

UC San Diego Health

Influenza Ambulatory Education Webinar

August 2021



Objectives

- Review CDC recommendations for the influenza vaccination.
- Review the various vaccinations being offered this season.
- Discuss clinics responsibilities for reviewing patients' vaccination status.
- Discuss the peer to peer program offerings.



Influenza Vaccinations

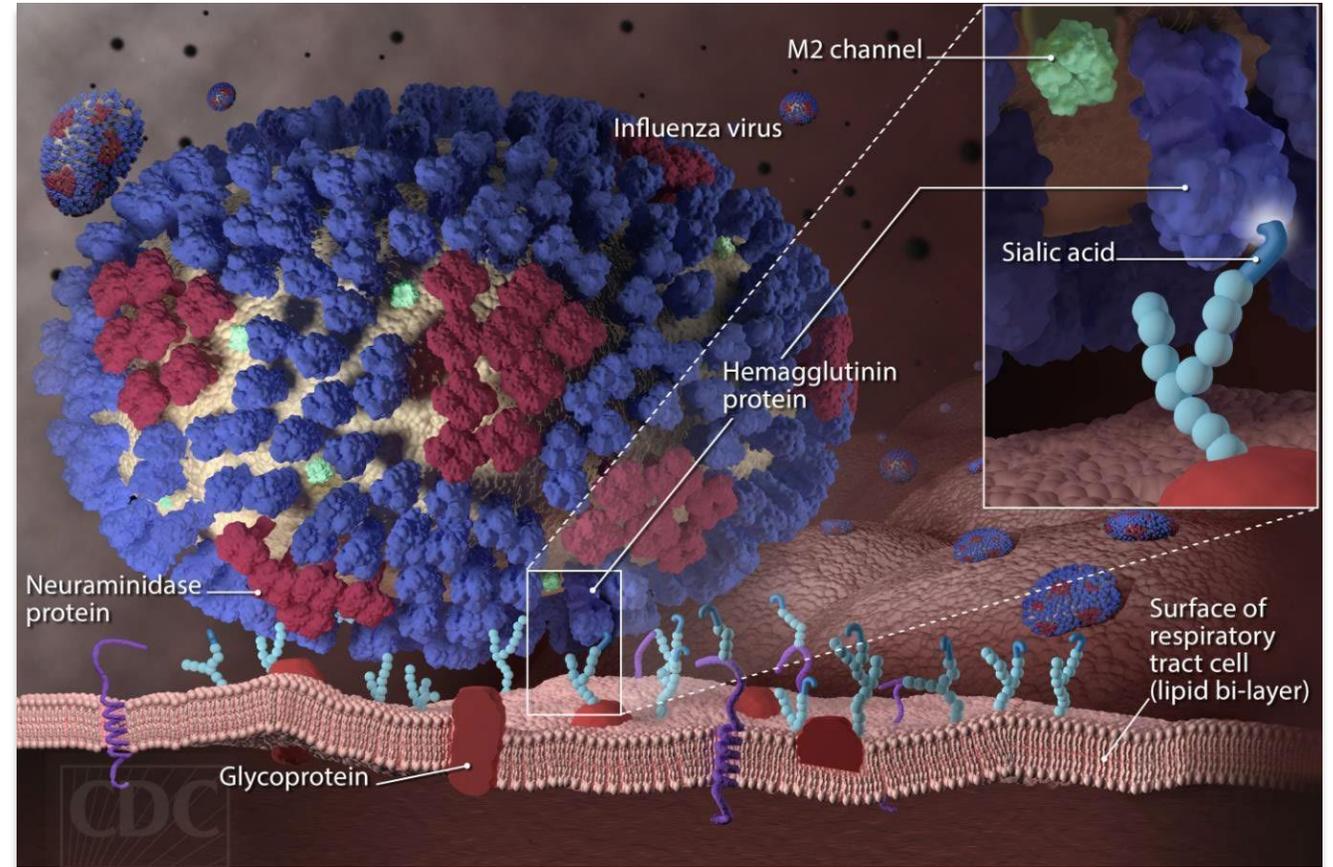
Everyone 6 months of age and older should get an influenza (flu) vaccine every season with rare exception. CDC's Advisory Committee on Immunization Practices has made [this recommendation since the 2010-11 influenza season.](#)

Vaccination to prevent flu is particularly important for people who are at high risk of developing serious flu [complications See People at High Risk of Developing Flu-Related Complications for a full list of age and health factors that confer increased risk.](#)



Ensuring that routine vaccination is maintained or reinitiated during the COVID-19 pandemic is essential for protecting individuals and communities from vaccine-preventable diseases and outbreaks.

