Moderna COVID-19 Vaccine At-A-Glance
Ages 6 months and older

The tables below summarize basic storage, preparation, scheduling, administration, and dosage for Moderna COVID-19 Vaccine.

### Storage and Handling Basics

**NOTE:** Find additional guidance on storing the vaccine properly at:
- CDC’s Storage and Handling Toolkit: [www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf](http://www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf)

<table>
<thead>
<tr>
<th>Vial cap color</th>
<th>Blue vial cap with magenta bordered label</th>
<th>Blue vial cap with purple-bordered label</th>
<th>Red vial cap with blue bordered label</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ages</td>
<td>6 months through 5 years</td>
<td>6 years through 11 years</td>
<td>12 years and older</td>
</tr>
</tbody>
</table>
|                | Supplied in multidose vial               | 10 doses per vial                       | 5 doses per vial                     | Per vial:  
- 10 primary doses (0.5 mL) or  
- 20 booster doses (0.25 mL)  
- 20 doses: Combination of primary series and booster doses  
Discard vial and any remaining vaccine after 20 punctures. |
| Storage        |                                           |                                         |                                      |
| Temperature:   |                                           |                                         |                                      |
| Before Puncture|                                           |                                         |                                      |
| Between:       |                                           |                                         |                                      |
| -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. |
| Thawing Frozen |                                           |                                         |                                      |
| Vaccine        |                                           |                                         |                                      |
| Do NOT refreeze thawed vaccine. |                   |                                         |                                      |
| Between:       |                                           |                                         |                                      |
| 2°C and 8°C (36°F and 46°F) for 2 hours. Let each vial stand at room temperature for 15 minutes before administering.  
OR  
15°C and 25°C (46°F and 77°F) for 45 minutes. |
| Storage        |                                           |                                         |                                      |
| Temperature:   |                                           |                                         |                                      |
| After Puncture |                                           |                                         |                                      |
| Between:       |                                           |                                         |                                      |
| 2°C and 25°C (36°F and 77°F) for up to 12 hours.  
Discard vial and any unused vaccine after 12 hours. |
## Preparation and Administration Basics

**NOTE:** Find additional guidance on properly preparing and administering the vaccine at:
- CDC’s Vaccine administration library: [www.cdc.gov/vaccines/hcp/admin/resource-library.html](http://www.cdc.gov/vaccines/hcp/admin/resource-library.html)

## Preparation and 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

<table>
<thead>
<tr>
<th>Recipient’s Age</th>
<th>Use</th>
<th>Beyond-Use Date/Time</th>
<th>Administer</th>
<th>Route</th>
<th>Needle gauge and length</th>
<th>Site</th>
</tr>
</thead>
</table>
| 6 months through 5 years of age       | Blue vial cap with magenta-bordered label | Use within 12 hours of first puncture.  

Do NOT use vaccine after 12 hours.  

Primary series: 0.25 mL  

IM injection  

22–25 gauge, 1”  

6 months – 2 years of age: Vastus lateralis muscle in the anterolateral thigh*  

3 - 5 years of age: Deltoid muscle in the upper arm† |
| 6 through 11 years                     | Blue vial cap with purple-bordered label | Use within 12 hours of first puncture.  

Do NOT use vaccine after 12 hours.  

Primary series: 0.5 mL  

IM Injection  

22–25 gauge, 1”  

Deltoid muscle in the upper arm† |
| 12 years and older                    | Red vial cap with blue-bordered label | Use within 12 hours of first puncture.  

Vial may be punctured up to 20 times.  

Do not use vaccine after 12 hours or 20 punctures.  

Primary series: 0.5 mL  

Booster dose: 0.25 mL (for persons 18 years of age and older only)  

IM injection  

22–25 gauge, 1 – 1½”  

Deltoid muscle in the upper arm† |

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* 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.
For Moderately or Severely Immunocompromised Persons

Modernas (ages 6 months–17 years)

- DOSE 1 (primary)
  - In 4 weeks
  - DOSE 2 (primary)
  - In at least 4 weeks
  - DOSE 3 (primary)

Modernas (ages 18 years and older)

- DOSE 1 (primary)
  - In 4 weeks
  - DOSE 2 (primary)
  - In at least 4 months
  - DOSE 3 (primary)

* Age-appropriate mRNA COVID-19 vaccines are preferred over Janssen COVID-19 Vaccine for primary and booster vaccination. Janssen COVID-19 Vaccine should only be used in limited situations. See: www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#considerations-Janssen.

† 2nd booster dose for some groups.