

# Children and COVID-19 Vaccinations Trends

**AAP Analysis of Data Posted by the Centers for Disease Control and Prevention  
as of February 23, 2022**

American Academy of Pediatrics  
DEDICATED TO THE HEALTH OF ALL CHILDREN®



# 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-Jurisdiction/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 2.23.2022

## Children Ages 5-11 Years

- ❑ 9.1 million (32%) US children ages 5-11 have received their initial dose of COVID-19 vaccine.
- ❑ 7.1 million (25%) of these children completed the 2-dose vaccination series.
- ❑ Vaccination rates vary highly across states, from 14% to 64% of children 5-11 receiving their first vaccine.

## Children Ages 12-17 Years

- ❑ 16.7 million (66%) US children ages 12-17 have received their initial dose of COVID-19 vaccine.
- ❑ 14.2 million (57%) of these children completed the 2-dose vaccination series.
- ❑ At this time about 8.4 million children 12-17 have yet to receive their initial COVID-19 vaccine dose. This past week about 80,000 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 10 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-Jurisdiction/unsk-b7fc>). **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, and 67K to the 12-17 group nationally as of 2.2.2022. Check state web sites for additional or more recent information.



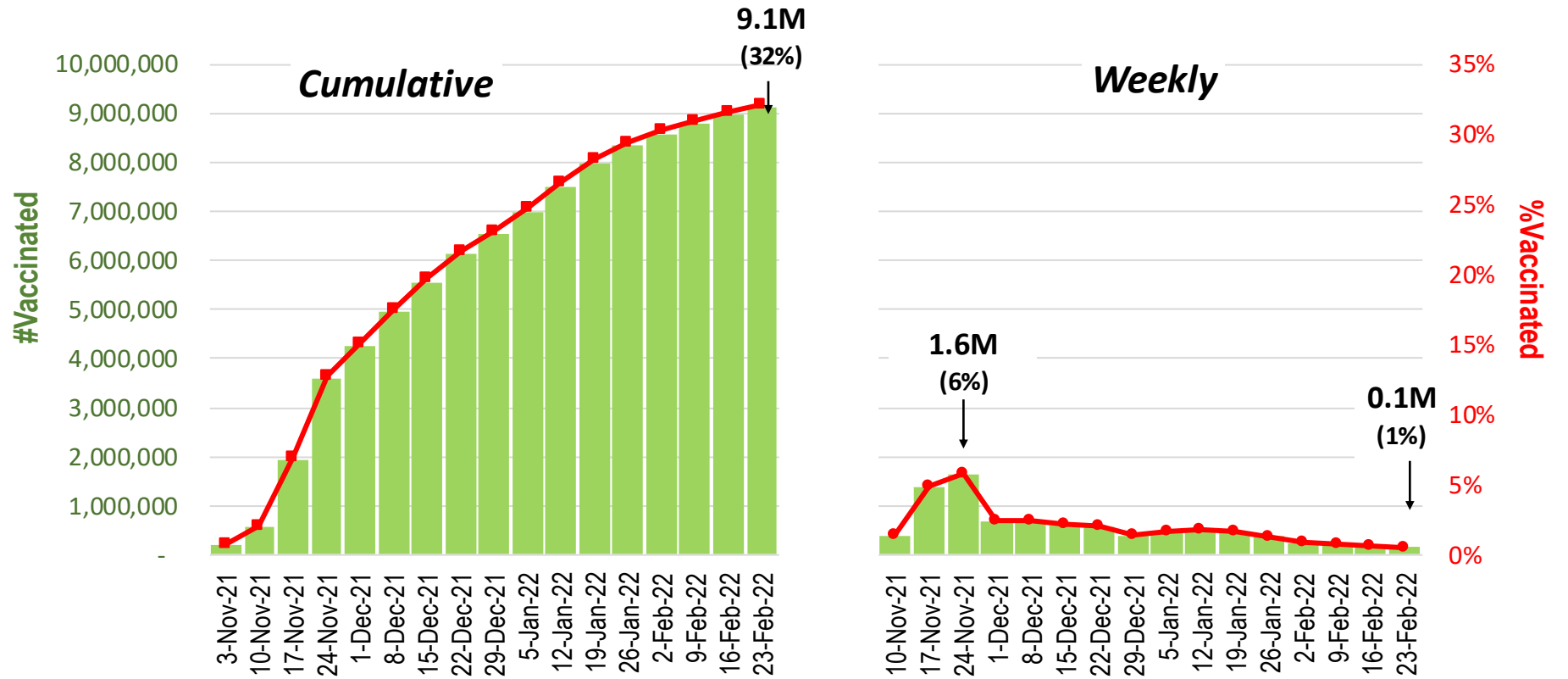
# COVID-19 Vaccinations for US Children Ages 5-11

11.3.21 to 2.23.2022

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

**As of February 23:**  
**9.1 million (32%)**  
 US children ages  
 5-11 had received  
 their initial dose  
 of COVID-19  
 vaccine