For the upcoming influenza season, influenza vaccination will be paramount to reduce the impact of respiratory illnesses in the population and resulting burden on the healthcare system during the COVID-19 pandemic.

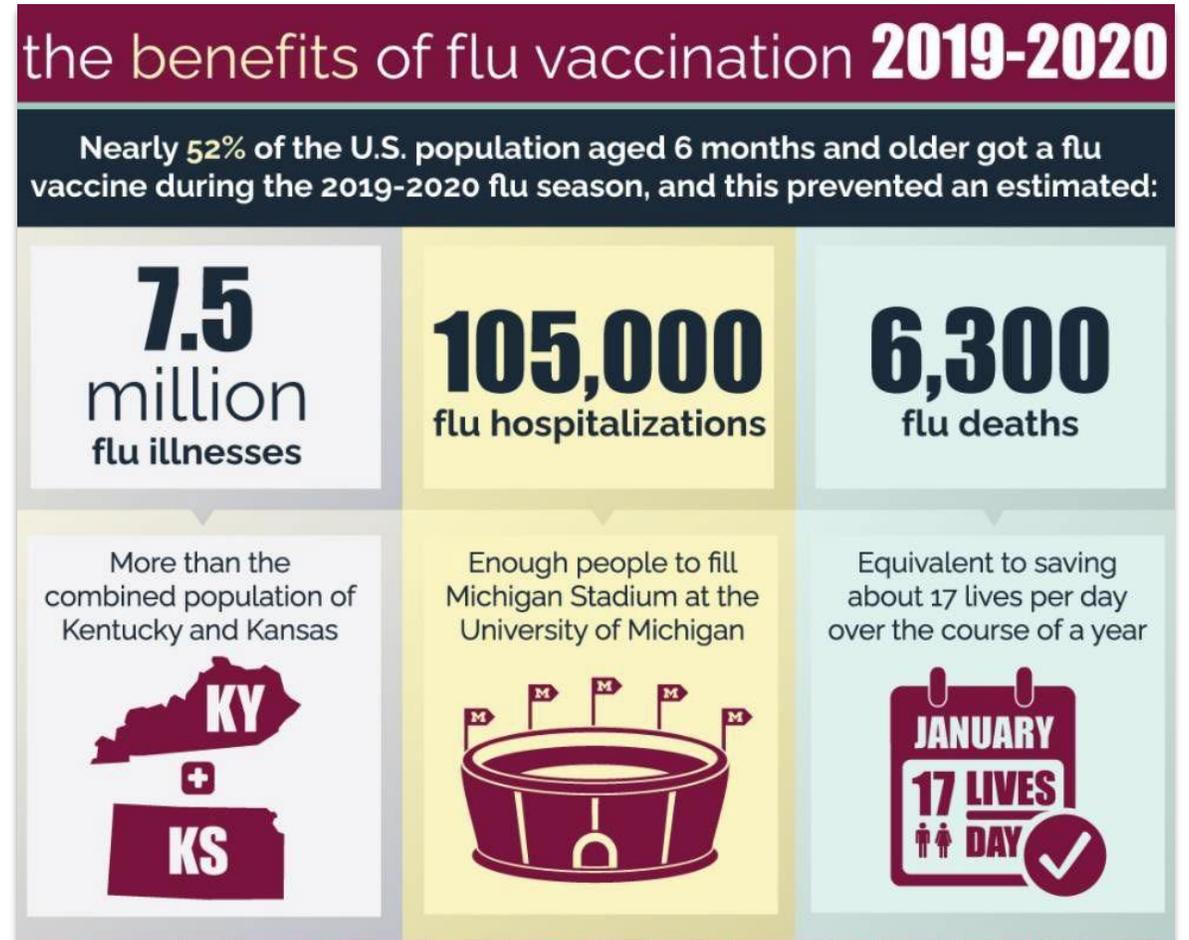


Vaccination for COVID patients

- Routine vaccination should be deferred for persons with suspected or confirmed COVID-19, regardless if symptomatic or asymptomatic, until [criteria](#) have been met for them to discontinue isolation.
- While mild illness is not a contraindication to vaccination, vaccination visits for these individuals should be postponed to avoid exposing healthcare personnel and other patients to the virus that causes COVID-19.
- When scheduling or confirming appointments for vaccination, patients should be instructed to notify the provider's office in advance if they currently have or develop any symptoms of COVID-19.
- There is no data to inform optimal timing of influenza vaccination for vaccine effectiveness in persons with COVID-19 or who are recovering from COVID-19.
- [Vaccination Guidance During a Pandemic](#)

How effective is the vaccine?

