



2019-20 INFLUENZA OVERVIEW

Washington State Department of Health
Office of Immunization and Child Profile

Meet Your Trainers

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Training Topics

- Review the 2019-20 flu vaccine products available through the WA State Childhood Vaccine Program
- Discuss flu vaccine recommendations and common administration errors
- Describe WA's thimerosal law
- Review how to use the IIS to order, receive, document and troubleshoot flu vaccine inventory issues.
- Q & A

Continuing Education Disclosure

The planners and speakers of this activity have no relevant financial relationships with any commercial interests pertaining to this activity.

2019-20 Flu Vaccine Products



Quadrivalent Flu Vaccine Strains

- H1N1 = A/Brisbane/02/2018; replaces A/Michigan/45/2015
- H3N2 = A/Kansas/14/2017; replaces A/Singapore/INFIMH-16-0019/2016
- B Victoria = B/Colorado/06/2017
- B Yamagata = B/Phuket/3073/2013

Tips for Ordering Flu Vaccine

- Order what you expect to use in 30 to 45 days
- Know your patient population and the type of vaccine to order from the state allocations
- Flu does not follow your regular ordering schedule. Flu vaccine can be ordered as needed
- Do not mark flu orders as Urgent
- Flu orders may be adjusted

2019-20 Childhood Flu Vaccine Products

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 +) '19-20	Fluzone® 5.0mL MDV (ages 3-18 years) '19-20	FluLaval® 0.5mL single dose (6 months +) '19-20	FluMist® single dose (ages 2-18 years) '19-20	Flucelvax® 0.5mL single dose (ages 4-18 years) '19-20
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	5mL 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 (Box)	49281-0419-50	49281-0631-15	19515-0906-52	66019-0306-10	70461-0319-03
Age – Licensure	6+ mos	6+ mos	6+ mos	2-49 years	4+ years
State Eligibility	6 mos-18 years	3-18 years	6 mos-18 years	2-18 years	4-18 years
Storage	Store refrigerated, 36°F - 46°F (2°C - 8°C)	Store refrigerated, 36°F - 46°F (2°C - 8°C)	Store refrigerated, 36°F - 46°F (2°C - 8°C)	Store refrigerated, 36°F - 46°F (2°C - 8°C)	Store refrigerated, 36°F - 46°F (2°C - 8°C)

Washington State's Eligibility for Flu Vaccines

Patient Age	Pregnant?	Acceptable Flu Products
6-35 Months	N/A	Fluzone 0.5mL Preservative-Free FluLaval 0.5mL Preservative-Free
2-18 Years	No	FluMist 0.2mL sprayer
3-18 Years	No	Fluzone MDV Fluzone 0.5mL Preservative-Free FluLaval 0.5mL Preservative-Free
3-18 Years	Yes	Fluzone 0.5mL Preservative-Free FluLaval 0.5mL Preservative-Free
4-18 Years	Either	Flucelvax 0.5mL Preservative Free*

**Only Available to facilities participating in the Flucelvax pilot*

Flu Vaccine Dosages

Fluzone 0.5mL OR FluLaval 0.5mL pre-filled syringe

- 6-35 months
- 3-18 years
- Pregnant women

Fluzone MDV (0.5mL)

- 3-18 years

FluMist 0.2mL

- 2-18 years

Flucelvax 0.5mL pre-filled syringe

- For pilot clinics only
- 4-18 years

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

Review Question One

Which flu vaccine(s) is appropriate for a 12-month-old patient?

- A. Fluzone 0.5mL pre-filled syringe
- B. FluLaval 0.5mL pre-filled syringe
- C. Fluzone 0.5mL from multi-dose vial
- D. FluMist 0.2mL sprayer
- E. A and B only

Review Question One

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- E. A and B only**

Flu Vaccine Recommendations

Flu Vaccine Recommendations

- Flu vaccine recommended annually for everyone ages 6 months and older
- Vaccination should be started before the onset of flu activity, preferably by the end of October
- All pregnant women should receive flu vaccine at any time during pregnancy
 - *FluMist should not be used during pregnancy*

[DOH Flu web page](#)



**KNOCK OUT
FLU WITH
ONE SHOT**

This campaign was made possible through federal funding from the Centers for Disease Control and Prevention.

