

## Vaccine Administration

### Aliases

None

### Patient Care Goals

To assist in vaccination efforts for both health care workers and the general public

### Patient Presentation

#### Inclusion Criteria

Patients who are eligible for the vaccine as determined by manufacturer and in accordance with state and federal guidelines

#### Exclusion Criteria

Contraindications as outlined in vaccine information sheet, manufacturer's recommendations, and state and federal guidelines

### Patient Management

#### Assessment

1. Preparation
  - a. Assess the need for vaccination.
  - b. Provide patient with [CDC Vaccine Information Sheet \(VIS\)](#).
  - c. Have patient complete [Vaccination Administration Record \(VAR\)](#).
  - d. Review patient self-reported risk questionnaire and screen for contraindications (e.g. allergies) and precautions (e.g. past reactions)
2. If contraindications and/or precautions are noted, defer to onsite municipal health department or occupational health personnel, medical director
  - a. Collect and review designated consent and administration record documentation
3. Ensure documentation is complete; verify patient's name and date of birth.
4. Obtain appropriate signatures as needed.
  - a. Acquire appropriate equipment/supplies (not limited to)
  - b. Vaccine
  - c. Antiseptic wipes
  - d. Gloves
  - e. Syringe with needle (23-25-gauge, 1-1.5 inch)
  - f. Sharps container

#### Treatment and Interventions

1. Administration
  - a. Wash hands for 20 seconds with soap and water.
  - b. Maintain aseptic technique throughout administration.
  - c. Check expiration of vaccine.
  - d. Identify injection site-deltoid:

- i. 2-3 fingerbreadths distal to acromion process no lower than axilla
- ii. Cleanse injection site with antiseptic wipe (outward circle motion) and let air dry
- iii. Using non-dominant hand, apply gentle traction to one direction
- iv. Insert needle at 90-degree angle into deltoid
  - Aspiration is not necessary
- e. Inject vaccine into the muscle.
- f. Withdraw the needle and safely discard in sharps container.
- g. Place gauze pad on injection site and apply slight pressure.
- h. Do not massage injection site.
- i. Monitor the patient for 5 minutes for any reaction.
  - i. If reaction present, begin treatment per MC EMS patient care protocols.
  - ii. Refer to onsite municipal health department/occupational health person.
  - iii. Place adhesive bandage over injection site.

### **Patient Safety Considerations**

1. Use proper PPE.
2. Monitor for allergic reaction.
3. Ensure patient is adequately counseled on after-care. This includes documenting any adverse reactions to VAERS: <https://vaers.hhs.gov/reportevent.html>.

### **Notes/Educational Pearls**

#### **Key Considerations**

1. All vaccine administrations must be documented in the Wisconsin Immunization Registry.
2. Any adverse event or injury caused by vaccine administration constitutes a patient contact and required assessment, treatment transport, and documentation (VARS) must be performed.

#### **Pertinent Assessment Findings**

N/A

### **Quality Improvement**

#### **Associated NEMIS Protocol(s) (eProtocol.01)**

N/A

#### **Key Documentation Elements**

- Enter required data into Wisconsin Immunization Registry.
- Report adverse events to VAERS: <https://vaers.hhs.gov/reportevent.html>.
- Advise recipient when subsequent vaccination is required.
- Confirm that the patient has received VIS.

## **Performance Measures**

N/A

## **References**

La Crosse Regional Pre-Hospital Guidelines, *Vaccine Administration 2020*

[https://www.tristateambulance.org/documents/current/TSA\\_Medical\\_Guidelines\\_2020.pdf](https://www.tristateambulance.org/documents/current/TSA_Medical_Guidelines_2020.pdf)

Milwaukee County Office of Emergency Management –EMS Division, *Vaccine Administration Operational Policy*. <https://county.milwaukee.gov/files/county/emergency-management/EMS-/Standards-of-Care/Vaccine-Administration-2017>