

Children and COVID-19 Vaccinations Trends

**AAP Analysis of Data Posted by the Centers for Disease Control and Prevention
as of December 8, 2021**



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 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 12.8.2021

Children Ages 5-11 Years

- ☐ **4.9** million (18%) US children ages 5-11 have received **at least one dose** of COVID-19 vaccine
- ☐ Vaccination rates vary highly across states, from 4% to 47% of children 5-11 receiving their first vaccine.

Children Ages 12-17 Years

- ☐ **15.2** million (61%) US children ages 12-17 have received **at least one dose** of COVID-19 vaccine
- ☐ **12.8** million (51%) of these children are **fully vaccinated**
- ☐ At this time about **9.9** million children 12-17 have yet to receive their first COVID-19 vaccine dose. This past week about **140,000** received their first vaccine.
- ☐ Vaccination rates vary highly across states: In **14** states, at least two-thirds of 12-17 year-olds have received at least 1 dose, and in **16** states, under half have received 1 dose.



COVID-19 Vaccinations for US Children Ages 5-11

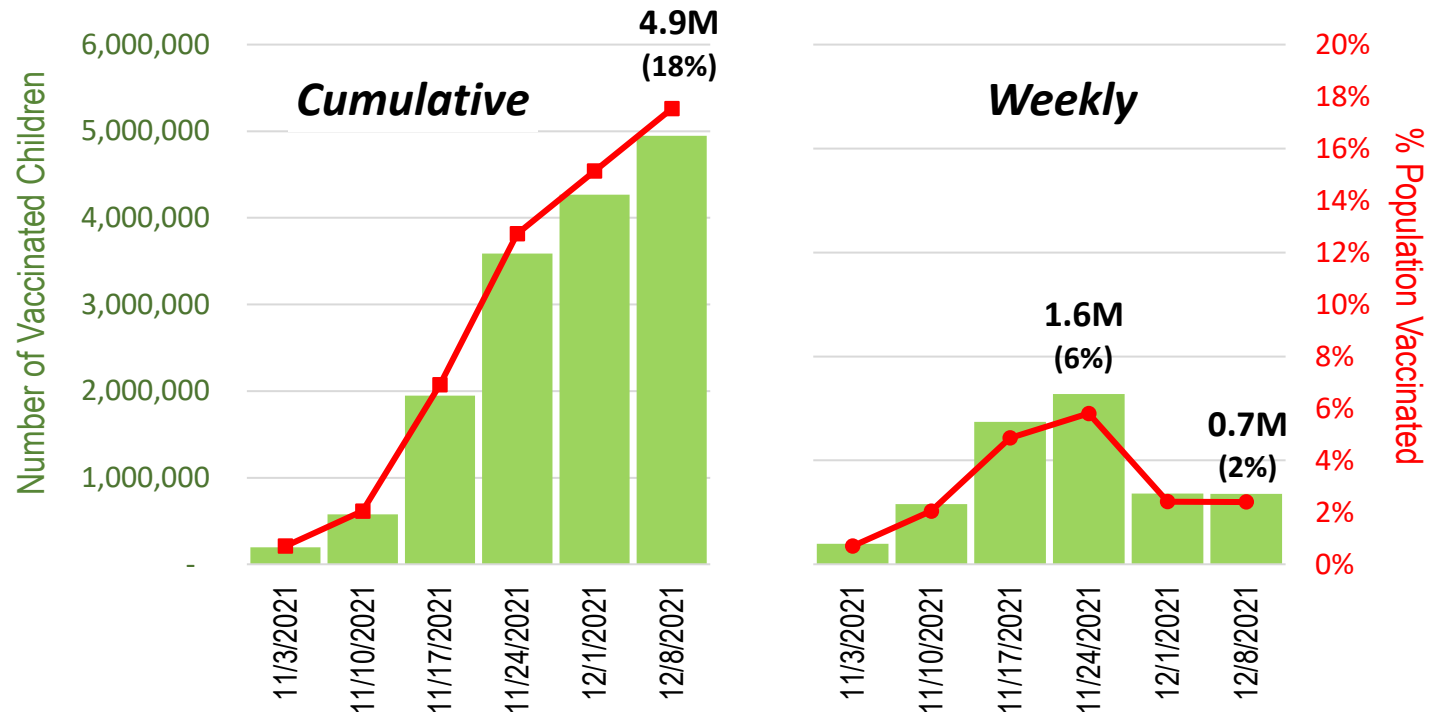
Weeks ending 11.3.21 to 12.8.21

As of December 8:

4.9 million (18%)
US children ages 5-11
had received at least
one dose of COVID-19
vaccine

Per public-use data
From the CDC

US Children Ages 5-11 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/unsk-b7fc>). Idaho information not available. Check state’s web sites for additional or more recent information.

