



Annual Flu Vaccine Update

The Centers for Disease Control and Prevention (CDC) reported that 175 million influenza vaccine doses were distributed during the 2021–22 flu season.^{1,2} Evidence shows flu vaccination significantly reduces the risk of flu-associated hospitalizations and intensive care unit admissions.³

Vaccine Recommendations for the 2022–23 Influenza Season⁴

- Annual influenza vaccination is recommended for all persons 6 months and older without contraindications.
- For most persons who need only one dose of influenza vaccine for the season, vaccination should ideally be offered during September or October. However, vaccination should continue throughout the season as long as influenza viruses are circulating and unexpired vaccine is available.
- All providers who administer any vaccines must have the personnel, medications and resuscitative equipment available to treat potential anaphylaxis.

Considerations for Special Populations⁴

- Age indications for Flucelvax Quadrivalent expanded to include persons 6 months and older.
- Children ages 6 months to 8 years who have not previously received at least two doses of flu vaccine, or whose flu vaccination history is unknown, will require two doses of 2022–23 influenza vaccine given at least four weeks apart.
- Adults 65 years or older should receive either the quadrivalent high-dose inactivated influenza vaccine, quadrivalent recombinant influenza vaccine or quadrivalent adjuvanted inactivated influenza vaccine.
- Providers should refer to current CDC/Advisory Committee on Immunization Practices recommendations and guidance for concomitant administration of COVID-19 vaccines with influenza vaccines or other vaccines.

Influenza Vaccine Products for the 2022–2023 Influenza Season⁴:

Vaccine	Trade Name	HA per dose	Age	Route*
Quadrivalent Inactivated Influenza Vaccine (cclIV4)	Flucelvax Quadrivalent [†]	15 mcg / 0.5 mL	≥ 6 mos	IM
Quadrivalent Inactivated Influenza Vaccines (iIV4)	Afluria Quadrivalent [¶]	7.5 mcg / 0.25 mL	6–35 mos	IM
		15 mcg / 0.5 mL	≥ 3 yrs [¶]	
	Fluarix Quadrivalent	15 mcg / 0.5 mL	≥ 6 mos	IM
	FluLaval Quadrivalent	15 mcg / 0.5 mL	≥ 6 mos	IM
	Fluzone Quadrivalent [†]	15 mcg / 0.5 mL	≥ 6 mos	IM
Quadrivalent Inactivated Influenza Vaccine High-Dose (HD-iIV4)	Fluzone High-Dose	60 mcg / 0.7 mL	≥ 65 yrs	IM
Quadrivalent Adjuvanted Inactivated Influenza Vaccine (aiIV4)	Fluad Quadrivalent	15 mcg / 0.5 mL	≥ 65 yrs	IM
Quadrivalent Recombinant Influenza Vaccine (RiV4)	Flublok Quadrivalent	45 mcg / 0.5 mL	≥ 18 yrs	IM
Quadrivalent Live Attenuated Influenza Vaccine (LAiV4)	FluMist Quadrivalent [#]	10 ^{6.5-7.5} units / 0.2 mL (0.1 mL/nostril)	2–49 yrs	IN

*IM: Intramuscular, IN: Intranasal; [#]LAiV4 dose is in fluorescent focus units (virus count) per mL; [†]cclIV: cell culture-based influenza vaccine
[¶]Afluria Quadrivalent may alternatively be given by the PharmaJet Stratis jet injector for persons aged 18–64 years only
[†]Fluzone Quadrivalent is currently approved for ages 6–35 months at either 0.25 mL or 0.5 mL per dose; however, 0.25 mL prefilled syringes are not expected to be available for the 2022–23 season

References:

1. Influenza Vaccine Doses Distributed, United States. Reviewed on February 23, 2022. Available at <https://www.cdc.gov/flu/fluview/dashboard/vaccination-doses-distributed.html>. Accessed September 15, 2022.
2. Merced-Morales A, Daly P, Abd Elal AI, et al. Influenza Activity and Composition of the 2022–23 Influenza Vaccine – United States, 2021–22 Season. MMWR Morb Mortal Wkly Rep; 71:913-919.
3. Vaccine Effectiveness: How Well Do Flu Vaccines work? Reviewed on August 26, 2021. Available at <https://www.cdc.gov/flu/vaccines-work/vaccineeffect.htm>. Accessed September 15, 2022.
4. Grohskopf LA, Blanton LH, Ferdinands JM, et al. Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices – United States, 2022–23 Influenza Season. MMWR Recomm Rep 2022;71(No. RR-1): 1-28.