

Children and COVID-19 Vaccinations Trends

**AAP Analysis of Data Posted by the Centers for Disease Control and Prevention
as of January 19, 2022**



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 5.10.21.

5-11 year-olds: COVID-19 vaccines became available for this age group 11.2.21. Vaccination data specific to this group was made available in CDC public-use data 3 weeks later. We will be tracking vaccination for this group separate from 12-17 year-olds.

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 12.13.2020. 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 ACIP recommendation and CDC approval 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 ACIP recommendation and CDC approval on 11.2.2021.

Status of COVID-19 Vaccinations for US Children as of 1.19.2022

Children Ages 5-11 Years

- ❑ **8.0** million (**28%**) US children ages 5-11 have received their **initial dose** of COVID-19 vaccine.
- ❑ **5.3** million (**19%**) of these children completed the vaccination series.
- ❑ Vaccination rates vary highly across states, from **12% to 61%** of children 5-11 receiving their first vaccine.

Children Ages 12-17 Years

- ❑ **16.2** million (**65%**) US children ages 12-17 have received their **initial dose** of COVID-19 vaccine.
- ❑ **13.6** million (**54%**) of these children completed the vaccination series.
- ❑ At this time about **8.9** million children 12-17 have yet to receive their initial COVID-19 vaccine dose. This past week about **331,000** received their first vaccine.
- ❑ Vaccination rates vary highly across states: In **13** states, over 3 quarters of 12-17 year-olds have received their initial dose; in another **13** states, under half have received their first vaccine.

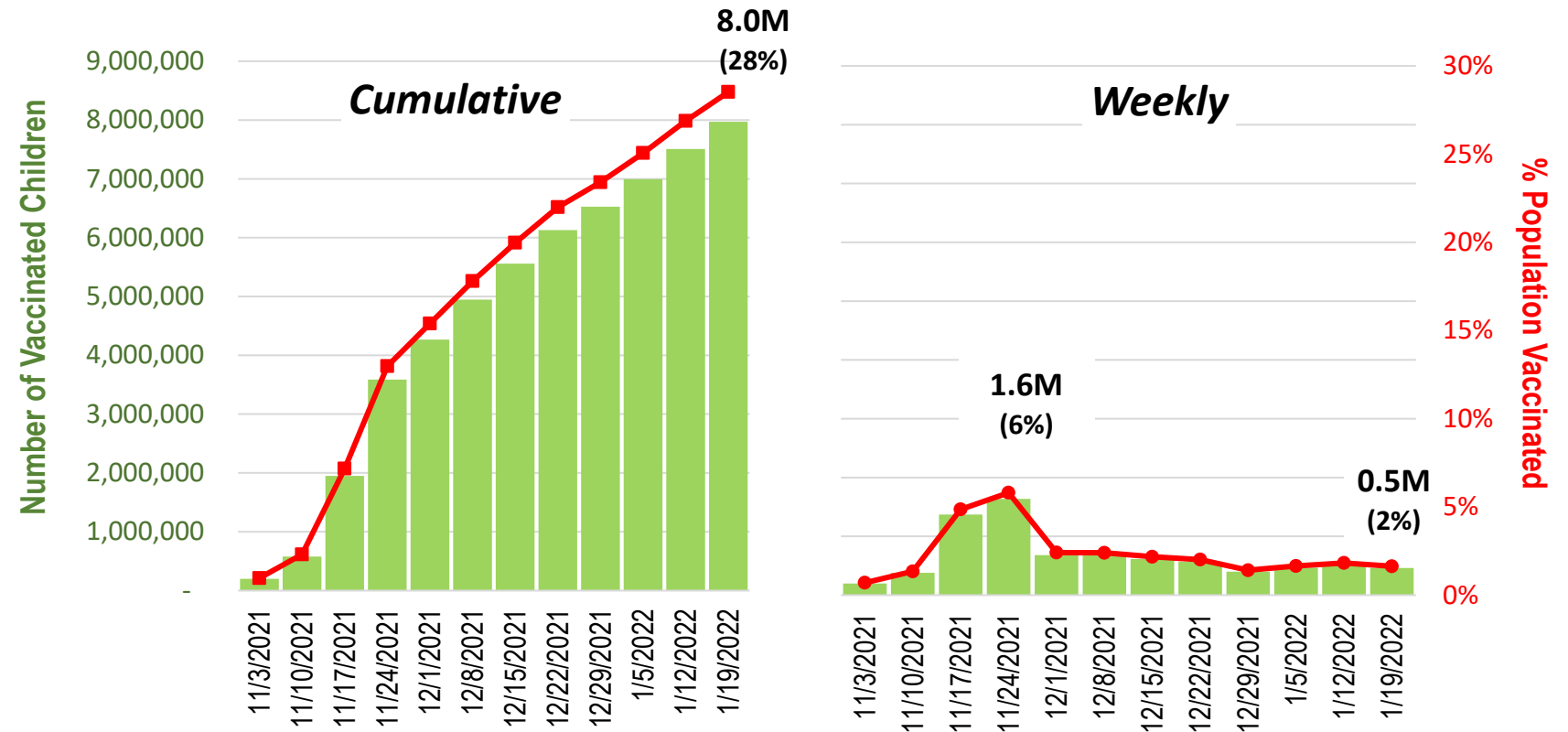
COVID-19 Vaccinations for US Children Ages 5-11

11.3.21 to 1.19.2022

US Children Ages 5-11 Receiving Their Initial COVID-19 Vaccination

As of January 19:
8.0 million (28%)
US children ages
5-11 had received
their **initial dose**
of COVID-19
vaccine

Per public-use data
from the CDC

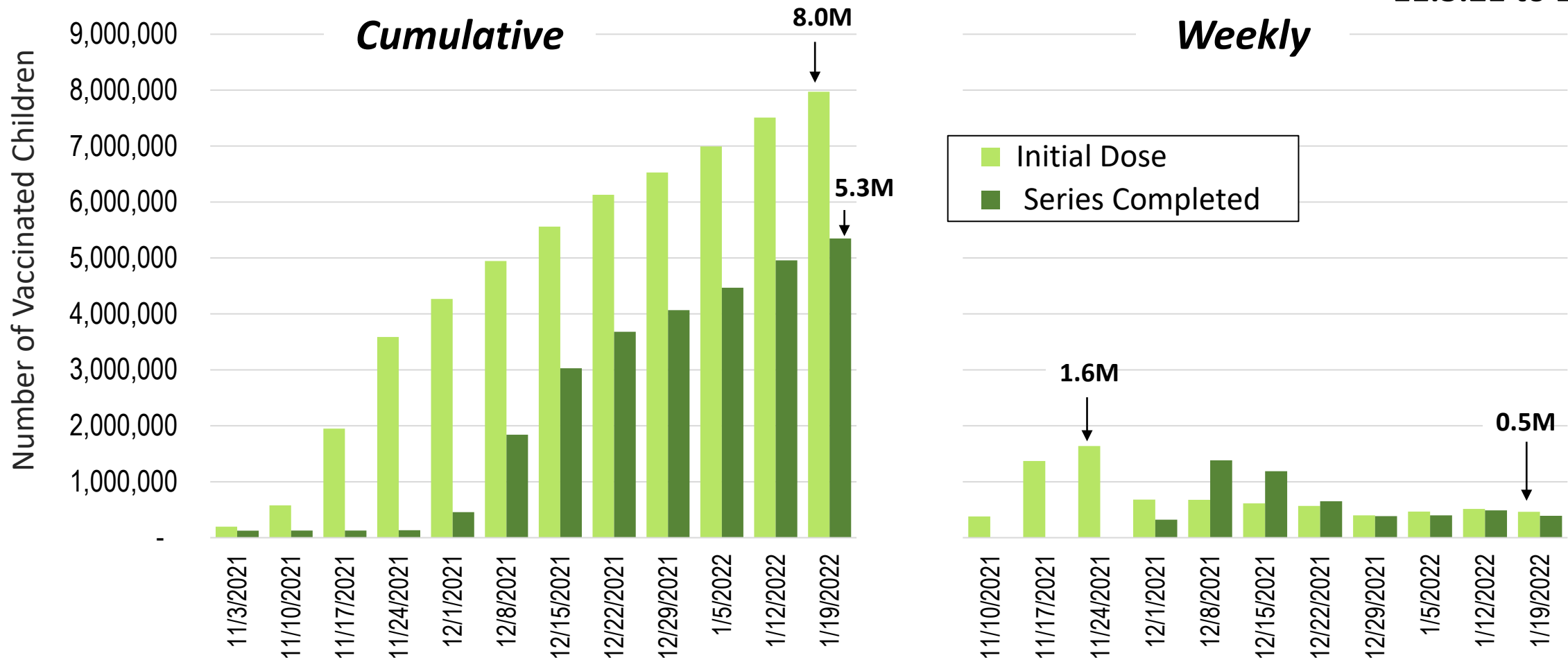


Source: AAP analysis of data series titled “COVID -19 Vaccinations in the United States, Jurisdiction”. CDC COVID -19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdiction/unsk-b7fc>). Idaho information not available. Check state’s web sites for additional or more recent information.



