# Live Attenuated Influenza Vaccine (LAIV) Vaccine Protocol

vaccine protocol for age 2 through 49 years

**Document reviewed and updated:** **August 28, 2024**

## Condition for protocol

To reduce incidence of morbidity and mortality of influenza disease.

## Policy of protocol

The nurse will implement this protocol for live attenuated influenza (LAIV) vaccination.

## Condition-specific criteria and prescribed actions

**Delete this entire paragraph before printing/signing protocol.**

[Instructions for persons adopting these protocols: The table below lists indication, contraindication, and precaution criteria and suggested prescribed actions that are necessary to implement the vaccine protocol. The prescribed actions include examples shown in brackets but may not suit your institution’s clinical situation and may not include all possible actions. A licensed prescriber must review the criteria and actions and determine the appropriate prescribing action.]

Indications

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| --- | --- |
| Criteria | Prescribed action |
| Person is currently healthy person age 2 through 49 years. | Proceed to vaccinate if meets remaining criteria. |
| Person is age 6 through 23 months of age or 50 years or older. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person previously received LAIV and subsequently received influenza antivirals within 2 weeks of vaccination. | Proceed to revaccinate if meets remaining criteria, specifically timing intervals since last dose of antiviral, and at least 4 weeks from previous LAIV dose. |

Contraindications

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| Criteria | Prescribed action |
| Person had a severe allergic reaction (anaphylaxis) to a previous dose of any type of influenza vaccine. | Do not vaccinate; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Child age 2 through 18 years who is currently on aspirin- or salicylate-containing therapy. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person has severe allergic reaction (anaphylaxis) to a component of LAIV. | Do not vaccinate; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Child age 2 through 4 years with asthma, recurrent wheezing, or wheezing episode in the past 12 months. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Immunocompromised due to any cause. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Close contact or care giver of a severely immunosuppressed person who is in a protected environment (i.e., protective isolation). | [Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol.]  [Give LAIV and instruct to avoid providing care for severely immunosuppressed person requiring a protected environment for 7 days after vaccination.] |
| Pregnant woman. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person has a CSF communication leak with oropharynx, nasopharynx, nose ear or any other cranial CSF leak. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person has a cochlear implant. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |

Precautions

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| Criteria | Prescribed action |
| Person has had Guillain-Barré syndrome (GBS) within 6 weeks of a previous dose of influenza vaccine. | [Refer to primary care provider for assessment of situation and risk-benefit determination.]  [Proceed to vaccinate after discussing risk and benefit of influenza vaccination and GBS.] |
| Person has a severe allergic reaction (anaphylaxis) to eggs. | [Proceed to vaccinate.]  [Offer ccIIV3 or RIV3 if available or refer to primary care provider.] |
| Asthma in persons age 5 years and older. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person has an underlying medical condition that might predispose to complication after wild-type influenza, e.g., chronic pulmonary or cardiovascular disease, diabetes, renal, hepatics neurologic, hematologic disorders. | Do not give LAIV. Give an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person has nasal congestion that blocks their ability to breathe through the nose. | Defer vaccination until congestion resolves or if available, offer an inactivated (non-live) influenza product using the age appropriate IIV protocol. |
| Person received another live virus vaccine within the past 4 weeks. | [Defer vaccination until 4 weeks have passed.]  [Give an inactivated (non-live) influenza product using the age appropriate IIV protocol.] |
| Person is currently on influenza antiviral therapy. | Give an inactivated (non-live) influenza product using the age appropriate IIV protocol.  **Or** defer vaccination using the following intervals based on antiviral product used:   * Oseltamivir and Zanamidir: Wait until 48 hours following the last dose. * Peramivir: Wait until 5 days following the last dose. * Baloxavir: Wait until 17 days following the last dose. |
| Person has a mild illness defined as temperature less than \_\_\_\_°F/°C with symptoms such as: [to be determined by medical prescriber] | Proceed to vaccinate. |
| Child has a moderate to severe illness defined as  temperature \_\_\_\_°F/°C or higher with symptoms such as: [to be determined by medical prescriber] | Defer vaccination and [to be determined by medical prescriber] |

## Prescription

Give FluMist spray: 0.1 mL into each nostril.

Follow the algorithm on the next page in order to determine which child age 2 through 8 years\* needs a second dose of influenza vaccine. May give LAIV or IIV.

* When indicated based on age, give the 2nd dose at least 4 weeks after the first dose.

\*This age range applies to LAIV only because LAIV is licensed for children starting at age 2 years. Certain inactivated influenza vaccines allow the second dose for children as young as age 7 months (when first dose was given at age 6 months). Please refer to Inactivated Influenza Vaccine (IIV) Protocol, Children Age 6 Months through 8 Years.

## Medical emergency or anaphylaxis

Follow pre-established agency protocol for anaphylaxis.

## Question or concerns

**Insert overseeing medical consultant’s information below and delete this sentence before printing/signing.**

In the event of questions or concerns call (insert name) at (insert phone number).

**This protocol shall remain in effect until rescinded.**

Name of prescriber (please print):

Prescriber signature:

Date: