CDC Clinical Guidance for 2nd Booster Dose

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cdc.gov/coronavirus
Some populations may receive a second booster dose using an mRNA COVID-19 vaccine at least 4 months after the first booster dose.

- People ages 50 years and older
- People ages 12 years and older who are moderately or severely immunocompromised
- People ages 18 years and older who received Janssen as both primary and booster dose
2\textsuperscript{nd} Booster Dose Product

- 2\textsuperscript{nd} booster dose should be an mRNA COVID-19 vaccine (i.e., Pfizer-BioNTech or Moderna).
- Janssen COVID-19 Vaccine is not authorized for use as a second booster.
- Booster doses may be heterologous.
  - Eligible people ages 12–17 years can only receive Pfizer-BioNTech COVID-19 Vaccine.
- The dosage is the same as the first booster dose
  - Pfizer-BioNTech (gray or purple cap): 0.3 mL (30 mcg)
  - Moderna (red cap): 0.25 mL (50 mcg)

https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html
Emergency Use Authorization and Emergency Use Instructions

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<thead>
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<sup>2</sup>https://www.cdc.gov/vaccines/covid-19/eui/index.html
Emergency Use Instructions (EUI)

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Up to Date

- CDC recommends everyone get up to date with their COVID-19 vaccinations.
- Being up to date means a person has received all recommended doses in their primary vaccine series, and a booster dose, when eligible.
- Receipt of a second booster dose is not necessary to be considered up to date at this time.

Summary of Recommendations by Primary Series
Product and Age

<table>
<thead>
<tr>
<th>Product</th>
<th>Series</th>
<th>Age Group</th>
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- **Pfizer-BioNTech** (ages 5–11 years):
  - Dose 1 (primary) 3 weeks
  - Dose 2 (primary)

- **Pfizer-BioNTech** (ages 12 years and older):
  - Dose 1 (primary) 3-8 weeks
  - Dose 2 (primary) At least 5 months
  - Dose 3 (booster) At least 4 months
  - Dose 4 (2nd booster)

- **Moderna** (ages 18 years and older):
  - Dose 1 (primary) 4-8 weeks
  - Dose 2 (primary) At least 5 months
  - Dose 3 (booster) At least 4 months
  - Dose 4 (2nd booster)

- **Janssen (J&J)** (ages 18 years and older):
  - Dose 1 (primary) At least 2 months
  - Dose 2 (booster) At least 4 months
  - Dose 3 (2nd booster)

- **People ages 50 years and older**

- **People ages 18 years and older who received 2 Janssen doses**

**Everyone** in the age group **SHOULD** receive the dose

**Some people** in the age group **MAY** receive the dose
Summary of Recommendations by Primary Series
Product and Age

**Pfizer** - **BioNTech**
- (ages 5–11 years)
- Dose 1 (primary)
- 3 weeks
- Dose 2 (primary)

**Pfizer** - **BioNTech**
- (ages 12 years and older)
- Dose 1 (primary)
- 3-8 weeks
- Dose 2 (primary)
- At least 5 months
- Dose 3 (booster)
- At least 4 months
- Dose 4 (2nd booster)

**Moderna**
- (ages 18 years and older)
- Dose 1 (primary)
- 4-8 weeks
- Dose 2 (primary)
- At least 5 months
- Dose 3 (booster)
- At least 4 months
- Dose 4 (2nd booster)

**Janssen (J&J)**
- (ages 18 years and older)
- Dose 1 (primary)
- At least 2 months
- Dose 2 (booster)
- At least 4 months
- Dose 3 (2nd booster)

- **Everyone** in the age group **SHOULD** receive the dose
- **Some people** in the age group **MAY** receive the dose

- People ages 50 years and older
- People ages 18 years and older who received 2 Janssen doses
### Summary of Recommendations by Primary Series

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- **Everyone** in the age group **SHOULD** receive the dose.
- **Some people** in the age group **MAY** receive the dose.

- **At least 4 months** after the 2nd booster.
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- **At least 4 months** after the 2nd booster.

