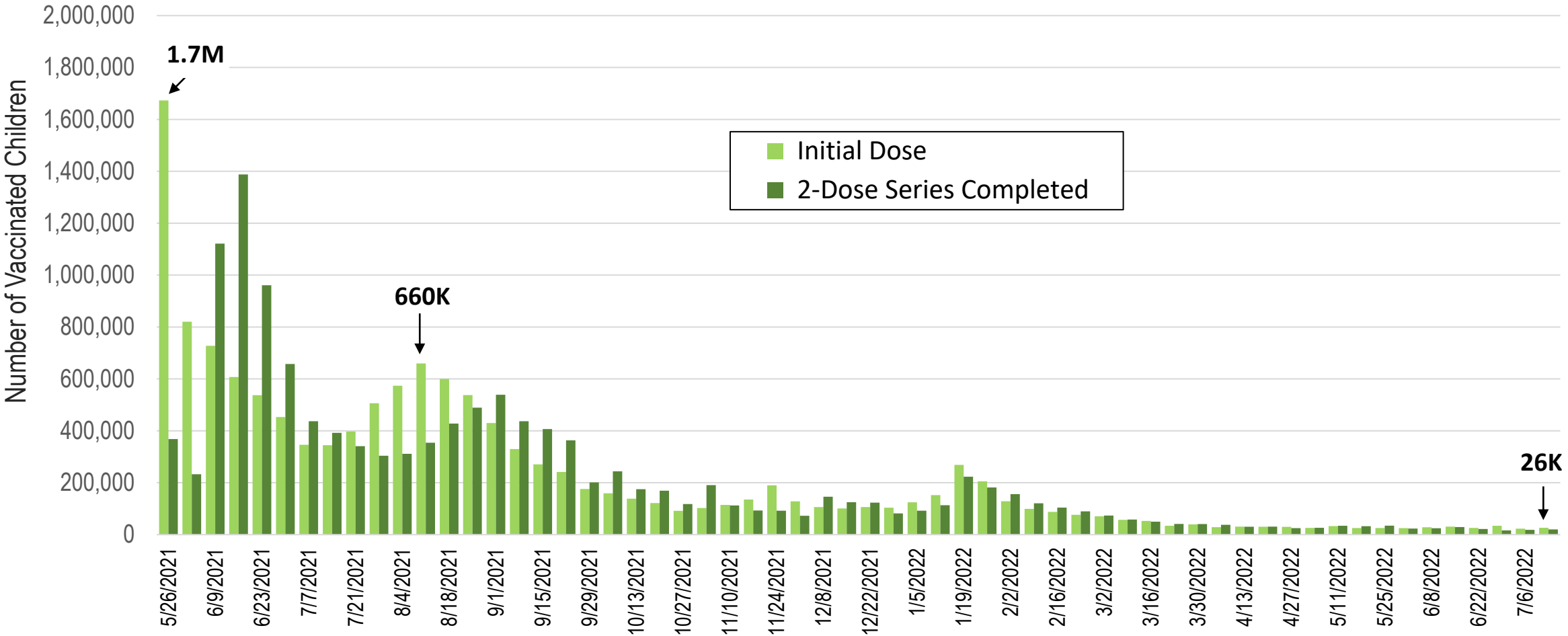
5.26.21 to 7.13.2022



Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information. **Notes:** Age information was provided with Idaho data since 1.25.2022. Inclusion of this information added 67K initial dose recipients to the 12-17 group nationally as of 2.2.2022.

Weekly Increase in Initial and Completed COVID-19 Vaccination for US Children Ages 12-17

