Children and COVID-19 Vaccinations Trends

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

as of February 9, 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-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 2.9.2022

Children Ages 5-11 Years

- **8.8** million (**31%**) US children ages 5-11 have received their initial dose of COVID-19 vaccine.
- **6.5** million (**23%**) of these children completed the 2-dose vaccination series.
- Vaccination rates vary highly across states, from **14%** to **63%** of children 5-11 receiving their first vaccine.

Children Ages 12-17 Years

- **16.5** million (**66%**) US children ages 12-17 have received their initial dose of COVID-19 vaccine.
- **14.0** million (**56%**) of these children completed the 2-dose vaccination series.
- At this time about **8.6** million children 12-17 have yet to receive their initial COVID-19 vaccine dose. This past week about **105,000** 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 **13** others, 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). **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

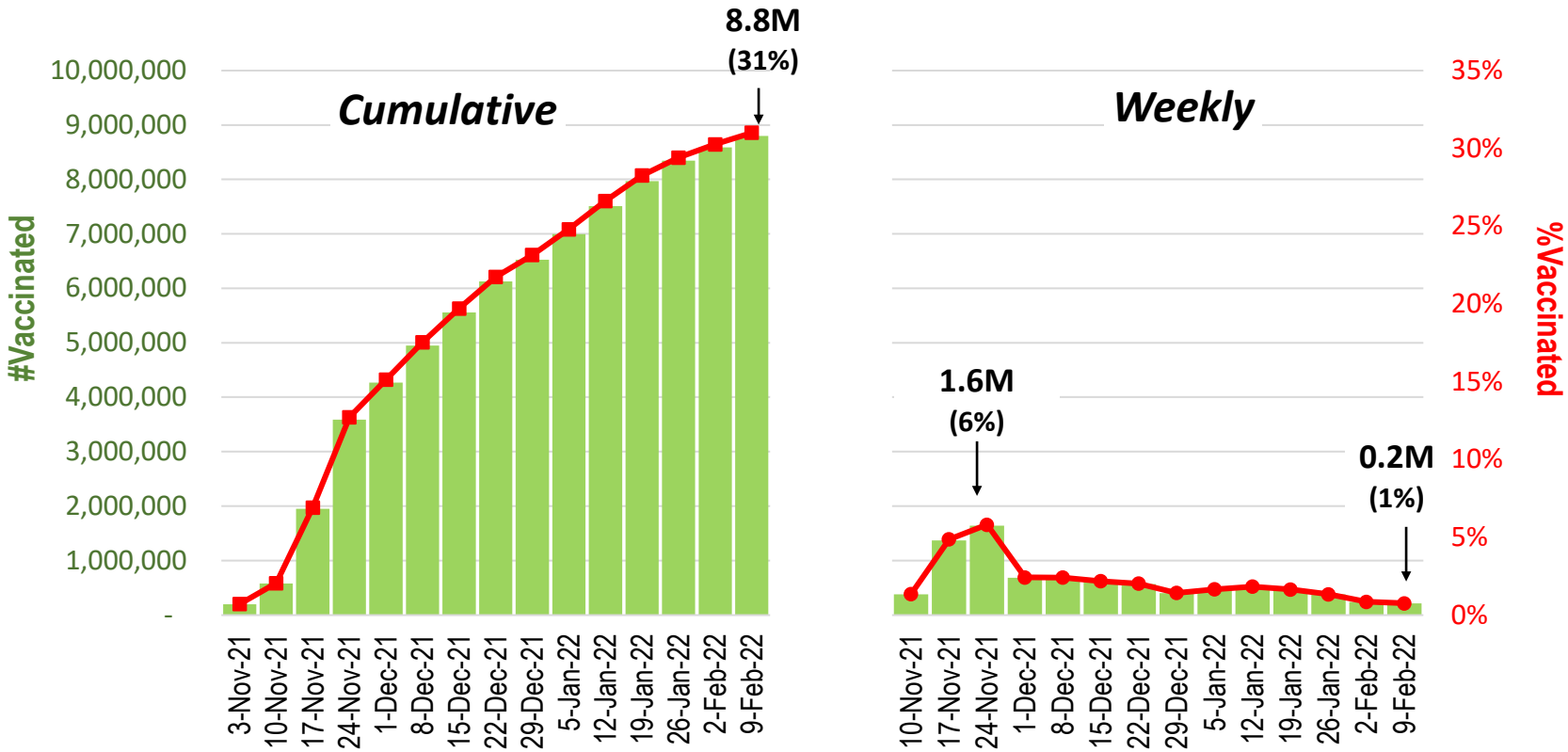
11.3.21 to 2.9.2022

As of February 9:

8.8 million (31%) US children ages 5-11 had received their initial dose of COVID-19 vaccine

