

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN®



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 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: 50 mcg/0.5 ml

Novavax COVID-19 Vaccine Product

Monovalent Product

Dark blue cap: 5 mcg/0.5 ml

Age at

First Dose

Pfizer-BioNTech COVID-19 Vaccine

Moderna COVID-19 Vaccine

Novavax COVID-19 Vaccine

| Age at First Dose | Pfizer-BioNTech COVID-19 Vaccine | | | Moderna COVID-19 Vaccine | | | Novavax COVID-19 Vaccine | | |
|--------------------|----------------------------------|---|--|---|---|---|--------------------------------|--|--|
| 6 months – 4 years | Dose 1 Maroon cap | Dose 2 3-8 weeks after dose 1 Maroon cap | Dose 3 at least 8 weeks after dose 2 Maroon cap | Dose 1 Blue cap/magenta label | Dose 2 4-8 weeks after dose 1 Blue cap/magenta label | | | | |
| 5 years | Dose 1 Orange cap | Dose 2 3-8 weeks after dose 1 Orange cap | Dose 3 at least 5 months after dose 2 Orange cap | Dose 1 Blue cap/magenta label | Dose 2 4-8 weeks after dose 1 Blue cap/magenta label | | | | |
| 6 – 11 years | Dose 1 Orange cap | Dose 2 3-8 weeks after dose 1 Orange cap | Dose 3 at least 5 months after dose 2 Orange cap | Dose 1 Blue cap/purple label | Dose 2 4-8 weeks after dose 1 Blue cap/purple label | | | | |
| 12 – 17 years | Dose 1 Gray cap | Dose 2 3-8 weeks after dose 1 Gray cap | Bivalent dose at least 2 months after last dose [†] Bivalent gray cap | Dose 1 Red cap/blue label | Dose 2 4-8 weeks after dose 1 Red cap/blue label | Bivalent dose at least 2 months after dose 2 Pfizer's Bivalent gray cap | Dose 1 Dark blue cap | Dose 2 3-8 weeks after dose 1 Dark blue cap | Bivalent dose at least 2 months after dose 2 Pfizer's Bivalent gray cap |
| 18 years and older | Dose 1 Gray cap | Dose 2 3-8 weeks after dose 1 Gray cap | Bivalent dose at least 2 months after last dose [†] Bivalent gray cap OR Moderna's Blue cap/gray label | Dose 1 Red cap/blue label | Dose 2 4-8 weeks after dose 1 Red cap/blue label | Bivalent dose at least 2 months after last dose [†] Blue cap/gray label OR Pfizer's Bivalent gray cap | Dose 1 Dark blue cap | Dose 2 3-8 weeks after dose 1 Dark blue cap | Bivalent dose at least 2 months after dose 2 Pfizer's Bivalent gray cap OR Moderna's Blue cap/gray label |

[†]At least 2 months after completion of monovalent primary series or last monovalent booster dose.

Primary series

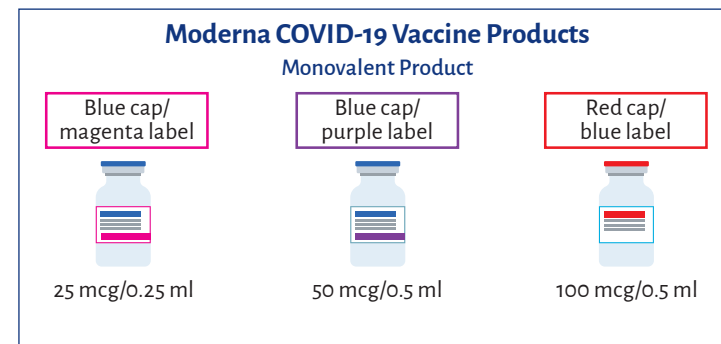
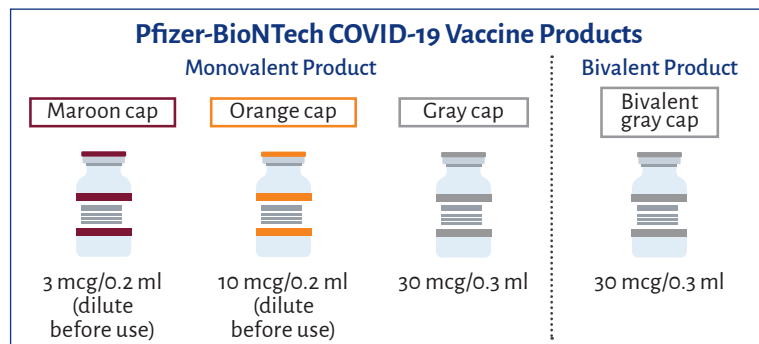
Booster dose