5.26.21 to 7.13.2022



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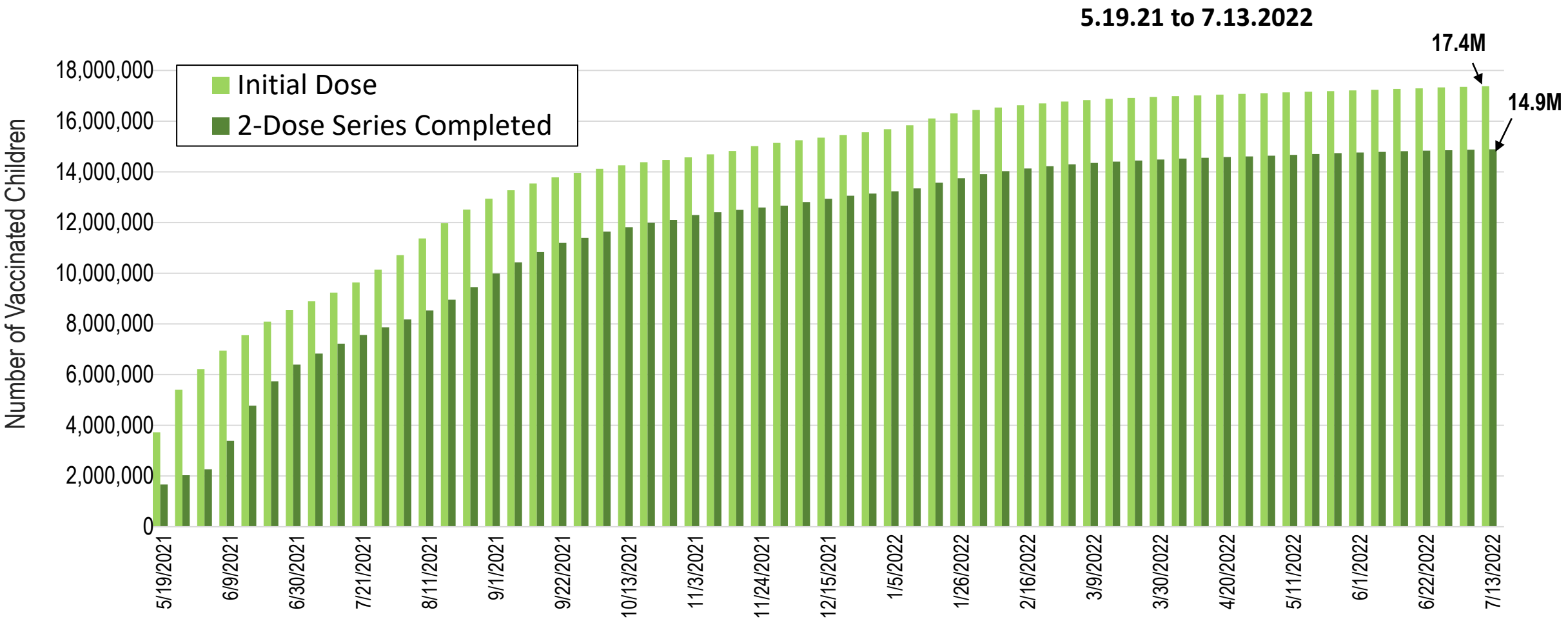
Cumulative Number of US COVID-19 Vaccine Recipients Ages 12-17



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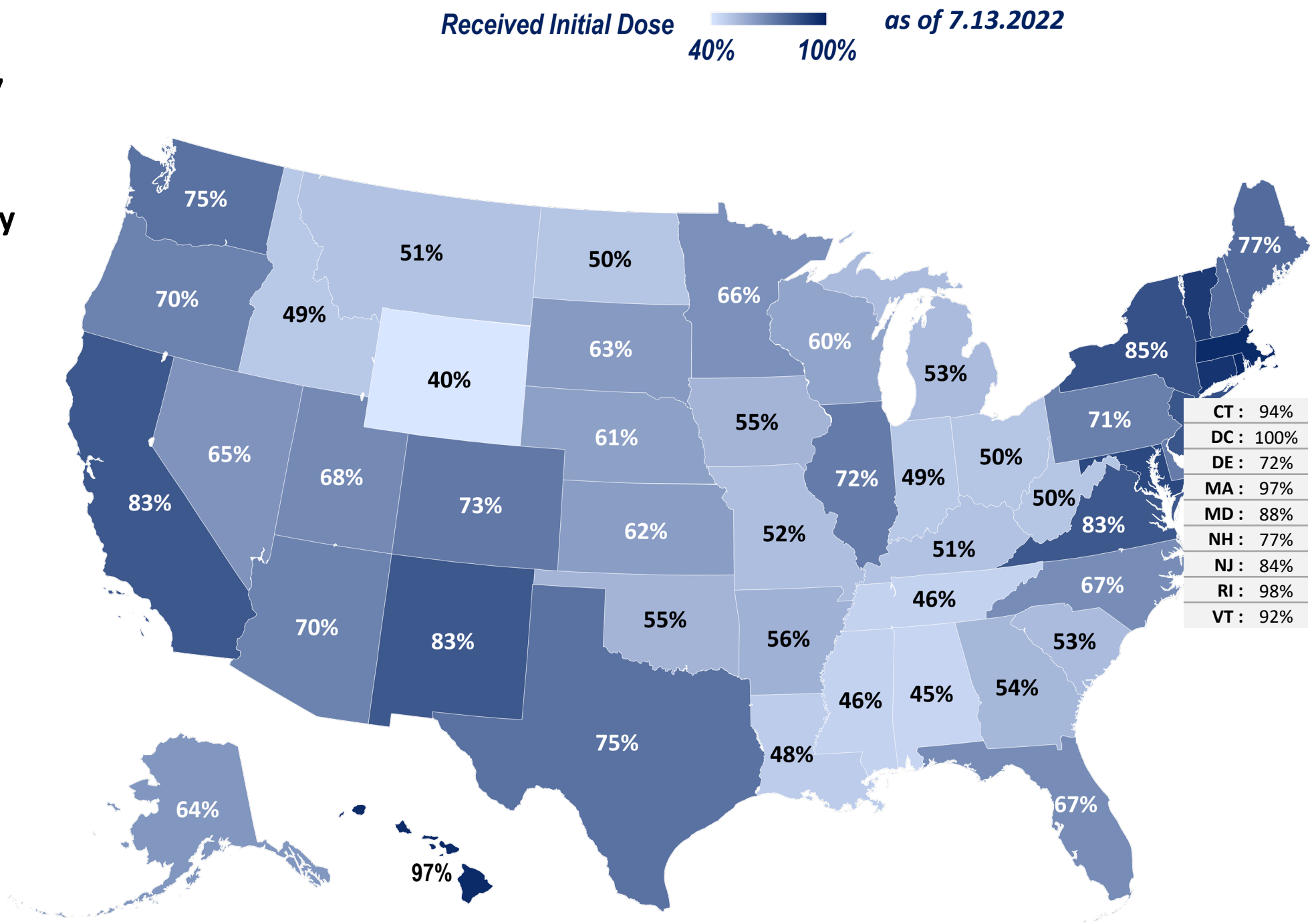
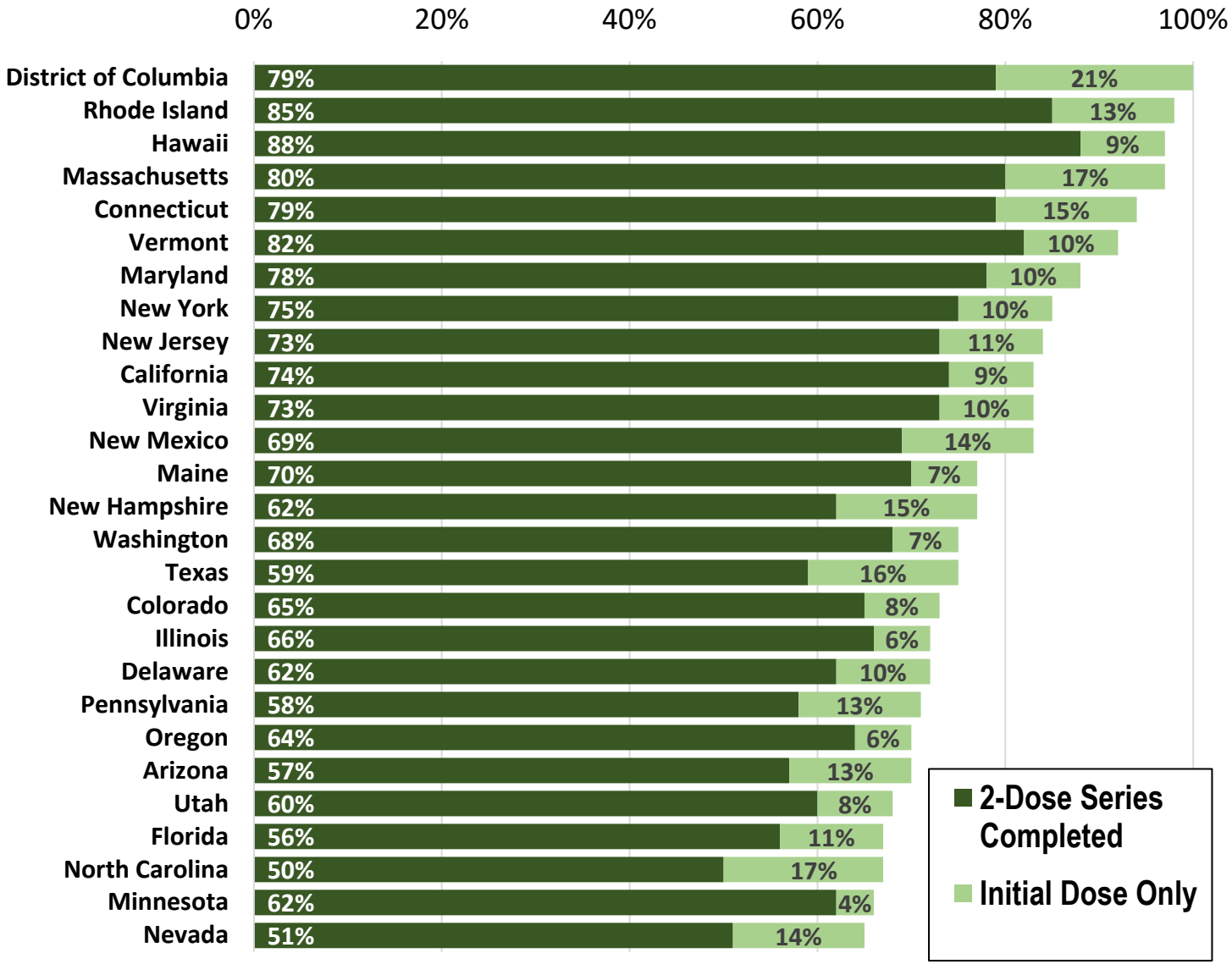
Proportion of US Children Ages 12-17 Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence

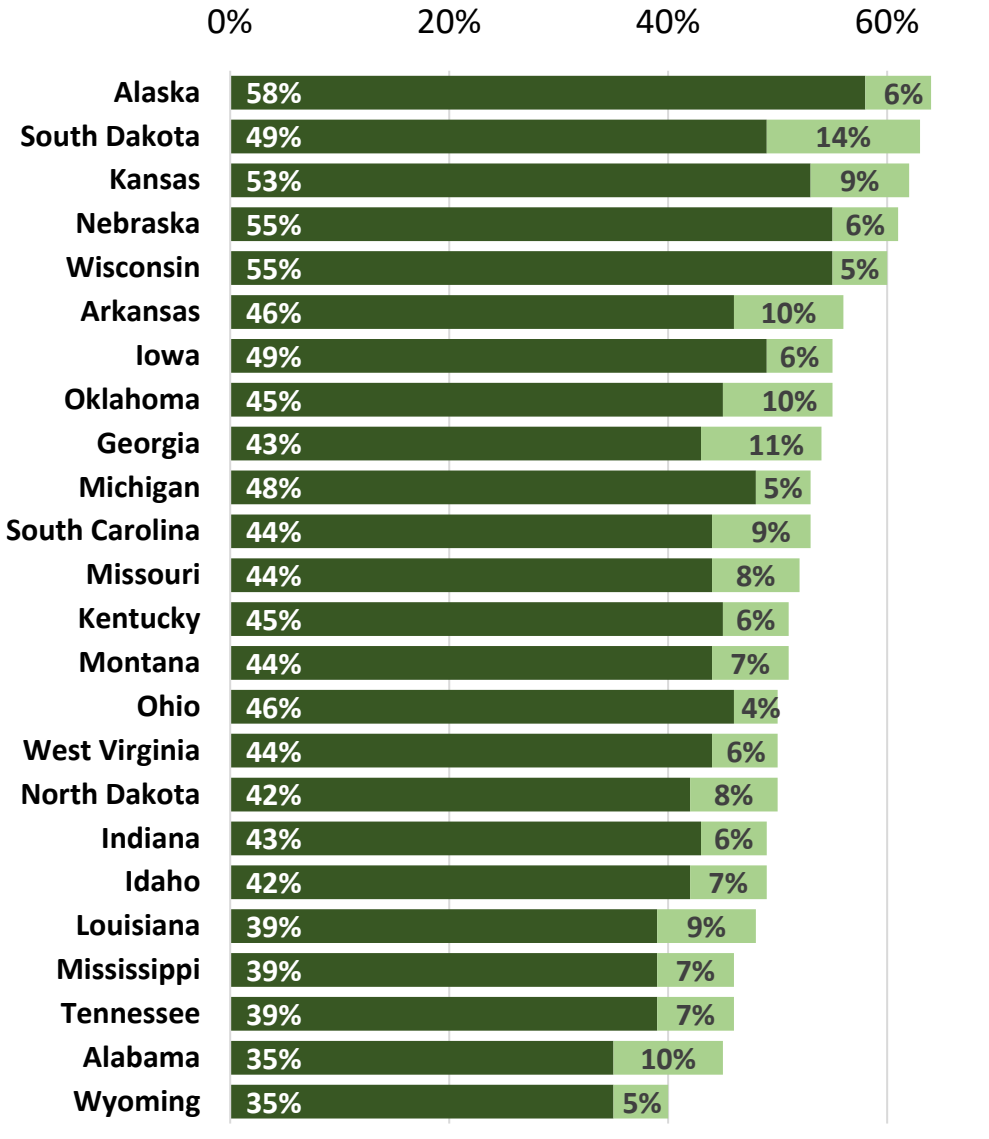


Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

Proportion of US Children Ages 12-17 Vaccinated Against COVID-19 by State of Residence

as of 7.13.2022





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Initial Dose Among US Children Ages 12-17 ---3 Week Improvement

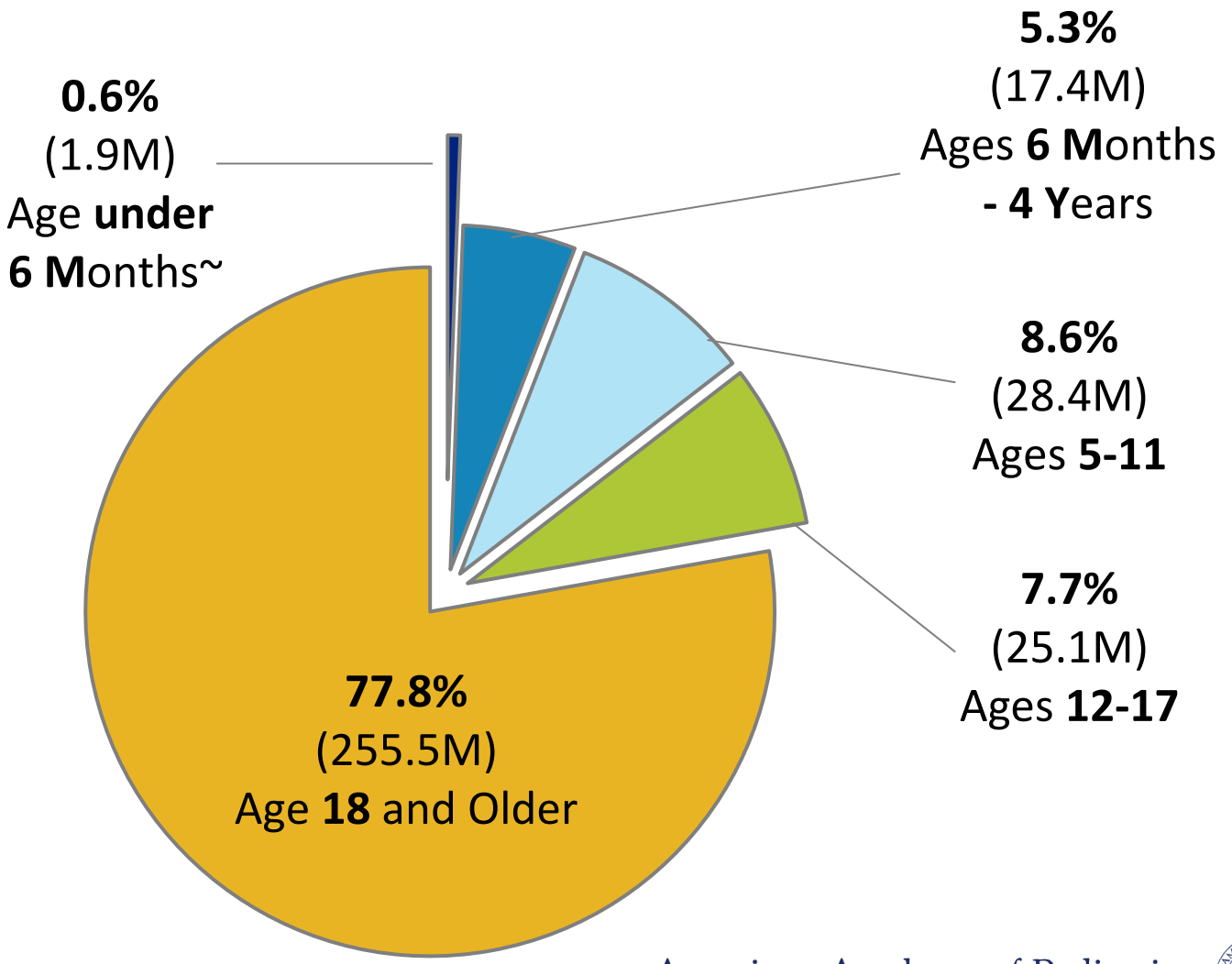
State	%Children Having Received At Least One Dose		
	6/22/2022	7/13/2022	*Increase* by Percentage Point
50 States + DC	**68.8%**	**69.1%**	**0.3%**
Alabama	45%	45%	0%
Alaska	64%	64%	0%
Arizona	70%	70%	0%
Arkansas	56%	56%	0%
California	82%	83%	1%
Colorado	73%	73%	0%
Connecticut	93%	94%	1%
Delaware	72%	72%	0%
District of Columbia	100%	100%	--
Florida	67%	67%	0%
Georgia	53%	54%	1%
Hawaii	96%	97%	1%
Idaho	48%	49%	1%
Illinois	72%	72%	0%
Indiana	49%	49%	0%
Iowa	54%	55%	1%
Kansas	61%	62%	1%
Kentucky	51%	51%	0%
Louisiana	48%	48%	0%
Maine	77%	77%	0%
Maryland	88%	88%	0%
Massachusetts	97%	97%	0%
Michigan	53%	53%	0%
Minnesota	66%	66%	0%
Mississippi	46%	46%	0%