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

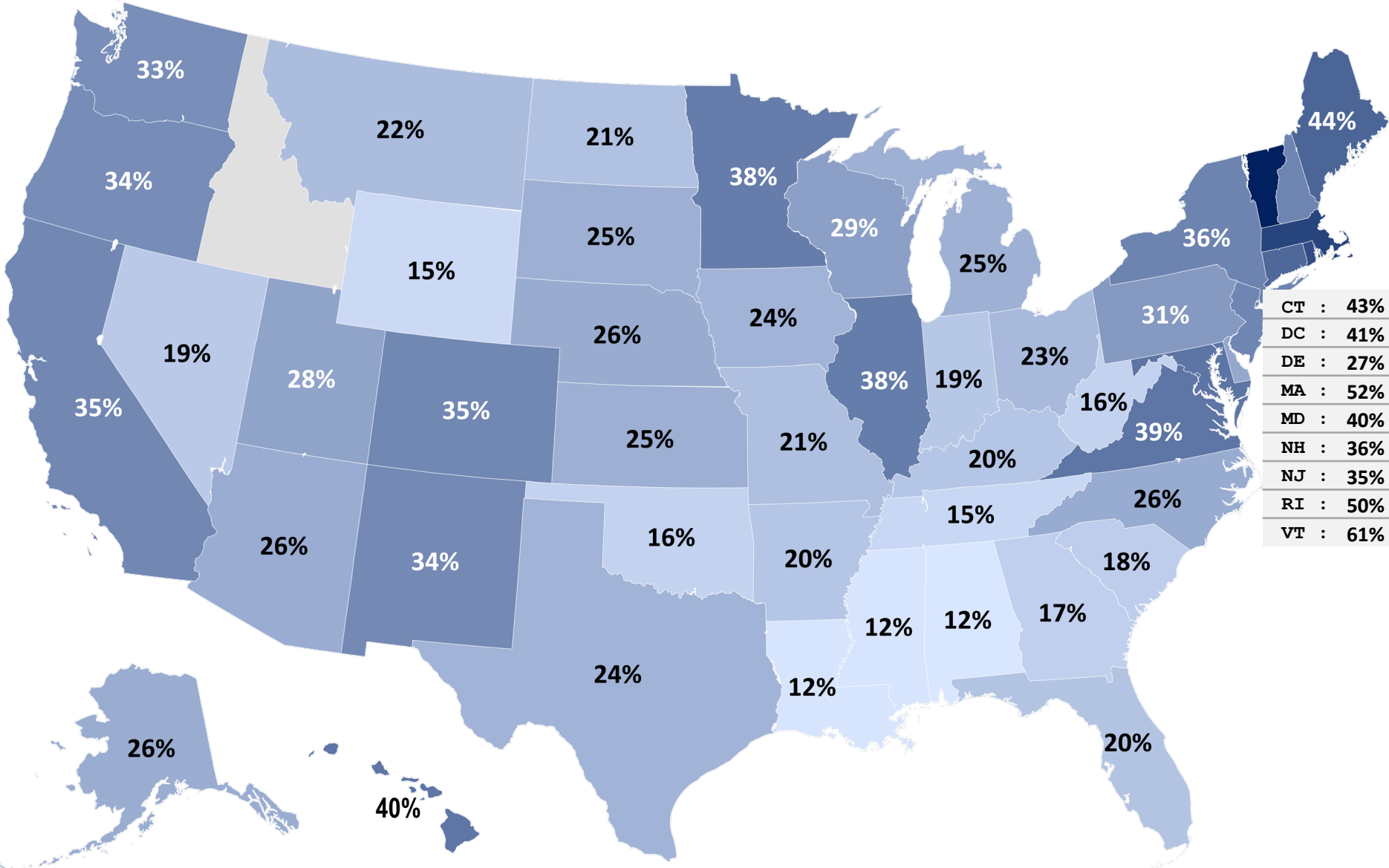
11.3.21 to 1.19.22



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-Jurisdiction>). Idaho information not available. Check state’s web sites for additional or more recent information.

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

Received Initial Dose as of 1.19.2022
12% 61%



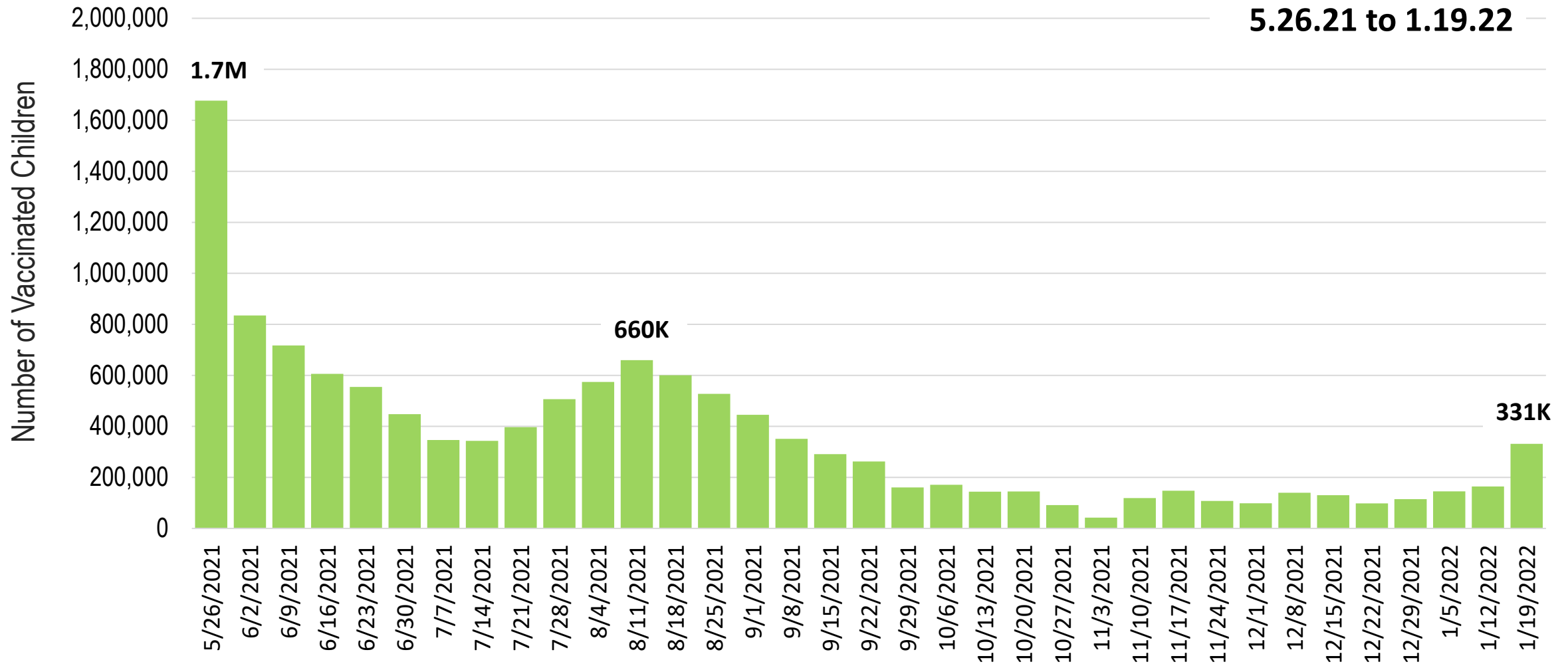
Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/Covid-19-Vaccinations-in-the-United-States-Jurisdiction/unsk-b7fc>). Idaho information not available. Check state's web sites for additional or more recent information

