



# Bivalent COVID – 19 Vaccine Information

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## What You Need to Know



- [Everyone aged 6 years and older](#) should get **1 updated Pfizer-BioNTech or Moderna COVID-19 vaccine** to be [up to date](#).
- [People aged 65 years and older](#) may get a 2nd dose of updated Pfizer-BioNTech or Moderna COVID-19 vaccine.
- [People who are moderately or severely immunocompromised](#) may get additional doses of updated Pfizer-BioNTech or Moderna COVID-19 vaccine.
- [Children aged 6 months–5 years](#) may need multiple doses of COVID-19 vaccine to be [up to date](#), including at least 1 dose of updated Pfizer-BioNTech or Moderna COVID-19 vaccine, depending on the number of doses they've previously received and their age.
- COVID-19 vaccine recommendations will be updated as needed.

[Stay Up to Date with COVID-19 Vaccines | CDC](#)

## COVID Vaccine Guidance for Patients Ages 12 year and older Who are NOT Immunocompromised

[Clinical Guidance for COVID-19 Vaccination | CDC](#)

Ages 12 years and older

COVID-19 vaccination history	Bivalent vaccine	Number of bivalent doses indicated	Dosage (mL/ug)	Vaccine vial cap and label colors	Interval between doses*
Unvaccinated	Moderna — or —	1	0.5 mL/50 ug	Dark blue cap; gray label border	—
	Pfizer BioNTech	1	0.3 mL/30 ug	Gray	—
1 or more doses monovalent mRNA (no doses bivalent mRNA)	Moderna — or —	1	0.5 mL/50 ug	Dark blue cap; gray label border	At least 8 weeks after last monovalent dose
	Pfizer BioNTech	1	0.3 mL/30 ug	Gray	At least 8 weeks after last monovalent dose
Ever received 1 dose bivalent mRNA (regardless of monovalent vaccine history)	NA; previously received 1 bivalent vaccine dose	NA	NA	NA	NA

People ages 65 years and older have the option to receive 1 additional bivalent mRNA vaccine dose at least 4 months after the first dose of a bivalent mRNA vaccine. If Moderna is used, administer 0.5 mL/50 ug (dark blue cap and label with a gray border); if Pfizer-BioNTech is used, administer 0.3 mL/30 ug (gray cap and label with a gray border).

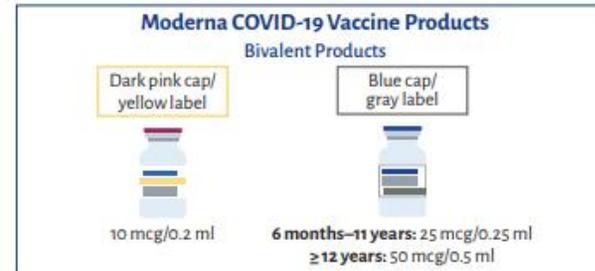
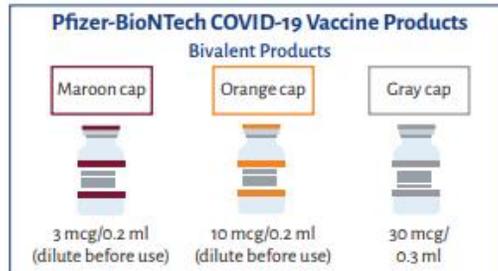
Abbreviation: NA = not authorized

# COVID Vaccine Guidance for Previously Vaccinated Patients Ages 6 months to 12 years Who are NOT Immunocompromised

[COVID Vaccine Dosing Quick Reference.pdf \(aap.org\)](#)