View online at aap.org/CovidVaccineGuide

Last updated September 2022

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

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

| | | | |
|---------------------------|-----------------------------|---|---|
| 4 years turning 5 years** | Dose 1 Maroon cap | Dose 2 3-8 weeks after dose 1 Maroon cap (if 4 years old) Orange cap (if 5 years old) | Dose 3 at least 8 weeks after dose 2 Orange cap |
| | | | |
| 11 years turning 12 years | Dose 1 Orange cap | Dose 2 3-8 weeks after dose 1 Gray cap | Bivalent dose at least 2 months after dose 2 Bivalent gray cap |

Moderna COVID-19 Vaccine

| | | | | | |
|--|---------------|----------------------------|---------------|---------------------------|-----------------------------------|
| | Dose 1 | Blue cap/ magenta label | Dose 2 | 4-8 weeks after dose 1 | Blue cap/ purple label |
| | Dose 1 | Blue cap/ purple label | Dose 2 | 4-8 weeks after dose 1 | Red cap/ blue label |
| | | | | Bivalent dose | at least 2 months after dose 2 |
| | | | | Pfizer's | Bivalent gray cap |

*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



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Bivalent Product

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: 50 mcg/0.5 ml

Novavax COVID-19 Vaccine Product

Monovalent Product

Dark blue cap: 5 mcg/0.5 ml

| Age at First Dose | Pfizer-BioNTech COVID-19 Vaccine | | | | Moderna COVID-19 Vaccine | | | | Novavax COVID-19 Vaccine | | |
|--------------------|----------------------------------|---|--|--|---|---|--|---|--------------------------------|--|--|
| 6 months–4 years | Dose 1 Maroon cap | Dose 2 3 weeks after dose 1 Maroon cap | Dose 3 at least 8 weeks after dose 2 Maroon cap | | Dose 1 Blue cap/magenta label | Dose 2 4 weeks after dose 1 Blue cap/magenta label | Dose 3 at least 4 weeks after dose 2 Blue cap/magenta label | | | | |
| 5 years | Dose 1 Orange cap | Dose 2 3 weeks after dose 1 Orange cap | Dose 3 at least 4 weeks after dose 2 Orange cap | Dose 4 at least 3 months after dose 3 Orange cap | Dose 1 Blue cap/magenta label | Dose 2 4 weeks after dose 1 Blue cap/magenta label | Dose 3 at least 4 weeks after dose 2 Blue cap/magenta label | | | | |
| 6–11 years | Dose 1 Orange cap | Dose 2 3 weeks after dose 1 Orange cap | Dose 3 at least 4 weeks after dose 2 Orange cap | Dose 4 at least 3 months after dose 3 Orange cap | Dose 1 Blue cap/purple label | Dose 2 4 weeks after dose 1 Blue cap/purple label | Dose 3 at least 4 weeks after dose 2 Blue cap/purple label | | | | |
| 12–17 years | Dose 1 Gray cap | Dose 2 3 weeks after dose 1 Gray cap | Dose 3 at least 4 weeks after dose 2 Gray cap | Bivalent dose at least 2 months after last dose† Bivalent gray cap | Dose 1 Red cap/blue label | Dose 2 4 weeks after dose 1 Red cap/blue label | Dose 3 at least 4 weeks after dose 2 Red cap/blue label | Bivalent dose at least 2 months after dose 3 Pfizer's Bivalent gray cap | Dose 1 Dark blue cap | Dose 2 3 weeks after dose 1 Dark blue cap | Bivalent dose at least 2 months after dose 2 Pfizer's Bivalent gray cap |
| 18 years and older | Dose 1 Gray cap | Dose 2 3 weeks after dose 1 Gray cap | Dose 3 at least 4 weeks after dose 2 Gray cap | Bivalent dose at least 2 months after last dose† Bivalent gray cap OR Moderna's Blue cap/gray label | Dose 1 Red cap/blue label | Dose 2 4 weeks after dose 1 Red cap/blue label | Dose 3 at least 4 weeks after dose 2 Red cap/blue label | Bivalent dose at least 2 months after last dose† Blue cap/gray label OR Pfizer's Bivalent gray cap | Dose 1 Dark blue cap | Dose 2 3 weeks after dose 1 Dark blue cap | Bivalent dose at least 2 months after dose 2 Moderna's Blue cap/gray label OR Pfizer's Bivalent gray cap |

