**Purpose**

- To reduce morbidity and mortality from coronavirus disease 2019 (COVID-19) by vaccinating persons who meet the criteria established by the Centers for Disease Control and Prevention’s Advisory Committee on Immunization Practices (ACIP).

**Policy**

- Where authorized under state law, standing orders enable eligible nurses and other healthcare professionals (e.g., pharmacists) to assess and vaccinate persons who meet the criteria in the "Procedure" section below without the need for clinician examination or direct order from the attending provider at the time of the interaction.

**Procedure**

Assess persons 12 years of age and older for vaccination with Pfizer BioNTech COVID-19 Vaccine based on the following criteria:

- Primary-series vaccination*
  - If the recipient has never received a COVID-19 vaccine, administer 1 dose of Pfizer-BioNTech COVID-19 Vaccine.
  - If the recipient has received 1 previous dose of Pfizer-BioNTech COVID-19 Vaccine, administer the second dose at an interval of at least 21 days.
  - If the vaccine product given as the first dose cannot be determined or is no longer available, administer Pfizer-BioNTech COVID-19 Vaccine at least 28 days after the first dose.

- Additional dose for persons who are moderately or severely immunocompromised †
  - Administer a dose of Pfizer-BioNTech vaccine to persons who received:
    - 2 doses of Pfizer-BioNTech vaccine: Separate by at least 28 days‡
    - 1 dose of Janssen vaccine: Separate by at least 28 days
    - 1 dose of Janssen vaccine and a booster dose (any product): Separate by at least 2 months

- Booster dose*
  - Persons who are not moderately or severely immunocompromised: Administer a booster dose at least 5 calendar months after dose 2 in the mRNA primary series.
  - Persons who are moderately to severely immunocompromised: Administer a booster dose at least 3 months (12 weeks) after dose 2 in the mRNA primary series.
  - Persons vaccinated with a Janssen COVID-19 Vaccine: Administer a booster dose at least 2 months after completing the single-primary dose (or the additional [mRNA] dose for moderately or severely immunocompromised persons)

- Additional clinical considerations
  - Persons who have received HCT or CAR-T-cell therapy:
    - Revaccinate persons who received doses of COVID-19 vaccine prior to receiving or during HCT or CAR-T-cell therapy with a primary series at least 3 months (12 weeks) after transplant or CAR-T-cell therapy.
  - For persons who received a COVID-19 vaccine:
    - Outside of the United States
    - Not currently authorized/approved in the United States
  - Pfizer-BioNTech COVID-19 Vaccine may be coadministered with other vaccines without regard to timing, including simultaneous administration.

- For recommendations for COVID-19 vaccination and SARS-CoV-2 infection guidance, including after receiving passive antibody products, can be found at: [https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination](https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination)

- Additional conditions associated with moderate to severe immunocompromised, see: [https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#people-vaccinated-outside-us](https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#people-vaccinated-outside-us)

- Pfizer-BioNTech COVID-19 Vaccine may be coadministered with other vaccines without regard to timing, including simultaneous administration.

- For recommendations for COVID-19 vaccination and SARS-CoV-2 infection guidance, including after receiving passive antibody products, can be found at: [https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination](https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination)

- For persons who received a COVID-19 vaccine:
  - Outside of the United States
  - Not currently authorized/approved in the United States

- Pfizer-BioNTech COVID-19 Vaccine may be coadministered with other vaccines without regard to timing, including simultaneous administration.

- For recommendations for COVID-19 vaccination and SARS-CoV-2 infection guidance, including after receiving passive antibody products, can be found at: [https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination](https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#CoV-19-vaccination)

- Screen for Contraindications and Precautions

- Contraindications:
  - History of a:
    - Severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a component of the COVID-19 vaccine
    - Known diagnosed allergy to a component of the vaccine (see [https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#Appendix-C](https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html#Appendix-C) for a list of vaccine components)
Precautions:

- Most people determined to have a precaution to a COVID-19 vaccine at their appointment can and should be administered vaccine.
- Immediate allergic reaction to any non-COVID-19 vaccine or injectable therapy (i.e., intramuscular, intravenous, or subcutaneous vaccines or therapies [excluding subcutaneous immunotherapy for allergies, i.e., “allergy shots”]).

Immediate allergic reaction is defined as any hypersensitivity-related signs or symptoms such as urticaria, angioedema, respiratory distress (e.g., wheezing, stridor), or anaphylaxis that occur within 4 hours following exposure to a vaccine or medication.

Consider consultation with an allergist-immunologist to help determine if the patient can safely receive vaccination. Healthcare providers and health departments may also request a consultation from the Clinical Immunization Safety Assessment COVIDvax Project (https://www.cdc.gov/vaccinesafety/ensuringsafety/monitoring/cisa/index.html). Vaccination of these individuals should only be done in an appropriate setting under the supervision of a healthcare provider experienced in the management of severe allergic reactions.

- 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 with a contraindication to Janssen COVID-19 vaccine (including due to a known polysorbate allergy) have a precaution to other types of COVID-19 vaccines (Janssen).