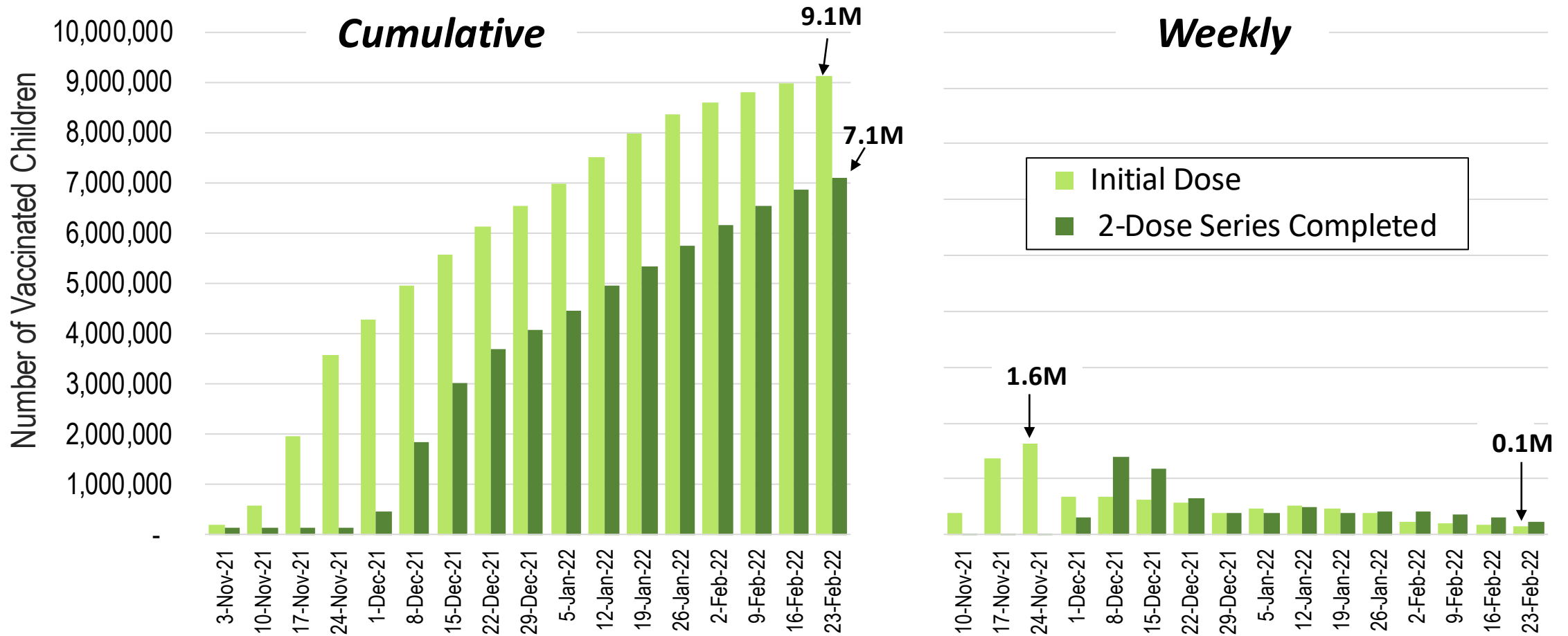
Per public-use data  
 from the CDC



**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/uns-k-b7fc>). **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. Check state web sites for additional or more recent information.

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

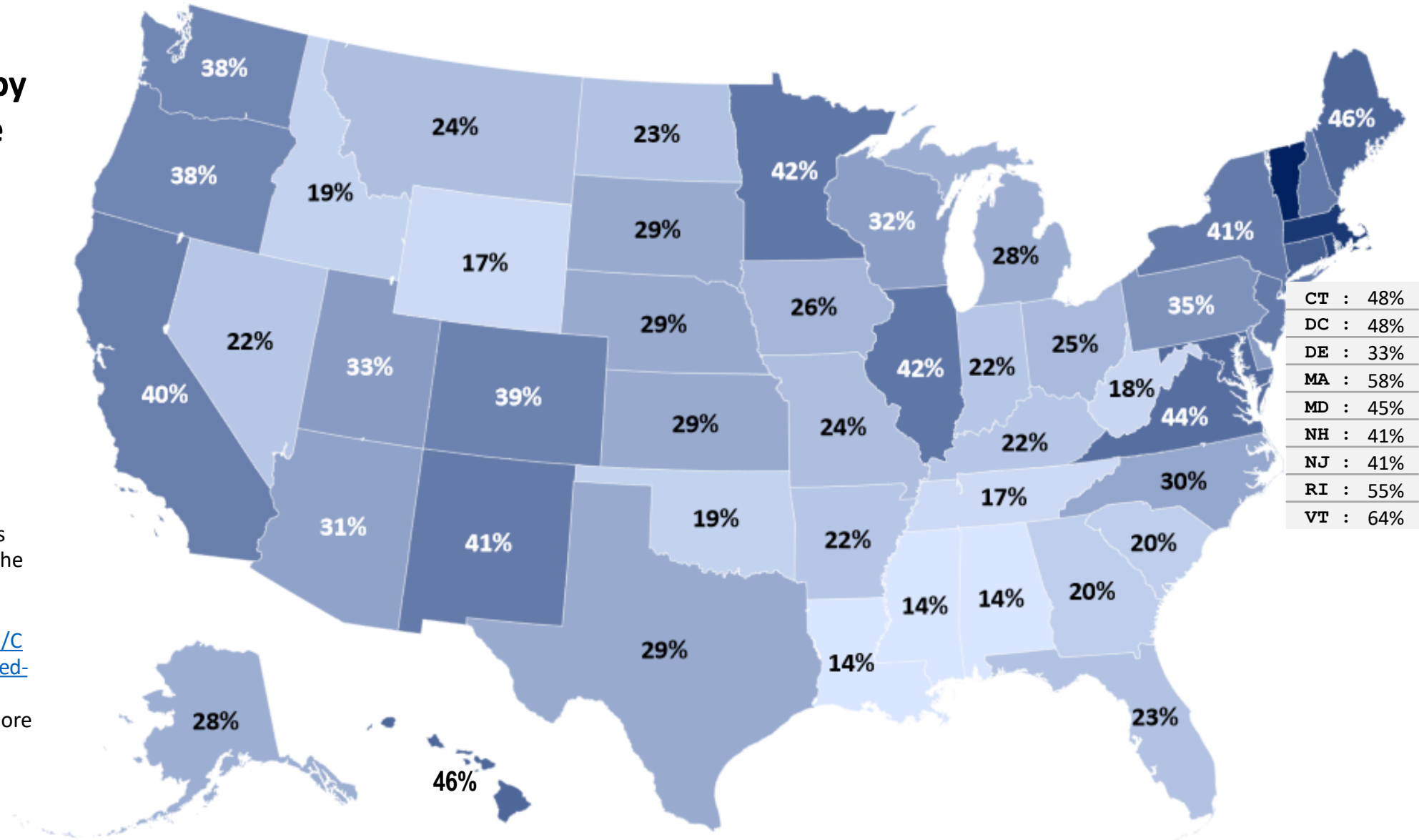
11.3.21 to 2.23.2022



**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/uns-k-b7fc>). **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. Check state 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 2.23.2022  
 14% 64%



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>). Check state web sites for additional or more recent information.



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

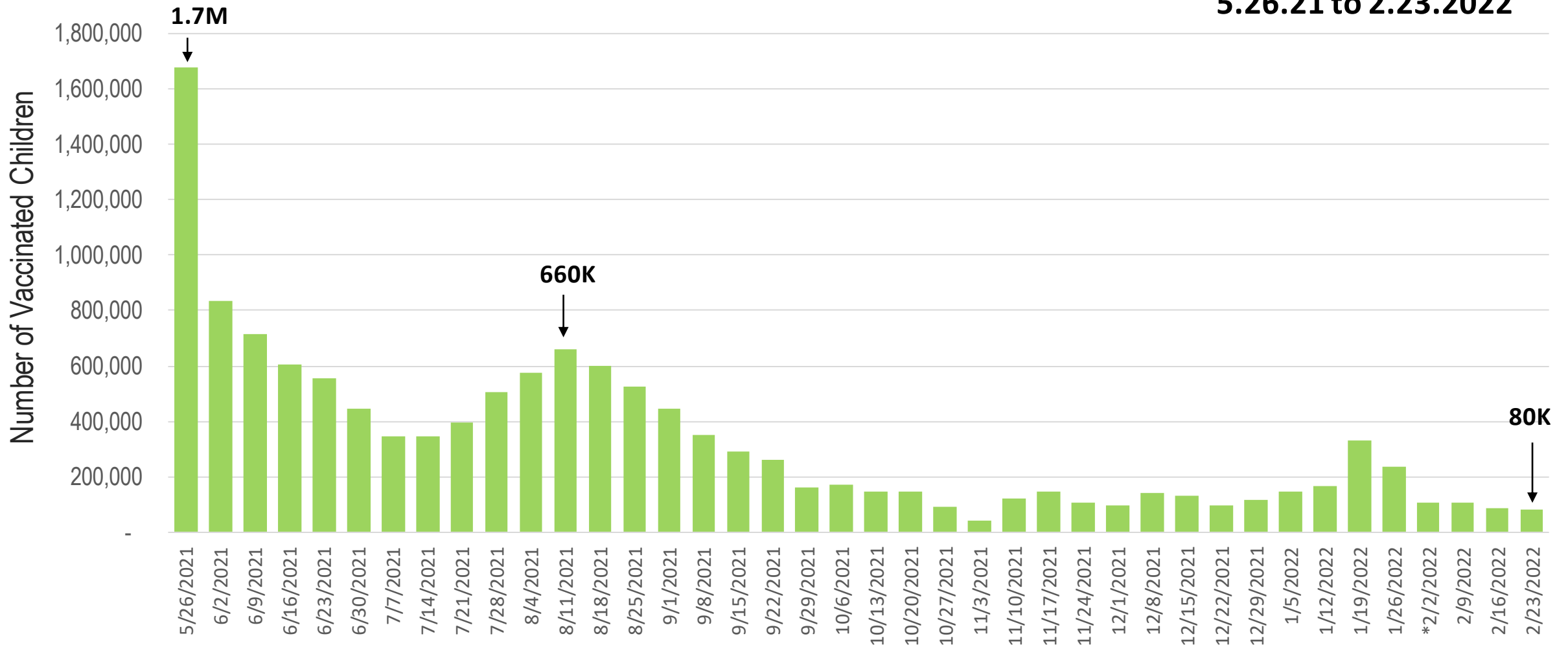
State	%Children Having Received At Least One Dose			State (continued)	%Children Having Received At Least One Dose		
	2.2.22	2.23.22	<i>Increase by Percentage Point</i>		2.2.22	2.23.22	<i>Increase by Percentage Point</i>
<b>50 States + DC</b>	<b>30%</b>	<b>32%</b>	<b>2%</b>	Missouri	23%	24%	1%
Alabama	13%	14%	1%	Montana	23%	24%	1%
Alaska	27%	28%	1%	Nebraska	28%	29%	1%
Arizona	29%	31%	2%	Nevada	21%	22%	1%
Arkansas	21%	22%	1%	New Hampshire	39%	41%	2%
California	37%	40%	3%	New Jersey	38%	41%	3%
Colorado	37%	39%	2%	New Mexico	38%	41%	3%
Connecticut	46%	48%	2%	New York	39%	41%	2%
Delaware	30%	33%	3%	North Carolina	28%	30%	2%
District of Columbia	44%	48%	4%	North Dakota	22%	23%	1%
Florida	22%	23%	1%	Ohio	24%	25%	1%
Georgia	19%	20%	1%	Oklahoma	18%	19%	1%
Hawaii	43%	46%	3%	Oregon	36%	38%	2%
Idaho	18%	19%	1%	Pennsylvania	33%	35%	2%
Illinois	40%	42%	2%	Rhode Island	53%	55%	2%
Indiana	21%	22%	1%	South Carolina	19%	20%	1%
Iowa	25%	26%	1%	South Dakota	27%	29%	2%
Kansas	27%	29%	2%	Tennessee	16%	17%	1%
Kentucky	21%	22%	1%	Texas	27%	29%	2%
Louisiana	13%	14%	1%	Utah	30%	33%	3%
Maine	45%	46%	1%	Vermont	63%	64%	1%
Maryland	43%	45%	2%	Virginia	42%	44%	2%
Massachusetts	55%	58%	3%	Washington	36%	38%	2%
Michigan	26%	28%	2%	West Virginia	17%	18%	1%
Minnesota	40%	42%	2%	Wisconsin	31%	32%	1%
Mississippi	13%	14%	1%	Wyoming	16%	17%	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-Jurisdi/uns-k-b7fc> ). Check state web sites for additional or more recent information.