## Pediatric COVID-19 Vaccine Dosing Quick Reference Guide For Previously Vaccinated Individuals

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Age Group	Previously Received	What Is Recommended	
6 months – 4 years	Pfizer-BioNTech	1 previous dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> at least 3–8 weeks after last monovalent dose, and a second dose of Pfizer bivalent <b>Maroon cap</b> at least 8 weeks after dose 2.
		2 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> at least 8 weeks after the last monovalent dose.
		3 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> at least 8 weeks after the last monovalent dose.
		2 previous doses of Pfizer monovalent and 1 dose of Pfizer bivalent	No additional vaccine
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 4–8 weeks after the last monovalent dose.
		2 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Dark pink cap/yellow label</b> at least 8 weeks after the last monovalent dose.
2 previous doses of Moderna monovalent and 1 dose of bivalent		No additional vaccine	
5 years	Pfizer-BioNTech	1 or more doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> at least 8 weeks after the last monovalent dose.
		Any doses of Pfizer monovalent and a Pfizer bivalent	No additional vaccine
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 4–8 weeks after the last monovalent dose.
		2 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Dark pink cap/yellow label</b> at least 8 weeks after the last monovalent dose.
		2 doses of Moderna monovalent and a bivalent vaccine (either Moderna or Pfizer)	No additional vaccine
6 – 11 years	Only monovalent doses	1 dose of either Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 8 weeks after the last monovalent dose.	
12 years and older	Only Pfizer or Moderna monovalent doses	1 dose of either Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> or Pfizer bivalent <b>Gray cap</b> at least 8 weeks after the last monovalent dose.	
	1 or more doses of Novavax		

# Pediatric COVID-19 Vaccine Dosing Quick Reference Guide For Previously Unvaccinated Individuals who are Moderately to Severely Immunocompromised

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**Pfizer-BioNTech COVID-19 Vaccine Products**  
Bivalent Products

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

**Moderna COVID-19 Vaccine Products**  
Bivalent Product

Blue cap/  
gray label



6 months–11 years: 25 mcg/0.25 ml  
≥ 12 years: 50 mcg/0.5 ml

Age at First Dose	Pfizer-BioNTech COVID-19 Vaccine				Moderna COVID-19 Vaccine			
6 months–4 years*	<b>Dose 1</b> Maroon cap	<b>Dose 2</b> 3 weeks after dose 1 Maroon cap	<b>Dose 3</b> at least 8 weeks after dose 2 Maroon cap	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Maroon cap	<b>Dose 1</b> Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 2</b> 4 weeks after dose 1 Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 3</b> at least 4 weeks after last dose Blue cap/gray label 25 mcg/0.25 ml	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Blue cap/gray label 25 mcg/0.25 ml
5 years*	<b>Dose 1</b> Orange cap	<b>Dose 2</b> 3 weeks after dose 1 Orange cap	<b>Dose 3</b> at least 4 weeks after dose 2 Orange cap	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Orange cap	<b>Dose 1</b> Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 2</b> 4 weeks after dose 1** Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 3</b> at least 4 weeks after last dose Blue cap/gray label 25 mcg/0.25 ml	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Blue cap/gray label 25 mcg/0.25 ml or Pfizer Orange cap
6–11 years	<b>Dose 1</b> Orange cap	<b>Dose 2</b> 3 weeks after dose 1 Orange cap	<b>Dose 3</b> at least 4 weeks after dose 2 Orange cap	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Orange cap or Moderna Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 1</b> Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 2</b> 4 weeks after dose 1 Blue cap/gray label 25 mcg/0.25 ml	<b>Dose 3</b> at least 4 weeks after dose 2 Blue cap/gray label 25 mcg/0.25 ml	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Blue cap/gray label 25 mcg/0.25 ml or Pfizer Orange cap
12 and older	<b>Dose 1</b> Gray cap	<b>Dose 2</b> 3 weeks after dose 1 Gray cap	<b>Dose 3</b> at least 4 weeks after dose 2 Gray cap	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Gray cap or Moderna Blue cap/gray label 50 mcg/0.5 ml	<b>Dose 1</b> Blue cap/gray label 50 mcg/0.5 ml	<b>Dose 2</b> 4 weeks after dose 1 Blue cap/gray label 50 mcg/0.5 ml	<b>Dose 3</b> at least 4 weeks after dose 2 Blue cap/gray label 50 mcg/0.5 ml	<b>Additional dose</b> at least 8 weeks after dose 3 <sup>†</sup> Blue cap/gray label 50 mcg/0.5 ml or Pfizer Gray cap

<sup>†</sup>Further additional homologous bivalent doses may be administered at least 8 weeks after the last dose, informed by clinical judgment of the healthcare provider and person preference and circumstances.

