

Standing Orders for Administering Japanese Encephalitis Vaccine (Pediatric)

Purpose: To reduce the morbidity and mortality from Japanese encephalitis (JE) by vaccinating all persons who meet the criteria established by the Centers for Disease Control and Prevention's Advisory Committee on Immunization Practices (ACIP), the Food and Drug Administration (FDA) product labeling, and the Department of Defense (DOD).

Policy: Under these standing orders, eligible nurses and other health care professionals working within their scope of practice may vaccinate patients who meet the criteria below.

Procedure:

1. Identify all persons 2 months to 17 years of age in need of vaccination against JE based on the following criteria:
 - Vaccination is required for Service members and beneficiaries as indicated per Combatant Command (CCMD) force health protection requirements
 - Travelers who plan to spend 1 month or longer in endemic areas (per CDC Yellow Book, TRAVAX, or other travel medicine guidelines) during JE transmission season (including long-term travelers and recurrent travelers based in urban areas but likely to visit endemic or rural or agricultural areas)
 - Short-term (<1 month) travelers to endemic areas during the JE transmission season if they plan to travel outside of an urban area and will have increased risk for JE exposure
 - Travelers to an area with ongoing JE outbreak
 - Travelers to endemic area who are uncertain of specific destinations, activities, or duration of travel
2. Screen all persons for contraindications and precautions to the JE vaccine (JE-VC):

Contraindications:

- A history of a serious allergic reaction (e.g., anaphylaxis) after a previous dose of JE-VC or to a vaccine component (to include protamine sulfate.) Ask parents of diabetic children about allergic reactions to their insulin (which also may contain protamine sulfate)
- For information on vaccine components, refer to the [manufacturer's package insert](#) or go to <http://www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/b/excipient-table-2.pdf>

Precautions:

- Pregnancy: vaccination is generally deferred during pregnancy, though pregnant women traveling to a high-risk area may receive JE-VC if benefit outweighs risk

Note: Although JE-VC vaccination during pregnancy may be warranted, this is an off-label use of the vaccine and is not covered under these standing orders. Patients must obtain a written order from a privileged provider for this situation

- Moderate or severe acute illness with or without fever
- Syncope (fainting) can occur in association with administration of injectable vaccines. Procedures should be in place to avoid a falling injury (e.g. 15 minute observation after administration) and to restore cerebral perfusion following syncope

- For questions or concerns, consider consulting the DHA Immunization Healthcare Division at (877) 438-8222, Option 1 or DSN 761-4245

3. Provide all persons (or their parent/legal representative) with a copy of the most current federal [Vaccine Information Statement \(VIS\)](#). You must document, in the person’s medical record, the publication date of the VIS and the date it was given to the person (or parent/legal representative). Provide non-English speaking persons with a copy of the VIS in their native language, if available and preferred.

4. Provide vaccine as follows:

Follow dosing schedule as below. JE-VC (IXIARO®) consists of a 2-dose primary series and a single booster for continued risk. The primary series should be completed ≥1 week before travel. Follow the steps outlined in the package insert to prepare the 0.25 mL pediatric dose. Administer intramuscularly in the preferred site (anterolateral thigh for infants and toddlers or in the deltoid for children and adolescents). The alternate site (anterolateral thigh muscle or deltoid muscle) may be used if the preferred site is inadequate.

| Pediatric Dosing Schedule for JE-VC Vaccine | | | | |
|---|---------|-------|------------|---------------------------|
| AGE | DOSE | ROUTE | SCHEDULE | BOOSTER [†] |
| 2-35 mo | 0.25 mL | IM | 0, 28 days | ≥1 y after primary series |
| 3–17 y | 0.5 mL | IM | 0, 28 days | ≥1 y after primary series |

[†]If potential for JEV exposure continues

| Needle Length and Injection Site of IM Injections for Children | | |
|---|-------------------------------|------------------------|
| Use a 22 – 25 gauge needle. Choose needle gauge and length appropriate to administration route and the patient’s age and body mass. | | |
| Age Group | Needle Length | Injection Site |
| Infants (1-12 months) | 1 inch | Anterolateral thigh |
| Toddlers (1-2 years) | 1-1.25 inch | Anterolateral thigh* |
| | 5/8 [†] – 1 inch | Deltoid muscle of arm |
| Children (3-10 years) | 5/8 [†] inch- 1 inch | Deltoid muscle of arm* |
| | 1-1.25 inches | Anterolateral thigh |
| Children (11-18 years) | 5/8 [†] – 1 inch | Deltoid muscle of arm* |
| | 1-1.5 inches | Anterolateral thigh |

Adapted from General Best Practice Guidelines for Immunization: Vaccine Administration
<https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/administration.html>.

[†]If skin is stretched tightly and subcutaneous tissues are not bunched

*Preferred site

5. Document all immunizations administered in the patient’s electronic health record and the appropriate immunization tracking system. Include date, immunization given, dose, anatomical location of administration, lot number, manufacturer, Vaccine Information Sheet (VIS) date, and the identification of the person administering the vaccine. If vaccine was not given, record the reason for non-receipt.

6. Be prepared to manage a medical emergency related to the administration of vaccines by having a written emergency medical protocol available, as well as appropriate equipment and medications.
7. Adverse events occurring after administration of any vaccine should be reported to the Vaccine Adverse Event Reporting System (VAERS). Reports can be submitted to VAERS online, by fax, or by mail. Additional information about VAERS is available by telephone (800-822-7967) or online at <https://vaers.hhs.gov>.
8. This policy and procedure shall remain in effect for all patients of the _____ until rescinded and/or upon a change in the Medical Director, whichever is earlier.

Medical Director's Signature

Date