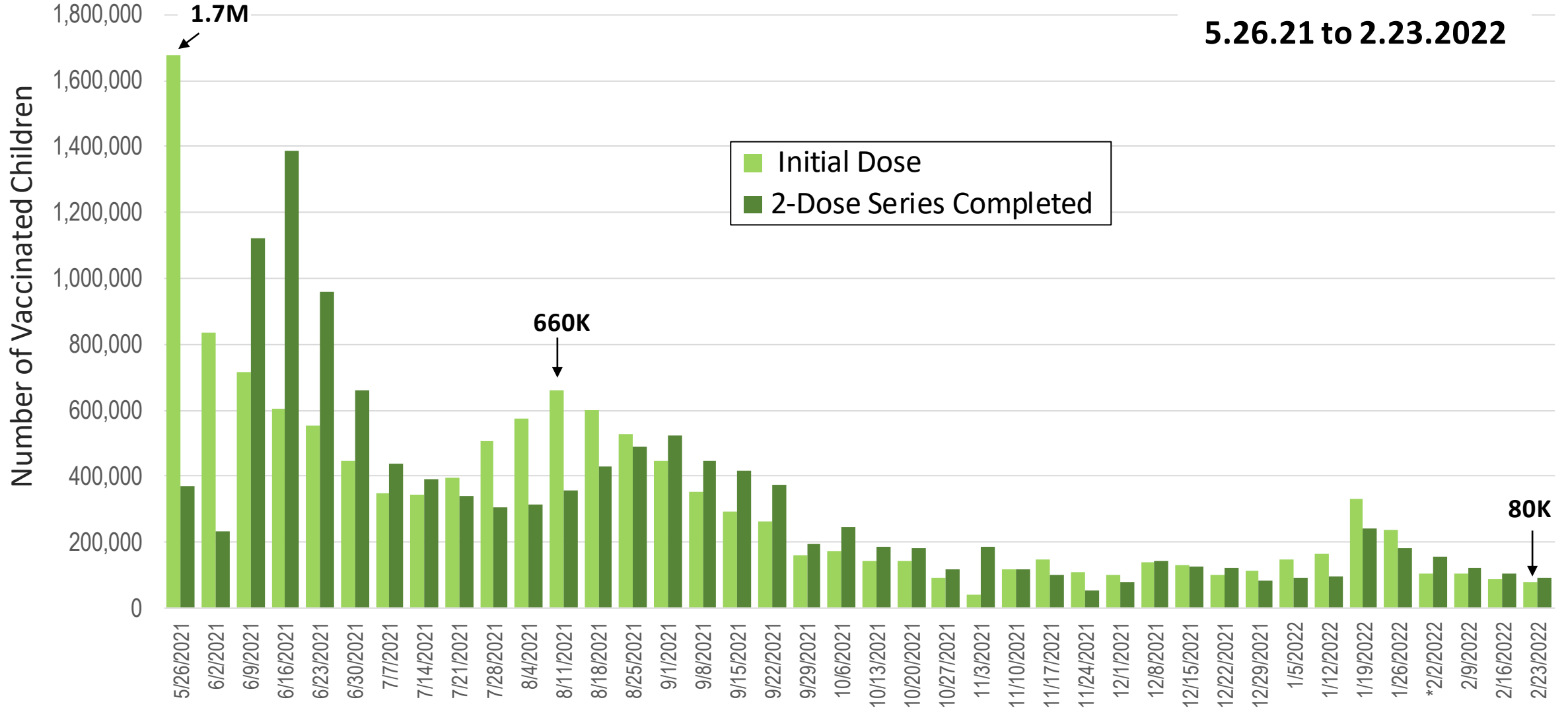
# Weekly Increase in the Number of Eligible US Children Ages 12-17 Receiving Their Initial COVID-19 Vaccination

5.26.21 to 2.23.2022



**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/uns-k-b7fc>). **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. \* Does not include California - recipients ages 12-17 cannot be calculated for the State for the week of 2.2.2022 after CA revised their report of cumulative initial dose recipients down by 103K. Check state web sites for additional or more recent information.

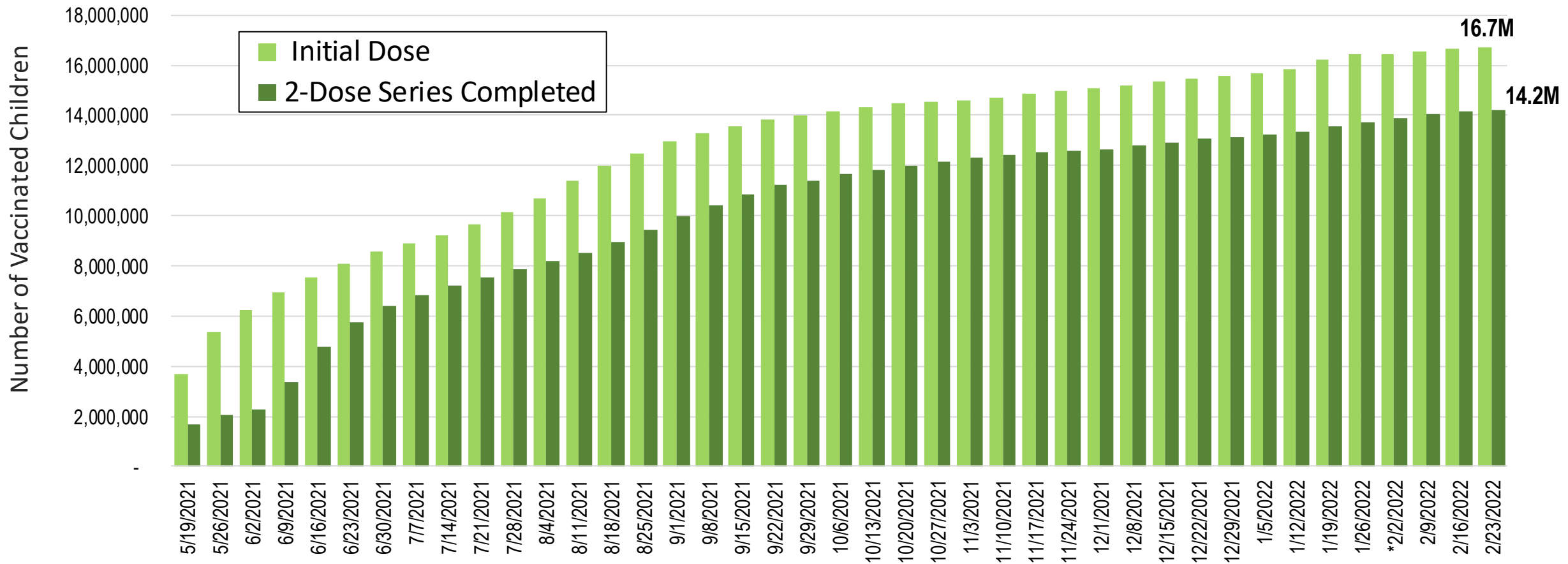
# Weekly Increase in Initial and Completed COVID-19 Vaccination for Eligible US Children Ages 12-17



**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>). **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. \* Does not include California - recipients ages 12-17 cannot be calculated for the State for the week of 2.2.2022 after CA revised their report of cumulative initial dose recipients down by 103K. Check state web sites for additional or more recent information.

