COVID-19
VACCINES
INFORMATION

MobileVAX
**Box 2. Terminology for COVID-19 vaccine use**

**Primary series:**
- For most people, a 2-dose series of an mRNA COVID-19 vaccine (Pfizer-BioNTech and Moderna) or a single dose of Janssen COVID-19 Vaccine.
- For people who are moderately or severely immunocompromised, a 3-dose series of an mRNA COVID-19 vaccine or a single dose of Janssen COVID-19 Vaccine.

**Additional dose:** A subsequent dose of vaccine administered to people who are less likely to mount a protective immune response after initial vaccination. People who are moderately or severely immunocompromised and who received Janssen COVID-19 Vaccine for their primary series should receive an additional dose.

**Booster dose:** A subsequent dose of vaccine administered to enhance or restore protection which might have waned over time after primary series vaccination.

- **Homologous booster dose:** The same vaccine product used for the booster dose was administered for the primary series.
- **Heterologous booster dose (mix-and-match booster):** The vaccine product used for the booster dose differs from the product administered for the primary series.

**Up to date:** People ages 5 years and older are up to date with their COVID-19 vaccines when they have received all doses in the primary series and all booster doses recommended for them, when eligible.

- Vaccine recommendations differ depending on a person’s age, immune status, vaccine received for the primary series (mRNA or Janssen), and time since last dose.
- On May 20, 2022, CDC strengthened its second booster recommendations. People ages 50 years and older and people ages 12 years and older who are moderately or severely immunocompromised should get a second booster dose to be up to date.
- People ages 18 through 49 years who received a Janssen COVID-19 vaccine for both their primary and booster dose may get a second booster dose of either Pfizer-BioNTech or Moderna COVID-19 vaccine, but the second booster dose is not required to be considered up to date.
## WHO CAN GET A VACCINE?

### PFIZER
- **Age Indications:** 12 years & older
- **Schedule:** 2 doses separated by 21 days apart

### MODERNA
- **Age Indications:** 18 years & older
- **Schedule:** 2 dose separated by 28 days apart

### PEDIATRIC PFIZER
- **Age Indications:** 5 - <12 years
- **Schedule:** 2 doses separated by 21 days apart

### JANSSEN (J&J)
- **Age Indications:** 18 years & older
- **Schedule:** 1 dose

11 yr. who turns 12 for 2nd dose – gets peds dose then adult dose
## Pfizer

### Primary Series
- **Age Indications:** 12 Years & Older
- **Schedule:** 2 Doses Separated by 21 Days Apart
- **Multidose Vial:** 6 Doses Per Vial
- **Do Not Reconstitute
- **Dosage:** 0.3 mL
- **Once Punctured, Discard After:** 12 Hours

### Booster Dose (5 Months After Primary Series)
- **Age Indications:** 12 Years & Older
  - 12-17: Eligible for only Pfizer
  - 18+: Eligible for Pfizer, Moderna (½ Dose), JJ

### Additional Dose: 28 Days After Primary Series
- **Must Be Immunocompromised
- **Only Pfizer (Same Dose)**

## Moderna

### Primary Series
- **Age Indications:** 18 Years & Older
- **Schedule:** 2 Dose Separated by 28 Days
- **Multidose Vial (2 Types):**
  - 10 Doses Per Vial or 15 Doses Per Vial
- **Do Not Reconstitute
- **Dosage:** 0.5 mL
- **Once Punctured, Discard After:** 12 Hours

### Booster Dose (5 Months After Primary Series)
- **Age Indications:** 18 Years & Older
  - 18+: Eligible for Pfizer, Moderna (½ Dose), JJ

### Additional Dose: 28 Days After Primary Series
- **Must Be Immunocompromised
- **Only Moderna (Same Dose)**

## Pediatric Pfizer

### Primary Series
- **Age Indications:** 5 - 11 Years & Older
- **Schedule:** 2 Doses Separated by 21 Days
- **Multidose Vial:** 10 Doses Per Vial
- **Reconstitute:** 1.3 mL Sodium Chloride
- **Dosage:** 0.2 mL
- **Once Punctured, Discard After:** 12 Hours
- **If a Child Turns from 11 to 12 Years of Age In Between Their First and Second Dose:** The Second Dose Should Be the Pfizer Vaccine for People 12+

