







# Pfizer-BioNTech COVID-19 Vaccine

At-A-Glance












Guidance below summarizes basic storage, preparation, scheduling, administration, and dosage for ALL Pfizer-BioNTech COVID-19 Vaccine products.

<p><b>Ages: 6 months through 4 years</b> (Maroon capped vial and bordered label)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>MONOVALENT Primary Series</b> (Dose 1 &amp; 2)</p> </div> <div style="text-align: center;">  <p><b>BIVALENT Primary Series</b> (Dose 3)</p> </div> </div>	<p><b>Ages: 5 through 11 years</b> (Orange capped vial and bordered label)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>MONOVALENT Primary Series</b></p> </div> <div style="text-align: center;">  <p><b>BIVALENT Booster Dose</b></p> </div> </div>	<p><b>Ages: 12 and older</b> (Gray capped vial and bordered label)</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p><b>MONOVALENT Primary Series</b></p> </div> <div style="text-align: center;">  <p><b>BIVALENT Booster Dose</b> Single-dose and Multidose Vials</p> </div> </div>
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## Storage and Handling Basics

Find additional guidance on storing the vaccine properly at:

- [Storage and Handling of Pfizer-BioNTech COVID-19 Vaccines | CDC](#)
  - [Vaccine Storage and Handling Toolkit-Updated with COVID-19 Vaccine Storage and Handling Information](#)
- [Pfizer-BioNTech COVID-19 Vaccines | FDA](#)
  - [Pfizer-BioNTech COVID-19 Vaccine | cvdvaccine.com](#)

Vial cap color	 Monovalent Maroon Cap	 Bivalent Maroon Cap	 Monovalent Orange Cap	 Bivalent Orange Cap	 Monovalent Gray Cap	 Bivalent Gray Cap
Ages	6 months through 4 years		5 through 11 years		12 years and older	
<b>Supplied in:</b>	MDV*: 10 doses per vial <b>Requires diluent</b>	MDV*: 10 doses per vial <b>Requires diluent</b>	MDV*: 10 doses per vial <b>Requires diluent</b>	MDV*: 10 doses per vial <b>Requires diluent</b>	MDV*: 6 doses per vial <b>No diluent</b>	MDV*: 6 doses per vial SDV*: 1 dose <b>No diluent</b>
<b>Storage Temperature: Before Puncture</b>  <b>Do NOT store vaccine in a standard freezer</b>	<p><b>Between:</b> -90°C and -60°C (-130°F and -76°F) until the expiration date<sup>†</sup> 2°C and 8°C (36°F and 46°F) for up to 10 weeks</p> <p><b>NOTE:</b> The beyond-use date (10 weeks) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use date has passed.</p>					
<b>Thawing Frozen Vaccine</b>  <b>Do NOT refreeze thawed vaccine</b>	<p><b>Between:</b> 2°C and 8°C (36°F and 46°F) OR Up to 25°C (77°F) Amount of time needed to thaw vaccine varies based on temperature and number of vials.</p>					
<b>Storage Temperature: After 1st Puncture</b>  <b>Do NOT use after 12 hours</b>	<p><b>Between:</b> 2°C and 25°C (36°F and 77°F) for up to 12 hours. Discard vial and any unused vaccine after 12 hours.</p>					

\* MDV=multidose vial; SDV=single-dose vial

† Vaccine expires 12 months after the manufacture date on the vial. Use Pfizer-BioNTech expiration date tool at [lotexpiry.cvdvaccine.com](https://lotexpiry.cvdvaccine.com)

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### Preparation and Administration Basics

Find additional guidance on preparing and administering vaccine properly at:






■ [Administration of Pfizer-BioNTech COVID-19 Vaccines | CDC](#)

■ [Vaccine Administration Resource Library | CDC](#)








■ [Pfizer-BioNTech COVID-19 Vaccines | FDA](#)

■ [Pfizer-BioNTech COVID-19 Vaccine | cvdvaccine.com](#)

### Preparation Monovalent Vaccine

Vial cap color	 Monovalent Maroon Cap	 Monovalent Orange Cap	 Monovalent Gray Cap
Ages	6 months through 4 years	5 through 11 years	12 years and older
Vial type	Multidose vial (MDV)	Multidose vial (MDV)	Multidose vial (MDV)
Diluent*	2.2 mL per vial	1.3 mL per vial	 <b>No diluent</b>
Beyond-use date/time	After mixing with diluent, use within 12 hours.		After 1st puncture, use within 12 hours.
 <b>Do NOT use a punctured multidose vial after 12 hours</b>	If using a multidose vial for the 1st time, record the date and time the vial was punctured. <b>NOTE:</b> The beyond-use time (12 hours) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use time has passed.		

### Preparation Bivalent Vaccine

Vial cap color	 Bivalent Maroon Cap	 Bivalent Orange Cap	 Bivalent Gray Cap	 Bivalent Gray Cap
Ages	6 months through 4 years	5 through 11 years	12 years and older	
Vial type	Multidose vial (MDV)	Multidose vial (MDV)	Multidose vial (MDV)	Single-dose vial (SDV)
Diluent*	2.2 mL per vial	1.3 mL per vial	 <b>No diluent</b>	 <b>No diluent</b>
Beyond-use date/time	After mixing with diluent, use within 12 hours.	After mixing with diluent, use within 12 hours.	After 1st puncture, use within 12 hours.	N/A
 <b>Do NOT use a punctured multidose vial after 12 hours</b>	If using a multidose vial for the 1st time, record the date and time the vial was punctured. <b>NOTE:</b> The beyond-use time (12 hours) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use time has passed.			Vial contains 1 dose

\* Diluent: Use sterile 0.9% sodium chloride (normal saline, preservative-free) included in the ancillary supply kit. Do not use bacteriostatic 0.9% sodium chloride or any other diluent.







