



2022-2023 FLU SEASON
Office of Immunization

Presenter

Jacki Stockdale

*Operations and Response
Coordinator*

Vaccine Management

Objectives

1. Introduce the vaccine strains for the 2022-2023 Flu Season
2. Flu Products Supplied through the Childhood Vaccine Program
3. Allocation Process
4. Flu Orders: Creating and Reminders
5. Administration

2022-2023 Vaccine Strains

Quadrivalent Egg-Based

- H1N1 = A/Victoria/2570/2019; No Change
- H3N2 = A/Darwin/6/2021; replaces A/Cambodia/e0826360/2020
- B Victoria = B/Austria/1359417/2021; replaces B/Washington/02/2019
- B Yamagata = B/Phuket/3073/2013; No Change

Quadrivalent Cell or Recombinant-Based

- H1N1 pdm09 = A/Wisconsin/588/2019; No Change
- H3N2 = A/Darwin/6/2021; replaces A/Cambodia/e0826360/2020
- B Victoria = B/Austria/1359417/2021; replaces B/Washington/02/2019
- B Yamagata = B/Phuket/3073/2013; No Change



2022 – 2023 STATE SUPPLIED CHILDHOOD FLU VACCINES AT A GLANCE

Characteristic	Fluzone Quad, PF	Fluzone Quad	FluLaval Quad, PF	FluMist Quad, PF	Flucelvax Quad, PF
Product Name	Fluzone® 0.5mL single dose (ages 6+ months) '22-23	Fluzone® 5.0mL MDV (ages 3+ years) '22-23	FluLaval® 0.5mL single dose (6+ months) '22-23	FluMist® single dose (ages 2-49 years) '22-23	Flucelvax® 0.5mL single dose (ages 6+ months) '22-23
Vaccine Name	Influenza, injectable, quadrivalent, preservative free	influenza, injectable, quadrivalent	influenza, injectable, quadrivalent, preservative free	influenza, live, intranasal, quadrivalent	Influenza, injectable, MDCK, preservative free, quadrivalent
Formulation	0.5mL single dose, pre-filled syringe, preservative free	5.0mL multi-dose vial, contains preservative	0.5mL single dose, pre-filled syringe, preservative free	0.2ml single dose sprayer, preservative free	0.5mL single dose, pre-filled syringe, preservative free
Manufacturer	Sanofi	Sanofi	GlaxoSmithKline	MedImmune	Seqirus
CPT/CVX Codes	90686/150	90688/158	90686/150	90672/149	90674/171
NDC Number	49281-0422-50	49281-0637-15	19515-0808-52	66019-0309-10	70461-0322-03
Age – Licensure	6+ mos	6+ mos	6+ mos	2-49 years	6+ mos
State Eligibility	6 mos-18 years	3-18 years	6 mos-18 years	2-18 years	6 mos-18 years
Storage	Refrigerated, 36°F - 46°F (2°C - 8°C)	Refrigerated, 36°F - 46°F (2°C - 8°C)	Refrigerated, 36°F - 46°F (2°C - 8°C)	Refrigerated, 36°F - 46°F (2°C - 8°C)	Refrigerated, 36°F - 46°F (2°C - 8°C)

Allocation of Flu Vaccines

Why does it vary when flu vaccines become available?

- McKesson receives the vaccine, notifies CDC.
- CDC allocates doses after notification to all awardees.
- Need a sufficient supply of vaccine for majority of providers to benefit.

Childhood Product	NDC	Manufacturer	Doses PreBook	Doses Allocated	% allocated
0.5mL Flucelvax Availability (2 - 18 years):	70461-0322-03	Seqirus	20,000	16,960	84.8%
0.5mL FluLaval Availability (6 months - 18 years):	19515-0808-52	GSK	295,000	116,550	39.5%
0.2mL FluMist Availability (2 - 18 years):	66019-0309-10	AstraZeneca	20,000	3,920	19.6%
0.5mL Fluzone Availability (6 months - 18 years):	49281-0422-50	Sanofi Pasteur	295,000	227,630	77.2%
5.0mL Multi-Dose Vial Fluzone Availability (3 - 18 years):	49281-0637-15	Sanofi Pasteur	20,000	20,000	100.0%

Provider Allocations of Flu Vaccines

Providers allocation:

- Take the greatest amount in the last four seasons
- Apply the State's current allocation to that amount
- Allocation changes as more vaccine becomes available

2018-2019	2019-2020	2020-2021	2021-2022		Allocation 50%	Allocation 60%	Allocation 80%	Allocation 85%	Allocation 90%	Allocation 35%	Allocation 40%
2390	3430	3330	2710	3430	1715	2058	2744	2915.5	3087	1201	1372
0	0	30	120	120	60	72	96	102	108	42	48
250	200	320	300	320	160	192	256	272	288	112	128
550	470	450	300	550	275	330	440	467.5	495	193	220
460	430	510	280	510	255	306	408	433.5	459	179	204
440	370	370	240	440	220	264	352	374	396	154	176
270	100	0	0	270	135	162	216	229.5	243	95	108
1300	2150	1850	1550	2150	1075	1290	1720	1827.5	1935	753	860

2022-2023 Childhood Flu Vaccine

Allocation as of September 13th

Brand	Seasonal Doses	Allocated Doses	Ordered Doses	Available Doses
FluLaval 0.5mL PFS 6+ months	295,000	116,550	43,290	73,260
Fluzone 0.5mL PFS 6+ months	295,000	227,630	43,940	186,690
Fluzone 5.0mL MDV 3+ years	20,000	20,000	2,910	17,090
Flucelvax 0.5mL PFS 6+ months	20,000	16,960	2,620	14,340
FluMist 0.2mL Sprayer 2-49 years	20,000	3,920	3,850	70
TOTAL	650,000	385,060	96,610	288,450

Flu Products Available through the Childhood Vaccine Program for the 2022-2023 Season

Vaccines Eligible for 6 months – 18 years

- Fluzone 0.5mL, preservative free, pre-filled syringe
- FluLaval 0.5mL, preservative free, pre-filled syringe
- Flucelvax 0.5mL, preservative free, pre-filled syringe, egg-free

Vaccines Eligible for 2 years – 18 years

- FLuMist 0.2mL, live attenuated, sprayer

Vaccines Eligible for 3 years – 18 years

- Fluzone 5.0mL, multi-dose vial

*The Office of Immunization is not providing flu vaccines for Adults this season.

Flu Vaccine Dosages

Fluzone 0.5mL OR FluLaval 0.5mL pre-filled syringe	Fluzone MDV (0.5mL)	FluMist 0.2mL	Flucelvax 0.5mL pre-filled syringe (Egg-Free)
<ul style="list-style-type: none">• 6 months-18 years• Pregnant Women	<ul style="list-style-type: none">• 3-18 years	<ul style="list-style-type: none">• 2-18 years	<ul style="list-style-type: none">• 6 months-18 years• Pregnant Women

* The 0.5mL pre-filled syringe is considered a full dose. Do not give 0.25mL as this is not a complete dose for the 6-35 month

BOTH Fluzone and FluLaval contain 0.5mL, either can be used interchangeably and for ages 6 months-18 years

Flu Vaccine and WA Thimerosal Regulations

- A preservative called thimerosal keeps vaccines from becoming contaminated
- Thimerosal has trace amounts of ethylmercury (a type of mercury)
- Thimerosal is only necessary as a preservative for some vaccines that come in multi-dose vials, not pre-filled syringes
- Multi-dose flu vaccine is the only vaccine in the Childhood Vaccine Program that contains thimerosal
- Per Washington state law ([RCW 70.95M.115](#)): pregnant women and children under 3 years of age should not be given vaccines that contain more than trace amounts of mercury (thimerosal)
- Fluzone 0.5mL **OR** FluLaval 0.5mL **pre-filled syringes** should be used for children under 3 years of age and pregnant women