### Booster Dose (5 Months After Primary Series)
- **Age Indications:** 5 - 11 Eligible for only Peds Pfizer

### Additional Dose: 28 Days After Primary Series
- **Must Be Immunocompromised
- **Only Peds Pfizer (Same Dose)**

## Johnson & Johnson

### Primary Dose
- **Age Indications:** 18 Years & Older
- **Schedule:** 1 Dose
- **Multidose Vial:** 5 Doses Per Vial
- **Do Not Reconstitute
- **Dosage:** 0.5 mL
- **Once Punctured, Discard After:** 2 Hours

### Booster Dose (2 Months After First Shot)
- **Age Indications:** 18 Years & Older
  - 18+: Eligible for Pfizer, Moderna (½ Dose), JJ

### Additional Dose: 28 Days After 1st Shot
- **Must Be Immunocompromised
- **1 Dose of Any MRNA Vaccine**
**ADDITIONAL DOSES**

- **Pfizer (5+)**
  - **AGE**
    - 5-11 = pediatric Pfizer
    - 12+ = adult Pfizer
  - **28 days** since 2nd dose
  - **Immunocompromised**
  - **Must match original series**
    - Same dose as primary series
- **Moderna (18+)**
  - **28 days** since 2nd dose
    - **Immunocompromised**
    - **Must match original series**
      - Same dose as primary series
- **JJ (18+)**
  - **28 days** since 1st dose
    - **Immunocompromised**
    - **One dose of any MRNA vaccine**

**1ST BOOSTER**

- **Pfizer (5 -17 years old)**
  - **5 months** since last dose
  - **ONLY PFIZER BOOSTER**
- **Pfizer (18+) & Moderna (18+)**
  - **5 months** since last dose
  - **Anyone 18+**
    - Boosters available
      - JJ, Moderna, or Pfizer
      - Can mix and match
- **JJ (18+)**
  - **2 months** since last dose
  - **Anyone 18+**
    - Boosters available
      - JJ, Moderna, or Pfizer
      - Can mix and match

*If you are immunocompromised and have received an additional dose, you are eligible for a booster 3 months after the completion of your 3rd dose*
<table>
<thead>
<tr>
<th>Previously Vaccinated With</th>
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<th>Previously Vaccinated With</th>
<th>AND</th>
<th>Previously Vaccinated With</th>
<th>AND</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pfizer</strong> (5 months ago)</td>
<td>5-11 year-olds <strong>Only</strong> eligible for the <strong>Peds Pfizer</strong> Booster</td>
<td>18+ year-olds eligible for Pfizer, Moderna or JJ</td>
<td>18+ year-olds eligible for Pfizer, Moderna or JJ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12-17 year-olds <strong>Only</strong> eligible for the <strong>Pfizer</strong> Booster</td>
<td>18+ year-olds eligible for Pfizer, Moderna or JJ</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><em>If you are immunocompromised and have received an additional dose, you are eligible for a booster 3 months after the completion of your 3rd dose</em></td>
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</tbody>
</table>
WHO CAN GET A BOOSTER?