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

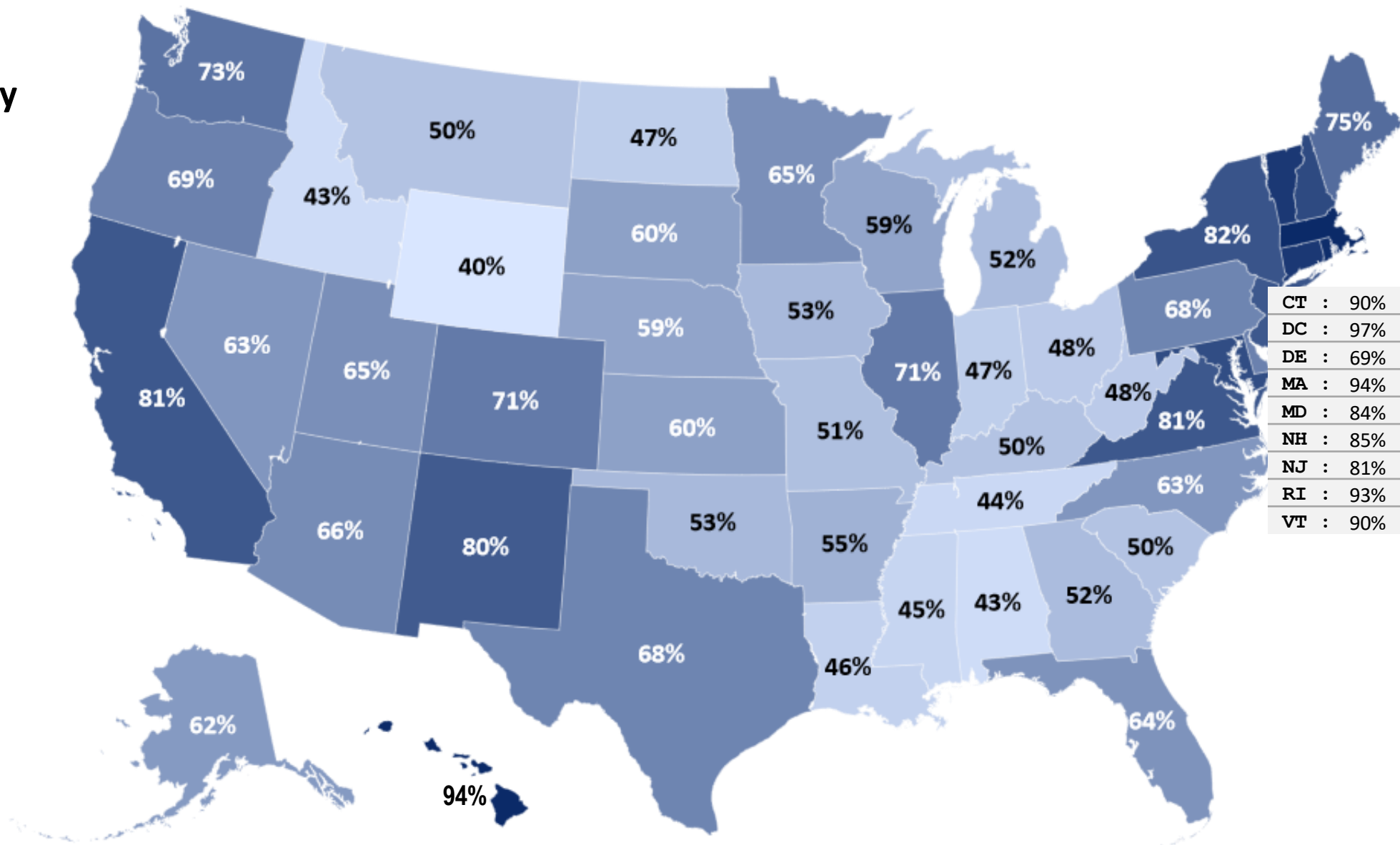
5.19.21 to 2.23.2022



**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>). **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. California revised their report of cumulative initial dose recipients down by 103K the week of 2.2.2022. Check state web sites for additional or more recent information.

