

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide



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 maroon cap: 3 mcg/0.2 ml (dilute before use)
- 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

- Dark pink cap/yellow label: 10 mcg/0.2 ml
- Blue cap/gray label: 6–11 years: 25 mcg/0.25 ml; ≥12 years: 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	<p>Dose 1 Maroon cap</p> <p>Dose 2 3-8 weeks after dose 1 Maroon cap</p> <p>Dose 3 at least 8 weeks after dose 2 Bivalent maroon cap</p>	<p>Dose 1 Blue cap/magenta label</p> <p>Dose 2 4-8 weeks after dose 1 Blue cap/magenta label</p> <p>Booster dose at least 2 months after last dose Dark pink cap/yellow label</p>	
5 years	<p>Dose 1 Orange cap</p> <p>Dose 2 3-8 weeks after dose 1 Orange cap</p> <p>Booster dose at least 2 months after last dose[†] Bivalent orange cap</p>	<p>Dose 1 Blue cap/magenta label</p> <p>Dose 2 4-8 weeks after dose 1 Blue cap/magenta label</p> <p>Booster dose at least 2 months after last dose Dark pink cap/yellow label OR Pfizer's Bivalent orange cap</p>	
6 – 11 years	<p>Dose 1 Orange cap</p> <p>Dose 2 3-8 weeks after dose 1 Orange cap</p> <p>Booster dose at least 2 months after last dose[†] Bivalent orange cap OR Moderna's Blue cap/gray label 25 mcg/0.25 ml</p>	<p>Dose 1 Blue cap/purple label</p> <p>Dose 2 4-8 weeks after dose 1 Blue cap/purple label</p> <p>Booster dose at least 2 months after last dose Blue cap/gray label 25 mcg/0.25 ml OR Pfizer's Bivalent orange cap</p>	
12 – 17 years	<p>Dose 1 Gray cap</p> <p>Dose 2 3-8 weeks after dose 1 Gray cap</p> <p>Booster dose at least 2 months after last dose[†] Bivalent gray cap OR Moderna's Blue cap/gray label 50 mcg/0.5 ml</p>	<p>Dose 1 Red cap/blue label</p> <p>Dose 2 4-8 weeks after dose 1 Red cap/blue label</p> <p>Booster dose at least 2 months after last dose[†] Blue cap/gray label 50 mcg/0.5 ml OR Pfizer's Bivalent gray cap</p>	<p>Dose 1 Dark blue cap</p> <p>Dose 2 3-8 weeks after dose 1 Dark blue cap</p> <p>Booster dose at least 2 months after dose 2 Pfizer's Bivalent gray cap OR Moderna's Blue cap/gray label 50 mcg/0.5 ml</p>
18 years and older	Same dosing schedule as 12–17 years	Same dosing schedule as 12–17 years	<p>Dose 1 Dark blue cap</p> <p>Dose 2 3-8 weeks after dose 1 Dark blue cap</p> <p>Booster dose (preferred) at least 2 months after dose 2 Pfizer's OR Moderna's Bivalent gray cap OR Blue cap/gray label 50 mcg/0.5 ml</p> <p>Booster dose (in limited situations)* at least 6 months after dose 2 Novavax's dark blue cap</p>

[†]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.

Primary series **Booster dose**

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Pfizer-BioNTech COVID-19 Vaccine Products

Monovalent Product			Bivalent Product		
Maroon cap	Orange cap	Gray cap	Bivalent maroon cap	Bivalent orange cap	Bivalent gray cap
3 mcg/0.2 ml (dilute before use)	10 mcg/0.2 ml (dilute before use)	30 mcg/0.3 ml	3 mcg/0.2 ml (dilute before use)	10 mcg/0.2 ml (dilute before use)	30 mcg/0.3 ml

Moderna COVID-19 Vaccine Products

Monovalent Product			Bivalent Product	
Blue cap/ magenta label	Blue cap/ purple label	Red cap/ blue label	Dark pink cap/ yellow label	Blue cap/ gray label
25 mcg/0.25 ml	50 mcg/0.5 ml	100 mcg/0.5 ml	10 mcg/0.2 ml	6–11 years: 25 mcg/0.25 ml ≥ 12 years: 50 mcg/0.5 ml

	Pfizer-BioNTech COVID-19 Vaccine					Moderna COVID-19 Vaccine		
4 years turning 5 years*	Dose 1	Dose 2	Dose 3	Booster dose	5 years turning 6 years	Dose 1	Dose 2	Booster dose
	Maroon cap	3-8 weeks after dose 1 Maroon cap	at least 8 weeks after dose 2 Bivalent maroon cap	at least 2 months after dose 3 Bivalent orange cap		Blue cap/ magenta label	4-8 weeks after dose 1 Blue cap/ purple label	at least 2 months after dose 2 Blue cap/gray label 25 mcg/0.25 ml
	OR							OR Pfizer's Bivalent orange cap
	Dose 1	Dose 2	Booster dose					
	Orange cap	3-8 weeks after dose 1 Orange cap	at least 2 months after dose 2 Bivalent orange cap					
11 years turning 12 years	Dose 1	Dose 2	Booster dose		11 years turning 12 years	Dose 1	Dose 2	Booster dose
	Orange cap	3-8 weeks after dose 1 Gray cap	at least 2 months after dose 2 Bivalent gray cap	OR Moderna's Blue cap/gray label 50 mcg/0.5 ml		Blue cap/ purple label	4-8 weeks after dose 1 Red cap/ blue label	at least 2 months after dose 2 Blue cap/gray label 50 mcg/0.5 ml
								OR Pfizer's Bivalent gray cap

*Children turning 4 to 5 years of age during the primary series can follow either dosing option.