RECOMMENDED 1 BOOSTER
EVERYONE AGES 5+
SHOULD GET 1 BOOSTER
AFTER COMPLETING
THEIR PRIMARY SERIES

RECOMMENDED 2 BOOSTERS
ADULTS 50+
PEOPLE 12+ WHO ARE
MODERATELY OR SEVERLY
IMMUNOCOMPROMISED

### 1st Booster

<table>
<thead>
<tr>
<th>PRIMARY SERIES</th>
<th>GAP AFTER SERIES</th>
<th>WHO IS ELIGIBLE</th>
<th>WHICH BOOSTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFIZER 5-11</td>
<td>5 MONTHS</td>
<td>5 - 11 y/o</td>
<td>ONLY PEDS PFIZER (same dose)</td>
</tr>
<tr>
<td>PFIZER 12+</td>
<td>5 MONTHS</td>
<td>ANYONE 12+</td>
<td>PFIZER (same dose) Moderna (½ dose) JJ (same dose)</td>
</tr>
<tr>
<td>MODERNA 18+</td>
<td>5 MONTHS</td>
<td>ANYONE 18+</td>
<td>PFIZER (same dose) Moderna (½ dose) JJ (same dose)</td>
</tr>
<tr>
<td>J&amp;J 18+</td>
<td>2 MONTHS</td>
<td>ANYONE 18+</td>
<td>PFIZER (same dose) Moderna (½ dose) JJ (same dose)</td>
</tr>
<tr>
<td>WHO APPROVED</td>
<td>5 MONTHS</td>
<td>ANYONE 12+</td>
<td>ONLY PFIZER (same dose)</td>
</tr>
</tbody>
</table>

**Patients under 18 are not eligible to mix and match. Patients 5 - 17 are only eligible for Pfizer booster.**
## 2ND BOOSTER

<table>
<thead>
<tr>
<th>PRIMARY SERIES</th>
<th>GAP AFTER SERIES</th>
<th>WHO IS ELIGIBLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFIZER 5-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PFIZER 12+</td>
<td></td>
<td>4 months after 1st booster</td>
</tr>
<tr>
<td>MODERNA 18+</td>
<td></td>
<td>4 months after 1st booster</td>
</tr>
<tr>
<td>J&amp;J 18+</td>
<td></td>
<td>4 months after 1st booster</td>
</tr>
<tr>
<td>WHO APPROVED</td>
<td></td>
<td>4 months after 1st booster</td>
</tr>
</tbody>
</table>

**PFIZER 12+**
- 12+ Immunocompromised
- 50+ Anyone

**MODERNA 18+**
- 18+ Immunocompromised
- 50+ Anyone

**J&J 18+**
- 18+ Immunocompromised
- 50+ Anyone

**WHO APPROVED**
- 12+ Immunocompromised
- 50+ Anyone

### Notes:
- Patients under 18 are not eligible to mix and match.
- Patients under 12 are not eligible for a 2nd booster.
<table>
<thead>
<tr>
<th>PRIMARY SERIES</th>
<th>GAP AFTER SERIES</th>
<th>WHO IS ELIGIBLE</th>
<th>WHICH BOOSTER</th>
<th>WHO APPROVED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PFIZER PEDS</strong></td>
<td>28 DAYS</td>
<td>IMMUNOCOMPROMISED 5-11 YEAR OLDS</td>
<td>ONLY PEDS PFIZER (same dose)</td>
<td>28 days</td>
</tr>
<tr>
<td><strong>PFIZER ADULT</strong></td>
<td>28 DAYS</td>
<td>IMMUNOCOMPROMISED 12 AND OLDER</td>
<td>ONLY Adult PFIZER (same dose)</td>
<td>28 days</td>
</tr>
<tr>
<td><strong>MODERNA</strong></td>
<td>28 DAYS</td>
<td>IMMUNOCOMPROMISED 18 AND OLDER</td>
<td>ONLY MODERNA (same dose)</td>
<td>28 days</td>
</tr>
<tr>
<td><strong>J&amp;J</strong></td>
<td>28 DAYS</td>
<td>IMMUNOCOMPROMISED 18 AND OLDER</td>
<td>ONE DOSE OF A MRNA VACCINE</td>
<td>28 days</td>
</tr>
<tr>
<td><strong>WHO APPROVED</strong></td>
<td></td>
<td>IMMUNOCOMPROMISED 12 AND OLDER</td>
<td>ONLY ADULT PFIZER (same dose)</td>
<td></td>
</tr>
</tbody>
</table>

**ADDITIONAL DOSES ARE ONLY AVAILABLE FOR IMMUNOCOMPROMISED.**
WHAT ABOUT JANSSEN/J&J?

- Here are some highlights
  - The J&J vaccine is still available for patients.
  - Usage has been limited to individuals 18 years of age and older for whom other authorized COVID-19 vaccines are NOT appropriate.
  - First recommendation should always be either the Pfizer or Moderna vaccines.
  - The Janssen vaccine is contraindicated for patients who have a history of thrombosis with thrombocytopenia, low levels of platelets (blood cells that help your body stop bleeding), or history of blood clots.

