

2021-22 Influenza Vaccination for Persons Who Report Egg Allergy

For the 2021-22 influenza season, the Advisory Committee on Immunization Practices (ACIP) recommends the following:

1. Persons with a history of egg allergy who have experienced **only hives** after exposure to egg should receive influenza vaccine
 - Use any licensed, recommended influenza vaccine (i.e., any IIV4, RIV4, or LAIV4) that is otherwise appropriate for the recipient's age and health status
2. Persons who report having a reaction to egg involving symptoms **other than hives** (e.g., angioedema or swelling, respiratory distress, lightheadedness, or recurrent vomiting) or who required epinephrine or another emergency medical intervention:
 - May receive any licensed, recommended influenza vaccine (i.e., any IIV4, RIV4, LAIV4) that is otherwise appropriate for their age and health status
 - If a vaccine other than cclIV4 or RIV4 is used, it should be administered in an inpatient or outpatient medical setting
 - Vaccine administration should be supervised by a health care provider who is able to recognize and manage severe allergic reactions

Remember:

It is important to screen and review the contraindications and precautions for any vaccine. With flu vaccine it is important to know the type of flu vaccine being administered to assess for vaccine specific contraindications and precautions.

- For further information on contraindications and precautions review the Quick Looks for Influenza Vaccines (IIV4, LAIV4, cclIV4, and RIV4) at:

www.michigan.gov/vaccinequicklooks

"Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP—U.S., 2021-22 Influenza Season," MMWR Recomm Rep 2021; 70(No. RR-5):1-28, located at www.cdc.gov/vaccines. For further information regarding flu vaccination, refer to www.michigan.gov/flu, www.cdc.gov/vaccines, or www.cdc.gov/mmwr.

Michigan Department of Health and Human Services — Division of Immunization

Points to consider for the 2021-22 Influenza Season

- Influenza vaccine abbreviations
 - Inactivated Influenza Vaccine – quadrivalent (IIV4)
 - Recombinant Influenza Vaccine – quadrivalent (RIV4)
 - Live Attenuated Influenza Vaccine – quadrivalent (LAIV4)
 - Cell Culture-based Inactivated Influenza Vaccine – quadrivalent (ccIIV4)
- **Severe allergic reactions, including anaphylaxis, can occur to any vaccine component** (Such reactions are rare and are not always related to egg protein)
- For a complete list of contraindications and precautions for influenza vaccines review the Quick Looks for:
 - **Egg-based IIV4s and LAIV4:**
 - [Quick Look: 2021-2022 Inactivated Influenza Vaccines: IIV4, HD-IIV4, aIIV4](#)
 - [Quick Look: 2021-2022 Live Attenuated Influenza Vaccine \(LAIV4\)](#)
 - **ccIIV4:** [Quick Look: 2021-2022 Cell Culture-based IIV \(ccIIV4\)](#)
 - **RIV4:** [Quick Look: 2021-2022 Recombinant Influenza Vaccine \(RIV4\)](#)
- With the exceptions of ccIIV4 and RIV4, available influenza vaccines are prepared by growing virus in embryonated eggs and might contain trace amounts of egg protein
- Tolerance to egg-containing foods does not exclude the possibility of egg allergy
- Severe allergic reactions to vaccines, although rare, can occur at any time, even in the absence of a history of previous allergic reaction; all vaccine providers should be familiar with their office emergency plan and be certified in cardiopulmonary resuscitation (CPR)
- For clinics that are administering vaccines, a minimum of epinephrine and equipment for maintaining an airway should be readily available, and staff should be trained on how to use it appropriately
 - Emergency medications, such as epinephrine, and equipment for maintaining an airway should not be expired or outdated
 - Refer to Immunization Action Coalition’s handouts on medical management of vaccine reactions at <https://immunize.org/handouts/vaccine-reactions.asp>
- For persons who report an egg allergy, it is not recommended to administer divided doses of influenza vaccine or to skin test with the vaccine before administering any flu product
- No post-vaccination observation period is recommended specifically for egg-allergic persons; however, ACIP recommends observing patients (seated or supine) for 15 minutes after administration of **any** vaccine to decrease the risk for injury should syncope occur

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