\*For children receiving Pfizer-BioNTech vaccine who turn 4 to 5 years old during the 3 dose vaccine series, follow dosing recommendations based on age at the start of the vaccine series (3 maroon cap doses).

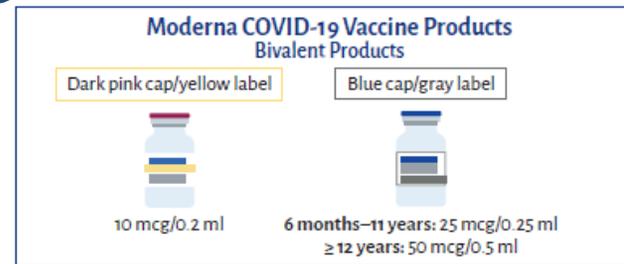
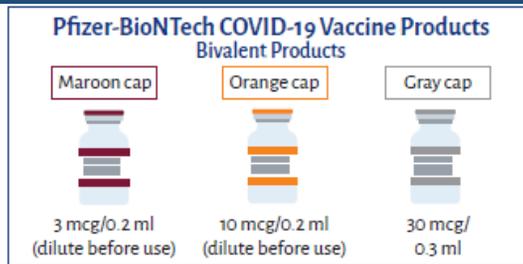
\*\*Children receiving Moderna vaccine who turn 6 years of age prior to dose 2 do not require a second dose.

<sup>†</sup>Further additional bivalent doses may be administered at least 8 weeks after the last dose, informed by clinical judgment of the healthcare provider and personal preference and circumstance.

# Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

For Previously Vaccinated Individuals who are Moderately to Severely Immunocompromised: 6 months – 5 years

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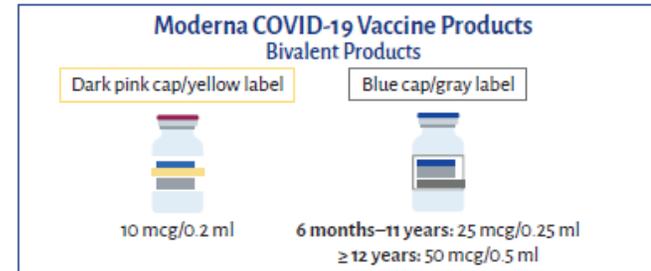
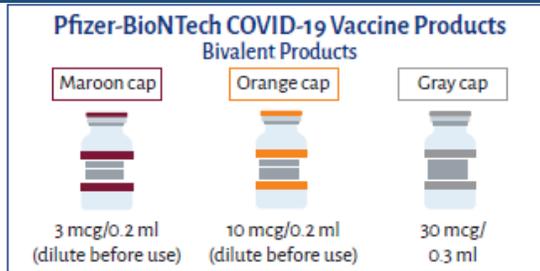