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

State	%Children Having Received the Initial Dose			State (continued)	%Children Having Received the Initial Dose		
	12.29.21	1.19.22	<i>Increase by Percentage Point</i>		12.29.21	1.19.22	<i>Increase by Percentage Point</i>
50 States + DC	23%	28%	5%	Missouri	18%	21%	3%
Alabama	8%	12%	4%	Montana	19%	22%	3%
Alaska	24%	26%	2%	Nebraska	22%	26%	4%
Arizona	21%	26%	5%	Nevada	14%	19%	5%
Arkansas	16%	20%	4%	New Hampshire	30%	36%	6%
California	28%	35%	7%	New Jersey	29%	35%	6%
Colorado	32%	35%	3%	New Mexico	28%	34%	6%
Connecticut	35%	43%	8%	New York	30%	36%	6%
Delaware	22%	27%	5%	North Carolina	22%	26%	4%
District of Columbia	35%	41%	6%	North Dakota	18%	21%	3%
Florida	16%	20%	4%	Ohio	19%	23%	4%
Georgia	13%	17%	4%	Oklahoma	13%	16%	3%
Hawaii	32%	40%	8%	Oregon	30%	34%	4%
Idaho	--			Pennsylvania	26%	31%	5%
Illinois	30%	38%	8%	Rhode Island	42%	50%	8%
Indiana	16%	19%	3%	South Carolina	13%	18%	5%
Iowa	21%	24%	3%	South Dakota	21%	25%	4%
Kansas	21%	25%	4%	Tennessee	12%	15%	3%
Kentucky	16%	20%	4%	Texas	19%	24%	5%
Louisiana	8%	12%	4%	Utah	24%	28%	4%
Maine	40%	44%	4%	Vermont	56%	61%	5%
Maryland	33%	40%	7%	Virginia	34%	39%	5%
Massachusetts	45%	52%	7%	Washington	29%	33%	4%
Michigan	21%	25%	4%	West Virginia	14%	16%	2%
Minnesota	33%	38%	5%	Wisconsin	25%	29%	4%
Mississippi	6%	12%	6%	Wyoming	12%	15%	3%