For **People ages 50 years and older** and **People ages 18 years and older who received 2 Janssen doses**, the dosing intervals differ.
Summary of Recommendations by Primary Series
Product and Age

- **Pfizer-BioNTech** (ages 5-11 years):
  - Dose 1 (primary)
  - 3 weeks
  - Dose 2 (primary)

- **Pfizer-BioNTech** (ages 12 years and older):
  - Dose 1 (primary)
  - 3-8 weeks
  - Dose 2 (primary)
  - At least 5 months
  - Dose 3 (booster)
  - At least 4 months
  - Dose 4 (2nd booster)

- **Moderna** (ages 18 years and older):
  - Dose 1 (primary)
  - 4-8 weeks
  - Dose 2 (primary)
  - At least 5 months
  - Dose 3 (booster)
  - At least 4 months
  - Dose 4 (2nd booster)

- **Janssen (J&J)** (ages 18 years and older):
  - Dose 1 (primary)
  - At least 2 months
  - Dose 2 (booster)
  - At least 4 months
  - Dose 3 (2nd booster)

- **People ages 50 years and older**
  - Dose 4 (2nd booster)

- **People ages 18 years and older who received 2 Janssen doses**

- **Everyone** in the age group **SHOULD** receive the dose
- **Some people** in the age group **MAY** receive the dose
# Summary of Recommendations by Primary Series Product and Age, Moderately or Severely Immunocompromised

- **Pfizer-BioNTech** (ages 5–11 years):
  - Dose 1 (primary) 3 weeks
  - Dose 2 (primary) At least 4 weeks
  - Dose 3 (primary)

- **Pfizer-BioNTech** (ages 12 years and older):
  - Dose 1 (primary) 3 weeks
  - Dose 2 (primary) At least 4 weeks
  - Dose 3 (primary) At least 3 months
  - Dose 4 (booster) At least 4 months
  - Dose 5 (2nd booster)

- **Moderna** (ages 18 years and older):
  - Dose 1 (primary) 4 weeks
  - Dose 2 (primary) At least 4 weeks
  - Dose 3 (primary) At least 3 months
  - Dose 4 (booster) At least 4 months
  - Dose 5 (2nd booster)

- **Janssen (J&J)** (ages 18 years and older):
  - Dose 1 (primary) 4 weeks
  - Dose 2 (addl. dose) At least 2 months
  - Dose 3 (booster) At least 4 months
  - Dose 4 (2nd booster)

- **everyone** in the age group **should** receive the dose
- **some people** in the age group **may** receive the dose
### Summary of Recommendations by Primary Series Product and Age, Moderately or Severely Immunocompromised

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  - Dose 1 (primary)
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- **Janssen (J&J) (ages 18 years and older)**
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- **Everyone in the age group** **SHOULD** receive the dose
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Eligible People Who May Consider Getting the 2\textsuperscript{nd} Booster Dose As Soon As Possible

- People with certain underlying medical conditions that increase the risk of severe COVID-19 illness
- People who are moderately or severely immunocompromised
- People who live with someone who is immunocompromised, at increased risk for severe disease, or who cannot be vaccinated due to age or contraindication
- People at increased risk of exposure to SARS-CoV-2, such as through occupational, institutional, or other activities (e.g., travel or large gatherings)
- People living or working in an area where the COVID-19 community level is medium or high
Eligible People Who May Consider Waiting to Receive a 2\textsuperscript{nd} Booster Dose

- People with recent SARS-CoV-2 infection within the past 3 months
- People who may be hesitant about getting another recommended booster dose in the future, as a booster dose may be more important in the fall and/or if a variant-specific vaccine is needed.
Education and Communication

**Clinical Considerations**

**Second COVID-19 Vaccine Booster Dose**

Everyone age 12 years and older should get a booster when they are eligible. Some people may get a 2nd booster dose.