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

Primary series

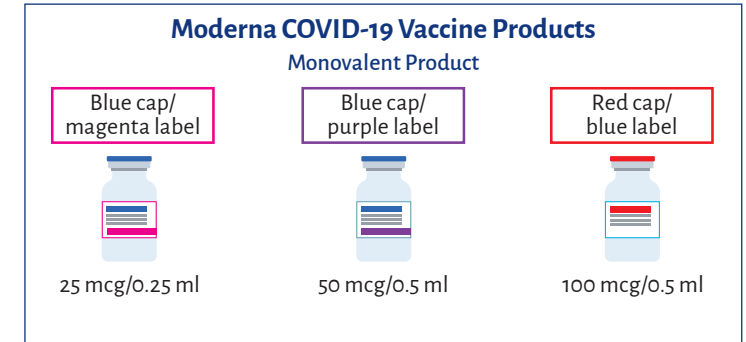
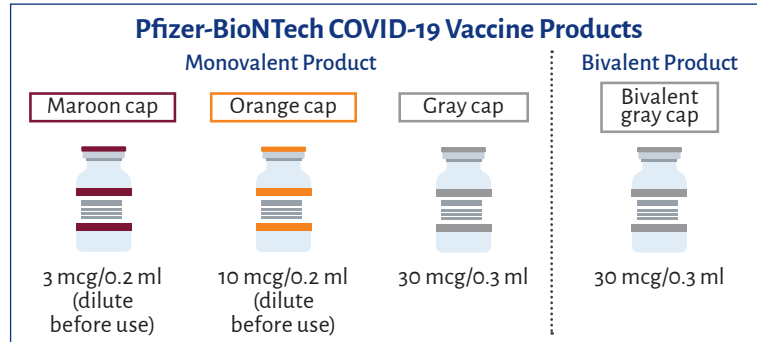
Booster dose

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| 4 years turning 5 years | Dose 1 Maroon cap | Dose 2 3 weeks after dose 1 Maroon cap (if 4 years old) Orange cap (if 5 years old) | Dose 3 at least 8 weeks after dose 2 Maroon cap (if 4 years old) at least 4 weeks after dose 2 Orange cap (if 5 years old) | Dose 4 at least 3 months after dose 3 Orange cap |
| 11 years turning 12 years | Dose 1 Orange cap | Dose 2 3 weeks after dose 1 Orange cap (if 11 years old) Gray cap (if 12 years old) | Dose 3 at least 4 weeks after dose 2 Orange cap (if 11 years old) Gray cap (if 12 years old) | Bivalent dose at least 2 months after last dose† Bivalent gray cap |

Moderna COVID-19 Vaccine

| | | | | |
|--|---|---|--|---|
| | Dose 1 Blue cap/ magenta label | Dose 2 4 weeks after dose 1 Blue cap/ magenta label (if 5 years old) Blue cap/ purple label (if 6 years old) | Dose 3 at least 4 weeks after dose 2 Blue cap/ purple label | |
| | Dose 1 Blue cap/ purple label | Dose 2 4 weeks after dose 1 Blue cap/ purple label (if 11 years old) Red cap/ blue label (if 12 years old) | Dose 3 at least 4 weeks after dose 2 Red cap/ blue label | Bivalent dose at least 2 months after last dose [†] Pfizer's Bivalent gray cap |

*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.

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