Per public-use data from the CDC

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



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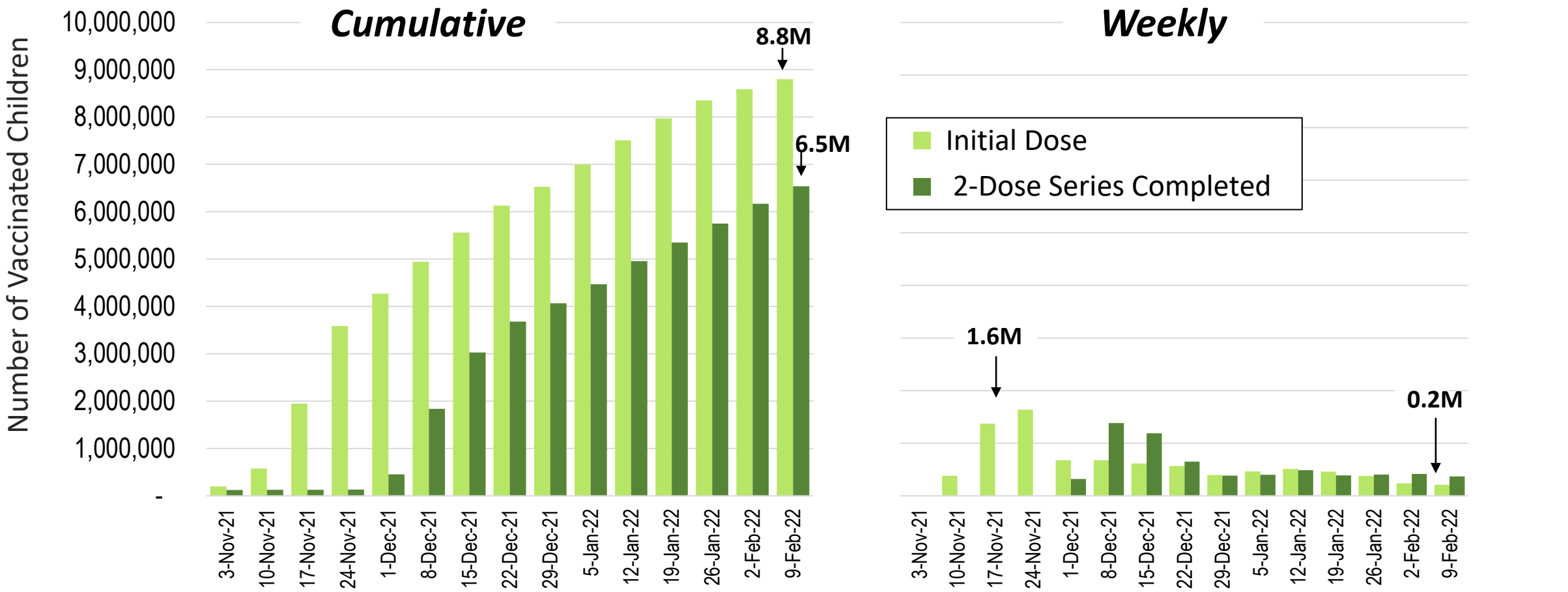
Cumulative and Weekly Number of US COVID-19 Vaccine Recipients Ages 5-11