When you discuss a 2nd COVID-19 vaccine booster dose with patients:

**Who is eligible:**
- People 50 years of age and older, regardless of health status
- People 12 years of age and older who are moderately or severely immunocompromised
- People 16 years of age and older and received 2 doses of Janssen vaccine

**Who might consider getting the 2nd booster dose now:**
- People with underlying medical conditions that increase the risk of severe COVID-19 disease
- People who are moderately or severely immunocompromised
- People who live with someone who is immunocompromised, at increased risk for severe disease, or who cannot be vaccinated due to age or comorbidities
- People at increased risk of exposure to SARS-CoV-2, such as through occupational, institutional, or other activities, e.g., loved ones or large gatherings
- People living or working in an area where there is increasing concern about COVID-19 community spread

**Who might consider waiting to receive a 2nd booster dose:**
- People with recent within the past 3 months SARS-CoV-2 infection
- People who may have reservations about getting another recommended booster dose in the future; a booster dose may be more important in the fall and if a variant-specific vaccine is needed.

*Note: The updated CDC recommendations do not currently recommend a 2nd booster dose.*

If you vaccinate:
- Separate the 2nd booster dose from the previous dose by at least 3 months.
- Moderna or Pfizer-BioNTech COVID-19 vaccine products can be administered for the 2nd booster dose.
- Age indications and dosage amounts (infants below) vary by product.
- Pfizer-BioNTech COVID-19 vaccine can be administered to people age 12 years and older. The correct dosage is 0.5 mL.
- Moderna COVID-19 vaccine can be administered to people age 18 years and older. The correct dosage is 0.25 mL.

**CDC References and Resources:**
- CDC Vaccine Information Statements for Adults Age 18 Years and Older: www.cdc.gov/vaccines/vss/vaccine-information-statements/adults.html
- CDC Information for Healthcare Providers: www.cdc.gov/vaccines/hcp/immunization-schedule/prioritized-groups.html
- CDC Information for People with Certain Medical Conditions: www.cdc.gov/vaccines/hcp/interim-covid-19-recommendations/people-with-medical-conditions.html

**Thinking About Getting a Second COVID-19 Vaccine Booster Dose**

In March 2022, CDC updated its COVID-19 vaccination guidance to say that certain groups of people may get second boosters. If you’re in one of those groups, it’s up to you whether or not to get a second booster right now, based on your own benefits and risks. Your healthcare provider can help you review your options.

Here are factors to think about as you consider a second booster.

1. **Are you eligible?**
   - Right now, you’re eligible for a 3rd COVID-19 booster if you’re 50 years of age and older and received an initial booster at least 4 months ago, 12 years of age and older and moderately or severely immunocompromised and received an mRNA booster at least 4 months ago, or received 2 doses of Janssen vaccine at least 4 months ago.

2. **Are you (or is someone you live with) at higher risk of COVID-19?**
   - Certain factors can raise the risk of COVID-19 disease. It may be helpful to get a second booster if you are or if someone you live with is:
     - Moderately or severely immunocompromised
     - At higher risk for severe disease
     - At higher risk of being exposed to COVID-19 through your job, where you live, or other factors (such as frequent large gatherings)
   - In an area where COVID-19 community levels are concerning
   - Or if someone you live with is unvaccinated.

3. **Can you wait?**
   - A second booster may be more important in fall 2022, or if a new vaccine for a later COVID-19 variant becomes available. You may consider waiting to get a second booster if you:
     - Had COVID-19 within the past 2 months
     - Feel that getting a second booster would make you not want to get another booster in the future.

4. **If you get a second booster:**
   - Make sure it’s been at least 4 months since your last COVID-19 booster. Remember that second boosters can be Moderna or Pfizer-BioNTech (and for 12-17 year-olds, only Pfizer-BioNTech).
   - You can self-arrange if you’re immunocompromised or severely immunocompromised.
   - This means you do not react any documentation of your immunocompromised status in order to receive COVID-19 vaccines (including boosters) whenever they’re offered.

**CDC References and Resources:**
- CDC Information for Healthcare Providers: www.cdc.gov/vaccines/hcp/immunization-schedule/prioritized-groups.html
- CDC Information for People with Certain Medical Conditions: www.cdc.gov/vaccines/hcp/interim-covid-19-recommendations/people-with-medical-conditions.html
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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.