Flu activity will soon be picking up in Washington and the new vaccine for 2019-2020 is now widely available at locations near you. All children in Washington may receive flu vaccines, and other recommended vaccines, at no cost through age 18. The provider may charge a fee to give the vaccine, called an administration fee. You can ask for this fee to be waived if you cannot afford it. Flu vaccine is a covered benefit provided at no cost every year through most insurance plans for adults over the age of 18, and is also covered by Medicare part B.

Flu Vaccine Finder

Find flu clinics near you. Everyone six months of age and older needs a flu vaccine.

Enter Your Zip Code

GO

powered by HealthMap

Visit CDC/Flu Embed

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						

Contraindications and Precautions to Flu Vaccine

General Best Practice Guidelines of the ACIP

TABLE 4-1. Contraindications and precautions^(a) to commonly used vaccines

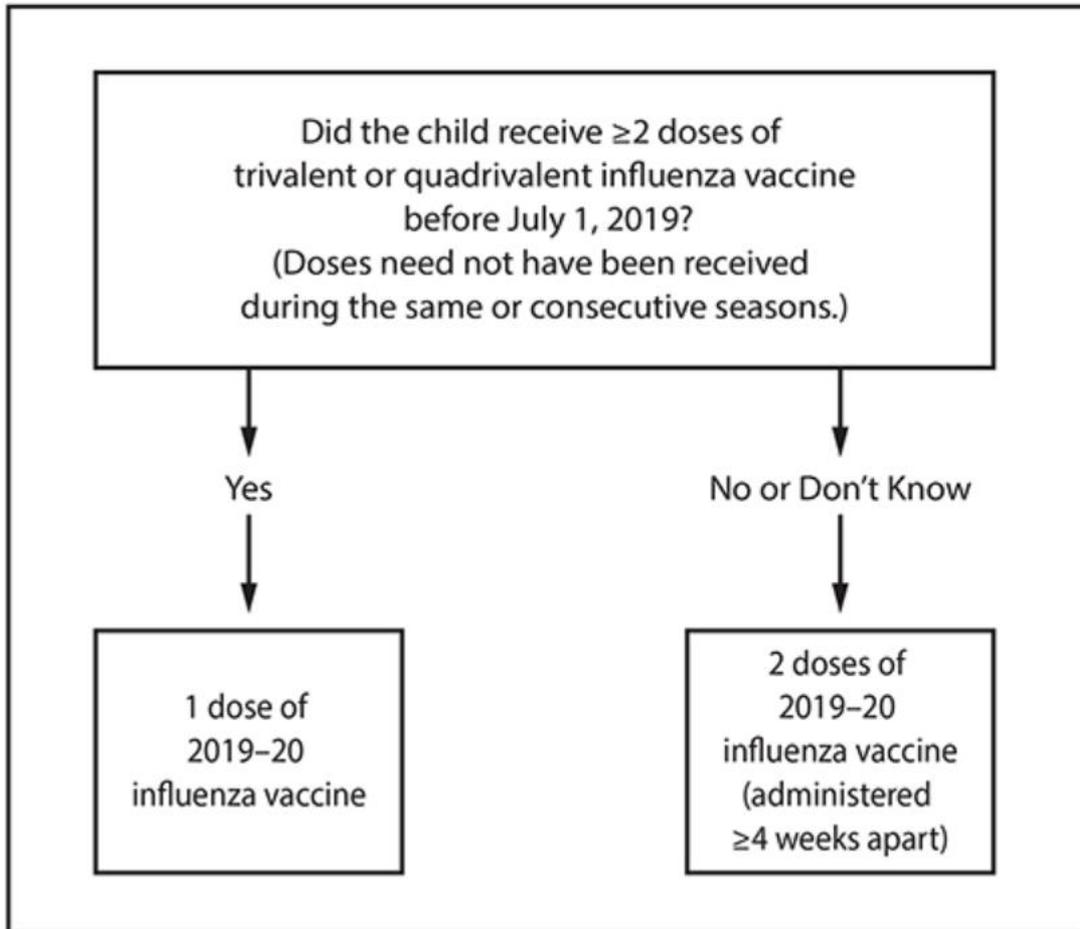
Vaccine	Citation	Contraindications	Precautions
IIV	(43)	Severe allergic reaction (e.g., anaphylaxis) after previous dose of influenza vaccine or to vaccine component.	<p>GBS <6 weeks after a previous dose of influenza vaccine</p> <p>Moderate or severe acute illness with or without fever</p> <p>Egg allergy other than hives, e.g., angioedema, respiratory distress, lightheadedness, recurrent emesis; or required epinephrine or another emergency medical intervention (IIV may be administered in an inpatient or outpatient medical setting and under the supervision of a health care provider who is able to recognize and manage severe allergic conditions).</p>