11.3.21 to 2.9.2022



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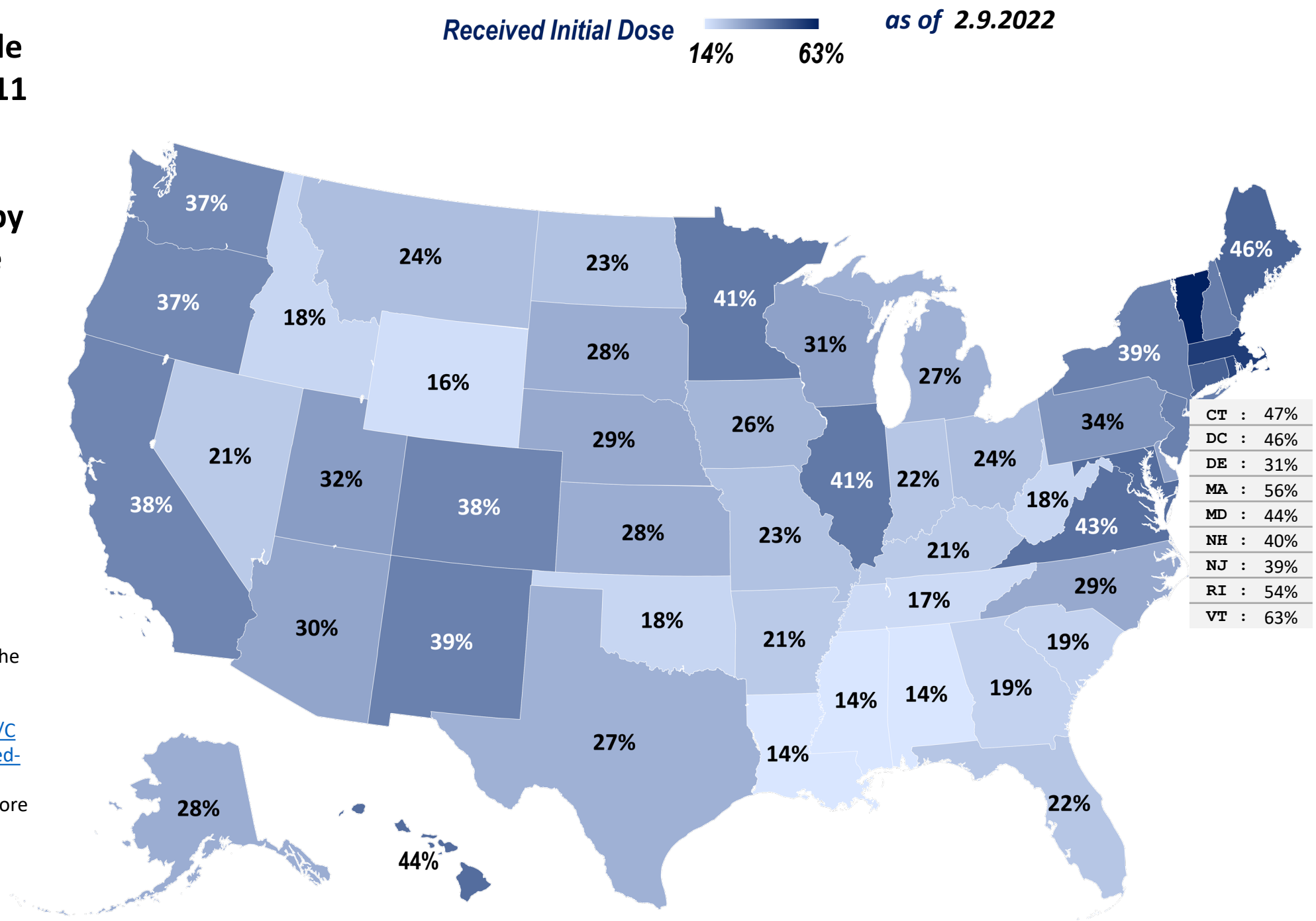
Proportion of Eligible US Children Ages 5-11 Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence



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.

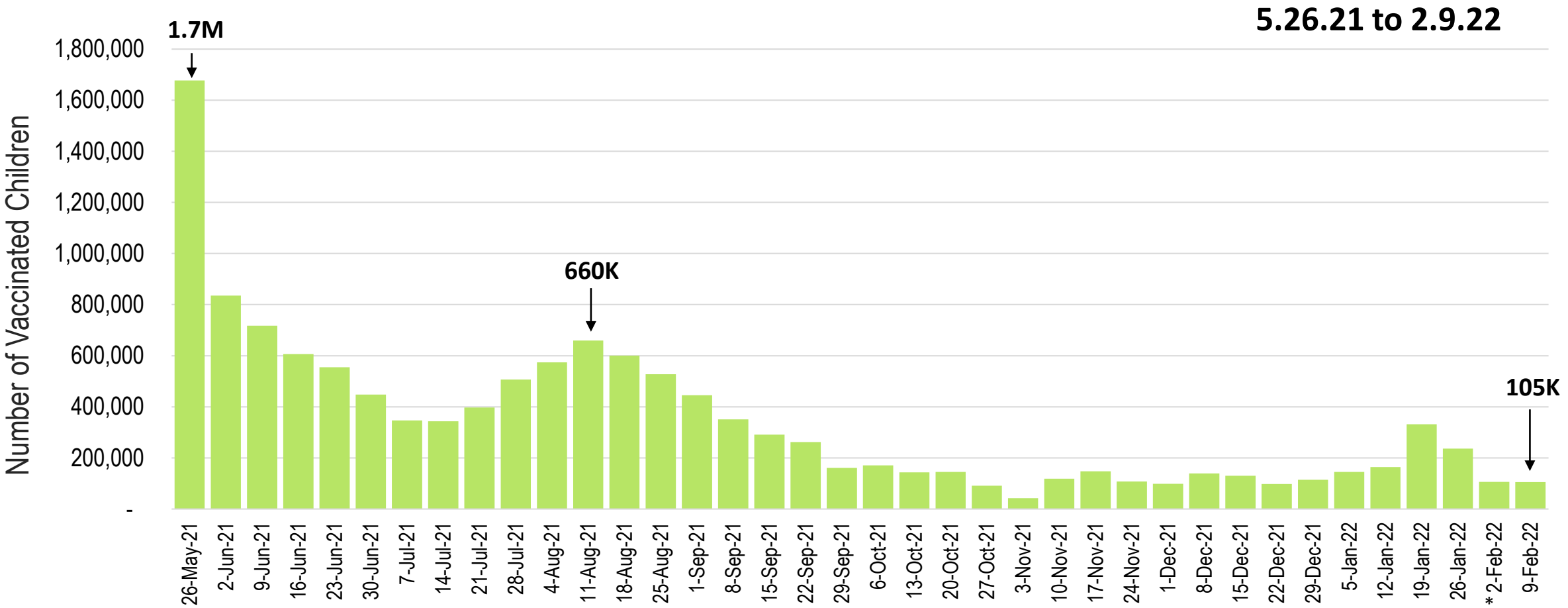
Initial Dose Among Eligible US Children Ages 5-11 ---3 Week Improvement

