Moderna COVID-19 Vaccines
Vaccine Preparation and Administration Summary

General information

<table>
<thead>
<tr>
<th>Composition</th>
<th>Age Indications</th>
<th>Cap/label border</th>
<th>Diluent</th>
<th>Use For</th>
<th>Dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monovalent</td>
<td>6 months through 5 years</td>
<td>Blue vial cap Magenta-bordered label</td>
<td>NONE</td>
<td>Primary series doses</td>
<td>25 µg/0.25 mL</td>
</tr>
<tr>
<td>Monovalent</td>
<td>6 through 11 years</td>
<td>Blue vial cap Purple-bordered label</td>
<td>NONE</td>
<td>Primary series dose</td>
<td>50 µg/0.5 mL</td>
</tr>
<tr>
<td>Monovalent</td>
<td>12 years and older</td>
<td>Red vial cap Blue-bordered label</td>
<td>NONE</td>
<td>Primary series doses</td>
<td>100 µg/0.5 mL</td>
</tr>
</tbody>
</table>
| Bivalent    | 6 years and older | Blue vial cap Gray-bordered label | NONE     | Booster doses      | 6 through 11 years: 25 µg/0.25 mL  
12 years and older: 50 µg/0.5 mL |

* Moderna COVID-19 Vaccine supplied in a vial with a dark blue cap and a label with a teal border stating “Age 6y through 11y” is currently not available. Moderna COVID-19 Vaccine supplied in a vial with a dark blue cap and a label with a purple border stating “BOOSTER DOSES ONLY Booster dose: 0.5ml” is FDA-authorized for use in children ages 6–11 years as a primary series dose. It is not authorized for the booster dose.

Schedule

Use the Interim Schedule for Persons 6 Months of Age and Older to determine if a dose is needed or schedule doses.

Preparation and Administration

Remove vaccine from the storage unit.

- If the vaccine is frozen, allow to thaw before preparing the injection. Thaw vaccine in the refrigerator or at room temperature. Unpunctured vials may be stored:
  - In the refrigerator for up to 30 days OR
  - At room temperature between 8°C and 25°C (46°F and 77°F) for a total of 24 hours
- Do NOT refreeze thawed vaccine.
- Use CDC’s beyond-use date labels for this vaccine to track storage time at refrigerated temperatures.
- Choose the correct vaccine product based on the age of the recipient and the dose – primary versus booster. Check the vaccine for age indications and composition of the vaccine (monovalent; bivalent)

Primary series dose

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

Booster dose

- Booster dose is NOT authorized for ages 6 months through 5 years

Check the vial label to ensure the expiration date or beyond-use date/time has not passed.

- Use Moderna expiration date tool at https://modernacovid19global.com/vial-lookup
- Check beyond-use date/times
  - Unpunctured vials may be stored between 2°C and 8°C (36°F-46°F) for up to 30 days
  - Unpunctured vials may be stored between 8°C and 25°C (46°F and 77°F) for a total of 24 hours
  - Punctured vials can be stored between 2°C to 25°C (35°F to 77°F) for up to 12 hours
- Do NOT use vaccine if the expiration date or beyond-use date/time has passed

Follow aseptic technique

- Do NOT reframe thawed vaccine.
- Use a new, sterile needle and syringe for each injection

Gently swirl the thawed vaccine vial. Do not shake the vial.

- The vaccine is white to off-white in color and may contain white or translucent particles. Do not use if liquid contains other particulate matter or is discolored.
COVID-19 vaccine is administered by intramuscular injection.

Choose the correct equipment.

- Needle gauge: 22 - 25 gauge
- Needle length varies by recipient’s age, gender, weight, and injection site. See chart: Vaccine Administration: Needle Gauge and Length (cdc.gov)

Withdraw the correct dosage.

- If the amount of vaccine remaining in the vial cannot provide a full dose, discard the vial and any excess volume. Do NOT combine from 2 or more vials to obtain a dose

<table>
<thead>
<tr>
<th>Ages 6 months through 5 years</th>
<th>Ages 6 through 11 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONOVALENT</td>
<td>MONOVALENT</td>
</tr>
<tr>
<td>0.25 mL/25 µg</td>
<td>0.5 mL/50 µg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ages 12 and older</th>
<th>Ages 6 through 11 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONOVALENT</td>
<td>BIVALENT BOOSTER</td>
</tr>
<tr>
<td>0.5 mL/100 µg</td>
<td>0.25 mL/25 µg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ages 12 years and older</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIVALENT BOOSTER</td>
</tr>
<tr>
<td>0.5 mL/50 µg</td>
</tr>
</tbody>
</table>

Administer vaccine by intramuscular (IM) injection

<table>
<thead>
<tr>
<th>Ages</th>
<th>Injection site</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 months through 2 years</td>
<td>Vastus lateralis muscle in the anterolateral thigh</td>
</tr>
<tr>
<td>3 years and older</td>
<td>Deltoid muscle in the upper arm. Alternatively, the anterolateral thigh can be used.</td>
</tr>
</tbody>
</table>

Consider observing persons after vaccination to monitor for allergic reactions and syncope:

- **30 minutes for persons with:**
  - An allergy-related contraindication to a different type of COVID-19 vaccine
  - A history of non-severe, immediate (onset within 4 hours) allergic reaction after a previous dose of COVID-19 vaccine
  - A history of anaphylaxis after non-COVID-19 vaccines or injectable therapies
- **15 minutes:** All other persons

Document the vaccination

Document each recipient's vaccine administration information in the:

- Medical record:
  - Vaccine and the date administered, manufacturer, lot number, vaccination site and route
  - Name and title of the person administering the vaccine

- Recipient’s vaccination record card:
  - Date of vaccination, product name/manufacturer, lot number, and name/location of the administering clinic or healthcare professional. Indicate if the vaccine dose is a monovalent or bivalent product, if possible.
  - Report the vaccination to the appropriate state/local immunization information system (IIS)