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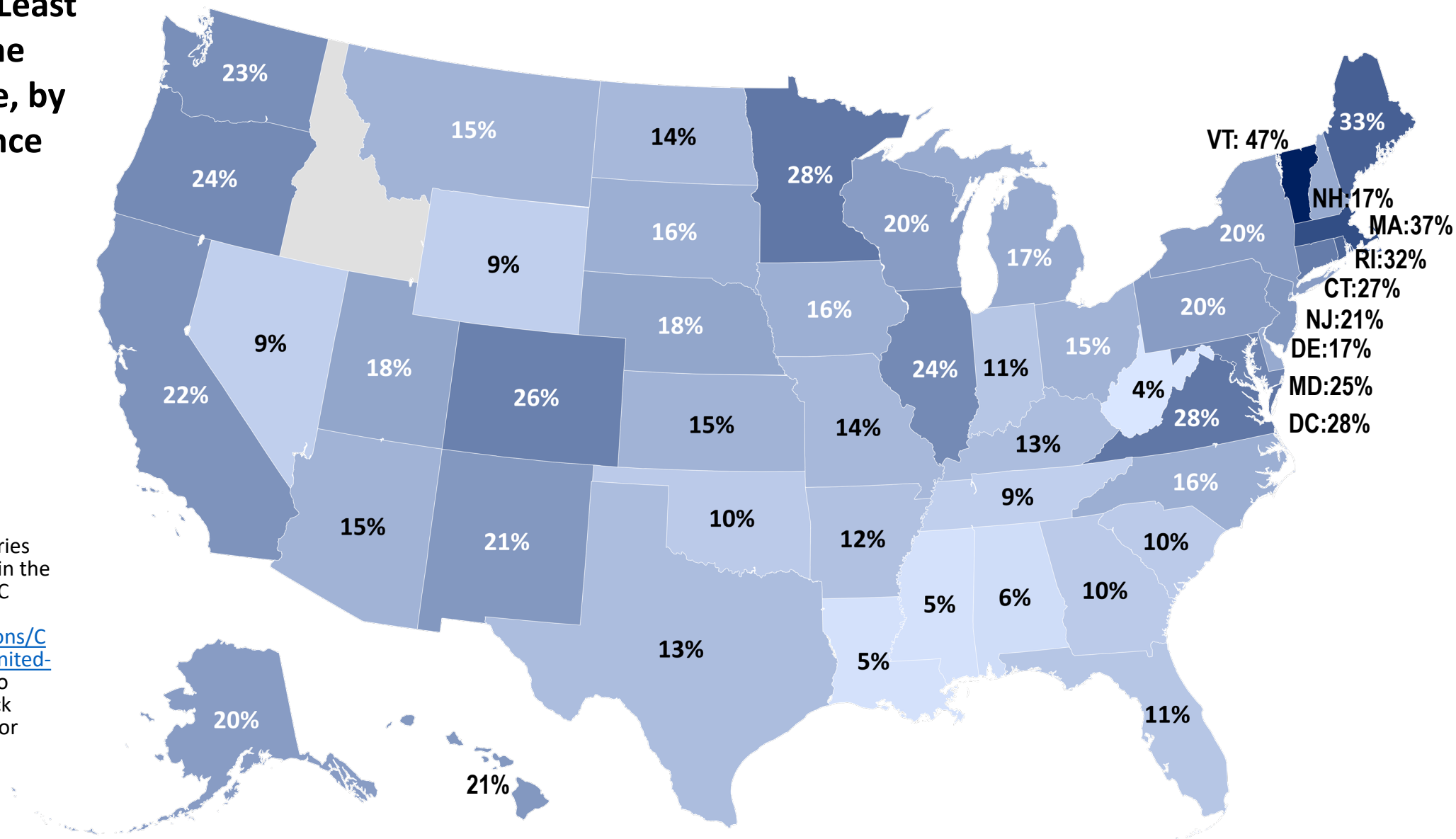


Proportion of Eligible US Children Ages 5-11 Who Received At Least One Dose of the COVID-19 Vaccine, by State of Residence

