

Seasonal Influenza Vaccines 2022-2023

Use the Correct Product and Presentation Based on the Patient's Age and Status

Vaccine Type ¹	Brand	Presentation	Age Indication ²
QUADRIVALENT			
IIV4	Fluarix [®] Quadrivalent (GlaxoSmithKline)	Prefilled 0.5 mL syringe	6 months & older ²
IIV4	FluLaval [®] Quadrivalent (GlaxoSmithKline)	Prefilled 0.5 mL syringe	6 months & older ²
IIV4	Fluzone [®] Quadrivalent (Sanofi Pasteur)	5.0 mL multi-dose vial ⁴	6 through 35 months (0.25 or 0.5 mL) ²
		Prefilled 0.5 mL syringe	3 years & older (0.5 mL)
		0.5 mL single-dose vial	6 months & older ²
IIV4	Afluria [®] Quadrivalent (Seqirus)	5.0 mL multi-dose vial ^{4,5}	6 through 35 months (0.25mL) ²
		Prefilled 0.5 mL syringe	3 years & older
LAIV4	FluMist [®] Quadrivalent (AstraZeneca)	Prefilled 0.2 mL single-use intranasal sprayer	2 through 49 years if healthy and not pregnant persons
ccIIV4	Flucelvax [®] Quadrivalent (Seqirus)	Prefilled 0.5 mL syringe	6 months & older ²
		5.0 mL multi-dose vial ⁴	6 months & older (0.5 mL) ²
RIV4 ⁶	Flublok [®] Quadrivalent (Sanofi Pasteur)	Prefilled 0.5 mL syringe	18 years & older
HD-IIV4 ⁶	Fluzone [®] High-Dose (Sanofi Pasteur)	Prefilled 0.7 mL syringe ²	65 years & older
aIIV4 ⁶	Fluad ^{®3} Quadrivalent (Seqirus)	Prefilled 0.5 mL syringe	65 years & older

Available VFC presentations are in gray boxes.

¹Abbreviations: Inactivated Influenza Vaccine (IIV4), Adjuvanted (aIIV4), High-Dose (HD-IIV4), Cell Culture-based (ccIIV4), Recombinant Influenza Vaccine (RIV4); Live Attenuated Influenza Vaccine (LAIV4). Numbers indicate number of flu virus antigens.

²Dose volume for **standard-dose IIV** is based on **age** and **flu vaccine** product. For 3 years and older, dose volume is **0.5 mL** regardless of flu vaccine product (exception: **Fluzone High-Dose** the correct volume is **0.7 mL**). Dose volume for IIV4 vaccines for children aged 6-35 months: **0.25 mL** per dose of **Afluria**; **0.5 mL** per dose for **Fluarix** and **FluLaval**; **either 0.25 mL per dose or 0.5 mL per dose** of **Fluzone**. No preference is expressed for either Fluzone dose volume for this age group. Dose volume of ccIIV4 vaccine for children aged 6 months and older: 0.5 mL per dose of Flucelvax. See “2022-23 Seasonal Influenza Vaccine Dose Volumes for Children” at www.michigan.gov/flu/resources/resources-for-health-professionals.

³Fluad includes the adjuvant MF59C.1.

⁴Per the package inserts, for Afluria Quadrivalent, “once the stopper of the multi-dose vial has been pierced the vial must be discarded within 28 days. The number of needle punctures should not exceed 20 per multi-dose vial.” For Fluzone Quadrivalent, “a maximum of 10 doses can be withdrawn from the multi-dose vial,” even if drawing out 0.25 mL doses. A Flucelvax Quadrivalent multi-dose vial may be used up until the expiration date.

⁵Afluria is approved by the Food and Drug Administration for intramuscular administration with a PharmaJet[®] Stratis[®] Needle-Free Injection System for persons aged 18 through 64 years.

⁶ACIP recommends that adults aged 65 years and older preferentially receive any one of the following: HD-IIV4, RIV4, or aIIV4. If none of these three vaccines is available at an opportunity for vaccine administration, then any other age-appropriate influenza vaccine should be administered.

Use this chart to help prevent errors. Highlight the flu vaccine(s) you have in your storage unit and know the age indications. Ensure you give the correct vaccine at the correct dose volume to the correct person based on age. For 2-dose recommendations, see “Who Needs 2 Doses of 2022-23 Seasonal Influenza Vaccine?” at www.michigan.gov/flu/resources/resources-for-health-professionals. Refer to “Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP—U.S., 2022-23 Influenza Season,” MMWR Recomm Rep 2022;-71(1); 1-28, located at www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/flu.html. For additional information regarding flu and flu vaccination, refer to www.michigan.gov/flu, www.cdc.gov/vaccines, or www.cdc.gov/mmrw.