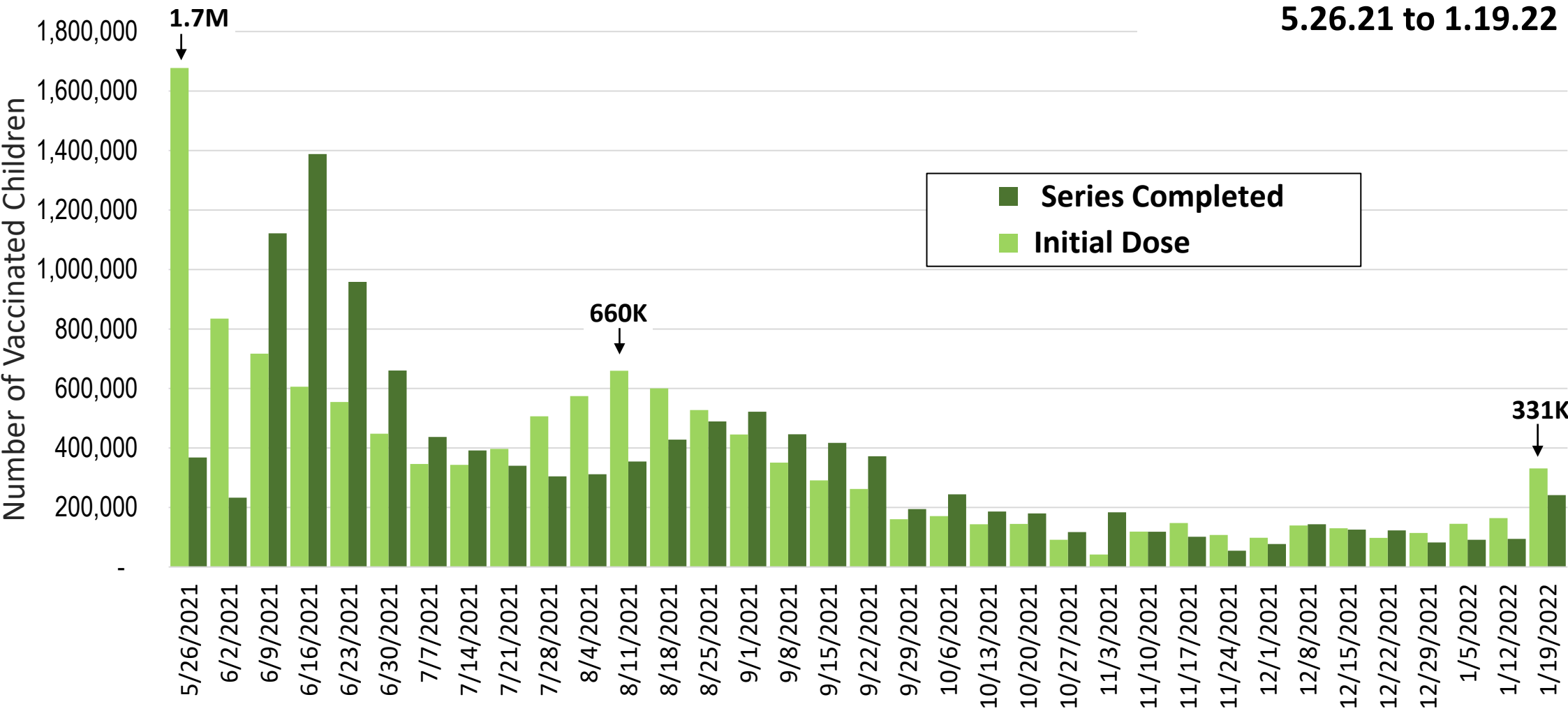
Source: AAP analysis of data series titled “COVID -19 Vaccinations in the United States, Jurisdiction”. CDC COVID -19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisd/uns-k-b7fc>). Idaho information not available. Check state’s web sites for additional or more recent information

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



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-Jurisdiction>). Idaho information not available. Check state’s web sites for additional or more recent information.

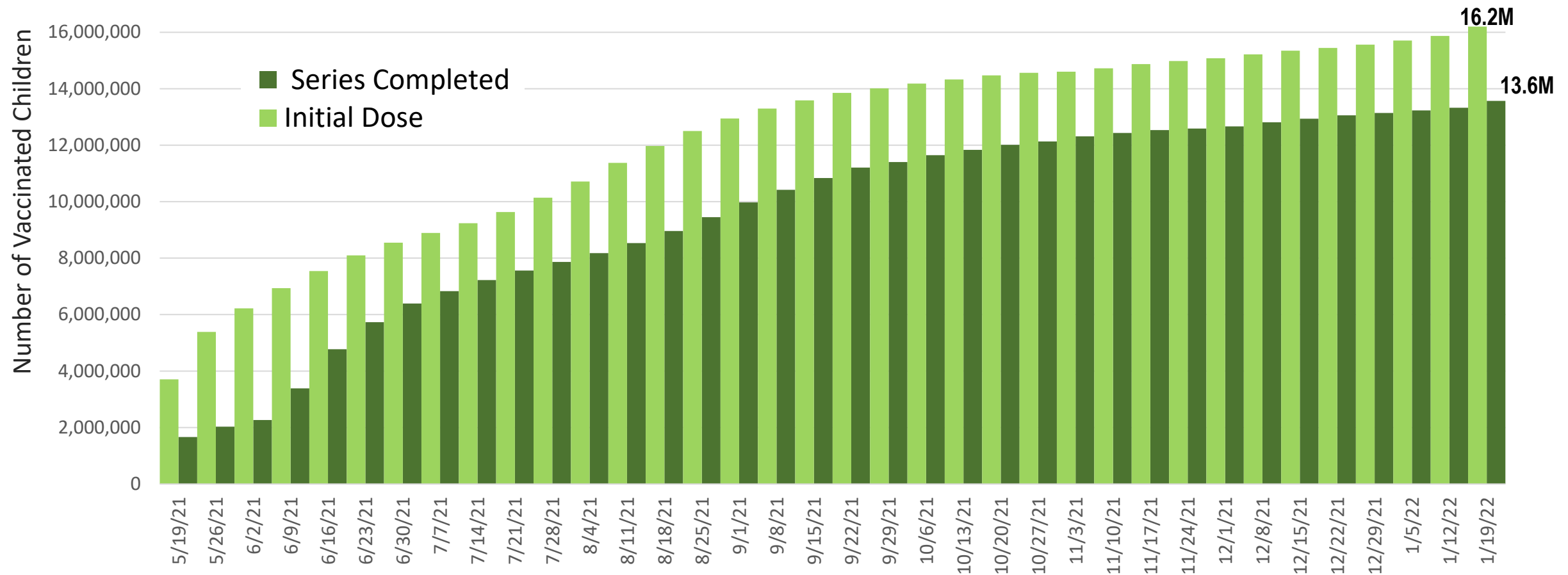
Weekly Increase in Initial and Completed COVID-19 Vaccination for Eligible US Children Ages 12-17