TABLE 4-1. Contraindications and precautions^(a) to commonly used vaccines

Vaccine	Citation	Contraindications	Precautions
LAIV ^(b)	(43)	<p>Severe allergic reaction (e.g., anaphylaxis) after a vaccine component</p> <p>Concomitant use of aspirin or aspirin-containing medication in children and adolescents</p> <p>LAIV4 should not be administered to persons who have taken influenza antiviral medications within the previous 48 hours.</p> <p>Pregnancy</p>	<p>GBS <6 weeks after a previous dose of influenza vaccine</p> <p>Asthma in persons aged 5 years old or older</p> <p>Medical conditions which might predispose to higher risk of complications attributable to influenza^(c)</p> <p>Moderate of severe acute illness with or without fever</p>

Who Needs 2 Doses of Flu Vaccine?

www.cdc.gov/mmwr/volumes/68/rr/rr6803a1.htm#F1_down.htm



- Children between 6 months through 8 years of age
- Children who start one dose before turning 9 years of age can complete 2 doses even after age 9
- Either Fluzone 0.5mL or FluLaval 0.5mL can be used for dose 1 or dose 2

Flu Vaccine and WA Thimerosal Regulations

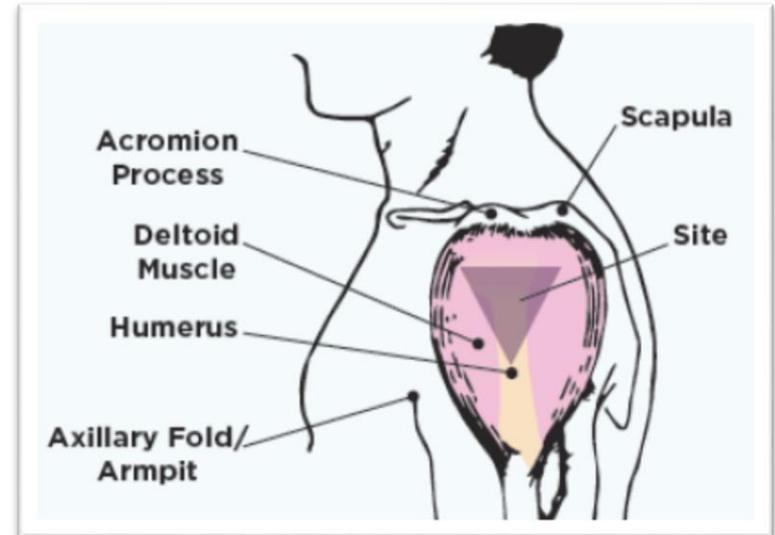
- A preservative called thimerosal keeps vaccines from becoming contaminated
- Thimerosal has trace amounts of ethylmercury (a type of mercury)
- Thimerosal is only necessary as a preservative for some vaccines that come in multi-dose vials, not pre-filled syringes
- Multi-dose flu vaccine is the only 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

Prevent Shoulder Injury Related to Vaccine Administration

Injuries to the musculoskeletal structure of the shoulder, including ligaments, bursa, and tendons