State	%Children Having Received At Least One Dose		
	1.19.22	2.9.22	*Increase* by Percentage Point
50 States + DC	**28%**	**31%**	**3%**
Alabama	12%	14%	2%
Alaska	26%	28%	2%
Arizona	26%	30%	4%
Arkansas	20%	21%	1%
California	35%	38%	3%
Colorado	35%	38%	3%
Connecticut	43%	47%	4%
Delaware	27%	31%	4%
District of Columbia	41%	46%	5%
Florida	20%	22%	2%
Georgia	17%	19%	2%
Hawaii	40%	44%	4%
Idaho	~	18%	--
Illinois	38%	41%	3%
Indiana	19%	22%	3%
Iowa	24%	26%	2%
Kansas	25%	28%	3%
Kentucky	20%	21%	1%
Louisiana	12%	14%	2%
Maine	44%	46%	2%
Maryland	40%	44%	4%
Massachusetts	52%	56%	4%
Michigan	25%	27%	2%
Minnesota	38%	41%	3%
Mississippi	12%	14%	2%

State (continued)	%Children Having Received At Least One Dose		
	1.19.22	2.9.22	*Increase* by Percentage Point
Missouri	21%	23%	2%
Montana	22%	24%	2%
Nebraska	26%	29%	3%
Nevada	19%	21%	2%
New Hampshire	36%	40%	4%
New Jersey	35%	39%	4%
New Mexico	34%	39%	5%
New York	36%	39%	3%
North Carolina	26%	29%	3%
North Dakota	21%	23%	2%
Ohio	23%	24%	1%
Oklahoma	16%	18%	2%
Oregon	34%	37%	3%
Pennsylvania	31%	34%	3%
Rhode Island	50%	54%	4%
South Carolina	18%	19%	1%
South Dakota	25%	28%	3%
Tennessee	15%	17%	2%
Texas	24%	27%	3%
Utah	28%	32%	4%
Vermont	61%	63%	2%
Virginia	39%	43%	4%
Washington	33%	37%	4%
West Virginia	16%	18%	2%
Wisconsin	29%	31%	2%
Wyoming	15%	16%	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/unsk-b7fc). ~ 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.