Received At Least 1 Dose



as of 12.8.21



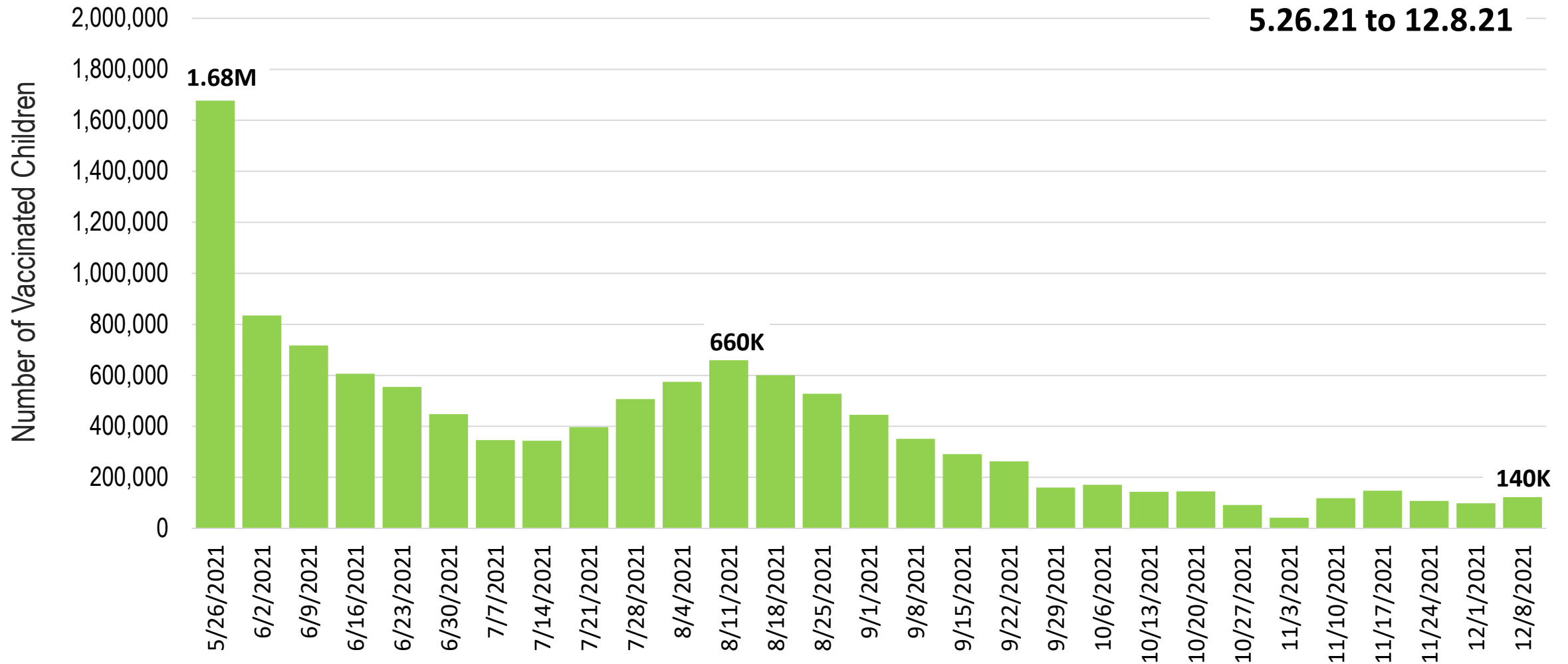
Source: AAP analysis of data series titled "COVID -19 Vaccinations in the United States, Jurisdiction". CDC COVID -19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/Covid-19-Vaccinations-in-the-United-States-Jurisdiction/unsk-b7fc>). Idaho information not available. Check state's web sites for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