- CDC conducts studies each year to determine how well the influenza (flu) vaccine protects against flu illness.
- While vaccine effectiveness (VE) can vary, recent studies show that flu vaccination reduces the risk of flu illness by between 40% and 60% among the overall population during seasons when most circulating flu viruses are well-matched to the flu vaccine.
- Flu vaccine effectiveness estimates for 2020-2021 are not available, but a record number of influenza vaccine doses (193.8 million doses) were distributed in the U.S. during 2020-2021.



Timing of Vaccination

- Vaccine should be administered by the end of October, but vaccination should continue to be offered as long as influenza viruses are circulating locally and unexpired vaccine is available.
- Vaccination too early in the season (e.g., July or August) may lead to suboptimal immunity later in the season, particularly among older adults. Children aged 6 months through 8 years who require 2 doses should receive their first dose as soon as possible after vaccine becomes available, and the second dose ≥ 4 weeks later.
- Takes about two weeks after vaccination for antibodies to develop in the body and provide protection against flu.
- COVID-19 vaccines and other vaccines **may now be administered without regard to timing.** This includes simultaneous administration of COVID-19 vaccine and other vaccines on the same day, as well as coadministration within 14 days.

Pediatric Timing Clarification

- For those aged 6 months through 8 years, the number of doses of influenza vaccine needed for the 2020–21 influenza season is determined as follows:
 - **Those who have previously received ≥ 2 total doses require only 1 dose** for the 2020–21 season. The 2 previous doses of influenza vaccine do not need to have been administered in the same season or consecutive seasons.
 - **Those who have not previously received ≥ 2 doses** or whose previous influenza vaccination history is unknown, **require 2 doses for the 2020–21 season**. The interval between the 2 doses should be ≥ 4 weeks.

EXAMPLES:

- Got 2 flu shots last season 2020/2021= 1 dose this season
- Got one flu shot last season 2020/2021, got one flu shot season 2019/2020= 1 dose this season
- Got only 1 flu shot ever regardless of which season= 2 doses this season

Flu Vaccines Available 2021 - 2022

Ages 6 months-64 years	Egg Allergies	Ages 2-49 years In select clinics	Ages 65+
Inactivated vaccine: • Fluarix	FluBlok Quadrivalent (ages 18+) Flucelvax (ages 2+)	FluMist Quadrivalent (live intranasal sprayer, contraindicated in pregnancy)	High Dose Inactivated: • Fluad • FluZone High-Dose (reserved for solid organ transplant clinic & pts >65 with other compromising conditions)

Prepare to place orders the week of August 30th, 2021

Quadrivalent Influenza Vaccine (Fluarix)

A quadrivalent influenza (flu) vaccine is designed to protect against four different flu viruses, including two influenza A viruses and two influenza B viruses.

Can be given to children as young as 6 months old.

Flu vaccines that protect against four flu viruses have a safety profile similar to seasonal flu vaccines made to protect against three viruses, with similar—mostly mild—side effects. Like all seasonal flu vaccines, vaccines that protect against four flu viruses are monitored annually for their safety and effectiveness.



Recombinant Influenza Vaccine/Flublok Quadrivalent (egg free)

- Per CDC, people with egg allergies can receive any licensed, recommended age-appropriate influenza vaccine that is otherwise appropriate.
- Egg Free vaccine is appropriate for people who have a history of *severe* egg allergy (those who have had any symptom other than hives after exposure to egg).
- These patients need to be supervised by a health care provider who is able to recognize and manage severe allergic reactions.
- Flublok Quadrivalent is licensed for use in people 18 years and older.
- Flucelvax is licensed for use in people 2 years and older



Fluzone & Fluvad **High-Dose** Seasonal Influenza Vaccine

- People 65 years and older:
 - Highest risk for flu-related deaths and they have poorer immune responses to flu vaccines than younger people.
 - Account for 70 to 85 percent of flu-related deaths and 50 to 70 percent of flu-related hospitalizations each flu season.
- High-Dose Quadrivalent is a four-ingredient (quadrivalent) flu vaccine approved for people 65 years and older.
- Contains four times the antigen, the higher dose of antigen in the vaccine is intended to give older people a better immune response, and therefore, better protection against flu.



Side Effects

- Common side effects from a flu shot include soreness, redness, and/or swelling where the shot was given, headache (low grade), fever, nausea, muscle aches, and fatigue. The flu shot, like other injections, can occasionally cause fainting.
- Life-threatening allergic reactions to flu shots are very rare.
- Per CDC, there is a small possibility that flu vaccine could be associated with Guillain-Barré syndrome, generally no more than 1 or 2 cases per million people vaccinated. This is much lower than the risk of severe complications from flu, which can be prevented by flu vaccine.



2020 - 2021 Influenza Vaccination Options for Patients

UCSD has several options for patients to receive the influenza vaccination:

1. Schedule a drive thru flu shot at one of our drive thru sites.
2. Request an *appointment* to one of our three express care clinics or at one of the pharmacy locations.
3. Receive during clinic visit.

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2020 - 2021 Influenza Vaccination Options for Patients

Drive -Up Flu Shots
Open 7 days a week. By Appointment Only.



Rancho Bernardo
16950 Via Tazon
San Diego, CA 92127
Hours: 8am-6pm

Hillcrest
4168 Front Street
San Diego, CA 92103
Hours: 8am-6pm

La Jolla
9331 Athena Circle
San Diego, CA 92037
Hours: 8am-6pm

People ages 3 and up can be seen at our drive-up [locations](#) with an appointment. (No egg free or nasal spray version available at these sites). Schedule online in [MyUCSDChart](#) by going to "Schedule an Appointment" under "Visits" on your desktop or in "Appointments" on your mobile app. You can also call 1-800-926-8273. Unscheduled arrivals will **not** be accepted.

Please note: Per CDC guidance, any driver who receives a vaccine will be asked to wait 15 minutes before leaving to monitor for adverse reaction(s) and ensure that driving is safe.

Walk-In or Appointment Flu Shots

Downtown Express Care 203 West F Street San Diego, CA 92101	Urgent Care - La Jolla 8910 Villa La Jolla Drive, La Jolla
Encinitas Express Care 1505 Encinitas Blvd. Encinitas, CA 92024	Urgent Care - Rancho Bernardo 16950 Via Tazon, San Diego
Eastlake Express Care 2295 Otay Lakes Road Suite 110 Chula Vista, CA 91915	Walk-In Call: 800 - 926 - 8273 OR Request appointments online at: https://health.ucsd.edu/specialties/primary-care/Pages/flu-shots.aspx#clinicappt

UCSD Pharmacy Locations (appointment only):

Medical Offices South, Hillcrest 4168 Front St. San Diego, CA 92103 Wednesdays: 10:00 a.m. - 4:00 p.m. Call for appt: 619-543-5934 <i>*patients 12 years old and older only</i>	Moore's Cancer Center 3855 Health Sciences Dr. La Jolla, CA 92307 Mondays: 9:00 a.m. - 12:00 p.m. Call for appt: 858-822-6088 <i>*patients 12 years old and older only</i>
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**Patient cost for influenza vaccine varies by insurance company. Please reach out to your insurance provider for best cost options.*

UCSD PHARMACY

UCSD Pharmacy will be offering Flu Shots every Monday starting September 20th, 2021 at Moore's Cancer Center Pharmacy and every Wednesday starting on September 22nd, 2021 at Medical Offices South Pharmacy. Flu Shots will be given **by appointment only**. Insurance will be processed ahead of time. If you are not covered, the following prices apply:

- \$35.00 - Regular Flu Shot
- \$70 - High-Dose Flu Shot*

*Recommended for certain people over 65 years of age and some solid organ transplant recipients, ask a pharmacist for more details.