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



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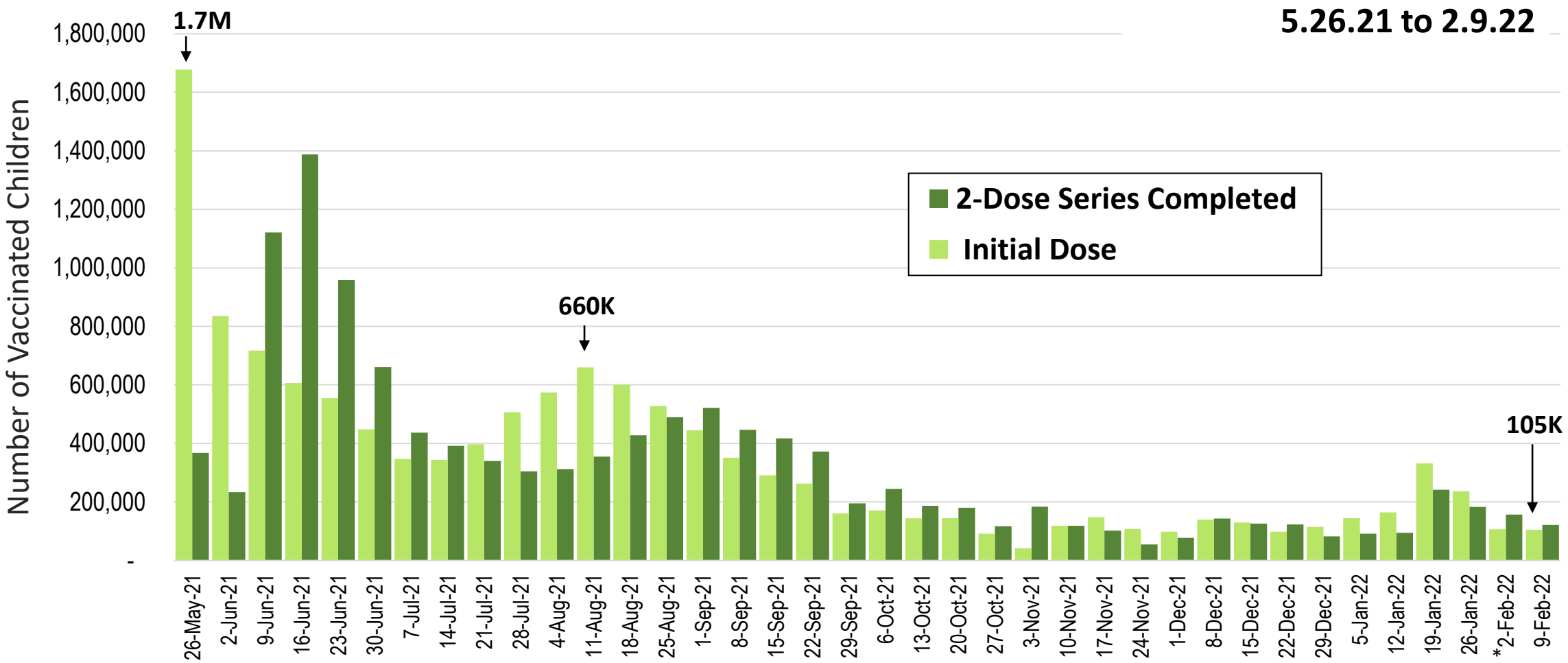
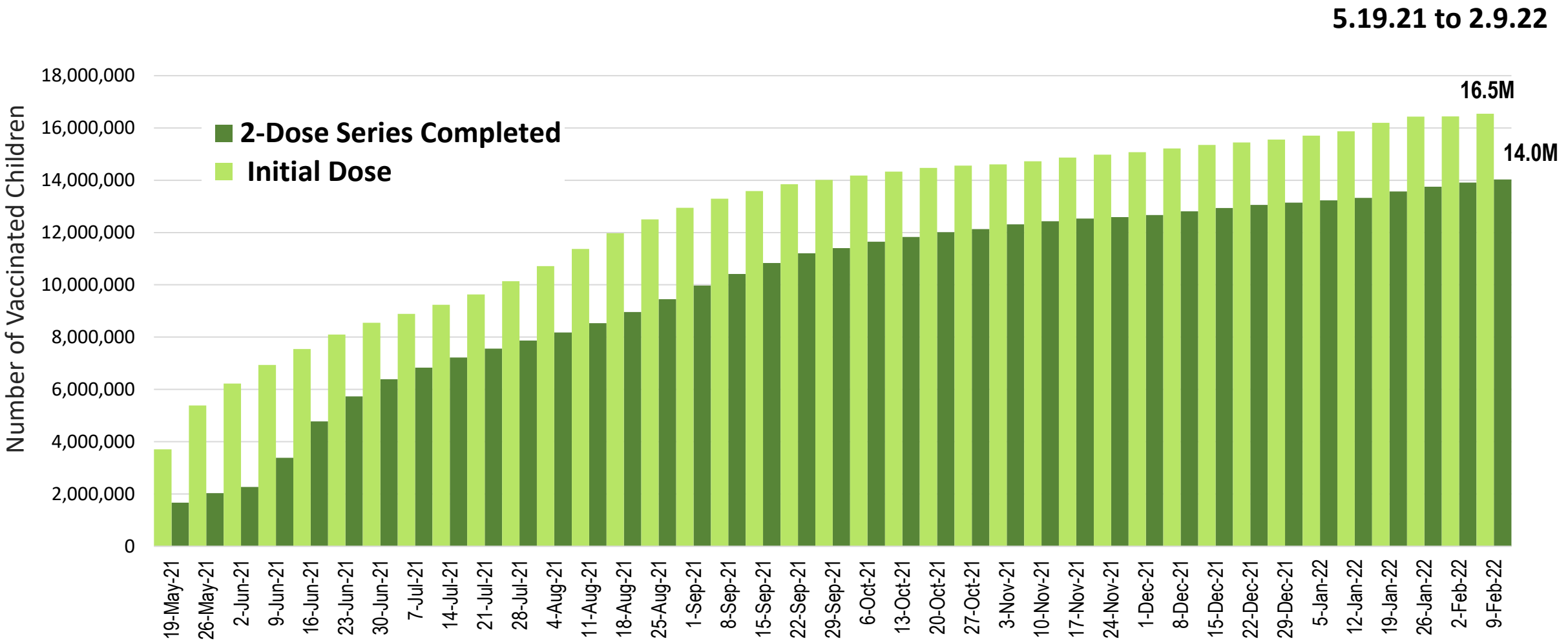
Weekly Increase in Initial and Completed COVID-19 Vaccination for Eligible US Children Ages 12-17



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-Jurisdi/unsk-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.