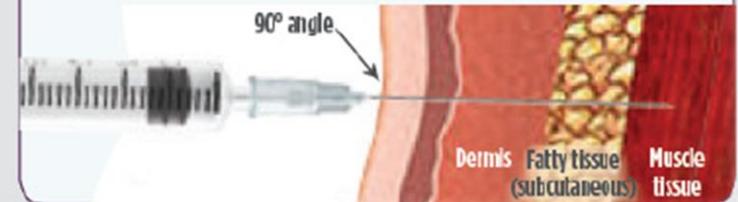
Result of unintended injection of vaccine and/or trauma from the needle going into and around the underlying bursa of the shoulder

[CDC IM Flu Vaccination Infographic](#)



Administer the vaccine correctly

- » Inject the vaccine into the middle and thickest part of the deltoid muscle
- » Insert the needle at a 90° angle and inject all of the vaccine into the muscle tissue



Review Question Two

True or False: A 2-year-old patient has received only 1 flu vaccine dose last year. This patient needs 2 flu doses this flu season.

- A. True
- B. False

Review Question Two

True or False: A 2-year-old patient has received only 1 flu vaccine dose last year. This patient needs 2 flu doses this flu season.

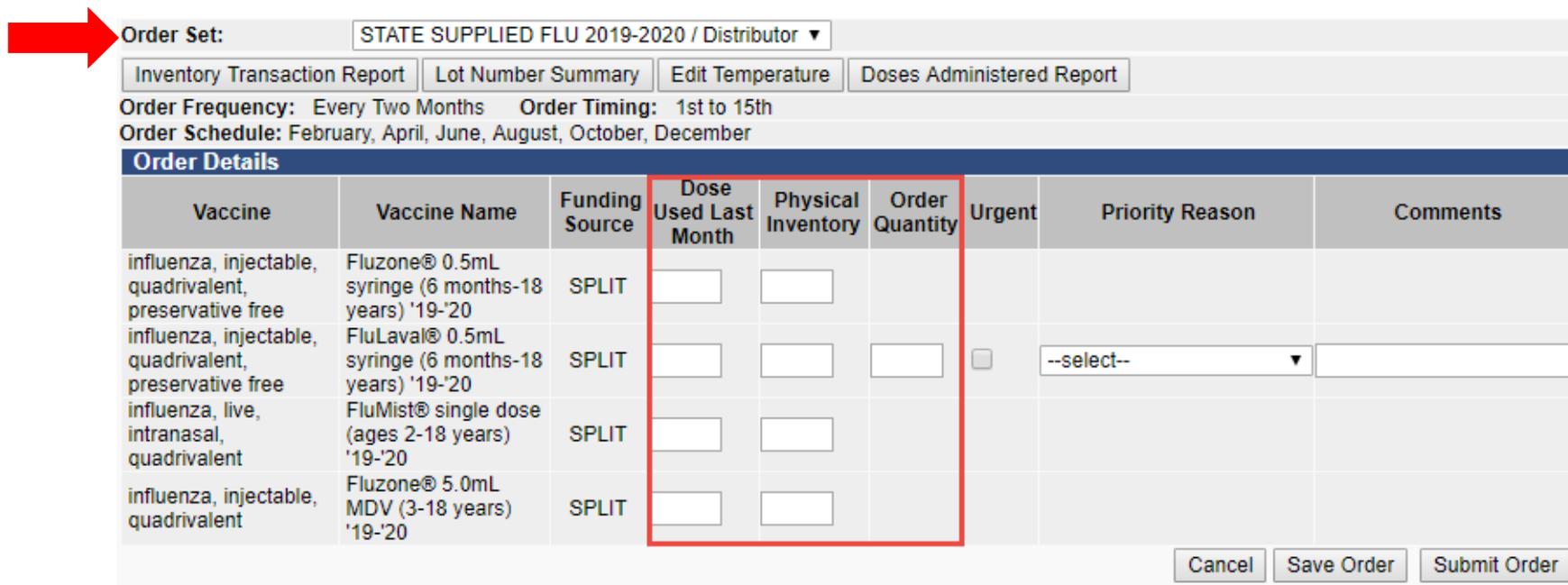
A. True

B. False

Ordering & Receiving Vaccine

Ordering Flu Vaccine

1. In the IIS, select **Create/View Orders** under **Orders/Transfers** in the left navigation menu.
2. Click **Create Order**, then select the **Flu 2019-2020** order set.
3. Enter information outlined below, including requested order quantity (1 month supply). Click **Submit Order**.



