

A Quick Look at Live, Attenuated Influenza Vaccine, Quadrivalent (LAIV4)

<p>Annual influenza vaccination is recommended for all persons 6 months of age and older, including all healthy persons!</p> <p>Indications for Use and Schedule</p> <ul style="list-style-type: none"> • LAIV4 (intranasal) is for persons <u>aged 2 years through 49 years</u> who: <ul style="list-style-type: none"> - Are healthy and are not pregnant • Begin vaccinating as soon as flu vaccine is available and continue throughout the flu season (until vaccine is expired) 	<p>LAIV4 Administration</p> <ul style="list-style-type: none"> • Administer intranasal 0.2 mL <ul style="list-style-type: none"> - Spray 0.1mL into each nostril as indicated by dose-divider clip on sprayer - Use 0.2 mL dose for all ages 2-49 years • Can be given with all other vaccines • If LAIV4 is not given on the same day as other live vaccines (MMR, VAR, and MMRV), must be separated by 28 days
<p>MCIR 2-Dose Pediatric Rule for Children aged 6 Months through 8 Years*</p> <ul style="list-style-type: none"> • Those without the following documented history will need 2 doses of flu vaccine: <ul style="list-style-type: none"> - <u>At least 2 doses</u> of any seasonal flu vaccine (IIV/LAIV) given <ul style="list-style-type: none"> o From the same or 2 different past flu seasons <p style="text-align: center;">AND</p> <ul style="list-style-type: none"> - <u>At least 1 dose</u> of the seasonal flu vaccine given between July 1, 2010 and June 30, 2013 or the child had <u>at least 1 dose</u> of monovalent 2009 H1N1 vaccine • If 2 doses are indicated, flu vaccines should be separated by at least 4 weeks 	<p>Storage and Handling</p> <ul style="list-style-type: none"> • Store in the refrigerator unit • Do NOT freeze • Keep in original box with lid on • Do NOT use expired vaccine <ul style="list-style-type: none"> - LAIV4 expiration dates differ from other flu <div style="border: 2px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;"> <p>LAIV4</p> <p>35°-46°F (2°-8°C)</p> </div>

***Additional Information on the 2-Dose Pediatric Rule**

- It is preferred that when two doses are needed that the same vaccine type be used: two IIV3, two IIV4 or two LAIV4, however a mix of these vaccines may be used to complete the 2 dose series.
- Refer to “Who Needs 2 Doses of 2013-14 Seasonal Influenza Vaccine?” at www.michigan.gov/flu

Contraindications

- Serious allergic reaction (e.g. anaphylaxis) to a previous dose of flu vaccine or one of its components
- The following persons should receive Inactivated Influenza Vaccine, trivalent (IIV3) or quadrivalent (IIV4)**
- Persons aged less than 2 years or older than 49 years
 - Children aged 2-4 years with a history of asthma or recurrent wheezing within the past 12 months
 - Children receiving long-term aspirin therapy
 - Pregnant
 - Immunosuppression from any cause
 - Household/close contacts including HCP, of severely immunosuppressed persons requiring a protective environment

Precautions

- Moderate or severe acute illness
- History of Guillain-Barré Syndrome (GBS) within 6 weeks of a previous influenza vaccination
- Persons with a history of egg allergy**

****Note:** For persons who report an egg allergy: give Recombinant Influenza Vaccine, trivalent (RIV3) to those aged 18-49 years if available **or**, determine if it is safe to give Inactivated Influenza Vaccine, trivalent (IIV3) or quadrivalent (IIV4).

- Refer to: “Influenza Vaccine Screening Algorithm for Persons who Report an Egg Allergy” available at www.michigan.gov/flu

Further points to consider

- Trivalent Influenza Vaccines (IIV3) and Quadrivalent Influenza Vaccines (IIV4 & LAIV4) will be available this flu season
- IIV3: Contains protection against 2 “A” flu strains and 1 “B” flu strain
- LAIV4 & IIV4: Contain protection against 2 “A” flu strains (same as IIV3) and 2 “B” flu strains (1 same as IIV3 & 1 additional “B” strain)
- LAIV4 will be the only live, attenuated flu vaccine available this season; LAIV (trivalent) is no longer being made.
- No change to recommendations between LAIV (2012-2013 season) and LAIV4 (2013-2014 season)
- For additional information on IIV3 or IIV4, refer to: “A Quick Look at Using Inactivated Influenza Vaccines (Trivalent and Quadrivalent): IIV3, IIV4, IIV3 ID, IIV3 High Dose, posted at www.michigan.gov/immunize
- HCP who are pregnant or have chronic medical conditions other than severe immunosuppression, can administer LAIV4
- If LAIV4 is given to a close contact/HCP of a severely immunosuppressed person, contact should be avoided for 7 days
- LAIV4 should not be given with antiviral medications; Give IIV; See Influenza ACIP statement for further guidance
- LAIV4 may be given on the same day as a TB test (PPD). If not same day, wait at least 4 weeks after LAIV4 to administer the PPD test
- Document LAIV4 doses in Michigan Care Improvement Registry (MCIR) on the “Add Imm” screen under “Vaccine” as “Influenza LAIV4 (FluMist)” and on the vaccine administration record & record card as “LAIV4”
- Use the current LAIV4 VIS, including information about MCIR. The Michigan VIS is posted at www.michigan.gov/immunize

Publicly purchased flu vaccine can be administered to eligible children 6 months through 18 years of age, through the VFC program in private providers’ offices. Eligible children include those who are uninsured, underinsured, Medicaid eligible, Native American or Alaskan Natives.

For more information or updates to this form: Contact your local health department or visit MI Dept of Community Health www.michigan.gov/immunize or CDC www.cdc.gov/flu Refer to: “Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP, U.S., 2013-14 Influenza Season, MMWR Vol. 62 (7) 9/20/13. For further information & additional forms regarding flu vaccination, refer to: <http://www.michigan.gov/flu> or <http://www.cdc.gov/vaccines/> or cdc.gov/mmwr/.