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

Received Initial Dose  as of 2.23.2022  
40% 97%



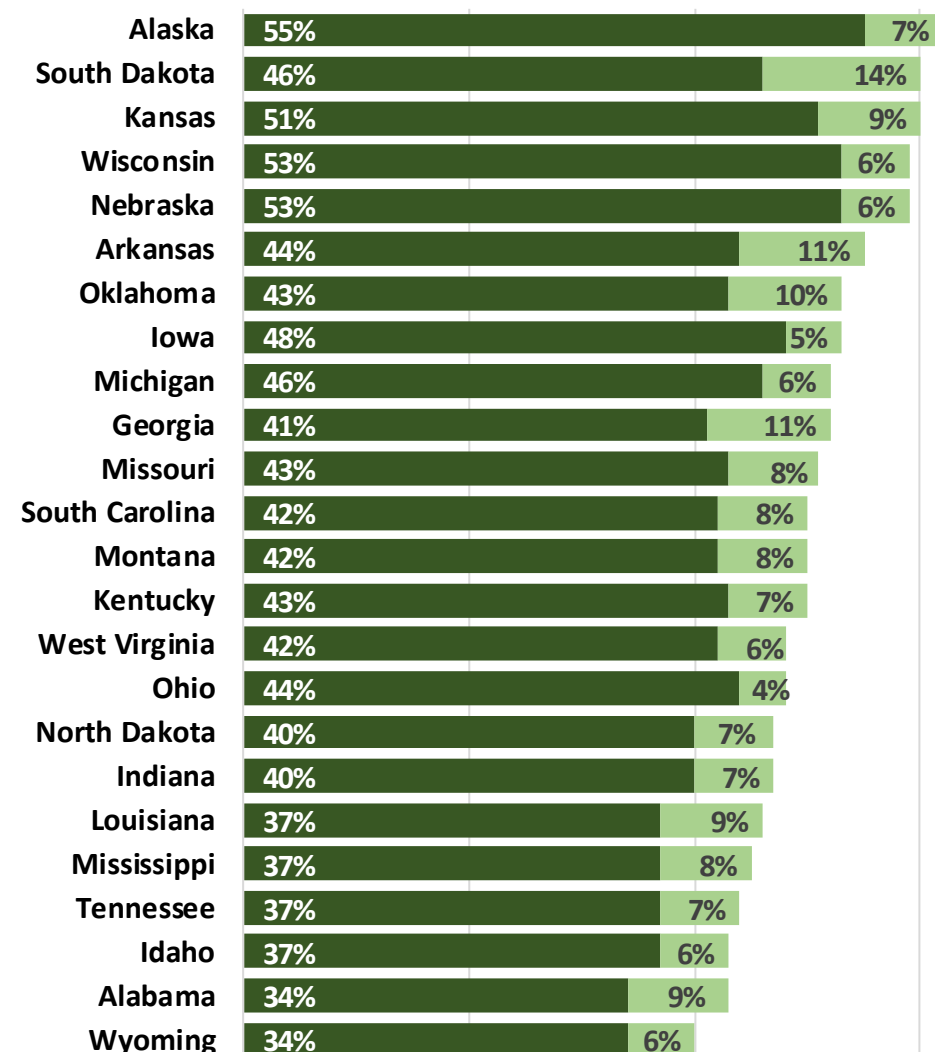
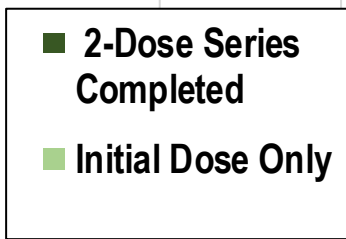
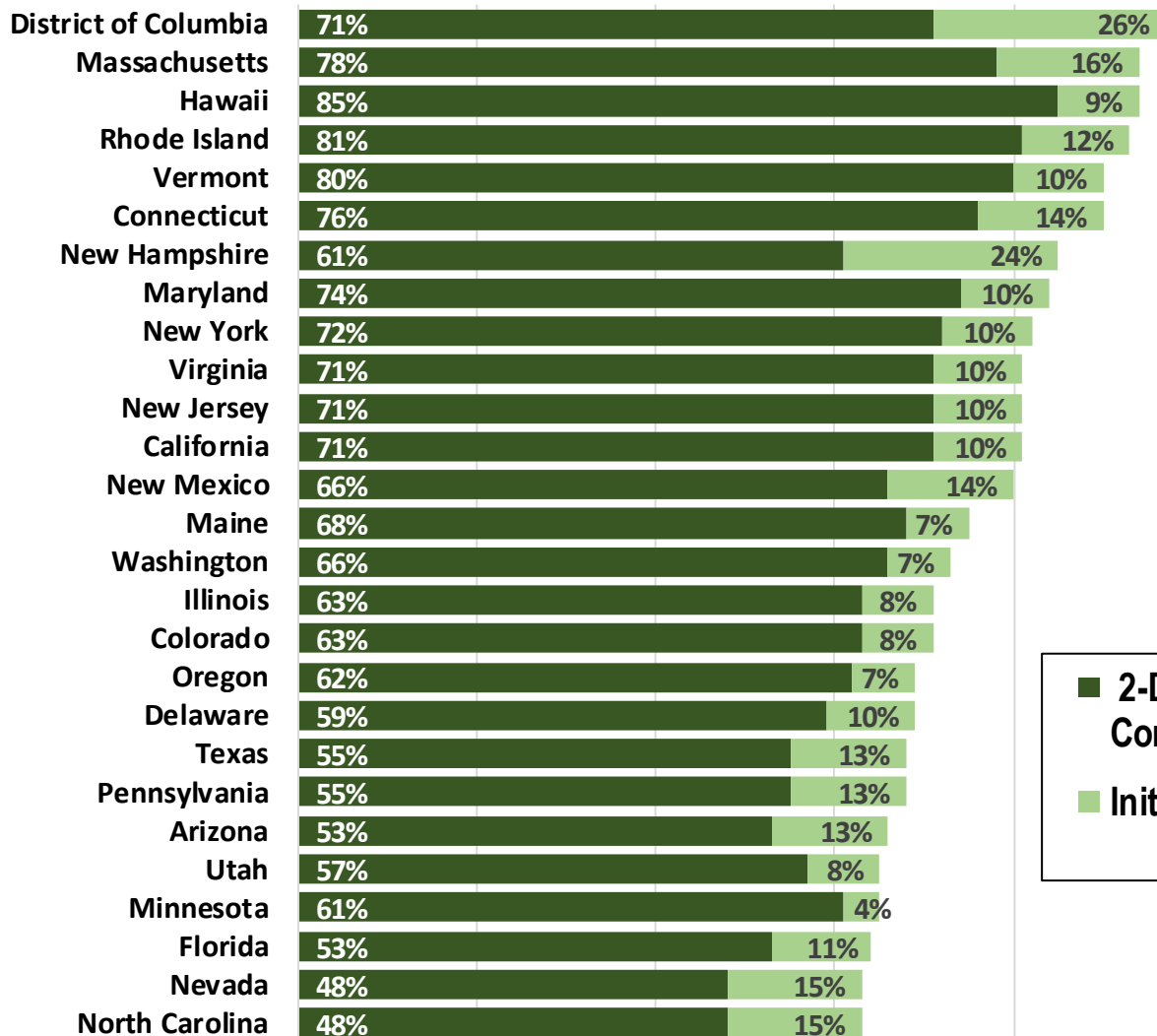
Source: AAP analysis of data series titled "COVID-19 Vaccinations in the United States, Jurisdiction". CDC COVID-19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisdiction/unsk-b7fc> ). Check state web sites for additional or more recent information.

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

as of 2.23.2022

0% 20% 40% 60% 80% 100% 120%

0% 20% 40% 60%



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>). Check state web sites for additional or more recent information.