At Least 1 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		
	11.17.21	12.8.21	Increase by Percentage Point		11.17.21	12.8.21	Increase by Percentage Point
50 States + DC	7%	18%	11%	Missouri	6%	14%	8%
Alabama	1%	6%	5%	Montana	5%	15%	10%
Alaska	8%	20%	12%	Nebraska	9%	18%	9%
Arizona	5%	15%	10%	Nevada	4%	9%	5%
Arkansas	5%	12%	7%	New Hampshire	7%	17%	10%
California	11%	22%	11%	New Jersey	9%	21%	12%
Colorado	14%	26%	12%	New Mexico	8%	21%	13%
Connecticut	13%	27%	14%	New York	6%	20%	14%
Delaware	6%	17%	11%	North Carolina	9%	16%	7%
District of Columbia	9%	28%	19%	North Dakota	7%	14%	7%
Florida	5%	11%	6%	Ohio	7%	15%	8%
Georgia	3%	10%	7%	Oklahoma	4%	10%	6%
Hawaii	11%	21%	10%	Oregon	12%	24%	12%
Idaho		--		Pennsylvania	9%	20%	11%
Illinois	3%	24%	21%	Rhode Island	16%	32%	16%
Indiana	4%	11%	7%	South Carolina	5%	10%	5%
Iowa	9%	16%	7%	South Dakota	3%	16%	13%
Kansas	7%	15%	8%	Tennessee	3%	9%	6%
Kentucky	6%	13%	7%	Texas	1%	13%	12%
Louisiana	2%	5%	3%	Utah	3%	18%	15%
Maine	14%	33%	19%	Vermont	18%	47%	29%
Maryland	1%	25%	24%	Virginia	15%	28%	13%
Massachusetts	18%	37%	19%	Washington	9%	23%	14%
Michigan	8%	17%	9%	West Virginia	3%	4%	1%
Minnesota	13%	28%	15%	Wisconsin	10%	20%	10%
Mississippi	2%	5%	3%	Wyoming	3%	9%	6%

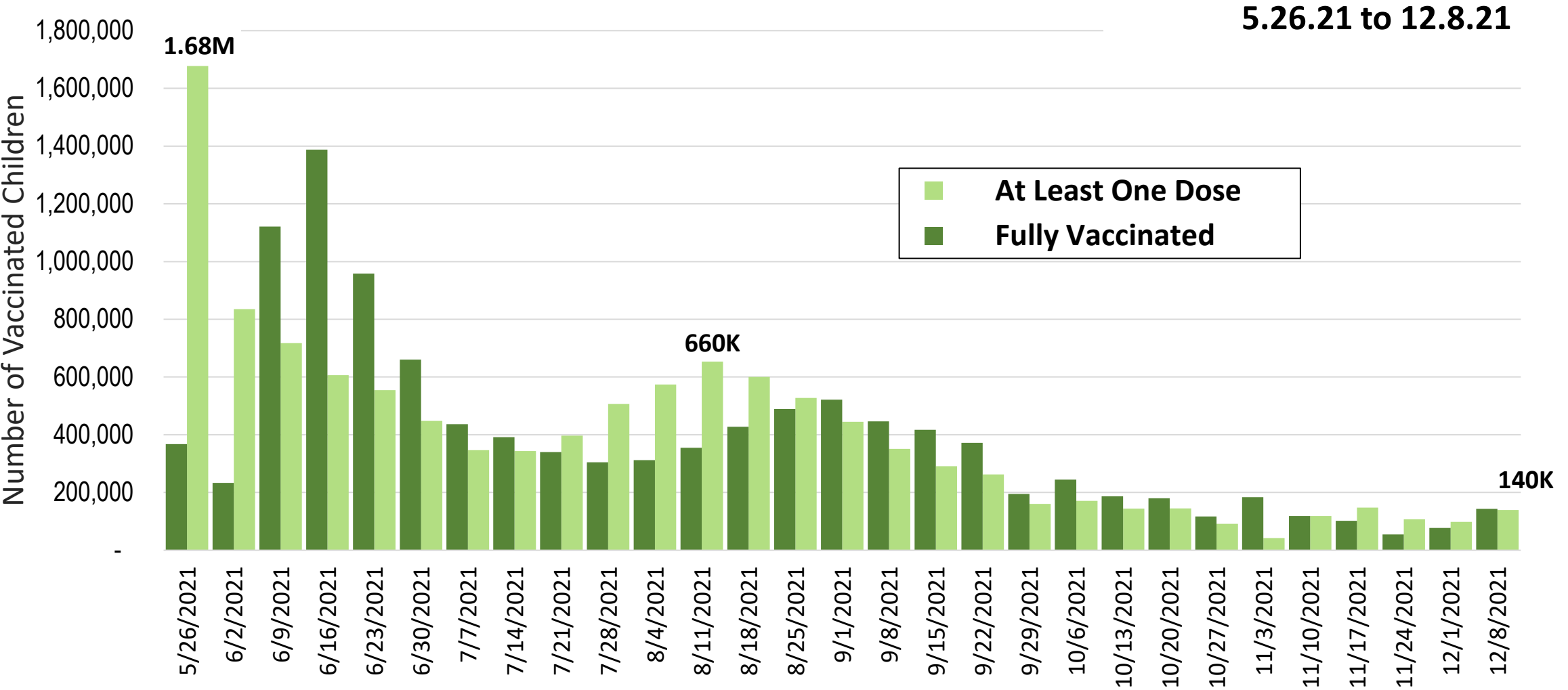
Source: AAP analysis of data series titled “COVID -19 Vaccinations in the United States, Jurisdiction”. CDC COVID -19 Data Tracker (URL: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccinations-in-the-United-States-Jurisd/uns-k-b7fc>). Idaho information not available. Check state’s web sites for additional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

