

# 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.

**Ages: 6 months through 4 years**  
(Maroon capped vial and bordered label)



**MONOVALENT**  
Primary Series

**Ages: 5 through 11 years**  
(Orange capped vial and bordered label)



**MONOVALENT**  
Primary Series



**BIVALENT**  
Booster Dose

**Ages: 12 and older**  
(Gray capped vial and bordered label)



**MONOVALENT**  
Primary Series



**BIVALENT**  
Booster Dose

## Storage and Handling Basics

Find additional guidance on storing the vaccine properly at:

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

Vial cap color	Monovalent 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 multidose vial</b>	10 doses per vial <b>Requires diluent</b>	10 doses per vial <b>Requires diluent</b>	10 doses per vial <b>Requires diluent</b>	6 doses per vial <b>No diluent</b>	6 doses per vial <b>No diluent</b>
<b>Storage Temperature: Before Puncture</b> <b>Do NOT store vaccine in a standard freezer</b>	<b>Between:</b> -90°C and -60°C (-130°F and -76°F) until the expiration date* 2°C and 8°C (36°F and 46°F) for up to 10 weeks <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.				
<b>Thawing Frozen Vaccine</b> <b>Do NOT refreeze thawed vaccine</b>	<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.				
<b>Storage Temperature: After 1st Puncture</b> <b>Do NOT use after 12 hours</b>	<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.				

\* 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

Vial cap color	 Monovalent 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
Diluent*	2.2 mL per vial	1.3 mL per vial	1.3 mL per vial	 No diluent	 No diluent
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 vial after 12 hours</b>	If using a 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.				

\* 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.

### 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 vial and any remaining vaccine.

Recipient's Age	Use	Administer	Route	Needle gauge and length	Site
6 months through 4 years	 Monovalent Maroon cap and maroon bordered label	<b>Primary dose</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 <sup>†</sup>
					<b>3 years and older:</b> Deltoid muscle in the upper arm <sup>‡</sup>
5 – 11 years	 Monovalent 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 <sup>‡</sup>
	 Bivalent Orange cap and orange bordered label	<b>Booster dose</b> 10 µg/0.2 mL			
12 years of age and older	 Monovalent 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 <sup>‡</sup>
	 Bivalent Gray cap and gray bordered label	<b>Booster dose</b> 30 µg/0.3 mL			

<sup>†</sup> The deltoid muscle in the upper arm may be used if the muscle mass is adequate.

<sup>‡</sup> Vastus lateralis muscle in the anterolateral thigh may be used.

# Pfizer-BioNTech COVID-19 Vaccine

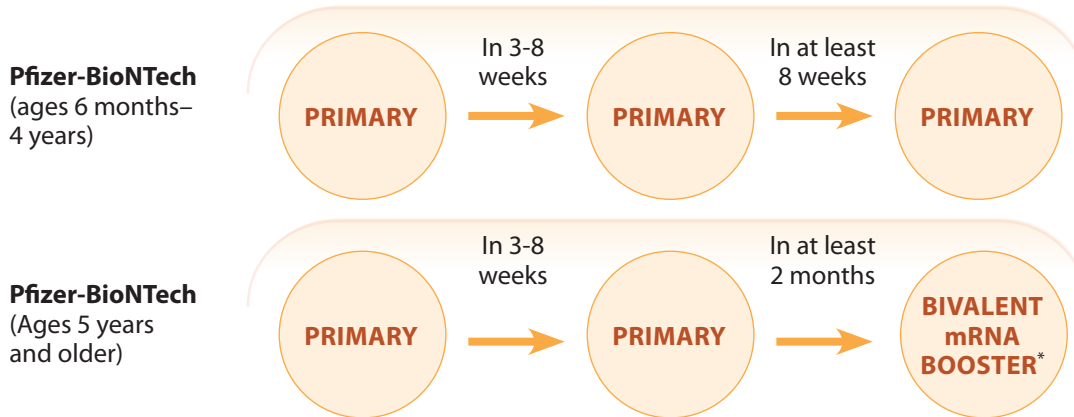
## At-A-Glance



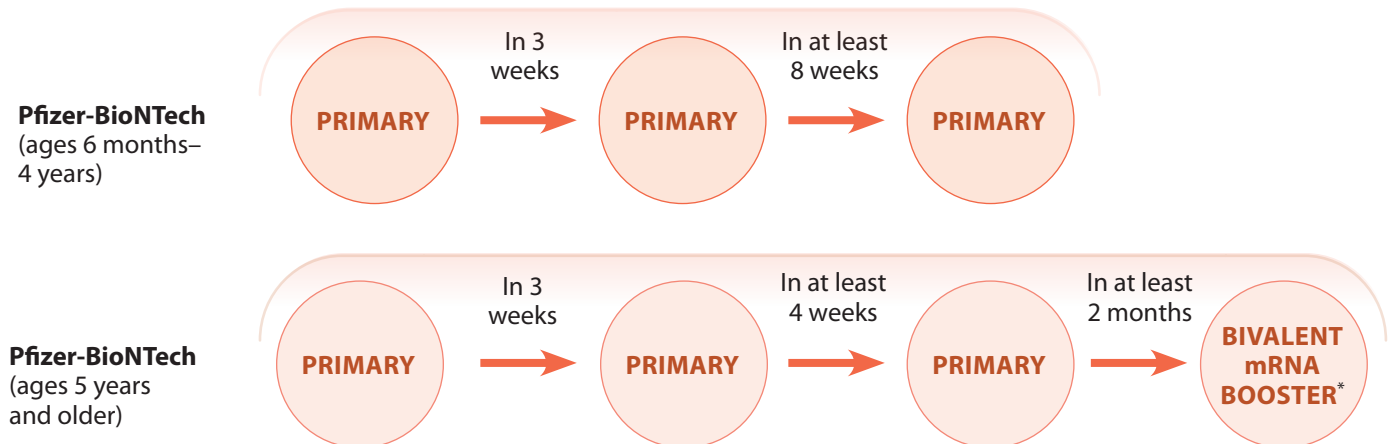
### Scheduling Doses

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



\* Administer an age-appropriate mRNA bivalent booster (i.e., Pfizer-BioNTech for people age 5 years and either Pfizer-BioNTech or Moderna for people ages 6 years and older). For people who previously received a monovalent booster dose(s), the bivalent booster dose is administered at least 2 months after the last monovalent booster dose.