Order Set: STATE SUPPLIED FLU 2019-2020 / Distributor ▼

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

Order Frequency: Every Two Months Order Timing: 1st to 15th
Order Schedule: February, April, June, August, October, December

Order Details

Vaccine	Vaccine Name	Funding Source	Dose Used Last Month	Physical Inventory	Order Quantity	Urgent	Priority Reason	Comments
influenza, injectable, quadrivalent, preservative free	Fluzone® 0.5mL syringe (6 months-18 years) '19-'20	SPLIT	<input type="text"/>	<input type="text"/>				
influenza, injectable, quadrivalent, preservative free	FluLaval® 0.5mL syringe (6 months-18 years) '19-'20	SPLIT	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	--select-- ▼	<input type="text"/>
influenza, live, intranasal, quadrivalent	FluMist® single dose (ages 2-18 years) '19-'20	SPLIT	<input type="text"/>	<input type="text"/>				
influenza, injectable, quadrivalent	Fluzone® 5.0mL MDV (3-18 years) '19-'20	SPLIT	<input type="text"/>	<input type="text"/>				

Cancel Save Order Submit Order

Receiving the Order

When the flu vaccine arrives:

- Unpack the shipment immediately and store in vaccine fridge.
- **Before administering the vaccine - Receive** the order into your IIS inventory by navigating to **Create/View Orders**.
- Locate the order under **Inbound Orders** and use the arrow button to open the **Receive Order** screen.

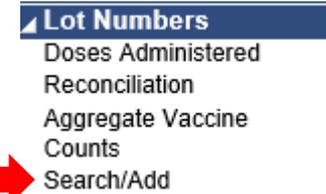
Current Order/Transfer List						
Inbound Orders						
Select	Order Number	PIN	Submit Date	Approval Date	Status	
<input type="button" value="-->"/>			09/10/2019	09/10/2019	Approved	

- Fill in the **Receipt Quantity** and other vaccine details (manufacturer, lot number, and exp date) before clicking **Receive**.

Order Details								
Shipped Quantity	Receipt Quantity	Rejected Quantity	Vaccine	Funding Source	Manufacturer	Lot Number	Expiration Date	Reason for Rejecting
30	<input type="text"/>	<input type="text"/>	influenza, injectable, quadrivalent, preservative free	PUB	--select--	<input type="text"/>	<input type="text"/>	--select--
Comments					Tracking #			

What if I Need to Manually Add Flu Vaccine?

Select **Search/Add** from under **Lot Numbers** in the left navigation menu.



Use the flu vaccine chart to select the **Vaccine** name from the drop down and click **Search**.

Lot Number Maintenance	
Search/Add Lot Number - Search Required Before Adding	
Vaccine	influenza, injectable, quadrivalent
Manufacturer	influenza, injectable, quadrivalent
Lot Number	
Facility:	influenza, injectable, quadrivalent, preservative free
Inactive	
Inactive Reason:	influenza, live, intranasal, quadrivalent

Next, click **Add** to open the **Lot Number Maintenance [Add]** screen.

Manually Adding Flu Vaccine

- Fill in **all** of the fields (using the flu vaccine chart as a reference).
- Click **Add** to add the inventory to your **Reconciliation** (inventory) screen.

Lot Number Maintenance [Add]	
Manufacturer:	SANOPI PASTEUR-PMC ▾
Vaccine:	influenza, injectable, quadrivalent
Lot Number:	UI56789
Facility:	
Expiration Date:	06/30/2020
Funding Source:	PUB ▾
Reason Categories:	--All Categories-- ▾
Reason for Change:	Received from another provider ▾
Date of Transaction:	09/11/2019
Number of Doses Added:	10
Product:	Fluzone® 5.0mL MDV (3-18 years) '19-'20 ▾
NDC Number:	49281-0631-15 ▾
VFC PIN of other party (if applicable):	
	

Vaccine Product Names vs Vaccine Names

In the IIS each flu vaccine has:

- A **product name** that indicates the specific formulation of vaccine (e.g. Fluzone 0.5mL single dose (ages 6 months +) '19-20)
- A **vaccine name** that indicates the type of vaccine (e.g. influenza, injectable quadrivalent).