Age Group	Previously Received	What Is Recommended*	
6 months–4 years	Pfizer-BioNTech	1 previous dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> 3 weeks after last monovalent dose and Pfizer bivalent <b>Maroon cap</b> 8 weeks after dose 2.
		2 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> at least 8 weeks after the last monovalent dose.
		3 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Maroon cap</b> at least 8 weeks after the last monovalent dose.
		2 previous doses of Pfizer monovalent and 1 dose of Pfizer bivalent	See footnote.
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> 4 weeks after the last monovalent dose, and a second dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 4 weeks after dose 2.
		2 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 4 weeks after the last monovalent dose.
		3 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Dark pink cap/yellow label</b> at least 8 weeks after the last monovalent dose.
		2 previous doses of Moderna monovalent and 1 dose of bivalent	See footnote.
5 years	Pfizer-BioNTech	1 dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> 3 weeks after the last monovalent dose, and a second dose of Pfizer bivalent <b>Orange cap</b> at least 4 weeks after dose 2.
		2 dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> at least 4 weeks after the last monovalent dose.
		3 dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> at least 8 weeks after the last monovalent dose.
		Any doses of Pfizer monovalent and a Pfizer bivalent	See footnote.
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> 4 weeks after monovalent dose, and a second dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 4 weeks after Dose 2.
		2 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 4 weeks after the last monovalent dose.
		3 previous doses of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 8 weeks after the last monovalent dose.
		2 doses of Moderna monovalent and a bivalent vaccine (either Moderna or Pfizer)	See footnote.

\*An additional dose of homologous bivalent vaccine may be administered at least 8 weeks following the last bivalent dose. Further additional homologous bivalent doses may be administered at least 8 weeks after the last dose, informed by clinical judgment of the healthcare provider and personal preference and circumstances.

# Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

For Previously Vaccinated Individuals who are Moderately to Severely Immunocompromised: 6 years and older



Age Group	Previously Received	What Is Recommended*	
6–11 years	Pfizer-BioNTech	1 previous dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> or Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> 3 weeks after last monovalent dose, and second dose of Pfizer bivalent <b>Orange cap</b> or Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 4 weeks after dose 2.
		2 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> or Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 4 weeks after last monovalent dose.
		3 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Orange cap</b> or Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> at least 8 weeks after last monovalent dose.
		3 previous doses of Pfizer monovalent and 1 dose of bivalent vaccine	See footnote.
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> 4 weeks after last monovalent dose, and second dose of Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 4 weeks after dose 2.
		2 previous doses of Moderna monovalent	1 dose Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 4 weeks after last monovalent dose.
		3 previous doses of Moderna monovalent	1 dose Moderna bivalent <b>Blue cap/gray label, 25 mcg/0.25 ml</b> or Pfizer bivalent <b>Orange cap</b> at least 8 weeks after last monovalent dose.
		3 previous doses of Moderna monovalent and 1 dose of bivalent vaccine	See footnote.
12 years and older	Pfizer-BioNTech	1 previous dose of Pfizer monovalent	1 dose of Pfizer bivalent <b>Gray cap</b> or Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> 3 weeks after the last monovalent dose, and second dose of Pfizer bivalent <b>Gray cap</b> or Moderna a bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> at least 4 weeks after dose 2.
		2 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Gray cap</b> or Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> at least 4 weeks after the last monovalent dose.
		3 previous doses of Pfizer monovalent	1 dose of Pfizer bivalent <b>Gray cap</b> or Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> at least 8 weeks after the last monovalent dose.
		3 previous doses of Pfizer monovalent and 1 dose of bivalent vaccine	See footnote.
	Moderna	1 previous dose of Moderna monovalent	1 dose of Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> or Pfizer bivalent <b>Gray cap</b> 4 weeks after the last monovalent dose, and second dose of Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> or Pfizer bivalent <b>Gray cap</b> at least 4 weeks after dose 2.
		2 previous doses of Moderna monovalent	1 dose Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> or Pfizer bivalent <b>Gray cap</b> at least 4 weeks after the last monovalent dose.
		3 previous doses of Moderna monovalent	1 dose Moderna bivalent <b>Blue cap/gray label, 50 mcg/0.5 ml</b> or Pfizer bivalent <b>Gray cap</b> at least 8 weeks after the last monovalent dose.
		3 previous doses of Moderna monovalent and 1 dose of bivalent vaccine	See footnote.

\*People aged 6 years and up who are moderately to severely immunocompromised have the option to receive 1 additional dose of a bivalent mRNA vaccine at least 8 weeks following the last recommended bivalent dose. Further additional bivalent doses may be administered at least 8 weeks after the last dose, informed by clinical judgment of the healthcare provider and personal preference and circumstances.