


# Moderna COVID-19 Vaccine

At-A-Glance





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

 **Ages: 6 months through 5 years MONOVALENT**  
(blue capped vial with magenta-bordered label)

 **Ages: 6 months through 5 years BIVALENT**  
(pink capped vial with yellow-bordered label)

 **Ages: 6 through 11 years MONOVALENT**  
(blue capped vial with purple-bordered label)









 **Ages: 12 years and older MONOVALENT**  
(red capped vial with blue-bordered label)

 **Ages: 6 years and older BIVALENT**  
(blue capped vial with gray-bordered label)

## Storage and Handling Basics

Find additional guidance on storing vaccine properly at:

- [Storage and Handling of Moderna COVID-19 Vaccines | CDC](#)
- [Vaccine Storage and Handling Toolkit — Updated with COVID-19 Vaccine Storage and Handling Information](#)
- [Moderna COVID-19 Vaccines | FDA](#)
- [Moderna COVID-19 Vaccines | FDA](#)

Vial cap color	 <b>Monovalent Blue capped vials with magenta-bordered label</b>	 <b>Bivalent Pink capped vials with yellow-bordered label</b>	 <b>Monovalent Blue capped vial with purple-bordered label</b>	 <b>Monovalent Red capped vial with blue-bordered label</b>	 <b>Bivalent Dark blue capped vial with gray-bordered label</b>
Supplied in multidose vial	10 doses per vial	<b>2 doses per vial</b> <b>These vials should not be confused with single dose vials.</b> Once 2 doses have been removed, discard the vial.	5 doses per vial	10 primary doses	<b>6 through 11 years of age:</b> 10 doses per vial <b>12 years of age and older:</b> 5 doses per vial
<b>Storage Temperature: Before Puncture</b>  <b>Do NOT store vaccine in an ultra cold freezer.</b>	<b>Between:</b> -50°C and -15°C (-58°F and 5°F) until the expiration date 2°C and 8°C (36°F and 46°F) for up to 30 days 8°C and 25°C (46° and 77°F) for a total of 24 hours. Discard vial and unused vaccine after 24 hours. <b>NOTE:</b> The beyond-use date (30 days) 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 15°C and 25°C (46°F and 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 beyond-use date times.</b>	<b>Between:</b> 2°C and 25°C (36°F and 77°F) for up to: <ul style="list-style-type: none"> <li>▪ <b>8 hours</b> - bivalent vaccine for ages 6 months through 5 years (pink capped with yellow bordered label)</li> <li>▪ <b>12 hours</b> - all other Moderna COVID-19 vaccine products</li> </ul> Discard vial and any unused vaccine after these time frames.				

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### Preparation and Administration Basics

Find additional guidance on preparing and administering vaccine properly at:






- Administration of Moderna COVID-19 Vaccines | CDC
- Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC
- Vaccine Administration Resource Library | CDC
- Moderna COVID-19 Vaccines | FDA
- Moderna (modernacovid19global.com)

### Preparation

Vial cap color	 Monovalent Blue capped vials with magenta-bordered label	 Bivalent Pink capped vials with yellow-bordered label	 Monovalent Blue capped vial with purple-bordered label	 Monovalent Red capped vial with blue-bordered label	 Bivalent Dark blue capped vial with gray-bordered label
Ages	6 months through 5 years		6 through 11 years	12 years and older	6 years and older
Beyond-use date/time	After first puncture, use within 12 hours	After first puncture, use within 8 hours	After first puncture, use within 12 hours		
 Do NOT use a punctured vial beyond-use date times.	If using a vial for the 1st time, record the date and time the vial was punctured. <b>NOTE:</b> The beyond-use time 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.				

### 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 5 years of age	 Monovalent Blue capped vial with magenta-bordered label	<b>Primary series:</b> 25 µg/ 0.25 mL	IM injection	22–25 gauge, 1"	<b>6 months – 2 years of age:</b> Vastus lateralis muscle in the anterolateral thigh* <b>3 - 5 years of age:</b> Deltoid muscle in the upper arm†
	 Bivalent Pink capped vial with Yellow-bordered label	<b>Booster Dose only:</b> 10 µg/ 0.2 mL <b>NOTE:</b> This vial contains 2 doses.	IM injection	22–25 gauge, 1"	<b>6 months – 2 years of age:</b> Vastus lateralis muscle in the anterolateral thigh* <b>3 - 5 years of age:</b> Deltoid muscle in the upper arm†
6 through 11 years	 Monovalent Blue capped vial with purple-bordered label	<b>Primary series:</b> 50 µg/0.5 mL	IM Injection	22–25 gauge, 1"	Deltoid muscle in the upper arm†
12 years or older	 Monovalent Red capped vial with blue-bordered label	<b>Primary series:</b> 100 µg/ 0.5 mL	IM injection	22–25 gauge, 1 – 1½"	Deltoid muscle in the upper arm†
6 years or older	 Bivalent Dark blue capped vial with gray-bordered label	<b>Booster dose only:</b>	IM injection	22–25 gauge, 1 – 1½"	Deltoid muscle in the upper arm†
		<b>6-11 years:</b> 25 µg / 0.25 mL <b>12 years and older:</b> 50 µg / 0.5 mL			

\* 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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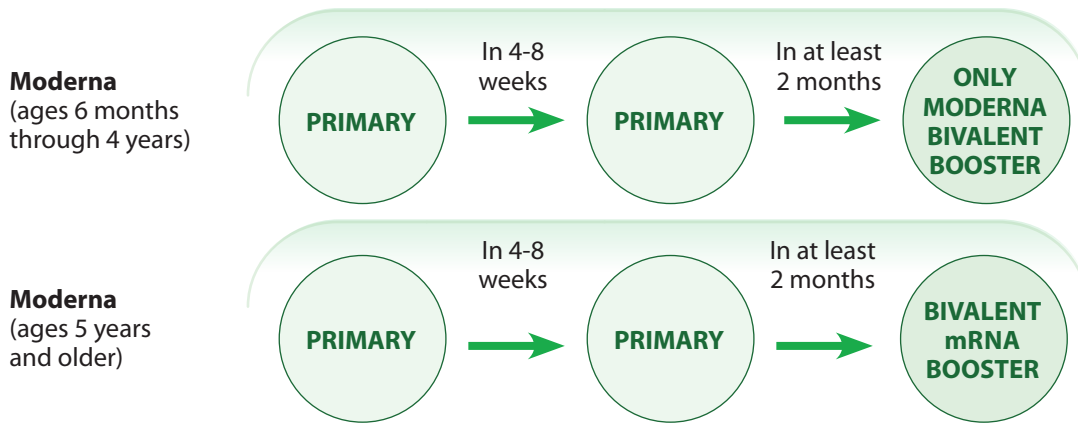
## At-A-Glance



### 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