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 +) '19-20	Fluzone® 5.0mL MDV (ages 3-18 years) '19-20	FluLaval® 0.5mL single dose (6 months +) '19-20	FluMist® single dose (ages 2-18 years) '19-20	Flucelvax® 0.5mL single dose (ages 4-18 years) '19-20
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

Documenting Administered Vaccine



Documenting Vaccines with an Interface

The following must be documented correctly in your Electronic Health Record for doses to subtract from your IIS inventory

Vaccine Type (CVX)	Influenza, injectable, quadrivalent (CVX 158)
Lot Number (from box)	UI992AB
Manufacturer	Sanofi Pasteur (PMC)
Facility ID	ABC Family Medicine (SIISCLIENT56123)
Patient Eligibility	VFC Eligible – Uninsured (V03)
Funding Source	Publicly Funded – VFC (VXC51)

Direct Data Entry

- Search for a patient, then click on **Vaccinations** and **View/Add** in the left navigation menu.
- Locate the name of the flu vaccine you want to document from the list on the **View/Add** screen.
- Enter the administered date into the text box next to the correct **vaccine name** and click **Add Administered**.

Flu Vaccine Chart

Product Name	Fluzone® 0.5mL single dose (ages 6 months +) '19-20
Vaccine Name	Influenza, injectable, quadrivalent, preservative free

Vaccination View/Add Screen

influenza, injectable, quadrivalent (Fluzone 5.0mL MDV)	<input type="text"/>
influenza, injectable, quadrivalent, preservative free (FluLaval 0.5mL, Fluzone 0.5mL)	<input type="text" value="09/10/2019"/>
influenza, live, intranasal, quadrivalent (Flumist)	<input type="text"/>
Influenza, injectable, MDCK, preservative free (Flucelvax PF - .5mL syringe)	<input type="text"/>

Direct Data Entry

On the **Vaccination Detail Add** screen, use **Click to select** to pull up your IIS inventory. Use the **arrow** button to select the vaccine.

All required fields should be filled in before you click **Save** to add the vaccine to the patient's IIS record.

Vaccination Detail Add

Vaccine 1: influenza, injectable, quadrivalent, preservative free

Date Administered: 09/20/2019

Historical: YES NO

Select Lot Number

Select	Manufacturer	Lot Number	Facility	Funding Source	Expiration Date	Doses Available
-->	SANOPI PASTEUR	UI56789	NICOLE'S VFC CLINIC 2	PUB	06/30/2020	19.0

Manufacturer Noted on Record:

Manufacturer: [Click to select](#)

Vaccination Detail Add

Vaccine 1: influenza, injectable, quadrivalent, preservative free (F

Date Administered: 09/20/2019

Historical: YES NO

Confidential: YES NO

Provider Noted on Record:

Lot Noted on Record:

Manufacturer Noted on Record:

Manufacturer: SANOFI PASTEUR [Click to select](#)

Lot Number: UI56789

Lot Facility: NICOLE'S VFC CLINIC 2

Funding Source: PUB

Facility: NICOLE'S VFC CLINIC 2

Vaccinator: NURSE, NANCY LPN

Tip: If nothing appears in the pop-up box, you have selected the incorrect vaccine name or have not received/added inventory into the IIS.

Editing Vaccination Records

If a dose does not decrement from your inventory, you can make edits to the vaccine details or delete the record from the IIS and re-enter.

If... is Incorrect	How to Correct
<ul style="list-style-type: none">• Vaccine Name/Type• Date Administered	Delete & Re-Enter
<ul style="list-style-type: none">• Lot Number• Manufacturer	Edit *Use Click to Select to choose the correct lot number from your IIS inventory

Tip: Documenting the wrong vaccine name/type is a common mistake that causes inventory decrementing issues.

Review Question Three

True or False: If I document the wrong type of flu vaccine on a patient's record, I can edit this information in the IIS.

