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-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.

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.

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

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

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  
12%  61%  

<table>
<thead>
<tr>
<th>State</th>
<th>12.29.21</th>
<th>1.19.22</th>
<th>Increase by Percentage Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 States + DC</td>
<td>23%</td>
<td>28%</td>
<td>5%</td>
</tr>
<tr>
<td>Alabama</td>
<td>8%</td>
<td>12%</td>
<td>4%</td>
</tr>
<tr>
<td>Alaska</td>
<td>24%</td>
<td>26%</td>
<td>2%</td>
</tr>
<tr>
<td>Arizona</td>
<td>21%</td>
<td>26%</td>
<td>5%</td>
</tr>
<tr>
<td>Arkansas</td>
<td>16%</td>
<td>20%</td>
<td>4%</td>
</tr>
<tr>
<td>California</td>
<td>28%</td>
<td>35%</td>
<td>7%</td>
</tr>
<tr>
<td>Colorado</td>
<td>32%</td>
<td>35%</td>
<td>3%</td>
</tr>
<tr>
<td>Connecticut</td>
<td>35%</td>
<td>43%</td>
<td>8%</td>
</tr>
<tr>
<td>Delaware</td>
<td>22%</td>
<td>27%</td>
<td>5%</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>35%</td>
<td>41%</td>
<td>6%</td>
</tr>
<tr>
<td>Florida</td>
<td>16%</td>
<td>20%</td>
<td>4%</td>
</tr>
<tr>
<td>Georgia</td>
<td>13%</td>
<td>17%</td>
<td>4%</td>
</tr>
<tr>
<td>Hawaii</td>
<td>32%</td>
<td>40%</td>
<td>8%</td>
</tr>
<tr>
<td>Idaho</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Illinois</td>
<td>30%</td>
<td>38%</td>
<td>8%</td>
</tr>
<tr>
<td>Indiana</td>
<td>16%</td>
<td>19%</td>
<td>3%</td>
</tr>
<tr>
<td>Iowa</td>
<td>21%</td>
<td>24%</td>
<td>3%</td>
</tr>
<tr>
<td>Kansas</td>
<td>21%</td>
<td>25%</td>
<td>4%</td>
</tr>
<tr>
<td>Kentucky</td>
<td>16%</td>
<td>20%</td>
<td>4%</td>
</tr>
<tr>
<td>Louisiana</td>
<td>8%</td>
<td>12%</td>
<td>4%</td>
</tr>
<tr>
<td>Maine</td>
<td>40%</td>
<td>44%</td>
<td>4%</td>
</tr>
<tr>
<td>Maryland</td>
<td>33%</td>
<td>40%</td>
<td>7%</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>45%</td>
<td>52%</td>
<td>7%</td>
</tr>
<tr>
<td>Michigan</td>
<td>21%</td>
<td>25%</td>
<td>4%</td>
</tr>
<tr>
<td>Minnesota</td>
<td>33%</td>
<td>38%</td>
<td>5%</td>
</tr>
<tr>
<td>Mississippi</td>
<td>6%</td>
<td>12%</td>
<td>6%</td>
</tr>
</tbody>
</table>

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

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

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

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

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

**As of 1.19.2022**

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

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

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

Data Sources and Methods


• 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).
Contact Information

• For technical questions, please contact:
  William Cull, PhD
  Senior Director, Research
  American Academy of Pediatrics
  wcull@aap.org

• For media inquiries, please contact:
  Lisa Black
  Media Relations
  American Academy of Pediatrics
  lblack@aap.org
  or
  Emily Rosenbaum
  Media Relations
  American Academy of Pediatrics
  erosenbaum@aap.org