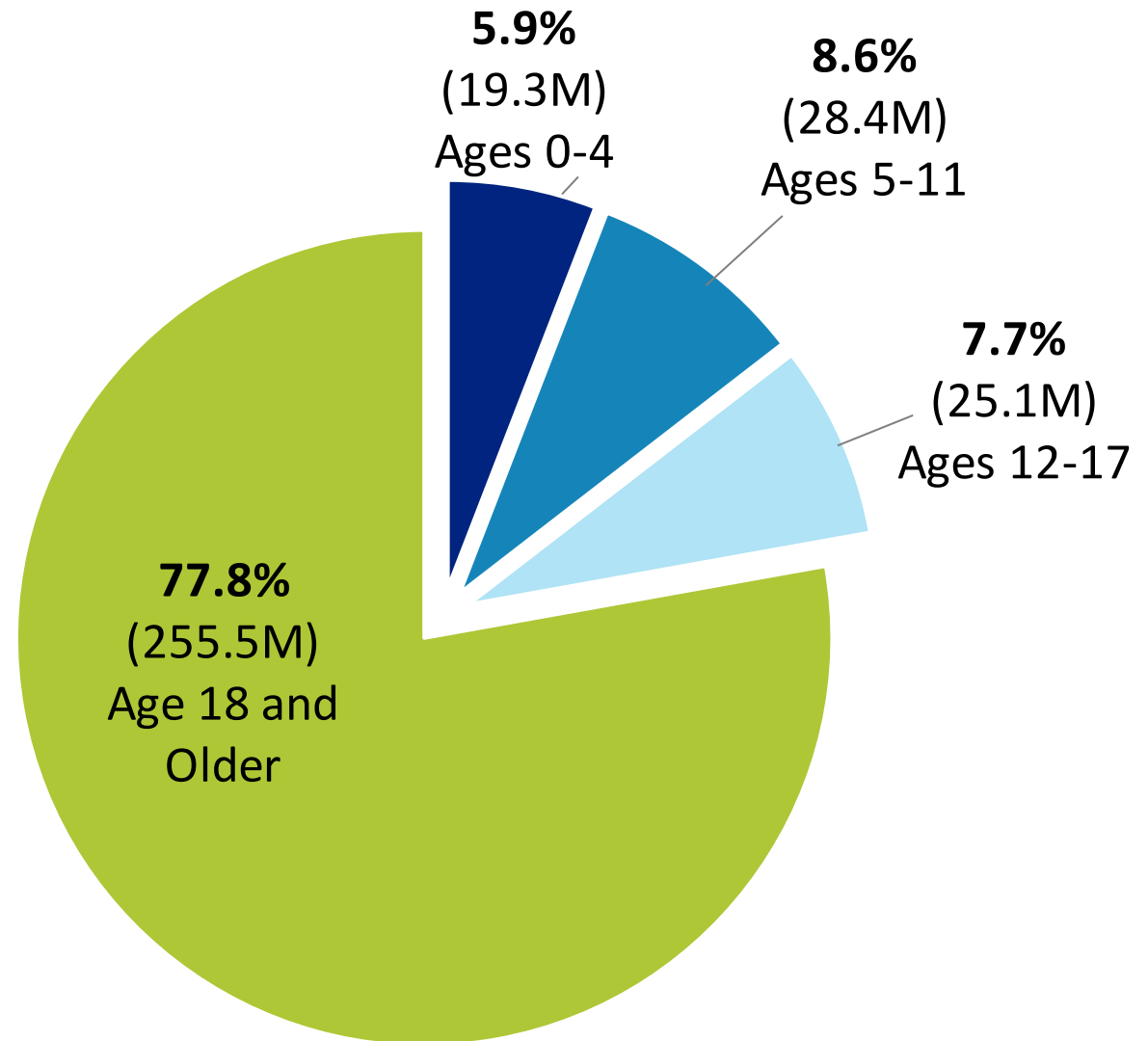
# Initial Dose Among Eligible US Children Ages 12-17 ---3 Week Improvement

State	%Children Having Received At Least One Dose			State (continued)	%Children Having Received At Least One Dose		
	2.2.22	2.23.22	<i>Increase by Percentage Point</i>		2.2.22	2.23.22	<i>Increase by Percentage Point</i>
<b>50 States + DC</b>	<b>65%</b>	<b>66%</b>	<b>1%</b>	Missouri	50%	51%	1%
Alabama	42%	43%	1%	Montana	49%	50%	1%
Alaska	61%	62%	1%	Nebraska	58%	59%	1%
Arizona	64%	66%	2%	Nevada	62%	63%	1%
Arkansas	54%	55%	1%	New Hampshire	81%	85%	4%
California	80%	81%	1%	New Jersey	80%	81%	1%
Colorado	70%	71%	1%	New Mexico	79%	80%	1%
Connecticut	89%	90%	1%	New York	81%	82%	1%
Delaware	68%	69%	1%	North Carolina	61%	63%	2%
District of Columbia	94%	97%	3%	North Dakota	47%	47%	0%
Florida	64%	64%	0%	Ohio	48%	48%	0%
Georgia	51%	52%	1%	Oklahoma	52%	53%	1%
Hawaii	92%	94%	2%	Oregon	68%	69%	1%
Idaho	42%	43%	1%	Pennsylvania	66%	68%	2%
Illinois	70%	71%	1%	Rhode Island	91%	93%	2%
Indiana	46%	47%	1%	South Carolina	49%	50%	1%
Iowa	52%	53%	1%	South Dakota	59%	60%	1%
Kansas	59%	60%	1%	Tennessee	43%	44%	1%
Kentucky	49%	50%	1%	Texas	67%	68%	1%
Louisiana	45%	46%	1%	Utah	64%	65%	1%
Maine	74%	75%	1%	Vermont	89%	90%	1%
Maryland	83%	84%	1%	Virginia	79%	81%	2%
Massachusetts	92%	94%	2%	Washington	72%	73%	1%
Michigan	51%	52%	1%	West Virginia	48%	48%	0%
Minnesota	64%	65%	1%	Wisconsin	58%	59%	1%
Mississippi	44%	45%	1%	Wyoming	39%	40%	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-Jurisdiction/uns-k-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



**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 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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