Primary series **Booster dose**

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide: Moderately to Severely Immunocompromised 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 maroon cap: 3 mcg/0.2 ml (dilute before use)
- 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

- Dark pink cap/yellow label: 10 mcg/0.2 ml
- Blue cap/gray label: 6–11 years: 25 mcg/0.25 ml; ≥ 12 years: 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 Bivalent 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 Booster dose at least 2 months after last dose Dark pink cap/yellow 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 Booster dose at least 2 months after last dose* Bivalent 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 Booster dose at least 2 months after last dose Dark pink cap/yellow label OR Pfizer's Bivalent orange cap	
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 Booster dose at least 2 months after last dose* Bivalent orange cap OR Moderna's Blue cap/gray label 25 mcg/0.25 ml	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 Booster dose at least 2 months after last dose Blue cap/gray label 25 mcg/0.25 ml OR Pfizer's Bivalent orange cap	
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 Booster dose at least 2 months after last dose* Bivalent gray cap OR Moderna's Blue cap/gray label 50 mcg/0.5 ml	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 Booster dose at least 2 months after last dose* Blue cap/gray label 50 mcg/0.5 ml OR Pfizer's Bivalent gray cap	Dose 1 Dark blue cap Dose 2 3 weeks after dose 1 Dark blue cap Booster dose at least 2 months after dose 2 Moderna's Blue cap/gray label 50 mcg/0.5 ml OR Pfizer's Bivalent gray cap
18 years and older	Same dosing schedule as 12–17 years	Same dosing schedule as 12–17 years	Dose 1 Dark blue cap Dose 2 3 weeks after dose 1 Dark blue cap Booster dose (preferred) at least 2 months after dose 2 Pfizer's OR Moderna's Bivalent gray cap OR Blue cap/gray label 50 mcg/0.5 ml Booster dose (in limited situations)* at least 6 months after dose 2 Novavax's dark blue cap

*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.

Primary series **Booster dose**

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide: Moderately to Severely Immunocompromised Children

Patients turning a different age between primary series doses: In general, children should receive the dose recommended for age at the time of vaccination.*

Pfizer-BioNTech COVID-19 Vaccine Products

Monovalent Product			Bivalent Product		
Maroon cap	Orange cap	Gray cap	Bivalent maroon cap	Bivalent orange cap	Bivalent gray cap
3 mcg/0.2 ml (dilute before use)	10 mcg/0.2 ml (dilute before use)	30 mcg/0.3 ml	3 mcg/0.2 ml (dilute before use)	10 mcg/0.2 ml (dilute before use)	30 mcg/0.3 ml

Moderna COVID-19 Vaccine Products

Monovalent Product			Bivalent Product	
Blue cap/ magenta label	Blue cap/ purple label	Red cap/ blue label	Dark pink cap/ yellow label	Blue cap/ gray label
25 mcg/0.25 ml	50 mcg/0.5 ml	100 mcg/0.5 ml	10 mcg/0.2 ml	6–11 years: 25 mcg/0.25 ml ≥ 12 years: 50 mcg/0.5 ml

	Pfizer-BioNTech COVID-19 Vaccine					Moderna COVID-19 Vaccine			
4 years turning 5 years	Dose 1 Maroon cap	Dose 2 3 weeks after dose 1 Maroon cap	Dose 3 at least 8 weeks after dose 2 Bivalent maroon cap	Booster dose at least 2 months after dose 3 Bivalent orange cap	5 years turning 6 years	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	Booster dose at least 2 months after dose 3 Blue cap/gray label 25 mcg/0.25 ml OR Pfizer's Bivalent orange cap
	Dose 1 Orange cap	Dose 2 3 weeks after dose 1 Orange cap	Dose 3 at least 4 weeks after dose 2 Orange cap	Booster dose at least 2 months after dose 3 Bivalent orange cap		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	Booster dose at least 2 months after last dose† Blue cap/gray label 50 mcg/0.5 ml OR Moderna's Blue cap/gray label 50 mcg/0.5 ml OR Pfizer's Bivalent gray 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 Gray cap	Booster dose at least 2 months after last dose† Bivalent gray cap OR Moderna's Blue cap/gray label 50 mcg/0.5 ml	11 years turning 12 years	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	Booster dose at least 2 months after last dose† Blue cap/gray label 50 mcg/0.5 ml OR 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.

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

Primary series

Booster dose