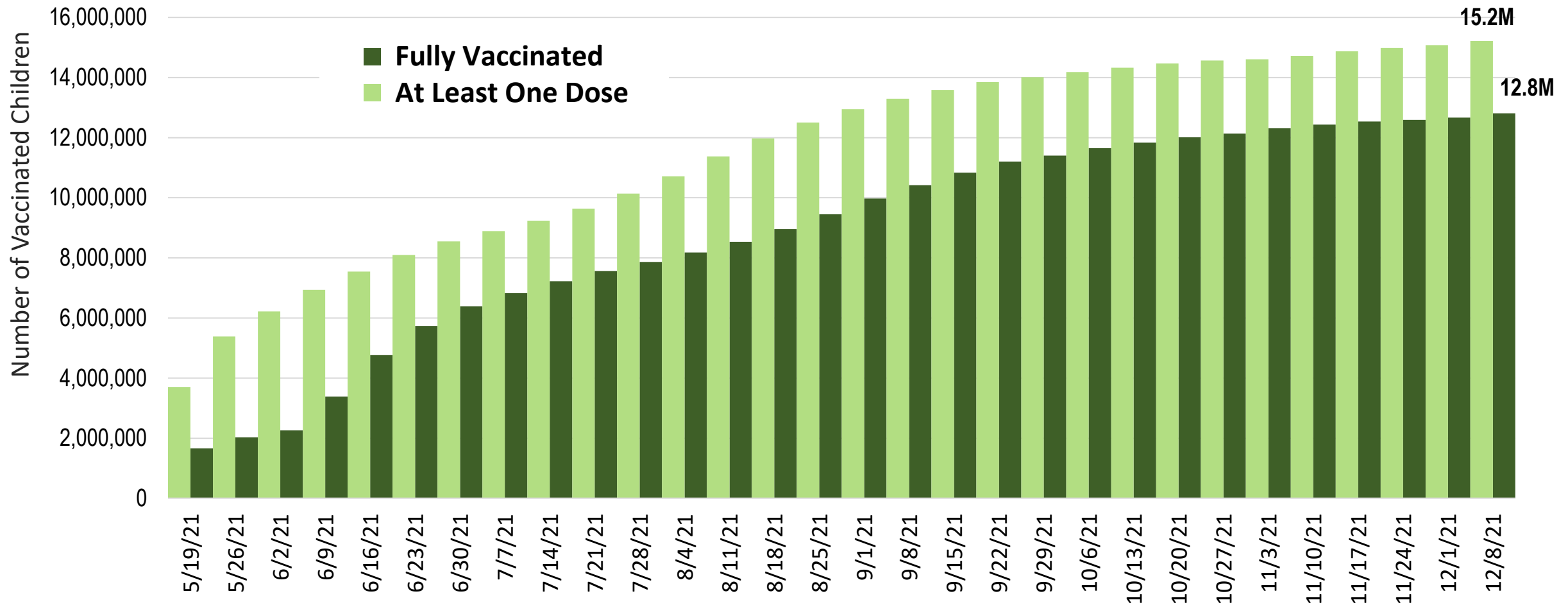
Weekly Increase in Initial and Full COVID-19 Vaccination for Eligible US Children Ages 12-17



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 12.8.21



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.