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-Jurisdiction>). Idaho information not available. Check state’s web sites for additional or more recent information

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

5.19.21 to 1.19.22



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-Jurisdiction/unsk-b7fc>). Idaho information not available. Check state's web sites for additional or more recent information.

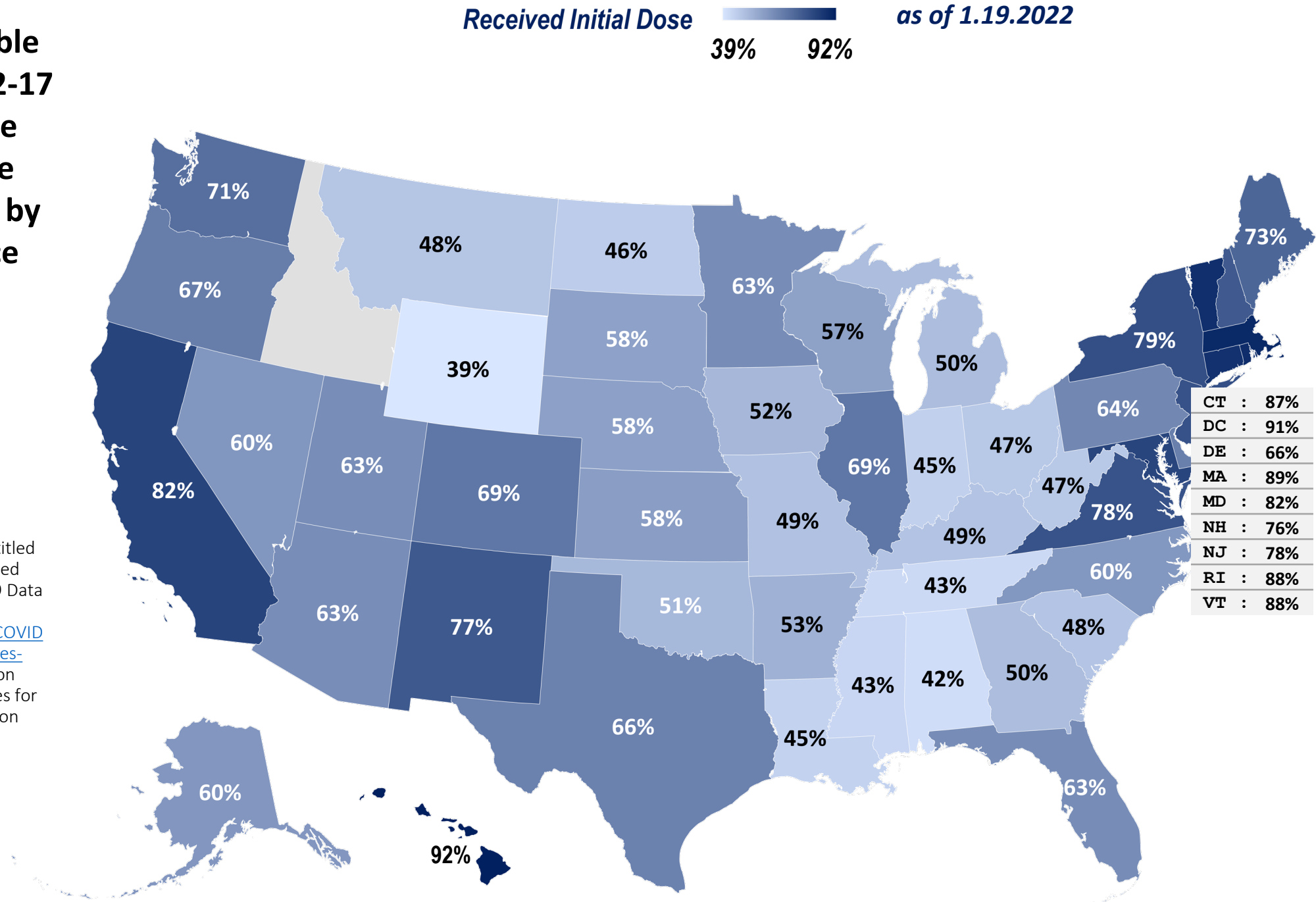
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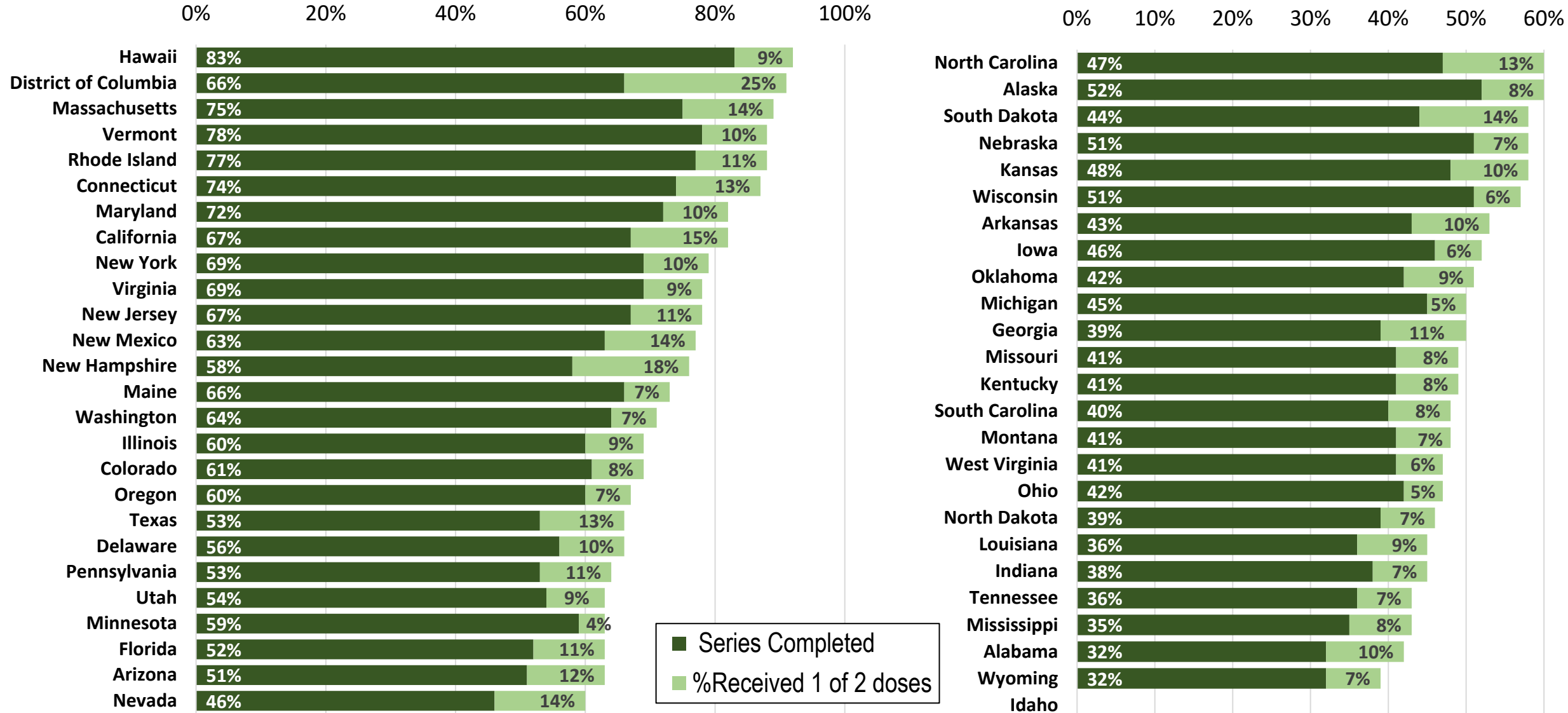
Proportion of Eligible US Children Ages 12-17 Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence

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-Jurisdiction/uns-k-b7fc>). Idaho information not available. Check state's web sites for additional or more recent information



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

as of 1.19.2022



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-Jurisdiction/unsk-b7fc>). Idaho information not available. Check state's web sites for additional or more recent information

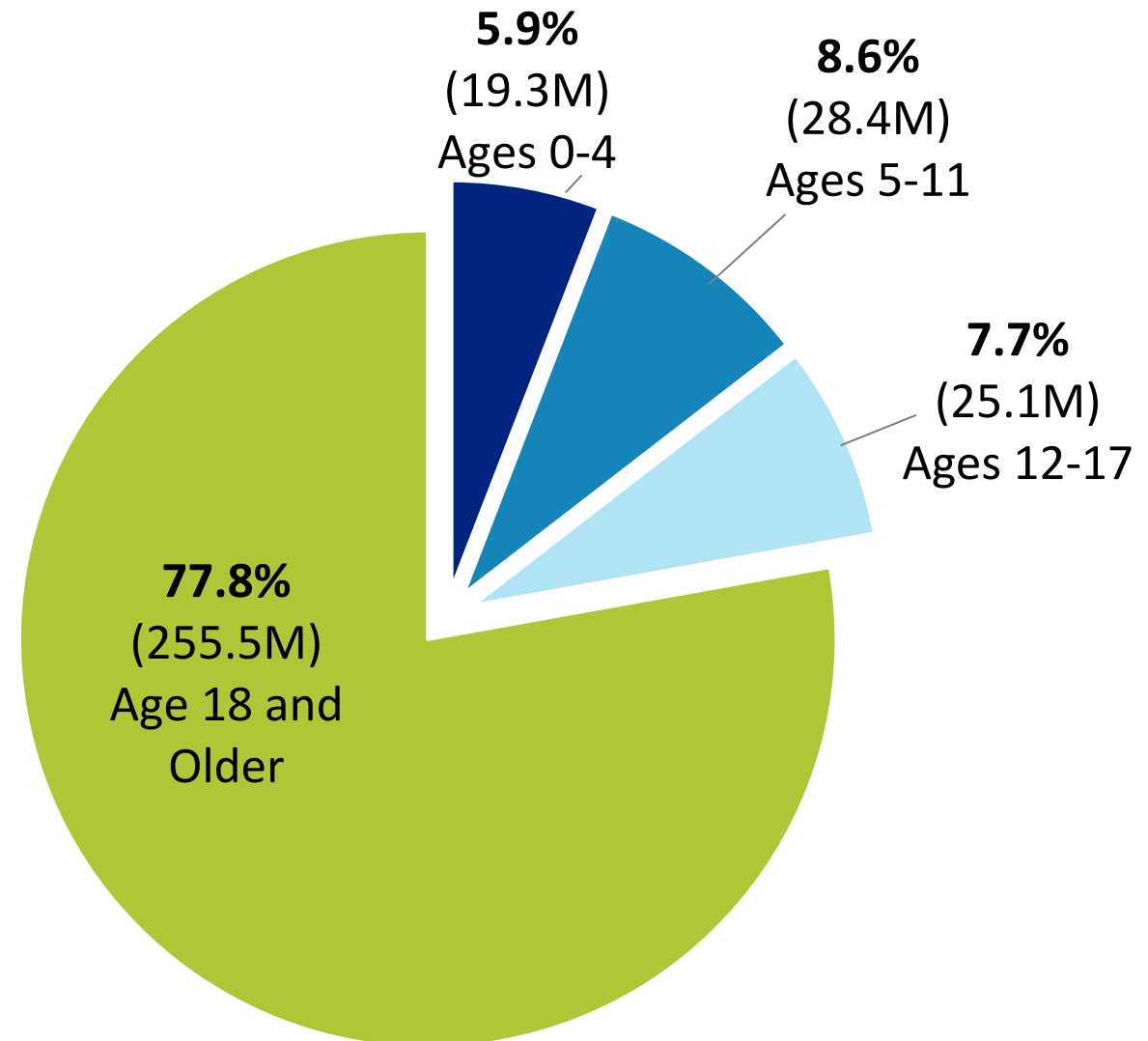
Initial Dose Among Eligible US Children Ages 12-17 ---3 Week Improvement

State	%Children Having Received the Initial Dose			State (continued)	%Children Having Received the Initial Dose		
	12.29.21	1.19.22	<i>Increase by Percentage Point</i>		12.29.21	1.19.22	<i>Increase by Percentage Point</i>
50 States + DC	62%	65%	3%	Missouri	47%	49%	2%
Alabama	40%	42%	2%	Montana	47%	48%	1%
Alaska	59%	60%	1%	Nebraska	55%	58%	3%
Arizona	60%	63%	3%	Nevada	57%	60%	3%
Arkansas	52%	53%	1%	New Hampshire	70%	76%	6%
California	79%	82%	3%	New Jersey	76%	78%	2%
Colorado	67%	69%	2%	New Mexico	74%	77%	3%
Connecticut	84%	87%	3%	New York	76%	79%	3%
Delaware	64%	66%	2%	North Carolina	56%	60%	4%
District of Columbia	85%	91%	6%	North Dakota	45%	46%	1%
Florida	61%	63%	2%	Ohio	46%	47%	1%
Georgia	48%	50%	2%	Oklahoma	49%	51%	2%
Hawaii	86%	92%	6%	Oregon	66%	67%	1%
Idaho	--			Pennsylvania	61%	64%	3%
Illinois	65%	69%	4%	Rhode Island	84%	88%	4%
Indiana	44%	45%	1%	South Carolina	46%	48%	2%
Iowa	50%	52%	2%	South Dakota	55%	58%	3%
Kansas	56%	58%	2%	Tennessee	41%	43%	2%
Kentucky	47%	49%	2%	Texas	63%	66%	3%
Louisiana	43%	45%	2%	Utah	61%	63%	2%
Maine	71%	73%	2%	Vermont	85%	88%	3%
Maryland	79%	82%	3%	Virginia	74%	78%	4%
Massachusetts	86%	89%	3%	Washington	69%	71%	2%
Michigan	49%	50%	1%	West Virginia	46%	47%	1%
Minnesota	61%	63%	2%	Wisconsin	56%	57%	1%
Mississippi	41%	43%	2%	Wyoming	38%	39%	1%

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-Jurisd/uns-k-b7fc>). Idaho information not available. Check state’s 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



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](https://www.census.gov))]

Data Sources and Methods

- This report includes US COVID-19 vaccine child recipients 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-Jurisdiction/uns-kb7fc>).
- Cumulative trends and weekly changes are updated weekly as the CDC revises and updates its data series. 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>).



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