

[Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices — United States, 2022-2023 Influenza Season](#) has been published. CDC recommends everyone 6 months and older in the United States should get a flu vaccine every season with rare exception. More information about the [2022-2023 flu season](#) is also available.

For each recipient, a licensed and age-appropriate vaccine should be used.

With the exception of vaccination for adults aged ≥ 65 years, ACIP makes no preferential recommendation for a specific vaccine when more than one licensed, recommended, and age-appropriate vaccine is available.

All seasonal influenza vaccines
are quadrivalent

- A/Victoria/4897/2022 (H1N1)pdm09-like virus for egg-based vaccines and
- A/Wisconsin/67/2022 (H1N1)pdm09-like virus for cell-based or recombinant vaccines.

Inactivated influenza vaccines (IIV4s), recombinant influenza vaccine (RIV4), and live attenuated influenza vaccine (LAIV4) are expected to be available.

Trivalent influenza vaccines are **no longer available**, but data that involve these vaccines are included for reference.

Updated Influenza guidelines for 23-24

Timing:

September and October are the best times for most people to get vaccinated. A few exceptions:

- Pregnant people who are in their third trimester can get a flu vaccine in July or August
- For adults (especially those ≥ 65 years old) and pregnant people in the first and second trimester, vaccination in July-August should be avoided unless it won't be possible to vaccinate in September - October.
- Children [who need two doses](#) of flu vaccine should get their first dose of vaccine as soon as vaccine becomes available. The second dose should be given at least four weeks after the first.
- Vaccination in July or August can be considered for children who have health care visits during these months, if there might not be another opportunity to vaccinate them. For example, some children might have medical visits in the late summer before school starts and might not return to see a health care provider in September or October.

Influenza Vaccine 23-24

Egg allergies:

Previous recommendation:

- Additional safety measures recommended for administration of egg-based flu vaccine to people who have had severe allergic reactions to egg.

New Recommendation:

- Additional safety measures are no longer recommended for flu vaccination beyond those recommended for receipt of any vaccine.

Influenza Vaccine 23-24

[ACIP website with presentations](#)

Influenza Vaccine 23-24

ACIP recommends that adults aged ≥ 65 years preferentially receive any one of the following higher dose or adjuvanted influenza vaccines:

- quadrivalent high-dose inactivated influenza vaccine (Fluzone High-Dose Quadrivalent)
- quadrivalent recombinant influenza vaccine (Flucelvax)
- quadrivalent adjuvanted inactivated influenza vaccine (Fluad Quadrivalent)



If none of these three vaccines is available at an opportunity for vaccine administration, then any other age-appropriate influenza vaccine should be used.

[ACIP website with presentations](#)

<https://www.cdc.gov/flu/professionals/acip/2022-2023/acip-table.htm>

<https://www.cdc.gov/vaccines/acip/recs/grade/influenza-older-adults.html>



High-dose influenza vaccine in older adults by age and seasonal characteristics: Systematic review and meta-analysis update

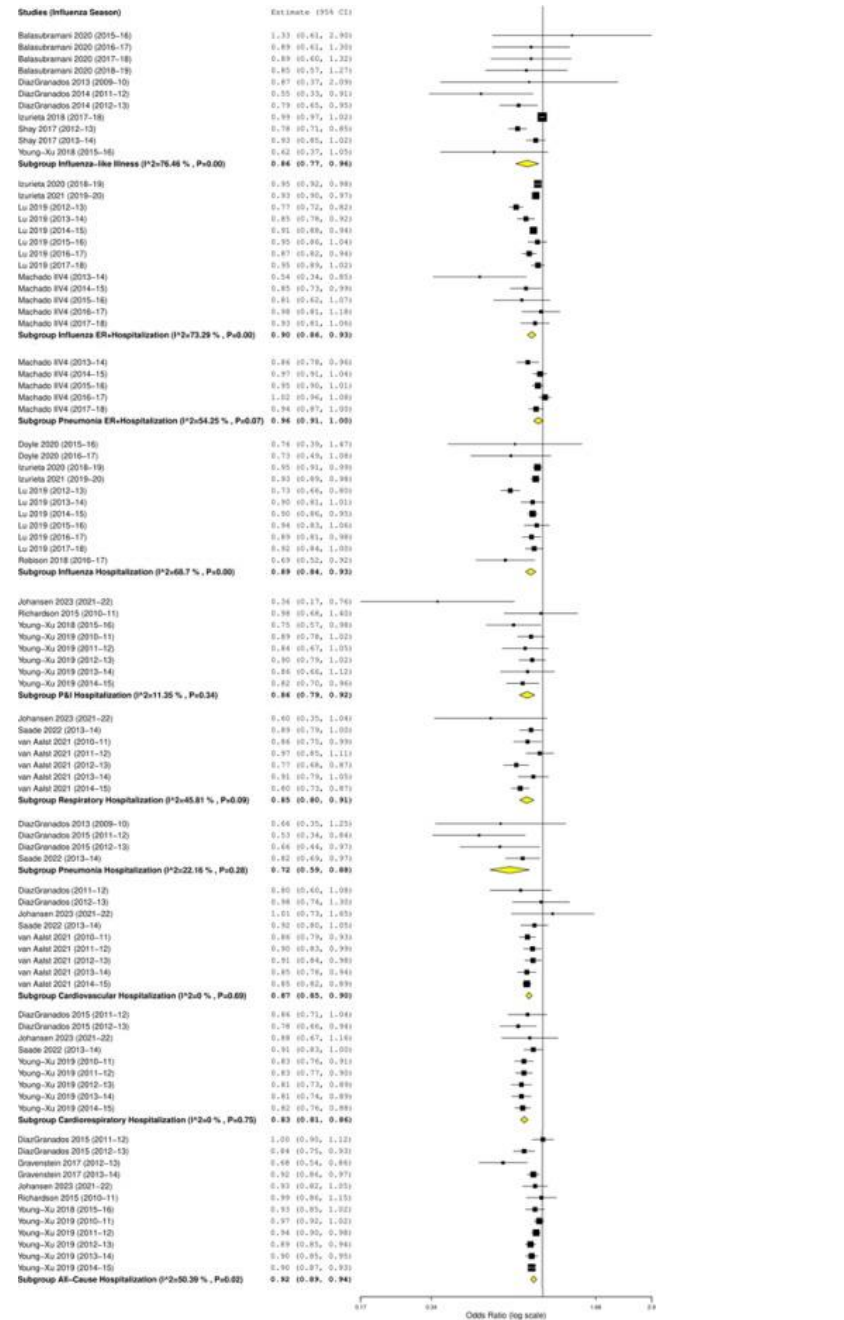
Jason K.H. Lee^{a, b}  , Gary K.L. Lam^{a, b}, J. Kevin Yin^{c, d}, Matthew M. Loiacono^e,
Sandrine I. Samson^f

Discussion



This *meta*-analysis of studies conducted over 12 influenza seasons, including over 45 million individuals aged ≥ 65 years, showed that HD-IIV provided significantly better protection than SD-IIV against ILI and influenza-related hospitalizations, as well as pneumonia-related hospitalizations, and cardiovascular, cardiorespiratory, and all-cause hospitalizations. New outcomes in the updated analysis were hospitalizations/ER visits and CV hospitalizations, against which HD-IIV provided better protection than SD-IIV. Furthermore, HD-IIV was more effective than SD-IIV against ILI during A/H3N2-dominant seasons and during seasons with vaccine mismatches.