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### Administration

- COVID-19 vaccine may be administered at the clinical visit as other vaccines.
- Do NOT** "pool vaccine" from more than 1 vial to obtain a dose. If a full dose cannot be withdrawn, discard the multidose vial and any remaining vaccine.
- Withdraw 1 dose from a single-dose vial. After withdrawing the dose, discard the vial and any residual vaccine. Do NOT save used single-dose vials.

Recipient's Age	Vial Cap/Label Color	Administer	Route	Needle gauge and length	Site
6 months through 4 years	 <b>Monovalent</b> Maroon cap and maroon bordered label	<b>Primary dose 1 &amp; 2</b> 3 µg/0.2 mL	IM injection	22–25 gauge, 1"	<b>6 months – 2 years of age:</b> Vastus lateralis muscle in the anterolateral thigh*
					<b>3 years and older:</b> Deltoid muscle in the upper arm†
	 <b>Bivalent</b> Maroon cap and maroon bordered label	<b>Primary dose 3</b> 3 µg/0.2 mL	IM injection	22–25 gauge, 1"	<b>6 months – 2 years of age:</b> Vastus lateralis muscle in the anterolateral thigh*
					<b>3 years and older:</b> Deltoid muscle in the upper arm†
5 through 11 years	 <b>Monovalent</b> Orange cap and orange bordered label	<b>Primary dose</b> 10 µg/0.2 mL	IM injection	22–25 gauge, 1"	Deltoid muscle in the upper arm†
	 <b>Bivalent</b> Orange cap and orange bordered label	<b>Booster dose</b> 10 µg/0.2 mL	IM injection	22–25 gauge, 1"	Deltoid muscle in the upper arm†
12 years of age and older	 <b>Monovalent</b> Gray cap and gray bordered label	<b>Primary dose</b> 30 µg/0.3 mL	IM injection	22–25 gauge, 1 – 1½"	Deltoid muscle in the upper arm†
	 <b>Bivalent</b> Gray cap and gray bordered label Single-dose Vials and Multidose Vials	<b>Booster dose</b> 30 µg/0.3 mL	IM injection	22–25 gauge, 1 – 1½"	Deltoid muscle in the upper arm†

\* The deltoid muscle in the upper arm may be used if the muscle mass is adequate.

† Vastus lateralis muscle in the anterolateral thigh may be used.

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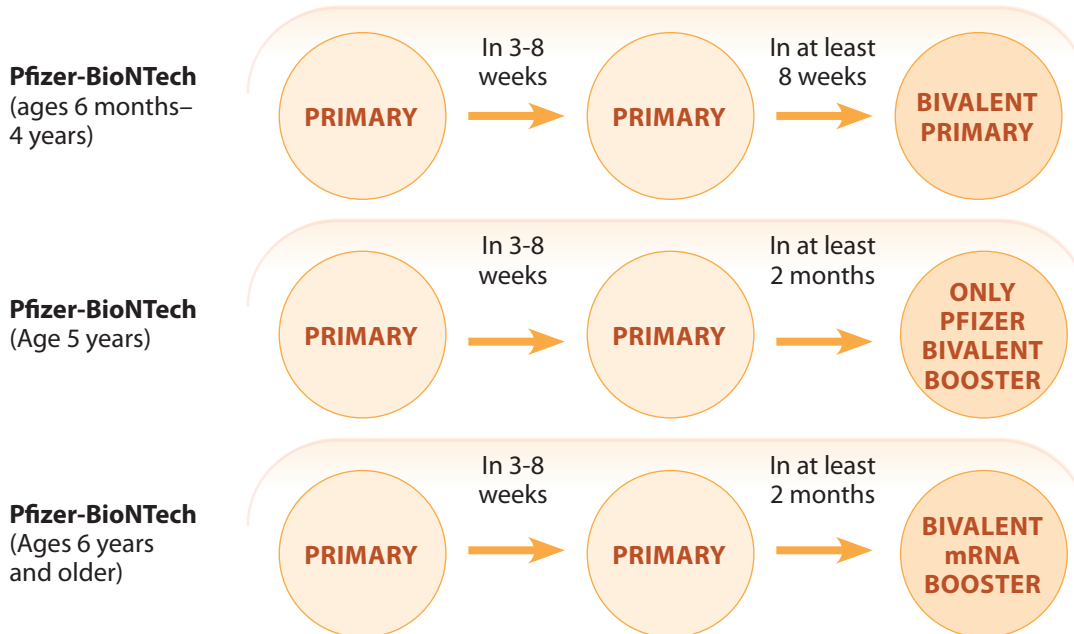
## At-A-Glance



### Scheduling Doses

Graphics below provide an overview for the number of doses of vaccine based on the type of dose (primary versus booster), recipient's age and health status. Review [CDC's Interim COVID-19 Immunization Schedule](#) for detailed clinical guidance when scheduling doses

#### For Most Persons



#### For Moderately or Severely Immunocompromised Persons