Flu Vaccine Ordering

- Select the dropdown arrow on the Order Set

Create Order											
Organization: DEPARTMENT OF HEALTH - MASS IMMUNIZATIONS					First Name:						
Facility: DOH - MASS IMMS					Middle Name:						
Phone Number:					Last Name:						
Phone Extension:					Address: 111 ISRAEL RD SE 3RD FLR						
Email:					City: OLYMPIA						
					State: WA						
					Zip: 98501						
Monday:	<input checked="" type="checkbox"/>	09:00	▼	17:00	▼	Tuesday:	<input checked="" type="checkbox"/>	09:00	▼	17:00	▼
Wednesday:	<input checked="" type="checkbox"/>	09:00	▼	17:00	▼	Thursday:	<input checked="" type="checkbox"/>	09:00	▼	17:00	▼
Friday:	<input checked="" type="checkbox"/>	09:00	▼	17:00	▼						
PIN: 148100					Instructions: CLOSED LUNCH 12-1						
Order Date: 09/13/2022					Order Status: In Progress						
Submitter: JACKI STOCKDALE (JBS2303)											
Comments:											
Inventory Last Submitted: 07/15/2020											
Vaccine Administered Report Last Submitted: N/A											
Please Submit your Monthly Vaccine Administered Report before reconciling your vaccines.											
Last Order Submitted: 02/22/2019 08:25:46 AM											
Order Set: --select-- ▼											
Inventory Transaction Report		Lot Number Summary		Edit Temperature		Doses Administered Report					
Order Frequency: Every Two Months					Order Timing: 1st to 15th						
Order Schedule: January, March, May, July, September, November											
Order Details											
Vaccine	Vaccine Name	Funding Source	Dose Used Last Month	Physical Inventory	Order Quantity	Urgent	Priority	Reason	Comments		
					Cancel		Save Order		Submit Order		

Flu Vaccine Ordering Con't

- This will expand the order sets assigned to your facility.
- Select the Flu order set.

- Home
- Logout
- Select Application
- Select Organization
- Select Facility
- Select Pin
- Document Center
- Help
- ▶ Message
- ▶ Favorites
- ▶ Patient
- ▶ Vaccinations
- ▶ Organization
- ▶ Facilities
- ▶ Physicians & Vaccinators
- ▶ Lot Numbers
- ▶ Orders/Transfers
- Alerts
- Create/View Orders
- Search History
- Modify Order Set
- Cold Storage
- ▶ Reports
- ▶ Settings
- CASA Export
- ▶ Reminder/Recall
- ▶ DTT
- ▶ Scheduled Reports

Create Order

Organization:	DEPARTMENT OF HEALTH - MASS IMMUNIZATIONS	First Name:	
Facility:	DOH - MASS IMMS	Middle Name:	
Phone Number:		Last Name:	
Phone Extension:		Address:	111 ISRAEL RD SE 3RD FLR
Email:		City:	OLYMPIA
		State:	WA
		Zip:	98501

Monday:	<input checked="" type="checkbox"/>	09:00	17:00	Tuesday:	<input checked="" type="checkbox"/>	09:00	17:00
Wednesday:	<input checked="" type="checkbox"/>	09:00	17:00	Thursday:	<input checked="" type="checkbox"/>	09:00	17:00
Friday:	<input checked="" type="checkbox"/>	09:00	17:00				

PIN: 148100 Instructions: CLOSED LUNCH 12-1
Order Date: 09/13/2022 Order Status: In Progress
Submitter: JACKI STOCKDALE (JBS2303)

Comments:

Inventory Last Submitted: 07/15/2020
Vaccine Administered Report Last Submitted: N/A
Please Submit your Monthly Vaccine Administered Report before reconciling your vaccines.
Last Order Submitted: 02/22/2019 08:25:46 AM

Order Set:

Inventory Transaction Doses Administered Report

Order Frequency: E
Order Schedule: Janu

Vaccine	Vaccine Name	Funding	Source	Dose Used	Last Month	Physical Inventory	Order Quantity	Urgent	Priority	Reason	Comments
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Cancel Save Order Submit Order

Flu vaccine Ordering con't

- Enter Doses Used Last Month, Physical Inventory and Order Quantity.
- Notice FluMist has no Order Quantity Box.