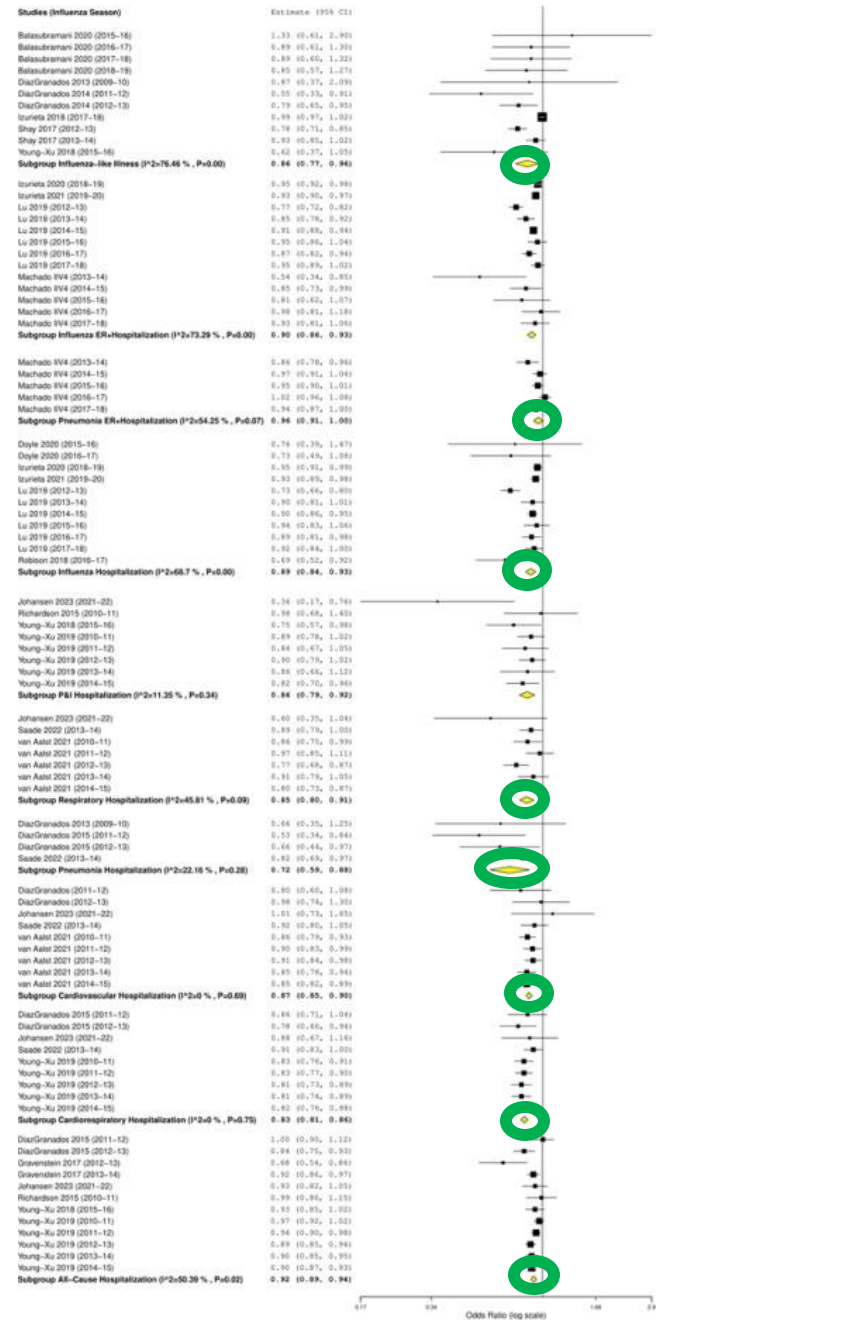
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UW Medicine Influenza Vaccines 2022-2023

Patient Population	Brand Name	Presentation	Availability	Age Group	Latex Free*	Thimerosal Free	Egg Protein Free**	Preservative Free	Contraindications
Patients <65 years	Fluarix Standard dose QUAD	0.5 mL prefilled syringe IM Injection	<i>Inpatient/ Employee Health</i>	≥6 months	Yes	Yes	No	Yes	Severe reaction (e.g. anaphylaxis) to any component of the vaccine or any influenza vaccine
	Flucelvax Standard dose QUAD	0.5 mL prefilled syringe IM Injection	<i>Clinics</i>	≥6 months	Yes	Yes	Yes	Yes	
Patients ≥65 years	FluAD (MF59 adjuvant) Standard dose <u>QUAD</u>	0.5mL prefilled syringe IM Injection	<i>Clinics and Inpatient</i>	≥65 years	Yes	Yes	No	Yes	Severe allergic reaction to any component of the vaccine, including injectable emulsion, egg protein, or after a previous dose of any influenza vaccine <i>Adjuvanted vaccines are <u>NOT recommended for solid organ transplant patients</u></i>
All solid organ transplant patients, regardless of age	Fluzone High dose QUAD	0.7 mL prefilled syringe IM injection	Limited Availability (restricted to solid organ transplant)	Solid Organ Transplant ≥1 month <u>post transplant</u>	Yes	Yes	No	Yes	Severe reaction (e.g. anaphylaxis) to any component of the vaccine or any influenza vaccine Contact Transplant Services with questions.
By Special Request Only	FluMIST QUAD "Live vaccine" Nasal spray	Nasal, 0.2 mL Administer 0.1ml per nostril.	Limited availability	2-49 years	Yes	Yes	No	Yes	Severe reaction (e.g. anaphylaxis) to any component of the vaccine or any influenza vaccine; Concomitant aspirin therapy
Do not administer live vaccine to immunocompromised individuals, pregnant women, patients with asthma or cochlear implants. Patients taking aspirin, other salicylates, antivirals for influenza, or healthcare workers taking care of immunocompromised patients should not receive this vaccine formulation.									

*No Natural Rubber Latex** Most Egg allergic patients can get the flu vaccine: See CDC website for details; Intradermal Influenza vaccine is not available this year. REFERENCES: Manufacturer Package Inserts, [TABLE Influenza vaccines — United States, 2022–23 influenza season](#) | CDC; updated 9/13/22 version 1.2