

BENEFIT NEWS

WVCH: Flu Vaccines

October 1, 2018

Flu Vaccines 2018-2019

Flu season is upon us already! Last year ranked third in severity since the 2003-2004 season, which leads epidemiologist to predict another severe flu season. This year most of the flu vaccines are quadravalent, however the high dose and one of the adjuvant-added vaccines are trivalent. The Flumist will be available this year, which is the live-attenuated influenza (LAIV) intranasal mist vaccine, it is also quadravalent. The strains this year are:

A/Michigan/45/2-15 (H1N1)pdm09-like virus (*same as last year*)
A/Singapore/INFIMH-16-0019/2016 (H3N2)-like virus (*different from last year*)
B/Colorado/06/2017-like virus (*different from last year*)
B/Phuket/3073/2013-like virus (Yamagata lineage)- available in Quad (*same as last year*)

“Historically, 80-85% of pediatric deaths have occurred in unvaccinated children 6 months and older.”

- AAP

What's new this year?

There are some changes from previous years:



Fluzone Quad is a split-virus preparation vaccine that is recommended for patients ≥ 6 months, but is **dosed at 0.25ml for 6 to 36 months**. They have do have a pre-filled syringe of 0.25ml, but providers and staff must ensure that the correct dose is administered out of the MDV (15 μ g/0.5ml) which is still **0.25ml**, not 0.5ml.

Contraindications to LAIV (Flumist)

The live-attenuated influenza vaccine (LAIV) is approved for this season for patients aged 2 to 49 years old, but since it has been several seasons since it have been recommended it is important to review the contraindications for this particular vaccine.

- Concomitant aspirin or salicylate-containing therapy in children and adolescents
- Children aged 2 through 4 years who have received a diagnosis of asthma or has been told by a healthcare professional that they have had wheezing in the past 12 months
- Children and adults who are immunocompromised due to any cause
- Close contacts & caregivers of severely immunosuppressed persons who require a protected environment
- Pregnancy

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FLU VACCINES FOR 2018-2019 SEASON

Trade Name Manufacturer Type of vaccine	Presentation	Age Indication	HA, µG/dose (each virus)	Egg, cell or recombinant	Adjuvant	Latex	Thimerosal if yes amount of mercury µg/0.5ml	Cost
Alfuria Quad <i>Seqirus</i> IIV4	0.5ml prefilled	≥ 5 years	15	Egg	No	No	No	\$
	5 ml MDV	≥ 5 years 18-64 for jet injector	15	Egg	No	No	Yes (24.5)	\$
Fluarix Quad <i>GSK</i>	0.5ml prefilled	≥ 6 months	15	Egg	No	No	No	\$
FluLaval <i>ID Biomedical Corp</i> IIV4	5ml MDV	≥ 6 months	15	Egg	No	No	Yes (<25)	\$
Flucelvax Quad <i>Seqirus</i> ccIIV4	0.5ml prefilled	≥ 4 years	15	Cell	No	No	No	\$\$
	5ml MDV	≥ 4 years	15	Cell	No	No	Yes (25)	\$\$
Fluzone Quad <i>Sanofi Pasteur</i> IIV4	0.25ml prefilled	6 through 35 months	7.5/0.25ml	Egg	No	No	No	\$
	0.5ml prefilled	≥ 3 years	15/0.5ml	Egg	No	No	No	\$
	0.5ml SDV	≥ 3 years	15/0.5ml	Egg	No	No	No	\$
	5ml MDV	≥ 6 months	15/0.5ml	Egg	No	No	Yes (25)	\$
Afluria <i>Seqirus</i> IIV3	0.5ml prefilled	≥ 5 years	15	Egg	No	No	No	\$
	5ml MDV	≥ 5 years 18-64 years for jet injector	15	Egg	No	No	Yes (24.5)	\$
Fluad <i>Seqirus</i> aIIV3	0.5ml prefilled	≥ 65 years	15	Egg	Yes	No	No	\$\$\$
Fluzone HD <i>Sanofi Pasteur</i>	0.5ml prefilled	≥ 65 years	60	Egg	No	No	No	\$\$\$
Flublok Quad <i>Sanofi Pasteur</i>	0.5ml prefilled	≥ 18 years	45	Recombinant	No	No	No	\$\$\$
Flumist Quad <i>Medimmune</i> LAIV4	0.2ml prefilled nasal sprayer	2 through 49 years	10 fluores- cent focus units	Egg	No	No	No	\$\$

IIV4: Inactivated Influenza Vaccine Quadravalent, **IIV3:** Inactivated Influenza Vaccine Trivalent, **ccIIV4:** cell cultured Inactivated Influenza Vaccine, **aIIV3:** adjuvant inactivated influenza vaccine quadravalent, **HD-IIV3:** High-dose inactivated influenza vaccine trivalent, **LAIV4:** Live Attenuated Influenza Vaccine Quadravalent

*cost is based on purchased stock, such as a 10 pack of prefilled syringes or 10 MDV/SDV as is only an estimate for comparison. Costs are varied if enrolled in Vaccines For Children program which has a discounted cost for vaccines through the manufacturers.