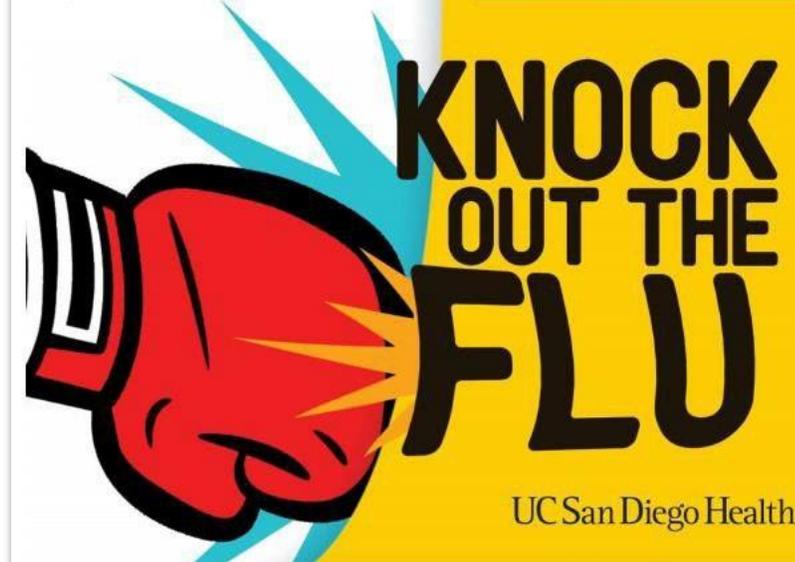
TIME & LOCATION

Medical Offices South Pharmacy
4168 Front Street
Hillcrest

Wednesdays: 10:00 AM - 4:00 PM
CALL FOR APPOINTMENT: (619) 543-5934

Moore's Cancer Center Pharmacy
3855 Health Sciences Drive
La Jolla

Mondays: 9:00 AM - 12:00 PM
CALL FOR APPOINTMENT: (858) 822-6088



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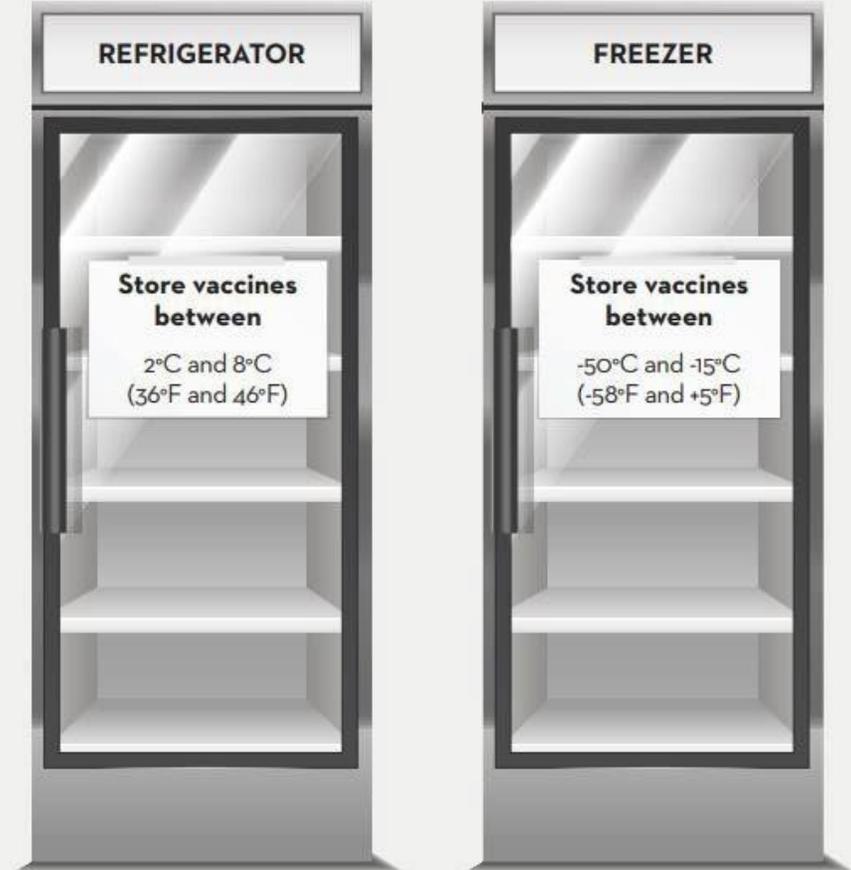
Vaccine Storage

- ✓ Vaccines must be stored properly from the time they are manufactured until they are administered.
- ✓ Potency is reduced every time a vaccine is exposed to an improper condition.
- ✓ This includes overexposure to heat, cold, or light at any step in the cold chain. Once lost, potency cannot be restored.

