# Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

<table>
<thead>
<tr>
<th>Age at First Dose</th>
<th>Pfizer-BioNTech COVID-19 Vaccine Products</th>
<th>Moderna COVID-19 Vaccine Products</th>
<th>Novavax COVID-19 Vaccine Product</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6 months – 4 years</strong></td>
<td>Maroon cap, 3 mcg/0.2 ml (dilute before use), 10 mcg/0.2 ml (dilute before use)</td>
<td>Blue cap/magenta label, 25 mcg/0.25 ml</td>
<td>Dark blue cap, 5 mcg/0.5 ml</td>
</tr>
<tr>
<td></td>
<td>Orange cap, 10 mcg/0.2 ml (dilute before use)</td>
<td>Blue cap/purple label, 50 mcg/0.5 ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gray cap, 30 mcg/0.3 ml (dilute before use)</td>
<td>Red cap/blue label, 100 mcg/0.5 ml</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bivalent orange cap, 10 mcg/0.2 ml (dilute before use)</td>
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</tr>
<tr>
<td></td>
<td>Bivalent gray cap, 30 mcg/0.3 ml</td>
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<tr>
<td><strong>5 years</strong></td>
<td>Orange cap, 3 mcg/0.2 ml (dilute before use)</td>
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<tr>
<td><strong>6 – 11 years</strong></td>
<td>Orange cap, 3 mcg/0.2 ml (dilute before use)</td>
<td>Blue cap/magenta label, 25 mcg/0.25 ml</td>
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<td></td>
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<tr>
<td><strong>12–17 years</strong></td>
<td>Gray cap, 3 mcg/0.2 ml (dilute before use)</td>
<td>Red cap/blue label, 25 mcg/0.25 ml</td>
<td></td>
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<td>Bivalent gray cap, 50 mcg/0.5 ml</td>
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<tr>
<td><strong>18 years and older</strong></td>
<td>Same dosing schedule as 12–17 years</td>
<td>Same dosing schedule as 12–17 years</td>
<td>Booster dose (preferred) at least 6 months after dose 2</td>
</tr>
</tbody>
</table>

*at least 2 months after completion of monovalent primary series or last monovalent booster dose.

*In limited situations where mRNA vaccine is contraindicated, unavailable, or declined.

[View online at aap.org/CovidVaccineGuide](http://aap.org/CovidVaccineGuide)
Children turning 4 to 5 years of age between Dose 1 and Dose 2 also have the option to receive a 2-dose primary series using orange cap. Is not necessary.

**CDC and AAP recommendation; FDA allows for children crossing age categories to receive either the lower or higher dose after the birthday, so if this were to occur, these doses would count and repeat vaccination is not necessary.**

*Children turning 4 to 5 years of age between Dose 1 and Dose 2 also have the option to receive a 2-dose primary series using orange cap.
# Pediatric COVID-19 Vaccine Dosing Quick Reference Guide:

## Moderately to Severely Immunocompromised Children

### Pfizer-BioNTech COVID-19 Vaccine Products

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<tr>
<th>Age at First Dose</th>
<th>Pfizer-BioNTech COVID-19 Vaccine</th>
<th>Moderna COVID-19 Vaccine</th>
<th>Novavax COVID-19 Vaccine</th>
</tr>
</thead>
</table>
| 6 months – 4 years | Dose 1: Maroon cap after dose 1  
Dose 2: Maroon cap after dose 2  
Dose 3: Maroon cap  
Bivalent dose: Maroon cap  | Dose 1: Blue cap/magenta label after dose 1  
Dose 2: Blue cap/magenta label after dose 2  
Dose 3: Blue cap/magenta label  
Bivalent dose: Blue cap/magenta label  | Dose: Dark blue cap  |
| 5 years           | Dose 1: Orange cap after dose 1  
Dose 2: Orange cap after dose 2  
Dose 3: Orange cap  
Bivalent dose: Orange cap  | Dose 1: Blue cap/magenta label after dose 1  
Dose 2: Blue cap/magenta label after dose 2  
Dose 3: Blue cap/magenta label  
Bivalent dose: Blue cap/magenta label  |  |
| 6 – 11 years      | Dose 1: Orange cap after dose 1  
Dose 2: Orange cap after dose 2  
Dose 3: Orange cap  
Bivalent dose: Orange cap  | Dose 1: Blue cap/purple label after dose 1  
Dose 2: Blue cap/purple label after dose 2  
Dose 3: Blue cap/purple label  
Bivalent dose: Blue cap/purple label  |  |
| 12 – 17 years     | Dose 1: Gray cap after dose 1  
Dose 2: Gray cap after dose 2  
Dose 3: Gray cap  
Bivalent dose: Gray cap  | Dose 1: Red cap/blue label after dose 1  
Dose 2: Red cap/blue label after dose 2  
Dose 3: Red cap/blue label  
Bivalent dose: Red cap/blue label  | Dose 1: Dark blue cap after dose 1  
Dose 2: Dark blue cap after dose 2  
Dose 3: Dark blue cap  
Bivalent dose: (preferred) at least 2 months after dose 2  
Moderna’s OR Pfizer’s  |
| 18 years and older| Same dosing schedule as 12–17 years | Same dosing schedule as 12–17 years | Novavax’s dark blue cap  |

1. At least 2 months after completion of monovalent primary series or last monovalent booster dose.
2. In limited situations where mRNA vaccine is contraindicated, unavailable, or declined.

**Primary series**  
**Booster dose**

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**Note:**
- The above information is a quick reference guide and should be used in conjunction with the latest AAP and CDC guidelines.
- View online at [aap.org/CovidVaccineGuide](http://aap.org/CovidVaccineGuide)

*Last updated October 2022*
Patients turning a different age between primary series doses: Children should receive the dose recommended for age at the time of vaccination.*

### Pfizer-BioNTech COVID-19 Vaccine Products

#### Monovalent Product
- **Maroon cap**
  - 3 mcg/0.2 ml (dilute before use)
- **Orange cap**
  - 10 mcg/0.2 ml (dilute before use)
- **Gray cap**
  - 30 mcg/0.3 ml

#### Bivalent Product
- **Bivalent orange cap**
  - 10 mcg/0.2 ml (dilute before use)
- **Bivalent gray cap**
  - 30 mcg/0.3 ml

### Moderna COVID-19 Vaccine Products

#### Monovalent Product
- **Blue cap/magenta label**
  - 25 mcg/0.25 ml
- **Blue cap/purple label**
  - 50 mcg/0.5 ml
- **Red cap/blue label**
  - 100 mcg/0.5 ml

#### Bivalent Product
- **Blue cap/gray label**
  - 25 mcg/0.25 ml

### Dose

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Primary Series Dose</th>
<th>Booster Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years turning 5 years</td>
<td>Maroon cap</td>
<td>3 weeks after dose 1 (Maroon cap) or Bivalent orange cap</td>
</tr>
<tr>
<td>11 years turning 12 years</td>
<td>Orange cap</td>
<td>3 weeks after dose 1 (Orange cap) or Bivalent orange cap</td>
</tr>
<tr>
<td>5 years turning 6 years</td>
<td>Maroon cap</td>
<td>at least 8 weeks after dose 2 (Maroon cap) or Bivalent orange cap</td>
</tr>
<tr>
<td>11 years turning 12 years</td>
<td>Orange cap</td>
<td>at least 4 weeks after dose 2 (Orange cap) or Bivalent orange cap</td>
</tr>
</tbody>
</table>

### Notes

- CDC and AAP recommendation; FDA allows for children crossing age categories to receive either the lower or higher dose after the birthday, so if this were to occur, these doses would count and repeat vaccination is not necessary.

- At least 2 months after completion of monovalent primary series or last monovalent booster dose.

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