

Quick Look at Recombinant Influenza Vaccine, quadrivalent (RIV4), 2020-21

Annual influenza vaccination is recommended for all persons aged 6 months and older, including all healthy persons!

Indications for Use and Schedule

- Use RIV4 (Flublok® Quadrivalent) for persons aged **18 years and older**
- Vaccination is recommended to be offered by the end of October and **continued throughout the flu season** until vaccine expires

Key Points

- **No** preference for any flu vaccine product for any age group
 - Ensure vaccination occurs with an **age-appropriate product and dose volume**
- Persons aged 9 years and older only need 1 dose of flu vaccine, regardless of previous flu vaccination history

Vaccine Administration¹

- Administer RIV4 **intramuscular (IM)** in the deltoid of the arm (preferred) or anterolateral thigh using a 1- to 1.5-inch needle
- Can be given with other vaccines at the same visit – do not miss an opportunity
 - Use separate sites, space at least 1-inch apart

Storage and Handling

- Store in the refrigerator at **36°F to 46°F (2°C to 8°C)**
- Pharmaceutical-grade (purpose-built) units are preferred for vaccine storage
- Do **not** freeze; keep in original box with lid on/protect from light
- Store different flu vaccine formulations apart and label with age indications
- Do **not** use expired vaccine

INFLUENZA DOSE VOLUME IS BASED ON AGE AND FLU VACCINE PRODUCT:

- RIV4 dosage for persons aged 18 years and older is **0.5 mL** per dose
- For dose volumes of IIVs, refer to “2020-21 Seasonal Influenza Vaccine Dose Volumes for Children” at www.michigan.gov/flu

CONTRAINDICATIONS (PERSONS WHO SHOULD NOT RECEIVE RIV4):

- Severe allergic reaction (e.g., anaphylaxis) to any component of the vaccine

PRECAUTIONS (IN CERTAIN CIRCUMSTANCES, PERSONS MAY RECEIVE RIV4):

- Moderate or severe acute illness with or without fever
- History of Guillain-Barré syndrome (GBS) within 6 weeks of previous flu vaccination

FURTHER POINTS TO CONSIDER:

- Vaccination is recommended to be offered by the end of October and **continued throughout the flu season** until vaccine expires
- **Note:** For persons who report egg allergy, administer any flu vaccine appropriate for the recipient's age and health status; if the person reports a reaction to eggs other than hives and a vaccine other than ccIIV4 or RIV4 is used, administer flu vaccine in a medical setting in which a healthcare provider with experience in recognition and management of severe allergic conditions is immediately available
 - RIV4 **does not** contain egg protein
 - Refer to "2020-21 Influenza Vaccination for Persons Who Report Egg Allergy" at www.michigan.gov/flu
- RIV4 contains recombinant hemagglutinin produced in an insect cell line using genetic sequences from cell-derived influenza viruses and is manufactured without the use of influenza viruses or eggs
- RIV4 can be given with all other vaccines and with antiviral medications; for more information, refer to www.cdc.gov/flu
- Use current IIV/RIV Vaccine Information Statement (VIS) with details about the Michigan Care Improvement Registry (MCIR); Michigan VIS are posted at www.michigan.gov/VIS
- Document type of flu vaccine given on vaccine administration record and record card as "RIV4"
- For more information on Cell Culture-based IIV (ccIIV4, Flucelvax® Quadrivalent), Inactivated Influenza Vaccines (IIV4, High-Dose IIV4, and Adjuvanted IIV), or Live Attenuated Influenza Vaccine (LAIV4, FluMist® Quadrivalent), refer to additional Quick Looks at www.michigan.gov/vaccinequicklooks

¹Assessment of needle size and injection site must be made for each person based on size of the muscle, thickness of adipose tissue at the injection site, volume of the material to be administered, and injection technique. For more information, see Advisory Committee on Immunization Practices (ACIP) General Best Practice Guidelines for Immunization at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.html.

For more guidance on influenza vaccine recommendations, refer to "Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP—U.S., 2020-21 Influenza Season," MMWR Recomm Rep 2020; 69(No. RR-8):1-24, located at www.cdc.gov/mmwr.

Eligible adults, particularly those who are uninsured and underinsured, may receive adult flu vaccine from a participating Michigan Adult Vaccine Program (MI-AVP) provider such as local health departments, federally qualified health centers, tribal health centers, migrant health centers, etc.

For more information regarding flu vaccination, contact your local health department, visit Michigan Department of Health and Human Services at www.michigan.gov/flu, or visit www.cdc.gov/flu or www.cdc.gov/mmwr.