Order Set: STATE SUPPLIED FLU 2022-2023 / Distributor ▼

Inventory Transaction Report | Lot Number Summary | Edit Temperature | Doses Administered Report

Order Frequency: Every Two Months Order Timing: 1st to 15th
 Order Schedule: January, March, May, July, September, November

Order Details

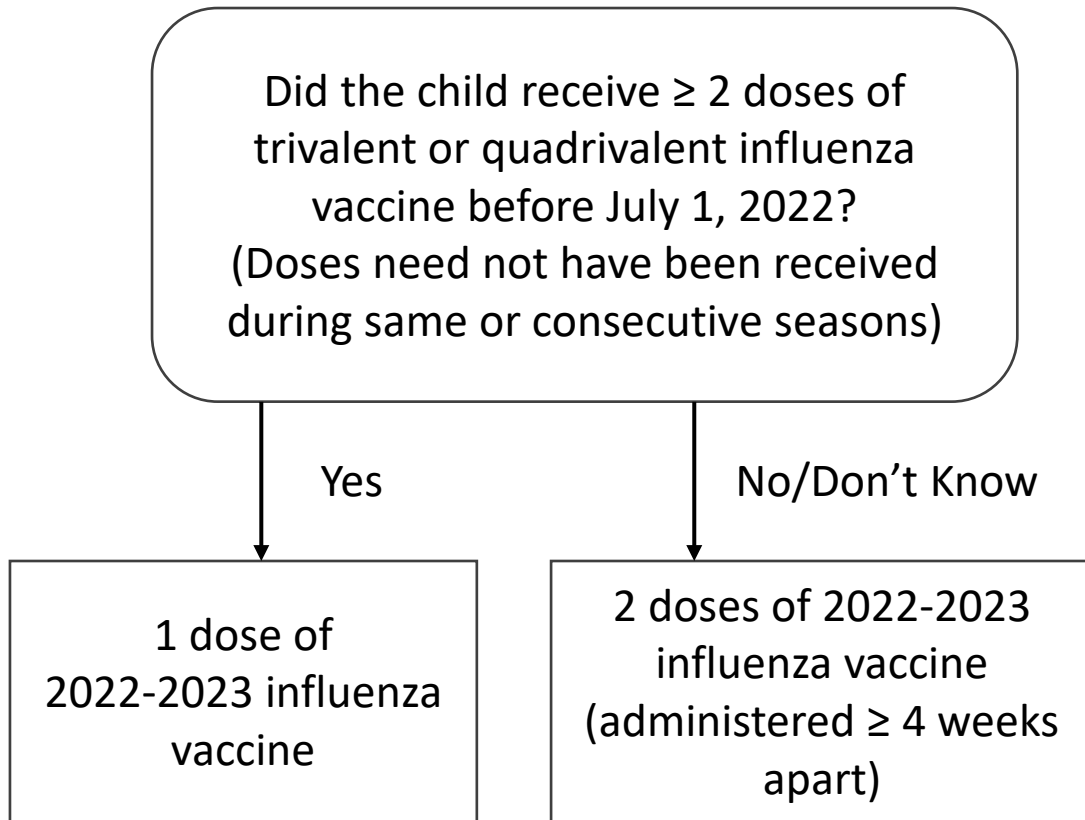
Vaccine	Vaccine Name	Funding Source	Dose Used Last Month	Physical Inventory	Order Quantity	Urgent	Priority Reason	Comments
influenza, injectable, quadrivalent, preservative free	FluLaval 0.5mL PFS (6+ months) '22-'23	SPLIT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	--select-- ▼	<input type="text"/>
influenza, injectable, quadrivalent, preservative free	Fluzone 0.5mL PFS (6+ months) '22-'23	SPLIT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	--select-- ▼	<input type="text"/>
influenza, injectable, quadrivalent	Fluzone 5.0mL MDV (3+ years) '22-'23	SPLIT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	--select-- ▼	<input type="text"/>
influenza, live, intranasal, quadrivalent	FluMist 0.2mL sprayer (2-49 years) '22-'23	SPLIT	<input type="text" value="3"/>	<input type="text" value="7"/>				
Influenza, injectable, MDCK, preservative free, quadrivalent	Flucelvax 0.5mL PFS (6+ months) '22-'23	SPLIT	<input type="text" value="10"/>	<input type="text" value="2"/>	<input type="text" value="20"/>	<input type="checkbox"/>	--select-- ▼	<input type="text"/>