State (continued)	%Children Having Received At Least One Dose		
	6/22/2022	7/13/2022	*Increase* by Percentage Point
Missouri	52%	52%	0%
Montana	51%	51%	0%
Nebraska	61%	61%	0%
Nevada	65%	65%	0%
New Hampshire	77%	77%	0%
New Jersey	84%	84%	0%
New Mexico	83%	83%	0%
New York	85%	85%	0%
North Carolina	66%	67%	1%
North Dakota	49%	50%	1%
Ohio	50%	50%	0%
Oklahoma	55%	55%	0%
Oregon	70%	70%	0%
Pennsylvania	71%	71%	0%
Rhode Island	97%	98%	1%
South Carolina	52%	53%	1%
South Dakota	63%	63%	0%
Tennessee	45%	46%	1%
Texas	74%	75%	1%
Utah	67%	68%	1%
Vermont	91%	92%	1%
Virginia	83%	83%	0%
Washington	75%	75%	0%
West Virginia	50%	50%	0%
Wisconsin	60%	60%	0%
Wyoming	40%	40%	0%

Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc). Check state web sites for additional or more recent information.

US Population by Age Group, 2020

In 2020, children (72.8M under Age 18) made up **22.2%** of the total US population



~ Age under 6 months are estimated as half of infant population. **Source**: AAP analysis of report published by US Bureau of Census on June 17, 2021: State Population by Characteristics: 2010-2020. Single Year of Age and Sex for the Civilian Population. [Link: State Population by Characteristics: 2010-2020 (census.gov)]

Data Sources and Methods

- This report includes US COVID-19 vaccine child recipients in the 50 states and the District of Columbia based on provisional data released by the CDC in a data series titled “COVID-19 Vaccinations in the United States, Jurisdiction.” (URL: https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdi/unsk-b7fc).
- Cumulative trends and weekly changes are updated weekly as the CDC revises and updates its data series. Previously-reported cumulative vaccine recipient counts higher than revised counts are replaced by the latter in this report. Sporadic child vaccinations prior to May are included in the cumulative counts although not shown by week in the charts.
- Individual states may have additional or more recent information on their web sites. State population totals are based on 2020 population projections published by the US Census Bureau (URL: https://www.census.gov/programs-surveys/popest/technical-documentation/research/evaluation-estimates/2020-evaluation-estimates/2010s-state-detail.html).

Contact Information

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