

Quick Look at Cell Culture-based Inactivated Influenza Vaccine, quadrivalent (ccIIV4), 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 ccIIV4 (Flucelvax® Quadrivalent) for persons aged **4 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**
- Some children aged 6 months through 8 years may need 2 doses of 2020-21 seasonal flu vaccine to best protect them (see below)
- Persons aged 9 years and older only need 1 dose of flu vaccine, regardless of previous flu vaccination history

Vaccine Administration¹

- Administer ccIIV4 **intramuscular (IM)** in the deltoid of the arm (preferred) or the anterolateral thigh
 - Children (4 years and older): 1-inch needle
 - Adolescents/adults: 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 IIV formulations apart and label with age indications
- Do **not** use expired vaccine
- Multi-dose vial (MDV) – Flucelvax MDV may be used up until the expiration date, between uses return the MDV to recommended storage conditions

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

- ccIIV dosage for persons aged 4 years and older is **0.5 mL** per dose
- For dose volumes of other IIVs, refer to “2020-21 Seasonal Influenza Vaccine Dose Volumes for Children” at www.michigan.gov/flu

INFORMATION ON WHICH CHILDREN AGED 6 MONTHS THROUGH 8 YEARS NEED 2 DOSES OF FLU VACCINE:

- Determination of the number of doses needed is based on the number of doses of flu vaccine received in previous seasons and the age at the time of the first dose of 2020-21 flu vaccine
- Children aged 6 months through 8 years who received 2 or more total doses of any trivalent or quadrivalent flu vaccine (i.e., IIV3, IIV4, LAIV3, LAIV4, ccIIV3, ccIIV4) at least 4 weeks apart before July 1, 2020, only need 1 dose of 2020-21 flu vaccine
- If a child has not received at least 2 trivalent or quadrivalent flu vaccines at least 4 weeks apart before July 1, 2020, give 2 doses of 2020-21 flu vaccine separated by 4 weeks
 - Give the 1st dose as soon as possible after vaccine becomes available to allow the 2nd dose to be received by the end of October
 - Both doses should be administered even if the child turns 9 years old between dose 1 and dose 2
- Refer to “Who Needs 2 Doses of 2020-21 Seasonal Influenza Vaccine?” at www.michigan.gov/flu

CONTRAINDICATIONS (PERSONS WHO SHOULD NOT RECEIVE cclIV4):

- Severe allergic reaction (e.g., anaphylaxis) after a previous dose of flu vaccine or one of its components

PRECAUTIONS (IN CERTAIN CIRCUMSTANCES, PERSONS MAY RECEIVE cclIV4):

- 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; for children who need 2 doses and haven't received both by the end of October as recommended, still complete their 2-dose series ensuring at least 4 weeks between doses
- **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 cclIV4 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
 - cclIV4 **does not** contain egg protein
 - Refer to "2020-21 Influenza Vaccination for Persons Who Report Egg Allergy" at www.michigan.gov/flu
- A CDC study showed a small increased risk for febrile seizures during the 24 hours following simultaneous administration of IIV and PCV13 and/or DTaP. ACIP has considered the risks and benefits and recommends these vaccines be given concomitantly when needed. For more information, refer to www.cdc.gov/vaccinesafety/concerns/febrile-seizures.html.
- cclIV4 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 "cclIV4"
- For more information on Recombinant Influenza Vaccine (RIV4, Flublok® Quadrivalent), Live Attenuated Influenza Vaccine (LAIV4, FluMist® Quadrivalent), or Inactivated Influenza Vaccines (IIV4, High-Dose IIV4, and Adjuvanted IIV), refer to additional Quick Looks at www.michigan.gov/vaccinequicklooks

¹ Assessment 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.

Publicly purchased cclIV4 can be administered to eligible children aged 4 through 18 years through the Vaccines for Children (VFC) program. Eligible children include those who are uninsured, underinsured, Medicaid eligible, American Indians and Alaskan Natives. 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.

Rev. August 28, 2020
Page 2 of 2