[Vaccine Storage and Handling Toolkit](#)

RESOURCES

HANDLE WITH CARE: Protect Your Vaccine | Protect Your Patients



- » Keep your storage units and vaccines within the appropriate temperature ranges.
- » Check and record storage unit min/max temperatures at start of each workday. If your device does not display min/max temperatures, then check and record current temperature a minimum of 2 times (at start and end of workday). Also check current temperature before accessing and administering vaccine.
- » Take immediate action if temperatures are out of range.
- » Keep vaccines in their original packages.
- » Many vaccines should be protected from light (consult manufacturer's product information).
- » Check expiration dates and rotate your vaccine stock to keep most recent expiration dates at the front.

Ordering and Administering

UC San Diego Health
ADULT SEASONAL INFLUENZA VACCINE STANDING ORDER
 For Use During Flu Season Only (September-April)
Approved by Pharmacy & Therapeutics Committee 11/16/2011, 09/17/2014, 10/04/2016, 09/30/2017, 08/15/2018, 7/17, 2019, 9.19.19

Under this standing order, eligible nurses (i.e., RN and LVNs), MAs (in unlicensed clinics only) and pharmacists may vaccinate adults in the outpatient setting who meet the criteria below.

Procedure:

1. Identify eligible persons: adults age 18 or older only.
2. Screen all patients for contraindications and precautions to influenza vaccine and refer any of these or other issues to a physician for further evaluation:
 - a. Severe allergic reaction (anaphylaxis or any symptom other than hives) after ingesting eggs or a previous dose of influenza vaccine or an influenza vaccine component.
 - b. Moderate or severe acute illness with or without fever.
 - c. History of Guillain-Barré syndrome.
3. Provide patient with the most current Vaccine Information Statement (VIS) from the Centers for Disease Control and Prevention (CDC): <https://www.cdc.gov/vaccines/hcp/vis-statements/flu.pdf>
4. Determine appropriate vaccine for patient.
 - a. For ages 18 – 64, use inactivated influenza vaccine (e.g., Fluorix, Fluzone).
 - b. For ages 65 and older, use high-dose inactivated influenza vaccine (e.g., FluZone High-Dose).
5. Enter order per protocol in the electronic medical record (Epic). Document vaccine lot number, expiration date, and VIS date.
- Administer inactivated influenza vaccine or high-dose inactivated influenza vaccine: 0.5 mL IM (22– 25 gauge, 1–1½" needle) at a 90 degree angle in the deltoid muscle. For patients weighing 91 kg (200 lbs) or more a longer needle may be necessary: use a 22– 25 gauge, 1 ½" needle at a 90 degree angle in the deltoid muscle.
6. Complete vaccine administration documentation in the electronic medical record. Document vaccine administration in the patient's personal immunization record card, if provided.
7. Refer any issues or concerns about the vaccine to a physician.
8. Report all adverse reactions to influenza vaccine or medication errors in UCSD's iReport event reporting system.

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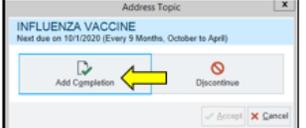
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Standard Work: Using Standing Orders for Influenza Vaccination

Purpose:	Reviews how to use the influenza vaccine standing order.	Last Updated:	7/20/2020	Owner:	Ambulatory Education
		Rev. #:	2.0	Cycle Time:	
		Rev. By:	PWS	Take Time:	

Tip Quality Critical Play Safety

#	Step to Complete	How to Complete this Step (Supporting information: Time, Pictures)	Why Complete this Step
		Influenza Vaccine Standing Orders are intended to empower ambulatory clinical staff members to provide influenza vaccinations to our patient population. The standing orders may be used by RNs/LVNs in all clinics and MAs in unlicensed clinic spaces. MAs must still have a RN or provider double check their medication before administration.	
1.	During every clinic visit determine influenza vaccine eligibility.	ALL patients 6 months and older are eligible for the influenza vaccination per the standing order during the influenza season.	All patients meeting criteria for the influenza vaccination should be screened.
2.	Determine if patient has already had the influenza vaccination or is refusing.	During EVERY clinic visit, the clinical staff member rooming the patient will determine if patient is interested in receiving the influenza vaccination; has already gotten it elsewhere or is refusing for the season. <i>This is to be done regardless if clinic currently carries the influenza vaccination in stock.</i> If patient states that they have received the vaccination elsewhere OR are refusing, go to the Health Maintenance Tab HEALTH MAINTENANCE and select INFLUENZA VACCINE under Current Care Gaps.	Keeping patient's chart up to date with the appropriate influenza vaccine status is required for adequate care and streamlining workflow.



