The table below provides basic information on the proper storage, preparation, and administration of the currently authorized COVID-19 vaccine products in the United States. For additional information and detailed clinical guidance go to the manufacturer's and CDC's webpages listed.

### Pfizer-BioNTech

- **Storage & Handling**: 
  - **Before Puncture**: 
    - -2°C and -15°C (36°F and 5°F) for up to 1 month (31 days)
  - **After Puncture**: 
    - 2°C and 8°C (36°F and 46°F) for up to 6 hours.
  - **Transport**: 
    - Between: -2°C and -15°C (36°F and 5°F) for up to 12 cumulative hours.
  - **Diluent**: 0.9% sodium chloride (preservative-free, normal saline)
  - **Manufacturer Contact**: Customer Service: 800-879-3477

### Moderna

- **Website**: www.cdc.gov/vaccines/covid-19/information/moderna/index.html
- **Storage & Handling**: 
  - **Before Puncture**: 
    - -50°C and -15°C (-58°F and 5°F) for up to 12 months.
  - **After Puncture**: 
    - 2°C and 8°C (36°F and 46°F) for up to 12 hours.
  - **Transport**: 
    - Between: 2°C and 8°C (36°F and 46°F) for up to 12 cumulative hours.
  - **Diluent**: None
  - **Manufacturer Contact**: Medical Information: 866-366-3762

### Janssen

- **Storage & Handling**: 
  - **Before Puncture**: 
    - 2°C and 8°C (36°F and 46°F) for up to 12 months.
  - **After Puncture**: 
    - 2°C and 8°C (36°F and 46°F) for up to 12 hours.
  - **Transport**: 
    - Between: 2°C and 8°C (36°F and 46°F) for up to 12 hours.
  - **Diluent**: None
  - **Manufacturer Contact**: Customer Service: 800-565-4008

### Type of Vaccine

- Pfizer-BioNTech: mRNA
- Moderna: mRNA
- Janssen: Vial vector

### Age Indications

- Pfizer-BioNTech: 12 years of age and older
- Moderna: 18 years of age and older
- Janssen: 18 years of age and older

### Schedule

- Pfizer-BioNTech: 2 doses, separated by 21 days; both doses should be Pfizer-BioNTech vaccine
- Moderna: 2 doses, separated by 28 days; both doses should be Moderna vaccine
- Janssen: 1 dose

### Dosage

- Pfizer-BioNTech: 0.3 mL
- Moderna: 0.5 mL
- Janssen: 0.5 mL

### Needle Gauge/Length

- Pfizer-BioNTech: 12 through 18 years of age: 22–25 gauge, 1"
- Moderna: 19 years of age and older: 22–25 gauge, 1 – 1½"

### Route

- Pfizer-BioNTech: Intramuscular (IM) injection
- Moderna: Intramuscular (IM) injection
- Janssen: Intramuscular (IM) injection

### Site

- Pfizer-BioNTech: Deltoid
- Moderna: Deltoid
- Janssen: Deltoid

### Thawing Frozen Vaccine

- Pfizer-BioNTech: Between: 2°C and 8°C (36°F and 46°F) or Room temperature up to 25°C (77°F)
- Moderna: Do NOT refreeze thawed vaccine.
- Janssen: N/A

### Mixing Vaccine

- Pfizer-BioNTech: Mix vaccine with 1.8 mL of 0.9% sodium chloride (preservative-free, normal saline)
- Moderna: Do NOT mix with any diluent
- Janssen: Do NOT mix with any diluent

### Contraindications

- **COVID-19 vaccine**: Immediate allergic reaction of any severity to a previous dose or known (diagnosed) allergy to a component of the vaccine
- **Note**: People who have a contraindication to an mRNA COVID-19 vaccine (Moderna or Pfizer-BioNTech) may be able to receive the Janssen COVID-19 vaccine (see footnote).

### Precautions

- **COVID-19 vaccine**: People with a contraindication to a COVID-19 vaccine at their appointment can and should be administered vaccine.

### Contraindications/Precautions

- **COVID-19 vaccine**: People with a contraindication to Janssen COVID-19 vaccine may be able to receive an mRNA COVID-19 vaccine (see footnote).

### Post-Vaccination Observation

- **COVID-19 vaccine**: 30 minutes: People with a history of an immediate allergic reaction of any severity to a vaccine or injectable therapy, contraindication to a different type of COVID-19 vaccine, or history of anaphylaxis due to any cause.

### Most Common Adverse Events

- **COVID-19 vaccine**: 15 minutes: All other persons

### Vaccine Administration

- **COVID-19 vaccine**: People with a contraindication to mRNA COVID-19 vaccines (including due to a known PEG allergy) have a precaution to Janssen COVID-19 vaccination. People who have previously received an mRNA COVID-19 vaccine but have a contraindication to a second dose should wait at least 28 days to receive Janssen COVID-19 Vaccine.