

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 NEMSIS 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

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>