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



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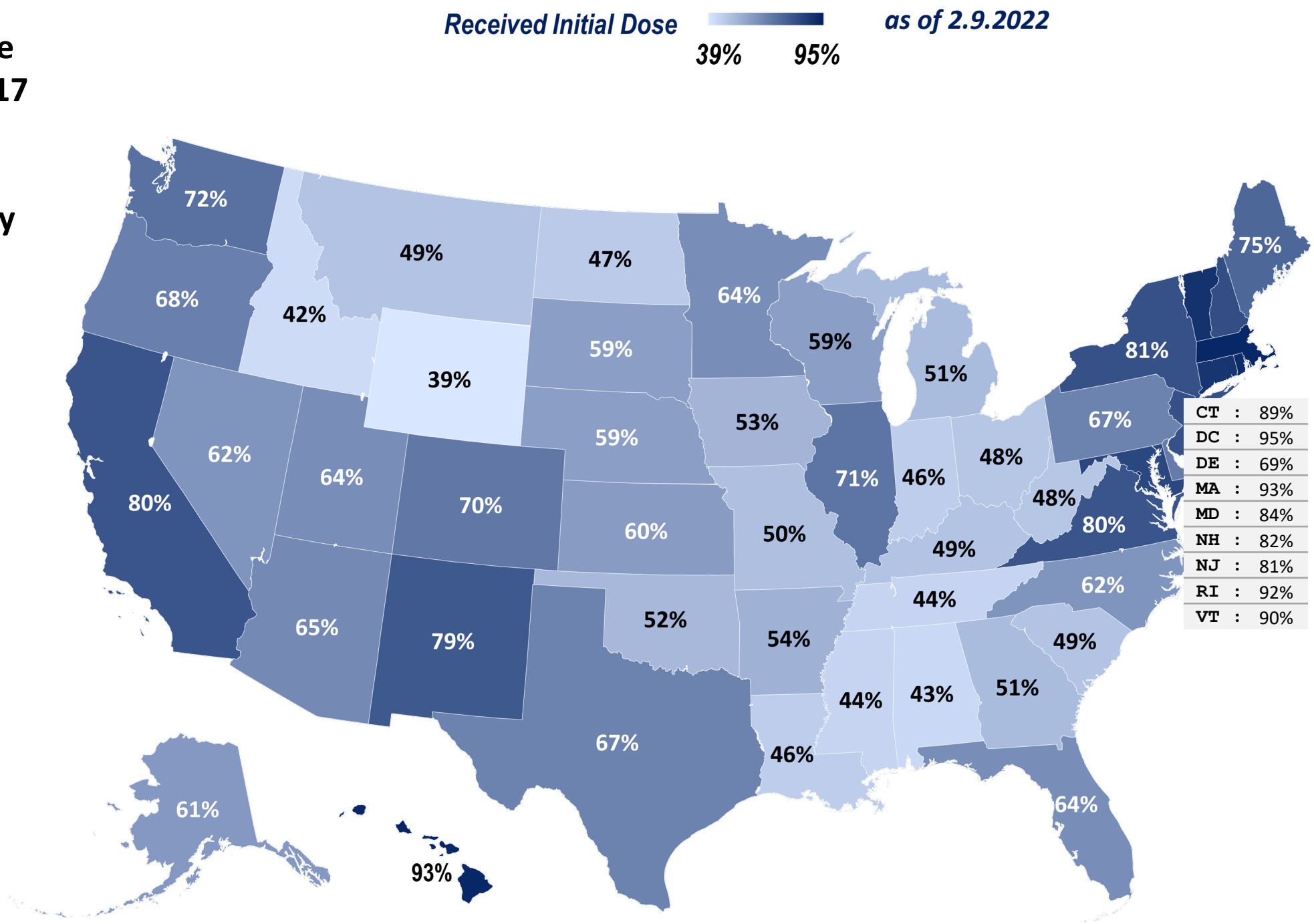
Proportion of Eligible US Children Ages 12-17 Who Received the Initial Dose of the COVID-19 Vaccine, by State of Residence



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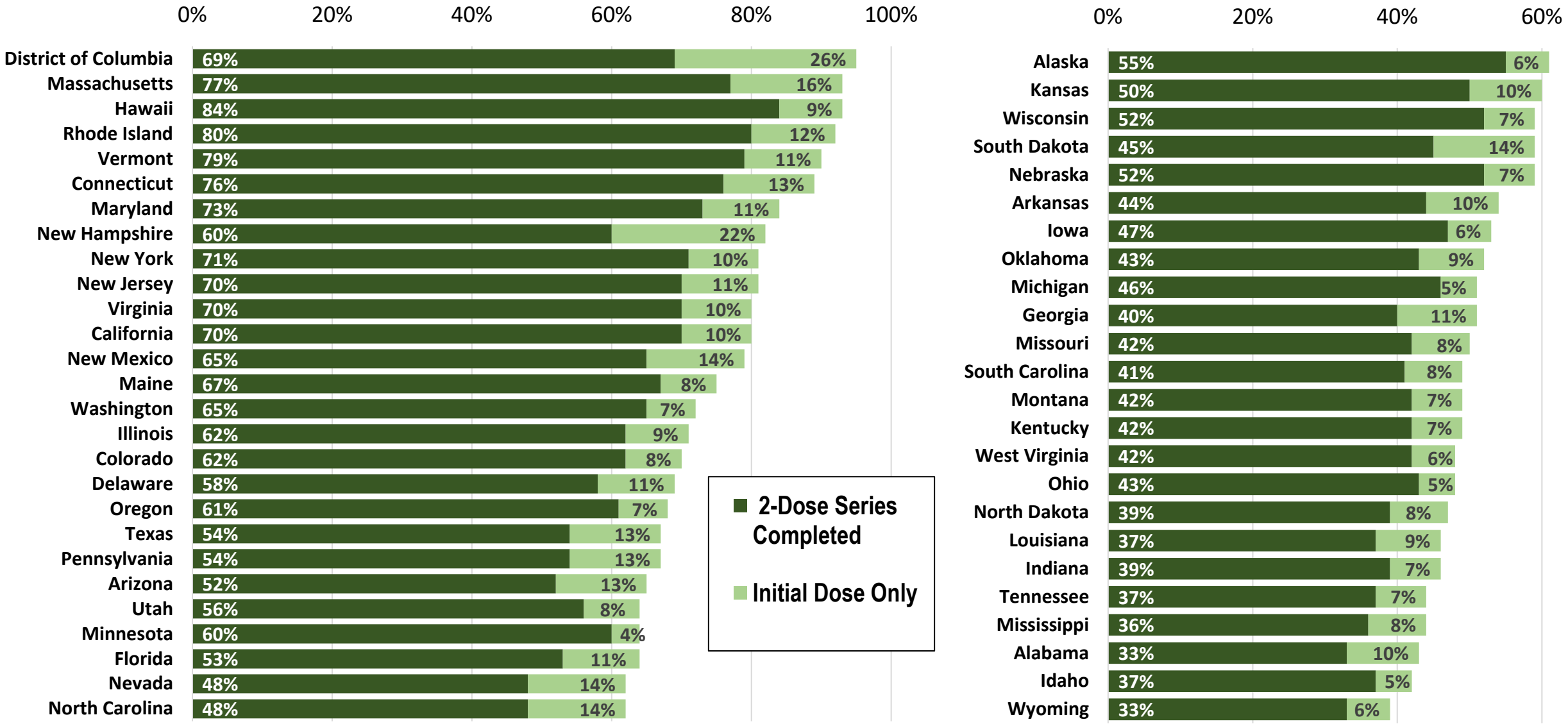
Proportion of Eligible US Children Ages 12-17 Vaccinated Against COVID-19 by State of Residence