- Patients who opt to receive the J&J vaccine should keep an eye out for the following signs and symptoms in the two weeks following administration:
  - Shortness of breath
  - Chest pain
  - Leg swelling
  - Persistent abdominal pain
  - Continuous headaches
  - Blurred vision
  - Tiny blood spots under the skin beyond the point of injection
  - Excessive bleeding or bruising
  - Difficulty with activities of daily living
  - If anything feels out of the ordinary, patient should always reach out to their provider immediately.
WHO CAN GET A BOOSTER?

FDA APPROVED:
- Pfizer
- Moderna
- Janssen (JJ)

WHO APPROVED:
- Novavax
- Covovax
- Oxford/AstraZeneca
- Covishield
- Covaxin
- Sinopharm
- CoronaVac/Sinovac

People who received only the first dose of a WHO COVID-19 vaccine listed for emergency use that is not FDA-approved or FDA-authorized do not need to restart a primary vaccination series in the United States.

They are eligible to receive a PFIZER vaccine, 28 days after their last dose, to complete their series.
Accepted COVID-19 Vaccines

- Vaccines approved or authorized by the U.S. Food and Drug Administration (FDA), which currently include:
  - Johnson & Johnson’s Janssen
  - Moderna
  - Pfizer-BioNTech
- Vaccines listed for emergency use by the World Health Organization (WHO), which currently include:
  - Johnson & Johnson’s Janssen
  - Moderna
  - Pfizer-BioNTech
  - AstraZeneca
  - Covaxin
  - Covishield
  - BIBP/Sinopharm
  - Sinovac
  - Novavax/Covovax
  - Convidecia
HAVE YOU RECEIVED A WHO APPROVED VACCINE

**YES**

- **ONLY 1 DOSE**
  - Wait 28 days to complete series *PFIZER ONLY*

- **2 DOSES**
  - If both doses are WHO approved, you are fully vaccinated

**NO**

- Must restart primary series after 28 days with any FDA approved vaccine (Pfizer, Moderna, or JJ)

*Immunocompromised patients, 12+, are eligible for an additional dose of PFIZER 28 days after their 2nd dose*

Patients 12+ are eligible for a PFIZER booster 5 months after the completion of primary series
COVID-19 vaccination schedule for people who are not moderately or severely immunocompromised

Figure 1. COVID-19 vaccination schedule for people who are not moderately or severely immunocompromised*

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>0 month</th>
<th>1 month</th>
<th>2 month</th>
<th>3 month</th>
<th>4 month</th>
<th>5 month</th>
<th>6 month</th>
<th>7 month</th>
<th>8 month</th>
<th>9 month</th>
<th>10 month</th>
<th>11 month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pfizer-BioNTech (ages 5 years and older)</td>
<td>1st dose</td>
<td>2nd dose&lt;sup&gt;1&lt;/sup&gt; (3-8 weeks after 1st dose)</td>
<td>Booster dose&lt;sup&gt;2&lt;/sup&gt; (at least 5 months after 2nd dose)</td>
<td>2nd booster dose for eligible people&lt;sup&gt;3&lt;/sup&gt; (at least 4 months after 1st booster)</td>
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<tr>
<td>Moderna (ages 18 years and older)</td>
<td>1st dose</td>
<td>2nd dose&lt;sup&gt;1&lt;/sup&gt; (4-8 weeks after 1st dose)</td>
<td>Booster dose&lt;sup&gt;2&lt;/sup&gt; (at least 5 months after 2nd dose)</td>
<td>2nd booster dose for eligible people&lt;sup&gt;3&lt;/sup&gt; (at least 4 months after 1st booster)</td>
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<tr>
<td>Janssen (ages 18 years and older)</td>
<td>1st dose</td>
<td>Booster dose&lt;sup&gt;1&lt;/sup&gt; (at least 2 months after 1st dose)</td>
<td>2nd booster dose for eligible people&lt;sup&gt;3&lt;/sup&gt; (at least 4 months after 1st booster)</td>
<td>2nd booster dose (at least 5 months after 2nd dose)</td>
<td>2nd booster dose (at least 5 months after 2nd dose)</td>
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</table>