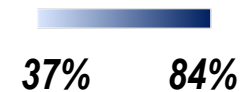
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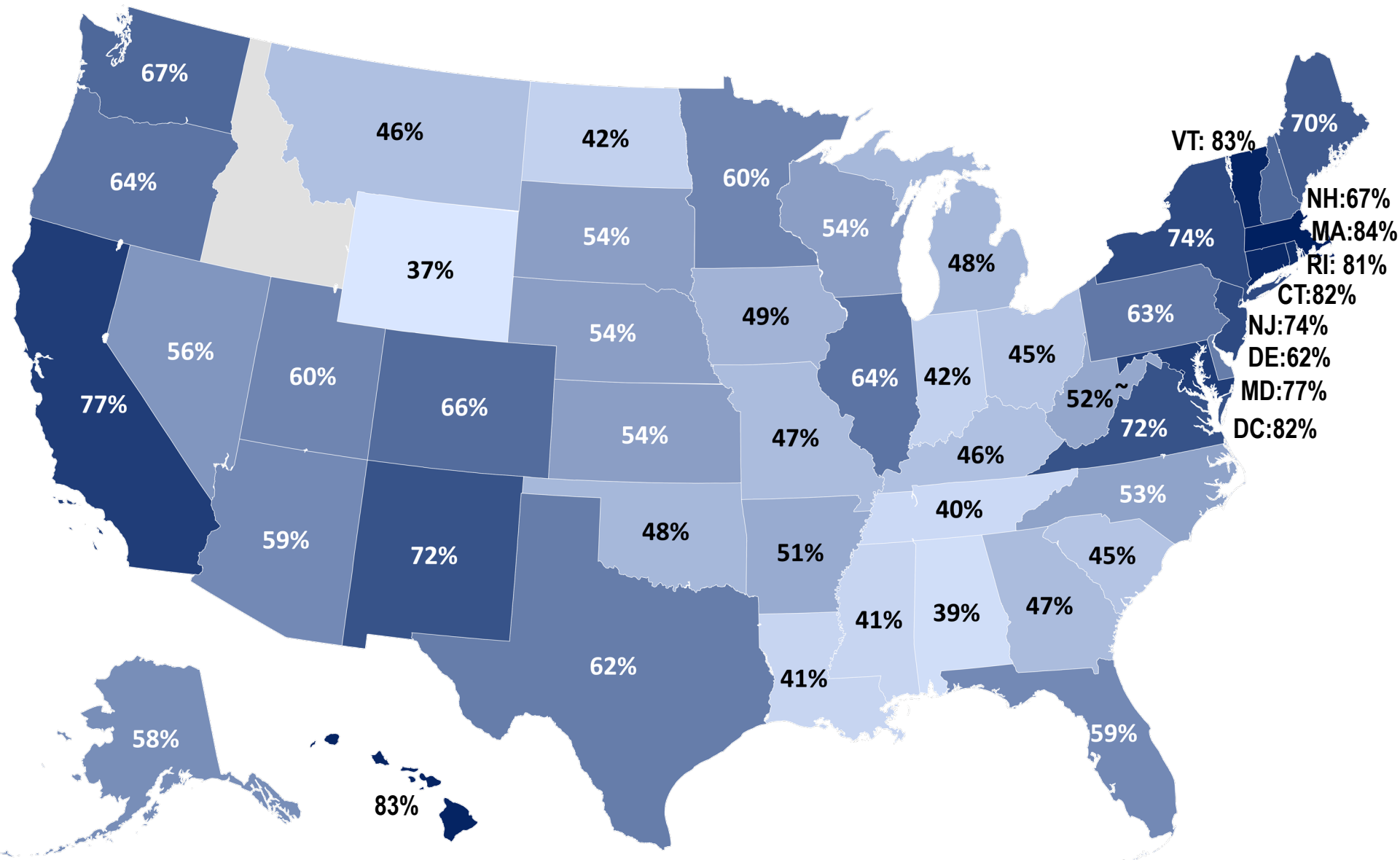


Proportion of Eligible US Children Ages 12-17 Who Received At Least One Dose of the COVID-19 Vaccine, by State of Residence