Cancel Save Order Submit Order

Flu Vaccine Ordering Reminders

- ✓ MDV is not a required vaccine for providers to utilize this season.
- ✓ Don't place vaccine orders as urgent.
- ✓ Flucelvax age licensure changed to 6 months in the middle of last flu season.
- ✓ Flucelvax is egg-free.
- ✓ Why it is recommended to keep one month supply on hand.
 - Temp excursions
 - Power outages
 - Delivery issues

Who Needs 2 Doses of Flu Vaccine?



- Children between 6 months through 8 years of age
- Children who start one dose before turning 9 years of age can/should complete 2 doses even after age 9
- Persons aged ≥ 9 years need only one dose

Flu Vaccine Administration Reminders

- Injectable flu vaccines can be given at the same time as other vaccines
- If FluMist is being used, give at the same time as other live or inactivated vaccines
 - If not given at the same time as another live vaccine (MMR or varicella), wait at least 4 weeks (or 28 days) between live vaccines

Date of Birth:	11/07/2008		Age:	10 yrs			
Guardian:			Status:	Inactive			
Vaccination Summary							
Vaccinations outside the ACIP schedule are marked with an 'X'.							
Vaccine	1	2	3	4	5	6	7
DTaP/DTP/Td	01/16/2009 10 weeks	03/17/2009 4 months	05/20/2009 6 months	08/24/2010 21 months	11/21/2013 5 years		
OPV/IPV	01/16/2009 10 weeks	03/17/2009 4 months	05/20/2009 6 months	11/21/2013 5 years			
MMR	11/09/2009 12 months	X 11/21/2013 5 years					
Hib	01/16/2009 10 weeks	03/17/2009 4 months	05/20/2009 6 months	08/24/2010 21 months			
Hep A	11/21/2013 5 years	04/23/2015 6 years					
Hep B - 3 Dose	11/07/2008 0 days	01/16/2009 10 weeks	04/23/2015 6 years				
Varicella	11/09/2009 12 months	X 11/21/2013 5 years					
Rotavirus	03/17/2009 4 months						
Influenza	11/19/2009 12 months	11/18/2010 24 months	X 03/06/2012 3 years	11/18/2013 5 years	12/15/2015 7 years	11/21/2016 8 years	11/05/2018 9 years
Pneumo (PCV)	01/16/2009 10 weeks	03/17/2009 4 months	05/20/2009 6 months	03/06/2012 3 years			
Novel Influenza H1N1-09	11/19/2009 12 months						

Another Flu Webinar

- October 5th at 12:00 pm
- Continuing Education Credits available
- This webinar will cover:
 - Disease Surveillance
 - Flu Vaccine Info
 - Clinical Information
 - Media Campaign and Health Promotion Materials

Registration link:

https://us02web.zoom.us/webinar/register/WN_gYT8vkl_R0656O8C0xaf1A

For any questions contact: Trang Kuss at
trang.kuss@doh.wa.gov

Resources

Thimerosal Law: <https://doh.wa.gov/you-and-your-family/immunization/vaccine-safety/thimerosal-laws-washington#:~:text=However%2C%20as%20a%20precautionary%20measure,of%20outbreak%20or%20vaccine%20shortage>.

doh.wa.gov → You & Your Family → Immunization → Vaccine Safety → Thimerosal Laws in Washington

Flu Information for Public Health and Healthcare: <https://doh.wa.gov/public-health-healthcare-providers/public-health-system-resources-and-services/immunization/influenza-flu-information>

doh.wa.gov → For Public Health & Health Care Providers → Public Health System Resources and Services → Immunization → Influenza (Flu) Information

Flu Information General: <https://doh.wa.gov/you-and-your-family/immunization/diseases-and-vaccines-can-prevent-them/influenza-flu-vaccine>

doh.wa.gov → You & Your Family → Immunization → Diseases And Vaccines → Influenza (Flu) Vaccine



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