### Live, Attenuated Intranasal Vaccine (LAIV)

**Annual influenza vaccination is recommended for all persons 6 months of age and older, including all healthy persons.**

**Indications for Use and Schedule**
- LAIV (intranasal) is for persons aged 2 years through 49 years who:
  - 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)

**2-Dose Pediatric Rule for Children aged 6 Months through 8 Years**
- Those without the following documented history will need 2 doses of flu vaccine:
  - **At least 2 doses** of any seasonal flu vaccine (TIV/LAIV) given
    -- From the same or 2 different past flu seasons **AND**
  - **At least 1 dose** of the seasonal flu vaccine given since July 1, 2010
Or the child had at least 1 dose of monovalent 2009 H1N1 vaccine
- If 2 doses are indicated, flu vaccines should be separated by at least 4 weeks

### LAIV Administration
- Administer intranasal 0.2 mL
  - Spray 0.1 mL 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 LAIV is not given on the same day as other Live vaccines (MMR, VAR, MMRV), must be separated by 28 days

### Storage and Handling
- Store in the refrigerator unit at 35°-46°F (2°-8°C)
- Do NOT freeze
- Keep in original box with lid on
- Do NOT use expired vaccine

### Contraindications
- Serious allergic reaction (e.g. anaphylaxis) to a previous dose of flu vaccine or one of its components
- Persons aged less than 2 years or older than 49 years **Pregnancy**
- Children aged 2-4 years with a history of asthma or recurrent wheezing within the past 12 months **Immunosuppression from any cause**
- Children receiving long-term aspirin therapy **Chronic Medical Conditions**
- Household/close contacts including HCP, of severely immunosuppressed persons requiring a protective environment

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

**NOTE:** Persons who report an egg allergy may be able to receive TIV. To ensure vaccine safety:
- Refer to the CDC Vaccine Screening Algorithm for Persons who report an Egg Allergy ²

### Further Points
- All seasonal flu vaccines contain the same 3 viral strains; 2 of the 3 strains changed for 2012-13 flu season
- HCP who are pregnant or have chronic medical conditions other than severe immunosuppression, can administer LAIV
- If LAIV is given to a close contact/HCP of a severely immunosuppressed person, contact should be avoided for 7 days
- LAIV should not be given with antiviral medications; Give TIV; See Influenza ACIP statement for further guidance
- LAIV may be given on the same day as a TB test (PPD). If not on the same day, wait at least 4 weeks after LAIV was given to administer the PPD test
- Use the current LAIV VIS. Vaccine Information Sheet may be found at your local health department or at www.cdc.gov/vaccines

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Adapted from the Michigan Department of Community Health  
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