

Influenza Vaccine Information, by Age Group - United States, 2017-18 Influenza Season

Trade Name	Manufacturer	Presentation	Mercury/Ovalbumin Content (μg per 0.5 mL dose)	Age Group	Route
Inactivated influenza vaccines, quadrivalent (IIV4s), standard-dose[†]					
Afluria Quadrivalent	Seqirus	0.5 mL prefilled syringe	0.0	≥ 18 years	IM [§]
		5.0 mL multi-dose vial	24.5	≥ 18 years via needle; 18 - 64 years via jet injector	IM
Fluarix Quadrivalent	GlaxoSmithKline	0.5 mL prefilled syringe	0.00	≥ 3 years.	IM
FluLaval Quadrivalent	ID Biomedical Corporation of Quebec (distributed by GSK)	0.5 mL prefilled syringe	0.00	≥ 6 months	IM
		5.0 mL multi-dose vial	<25.0		
Fluzone Quadrivalent	Sanofi Pasteur	0.25 mL prefilled syringe	0.0	6 - 35 months	IM
		0.5 mL prefilled syringe	0.0	≥ 3 years	
		0.5 mL single dose vial	0.0	≥ 3 years	
		5.0 mL multi-dose vial	25	≥ 6 months	
Inactivated influenza vaccine, quadrivalent (ccIIV4), standard-dose,[†] cell cultured-based					
Flucelvax Quadrivalent	Seqirus	0.5 mL prefilled syringe	0.0	≥ 4 years	IM
		5.0 mL multi-dose vial	25.0		
Inactivated influenza vaccine, quadrivalent (IIV4), standard-dose, intradermal[¶]					
Fluzone Intradermal Quadrivalent	Sanofi Pasteur	0.1 mL prefilled microinjection system	0.0	18-64 years	ID**
Inactivated influenza vaccines, trivalent (IIV3s), standard-dose[†]					
Afluria	Seqirus	0.5 mL prefilled syringe	0.0	≥ 5 years	IM
		5.0 mL multi-dose vial	24.5	≥ 5 years via needle; 18-64 years via jet injector	
Fluvirin	Seqirus	0.5 mL prefilled syringe	≤ 1	≥ 4 years	IM
		5.0 mL multi-dose vial	25	≥ 4 years	
Adjuvanted inactivated influenza vaccine, trivalent (aIIV3), [†] standard-dose					
Fluad	Seqirus	0.5 mL prefilled syringe	0.0	≥ 65 years	IM
Inactivated influenza vaccine, trivalent (IIV3), high-dose^{§§}					
Fluzone High-Dose	Sanofi Pasteur	0.5 mL single dose prefilled syringe	0.0	≥ 65 years	IM
Recombinant influenza vaccine, quadrivalent (RIV4) ^{¶¶}					
Flublok Quadrivalent	Protein Sciences	0.5 mL prefilled syringe	0.0	≥ 18 years	IM
Recombinant influenza vaccine, trivalent (RIV3) ^{¶¶}					
Flublok	Protein Sciences	0.5 mL single dose vial	0.0	≥ 18 years	IM

Abbreviations: ACIP = Advisory Committee on Immunization Practices; ID = intradermal; IM = intramuscular

† Standard dose intramuscular IIVs contain 15 µg of each vaccine HA antigen (45 µg total for trivalents and 60 µg total for quadrivalents) per 0.5 mL dose.

§ For adults and older children, the recommended site for intramuscular influenza vaccination is the deltoid muscle. The preferred site for infants and young children is the anterolateral aspect of the thigh.

¶ Quadrivalent inactivated influenza vaccine, intradermal: a 0.1-mL dose contains 9 µg of each vaccine HA antigen (36 µg total).

** The preferred injection site is over the deltoid muscle. Fluzone Intradermal Quadrivalent is administered per manufacturer's instructions using the delivery system included with the vaccine.

§§ High-dose IIV3 contains 60 µg of each vaccine antigen (180 µg total) per 0.5 mL dose.

¶¶ RIV contains 45 µg of each vaccine HA antigen (135 µg total for trivalent 180 µg total for quadrivalent) per 0.5 mL dose.

Adapted from **Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices - United States, 2017–18 Influenza Season**. The full article is available [here](#).