Received At Least 1 Dose



as of 12.8.21

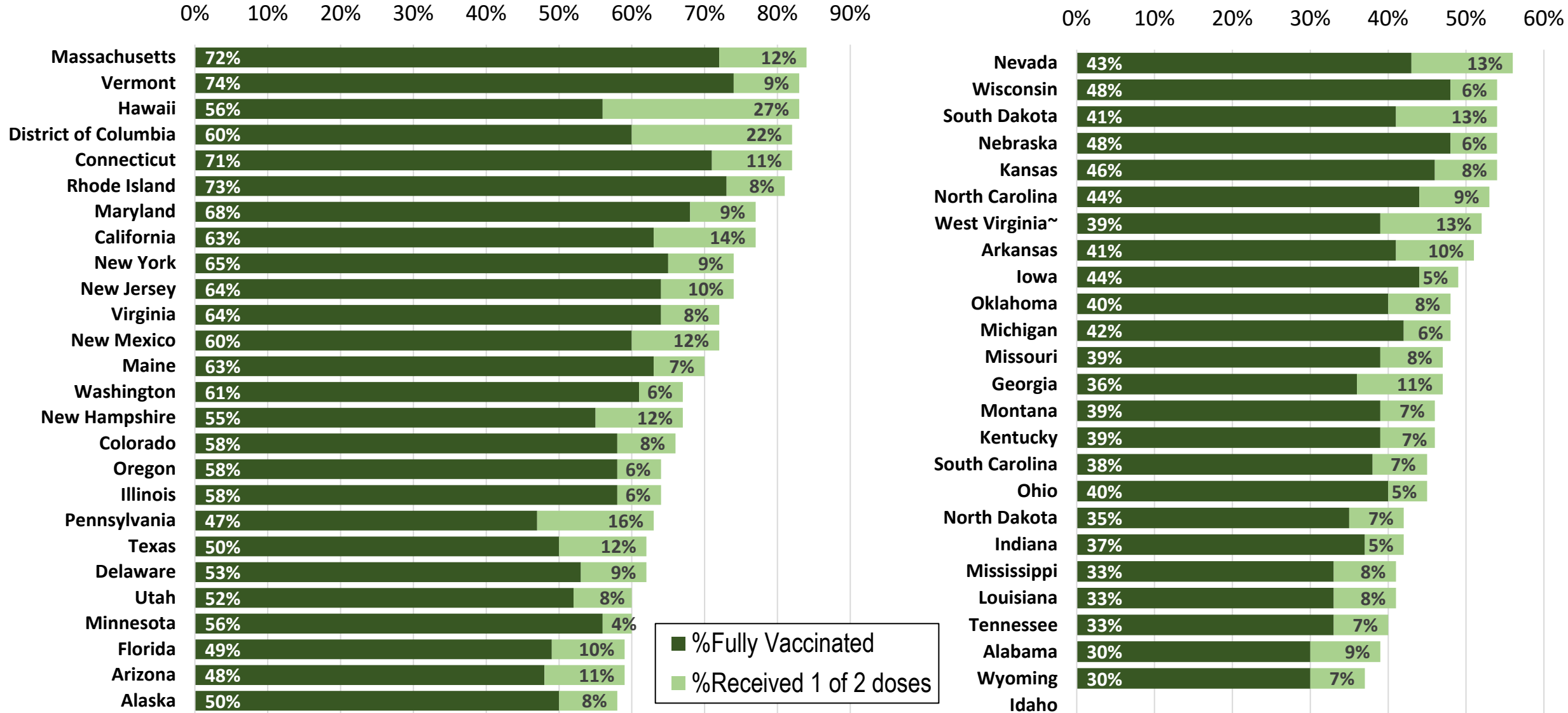


~ State reported a 48% jump in the cumulative number of 12-17 year-olds having received a first vaccine dose between 12.1.2021 (44,422) and 12.8.2021 (65,600).