Note: Timeline is approximate. Intervals of 3 months or fewer are converted into weeks per the formula “1 month = 4 weeks.” Intervals of 4 months or more are converted into calendar months.
COVID-19 vaccination schedule for people who are moderately or severely immunocompromised

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>0 month</th>
<th>1 month</th>
<th>2 month</th>
<th>3 month</th>
<th>4 month</th>
<th>5 month</th>
<th>6 month</th>
<th>7 month</th>
<th>8 month</th>
<th>9 month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pfizer-BioNTech</td>
<td>1st dose</td>
<td>2nd dose</td>
<td>3rd dose</td>
<td>Booster dose* (at least 3 months after 3rd dose)</td>
<td>Booster dose* (at least 4 months after 1st booster)</td>
<td>2nd booster dose for eligible people (at least 4 months after 1st booster)</td>
<td>2nd booster dose (at least 4 months after 1st booster)</td>
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<td></td>
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</tr>
<tr>
<td>(ages 5 years and older)</td>
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<td>(3 weeks after 1st dose)</td>
<td>(at least 4 weeks after 2nd dose)</td>
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</tr>
<tr>
<td>Moderna</td>
<td>1st dose</td>
<td>2nd dose</td>
<td>3rd dose</td>
<td>Booster dose* (at least 3 months after 3rd dose)</td>
<td>Booster dose* (at least 4 months after 1st booster)</td>
<td>2nd booster dose (at least 4 months after 1st booster)</td>
<td>2nd booster dose (at least 4 months after 1st booster)</td>
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<td>(ages 18 years and older)</td>
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<td>(4 weeks after 1st dose)</td>
<td>(at least 4 weeks after 2nd dose)</td>
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<tr>
<td>Janssen</td>
<td>1st dose</td>
<td>2nd (additional dose† using an mRNA COVID-19 vaccine (at least 4 weeks after 1st dose)</td>
<td>Booster dose* (at least 2 months after additional dose)</td>
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<tr>
<td>(ages 18 years and older)</td>
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</table>
WORKFLOW FOR REGISTRATION & SCREENING

1. Greet patient on site
2. Check immunization history
   a. CDC Card
   b. GRITS
3. Complete registration information (entered by patient or registrar)
   a. If patient enters, confirm information is correct with patient
      i. Ask patient to spell their first and last name
      ii. Ask them their date of birthday
      iii. Ask AGE --> HOW OLD ARE YOU?
4. Ask yourself, "Does this patient qualify for this vaccine?"
   a. If yes ...
5. Assign patient the correct color wrist band with age noted on the band
   a. Purple = Adult/Adolescent Pfizer
   b. Orange = Pediatric Pfizer
   c. Red = Moderna
6. Fill out CDC card and hand over to clinician
7. Send patient to age specific vaccination table
   a. Under 12 - orange table for pediatrics
### QUESTIONS TO ALWAYS ASK AT REGISTRATION

- Are you here to get vaccinated?
- Which vaccine are you wanting to get today?
- Have you received a COVID-19 vaccine in the past?
  - Can I see your CDC Card?
    - If patient doesn’t have it, must look up immunization history to confirm
- Can you please spell your first and last name?
- What is your birthday?
- How old are you?
ALWAYS ASK YOURSELF...

“Does this patient meet requirements to be able to get that vaccine?”

1. Does the patient meet **age requirements** for that vaccine and/or a booster?

2. Has it been the **correct length of time** since the patient received their last dose to be able to be vaccinated today?

3. Did the patient receive a different manufacturer in the past?
   1. If so, was it a completed series?
   2. **Can NOT mix and match in a series, ONLY boosters!**