- A. True
- B. False

Review Question Three

True or False: If I document the wrong type of flu vaccine on a patient's record, I can edit this information in the IIS.

A. True

B. False

Flu Resources

- [2019-20 State-Supplied Childhood Flu Vaccines At A Glance](#)
- [IIS Common Codes Guide](#)
- [Advisory Committee on Immunization Practices Influenza Vaccine Recommendations](#)
- [Department of Health Flu Web Page](#)
- [Flu Vaccine Hesitancy and Flu Vaccine Discussion Flyer\(DOH\)](#)
- [Flu Antiviral Recommendations for Clinicians \(CDC\)](#)
- [Immunization Action Coalition Ask the Experts on Flu](#)
- [Influenza Vaccination of People with a History of Egg Allergy \(Immunization Action Coalition\)](#)

IIS Login Changes Coming

All users will need to have a SecureAccess Washington (SAW) account to login to the IIS later this Fall.



What can you do right now?

[Set up a SAW account](#) if you don't have one.

What will happen next?

- DOH will provide instructions to connect your SAW account to the IIS.
- All users will transition to logging in to the IIS through a SAW account.

Nursing Continuing Education

- Successful completion of this continuing education activity includes the following:
 - Attending the entire CE activity or watching the webinar recording
 - Completing the online evaluation:
fortress.wa.gov/doh/opinio/s?s=2020FluWebinar
- Expiration date is 9/24/20
- Send an email to trang.kuss@doh.wa.gov to request the certificate
- Upon successful completion of this activity, 1.0 contact hours will be awarded. This continuing nursing education activity was approved by the Montana Nurses Association, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation.
- If you have any questions about CEs, contact Trang Kuss at trang.kuss@doh.wa.gov

Continuing Education for Pharmacists and Medical Assistants

- Successful completion of this continuing education activity includes the following:
 - Attending the entire CE activity or watching the webinar recording
 - Completing the online evaluation: fortress.wa.gov/doh/opinio/s?s=2020FluWebinar
- Expiration date is 9/24/20
- Send an email to trang.kuss@doh.wa.gov to request your certificate
- **For Pharmacists**
- 1.0 credit hour of continuing education is available. This training was approved by the Washington State Pharmacy Quality Assurance Commission for pharmacist education
- **For Medical Assistants**
- This program has been granted prior approval by the American Association of Medical Assistants (AAMA) for 1.0 administrative continuing education unit
- A certificate of completion will be awarded
- To obtain continuing education units, Medical Assistants will need to email the certificate of completion to: programattendance@aama-ntl.org

Continuing Education for Health Educators

- Successful completion of this continuing education activity includes the following:
 - Attending the entire live webinar. **This CE is only available for attending the live webinar**
 - Completing the online evaluation:
fortress.wa.gov/doh/opinio/s?s=2020FluWebinar
- Send an email to ty.oehrtman@doh.wa.gov to request your certificate
- This program is approved by the National Commission for Health Education Credentialing, Inc. (NCHEC) for CHES/MCHES to receive up to 1.0 Category I continuing education contact hours

Questions?



IIS Training and Support

IIS Questions & Assistance

Contact the Help Desk

- 1-800-325-5599
- WAIISSHelpDesk@doh.wa.gov

Request IIS Training

Email the IIS Outreach & Training Team

IIS.Training@doh.wa.gov

IIS Training Resources

Visit the IIS Training Materials Portal

www.doh.wa.gov/trainingIIS

Recorded IIS Webinars on YouTube

Visit the IIS YouTube Channel [here](#)

IIS News
January 2017

WASHINGTON STATE
IMMUNIZATION
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Visit the [IIS Training Materials Portal](http://www.doh.wa.gov/trainingIIS)
www.doh.wa.gov/trainingIIS

December 2016 Upgrade

On December 8, 2016 the IIS was upgraded. Please review the materials below to see the changes and updates included in the upgrade.

[IIS Upgrade Summary](#)
[IIS Forecast Update](#)



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IIS School Module

The Department of Health is excited to share that we are rolling out a new tool to make



[Subscribe to IIS News](#)



For people with disabilities, this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (TDD/TTY call 711). DOH 348-701