Moderate to severe acute illness, with or without fever
- History of myocarditis or pericarditis after a dose of an mRNA COVID-19 vaccine

Sex and Weight of Patient | Needle Gauge | Needle Length | Injection Site**
--- | --- | --- | ---
Female or male fewer than 130 lbs | 22–25 | 5/6†–1" | Deltoid muscle of arm
Female or male 130–152 lbs | 22–25 | 1" | Deltoid muscle of arm
Female 152–200 lbs | 22–25 | 1–1½" | Deltoid muscle of arm
Male 152–260 lbs | 22–25 | 1–1½" | Deltoid muscle of arm
Female 200+ lbs | 22–25 | 1½" | Deltoid muscle of arm
Male 260+ lbs | 22–25 | 1½" | Deltoid muscle of arm

Provide all recipients and/or parents/legal guardians with a copy of the current Fact Sheet for Recipients and Caregivers.

To administer the vaccine. Choose the correct needle gauge, needle length, and injection site for persons:

- 12 through 18 years of age:
  - Needle gauge/length: 22-25 gauge, 1-inch
  - Site: Deltoid muscle of arm
- 19 years of age and older: See chart.
- Mix Pfizer-BioNTech COVID-19 Vaccine with 0.9% sodium chloride (normal saline, preservative-free) diluent according to the manufacturer’s instructions. Follow manufacturer’s guidance for storing/handling mixed vaccine.

Administer 0.3 mL Pfizer-BioNTech COVID-19 Vaccine by intramuscular (IM) injection.

Document vaccination.

- COVID-19 vaccination providers must document vaccine administration in their medical record systems within 24 hours of administration and use their best efforts to report administration data to the relevant system (e.g., immunization information system) for the jurisdiction as soon as practicable and no later than 72 hours after administration.
- Document each recipient’s vaccine administration information:
  - Medical record: The vaccine and the date it was administered, manufacturer, lot number, vaccination site and route, name and title of the person administering the vaccine
  - Vaccination record card: Date of vaccination, product name/manufacturer, lot number, and name/location of the administering clinic or healthcare professional. Give to the vaccine recipient.
  - Immunization information system (IIS): Report the vaccination to the appropriate state/local IIS.

Additional preparation and administration information is available on the manufacturer’s website at www.cvdvaccine.com.

---

§ An immediate allergic reaction is defined as any hypersensitivity-related signs or symptoms such as urticaria, angioedema, respiratory distress (e.g., wheezing, stridor), or anaphylaxis that occur within 4 hours following exposure to a vaccine or medication.

† Consider consultation with an allergist-immunologist to help determine if the patient can safely receive vaccination. Healthcare providers and health departments may also request a consultation from the Clinical Immunization Safety Assessment COVIDvax Project (https://www.cdc.gov/vaccinesafety/ensuringsafety/monitoring/cisa/index.html). Vaccination of these individuals should only be done in an appropriate setting under the supervision of a healthcare provider experienced in the management of severe allergic reactions.

** Alternately, the anterolateral thigh can be used. A 1.5-inch needle may be used if administering vaccine in this site.

†† Some experts recommend a 5/8-inch needle for men and women who weigh less than 130 lbs. If used, skin must be stretched tightly (do not bunch subcutaneous tissue).
Be prepared to manage medical emergencies.

- Vaccination providers should observe patients after vaccination to monitor for the occurrence of immediate adverse reactions, including syncope:
  - **30 minutes**: persons with a history of:
    - A contraindication to another type of COVID-19 vaccine product.
    - Immediate (within 4 hours of exposure) non-severe allergic reaction to a COVID-19 vaccine.
    - Immediate allergic reaction of any severity to a non-COVID-19 vaccine or injectable therapies
    - Anaphylaxis due to any cause.
  - **15 minutes**: all other persons

- Syncope may occur in association with injectable vaccines, in particular among adolescents. Procedures should be in place to avoid falling injuries and manage syncopal reactions.

- Have a written protocol to manage medical emergencies following vaccination, as well as equipment and medications, including at least 3 doses of epinephrine, H1 antihistamine, blood pressure monitor, and timing device to assess pulse.

- Healthcare personnel who are trained and qualified to recognize the signs and symptoms of anaphylaxis as well as administer intramuscular epinephrine should be available at the vaccination location at all times.

- For more information, please see:
  - CDC’s *General Best Practice Guidelines for Immunization, “Preventing and Managing Adverse Reactions,”* at [https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/adverse-reactions.html](https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/adverse-reactions.html)
  - Immunization Action Coalition’s “Medical Management of Vaccine Reactions in Adults in a Community Setting” at [https://www.immunize.org/catg.d/p3082.pdf](https://www.immunize.org/catg.d/p3082.pdf)

- Report adverse events to the Vaccine Adverse Event Reporting System (VAERS).

  - Vaccine administration errors (whether associated with an adverse event [AE] or not)
  - Serious AEs (irrespective of attribution to vaccination)
  - Cases of COVID-19 that result in hospitalization or death

- Healthcare professionals are encouraged to report to VAERS ([https://vaers.hhs.gov/](https://vaers.hhs.gov/)):
  - Clinically important adverse events that occur after vaccination, even if you are not sure whether the vaccine caused the adverse event

**Note:** For more information/guidance, please contact the immunization program at your state or local health department or the appropriate state body (e.g., state board of medical/nursing/pharmacy practice).

**Standing Orders Authorization**

This policy and procedure shall remain in effect for all patients of the ________________________________

effective ______________________ until rescinded or until ____________________________.

Medical director (or other authorized practitioner)

____________________________________/____________________________________/____________________

Adapted with appreciation from the Immunization Action Coalition (IAC) standing orders