as of 2.9.2022



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

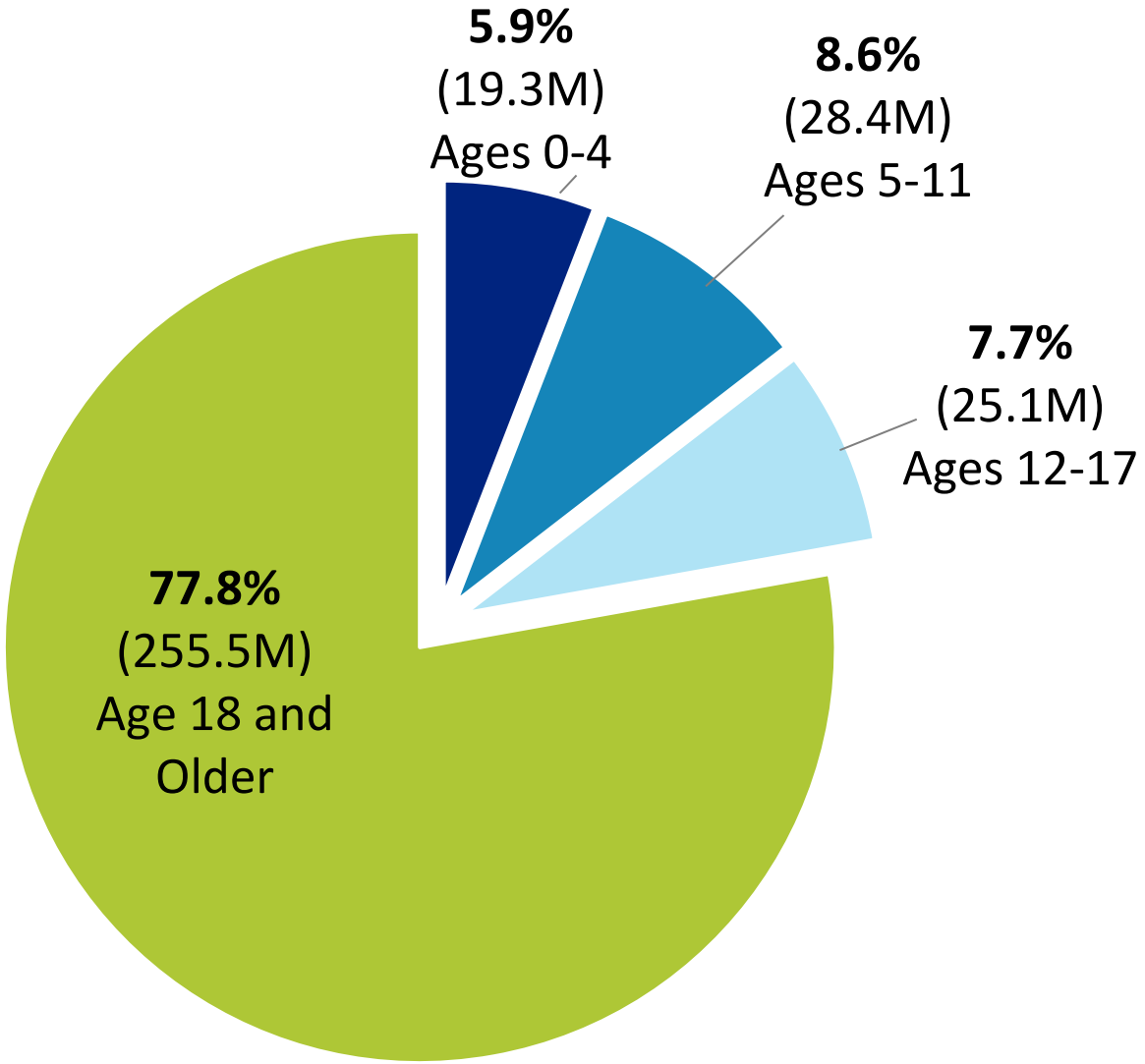
State	%Children Having Received At Least One Dose		
	1.19.22	2.9.22	*Increase* by Percentage Point
50 States + DC	**64%**	**66%**	**2%**
Alabama	42%	43%	1%
Alaska	60%	61%	1%
Arizona	63%	65%	2%
Arkansas	53%	54%	1%
California	*	80%	--
Colorado	69%	70%	1%
Connecticut	87%	89%	2%
Delaware	66%	69%	3%
District of Columbia	91%	95%	4%
Florida	63%	64%	1%
Georgia	50%	51%	1%
Hawaii	92%	93%	1%
Idaho	~	42%	--
Illinois	69%	71%	2%
Indiana	45%	46%	1%
Iowa	52%	53%	1%
Kansas	58%	60%	2%
Kentucky	49%	49%	0%
Louisiana	45%	46%	1%
Maine	73%	75%	2%
Maryland	82%	84%	2%
Massachusetts	89%	93%	4%
Michigan	50%	51%	1%
Minnesota	63%	64%	1%
Mississippi	43%	44%	1%

State (continued)	%Children Having Received At Least One Dose		
	1.19.22	2.9.22	*Increase* by Percentage Point
Missouri	49%	50%	1%
Montana	48%	49%	1%
Nebraska	58%	59%	1%
Nevada	60%	62%	2%
New Hampshire	76%	82%	6%
New Jersey	78%	81%	3%
New Mexico	77%	79%	2%
New York	79%	81%	2%
North Carolina	60%	62%	2%
North Dakota	46%	47%	1%
Ohio	47%	48%	1%
Oklahoma	51%	52%	1%
Oregon	67%	68%	1%
Pennsylvania	64%	67%	3%
Rhode Island	88%	92%	4%
South Carolina	48%	49%	1%
South Dakota	58%	59%	1%
Tennessee	43%	44%	1%
Texas	66%	67%	1%
Utah	63%	64%	1%
Vermont	88%	90%	2%
Virginia	78%	80%	2%
Washington	71%	72%	1%
West Virginia	47%	48%	1%
Wisconsin	57%	59%	2%
Wyoming	39%	39%	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). ~ 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 after 1.12.2022. Check state web sites for additional or more recent information. 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-Jurisdi/unsk-b7fc).
- 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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