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

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

as of 12.8.2021



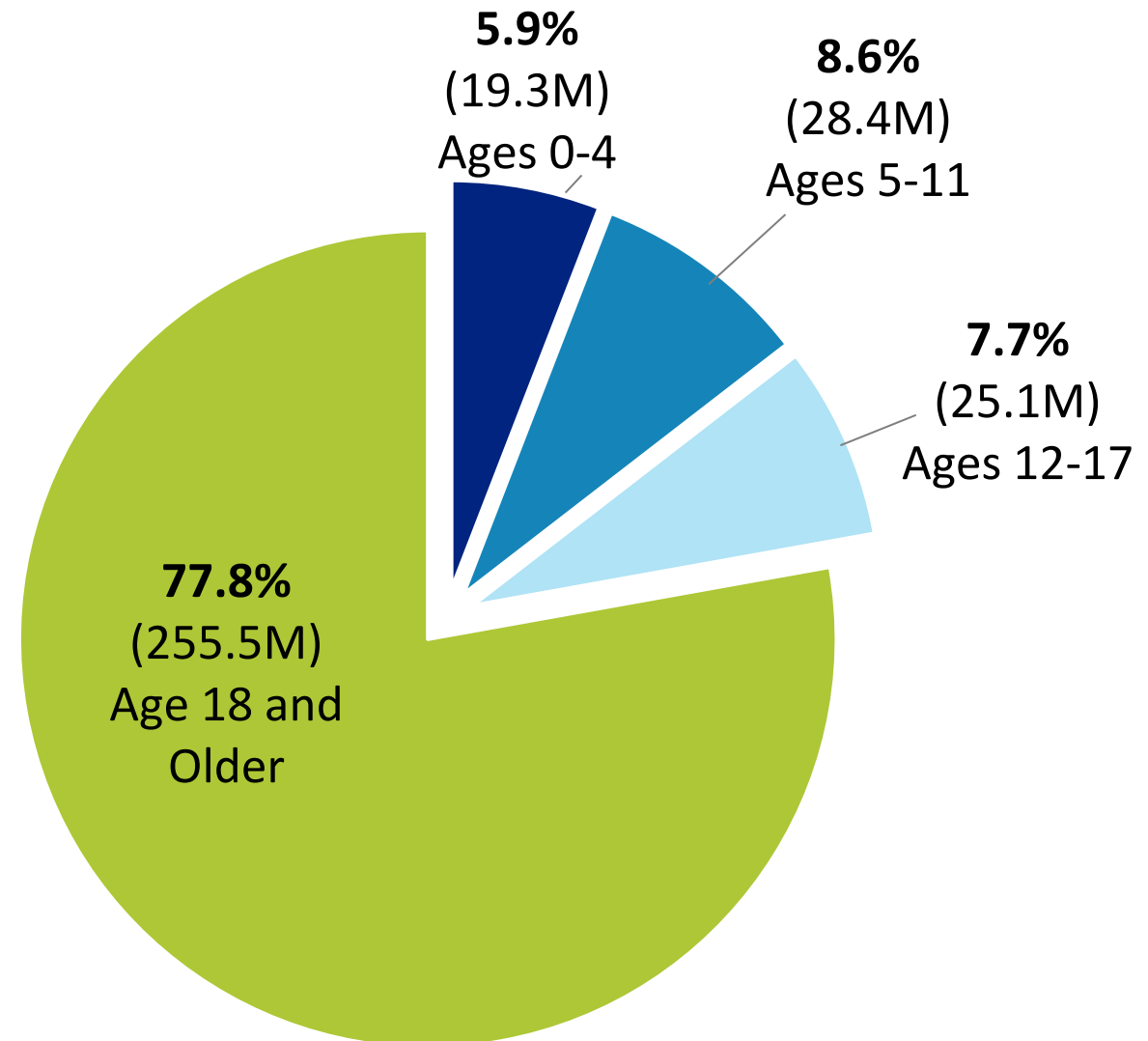
At Least 1 Dose Among Eligible US Children Ages 12-17 ---3 Week Improvement

State	%Children Having Received At Least One Dose			State (continued)	%Children Having Received At Least One Dose		
	11.17.21	12.8.21	Increase by Percentage Point		11.17.21	12.8.21	Increase by Percentage Point
50 States + DC	60%	61%	1%	Missouri	46%	47%	1%
Alabama	38%	39%	1%	Montana	45%	46%	1%
Alaska	56%	58%	2%	Nebraska	53%	54%	1%
Arizona	57%	59%	2%	Nevada	55%	56%	1%
Arkansas	49%	51%	2%	New Hampshire	65%	67%	2%
California	75%	77%	2%	New Jersey	72%	74%	2%
Colorado	64%	66%	2%	New Mexico	70%	72%	2%
Connecticut	81%	82%	1%	New York	72%	74%	2%
Delaware	61%	62%	1%	North Carolina	52%	53%	1%
District of Columbia	81%	82%	1%	North Dakota	40%	42%	2%
Florida	58%	59%	1%	Ohio	44%	45%	1%
Georgia	46%	47%	1%	Oklahoma	47%	48%	1%
Hawaii	82%	83%	1%	Oregon	63%	64%	1%
Idaho		--		Pennsylvania*		63%	
Illinois	63%	64%	1%	Rhode Island	80%	81%	1%
Indiana	42%	42%	0%	South Carolina	44%	45%	1%
Iowa	48%	49%	1%	South Dakota	52%	54%	2%
Kansas	53%	54%	1%	Tennessee	40%	40%	0%
Kentucky	45%	46%	1%	Texas	60%	62%	2%
Louisiana	40%	41%	1%	Utah	58%	60%	2%
Maine	68%	70%	2%	Vermont	81%	83%	2%
Maryland	76%	77%	1%	Virginia	71%	72%	1%
Massachusetts	82%	84%	2%	Washington	66%	67%	1%
Michigan	46%	48%	2%	West Virginia~	35%	52%	17%
Minnesota	59%	60%	1%	Wisconsin	53%	54%	1%
Mississippi	40%	41%	1%	Wyoming	36%	37%	1%

* Comparison unavailable after state revised its cumulative number of 12-17 year-olds with at least 1 dose down after 11.17.2021. ~ State reported a 48% jump in the cumulative number of 12-17 year-olds having received a first vaccine dose between 12.1.2021 (44,422) and 12.8.2021 (65,600). **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

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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