Select Add completion. Never select *discontinue if patient is refusing.*

Influenza Vaccine Standing Order

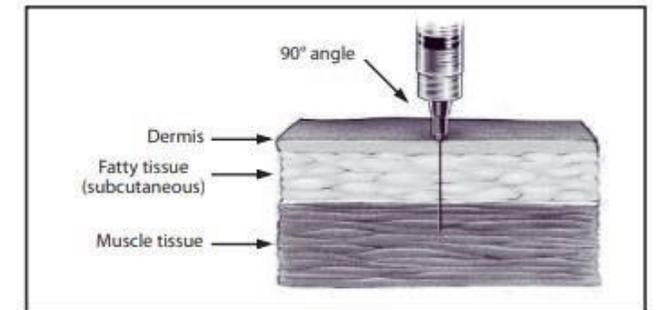
Standard Work

Administer vaccine in **deltoid muscle** (3 years and older)

1. Wash hands with soap and water or cleanse hands with alcohol hand gel
2. Wear gloves.
3. Wipe injection area with alcohol swab, using an outward spiraling motion
4. Give in the central and thickest portion of the deltoid muscle – above the level of the armpit and approximately 2–3 fingerbreadths (~2") below the acromion process.
5. At the bottom of the two fingers, will be an upside-down triangle. Give the injection in the center of the triangle.
 - ❖ To avoid causing an injury, do not inject too high (near the acromion process) or too low.
6. Initiate the needle protector/guard
7. Dispose of syringe/needle device in sharps container IMMEDIATELY



FIGURE 1. Intramuscular needle insertion



Source: Adapted from California Immunization Branch.

<https://www.immunize.org/catg.d/p2020a.pdf>

All clinics to screen vaccination status

- During **EVERY** clinic visit, the clinical staff member rooming the patient will determine if patient is interested in receiving the influenza vaccination; has already gotten it elsewhere or is refusing for the season.
- *This is to be done regardless if clinic currently carries the influenza vaccination in stock.*
- **NEW THIS YEAR:** Verify patient's **COVID Vaccine Status.** [Query Immunization Status Tip Sheet](#)



Due to Copyright restrictions, this PowerPoint has been edited to remove the following Epic instances:

- Vaccine Ordering through BPA
- Smart Set
- Postponing the BPA
- How to complete your influenza (Flu) Vaccine in MyUCSDChart

Ordering Flu Vaccine:

1. Use a Smart Set to order flu vaccine

Office Visit – use **"Immunization"** or **"Flu Vaccine"** Smart Sets, or order from BPA alert.

Flu Clinic – use **"Ambulatory Care Flu Clinic"** Smart Set.
Remember to select a Reason for visit and
Progress Note in the Smart Set

Select an appropriate flu vaccine
Sign the Smart Set

Staff Resources

UC San Diego Health employees must obtain their flu vaccine or have a medical exemption by November 1, 2021.

Where do I get my flu vaccine?

Last updated: 8/25/2021 9:21 AM

UC San Diego Health employees must obtain their flu vaccine or have a medical exemption by November 1, 2021. How to get your flu shot:

- [Flu Vaccine Received Elsewhere](#) Use MyUCSDChart to report if you got your flu shot from a non-UCSD primary care provider or retail pharmacy. **Note: Link is not currently active. Date TBD**
- Drive-Up clinics in La Jolla, Hillcrest and Rancho Bernardo. Kick-off scheduled for **September 8th** by appointment only.
- Peer-to-Peer program if you work in ambulatory or inpatient. Learn more here: [Peer to Peer Info](#)
- Satellite clinics to be held at select locations. If your location is participating, your department will inform you of the details. *Please note that due to the distancing restrictions of Covid-19, walk-up employee clinics will not be offered as in the past.*
- Make an appointment with your primary care provider or pharmacy. **Many health plans cover influenza vaccinations; however, depending on your insurance, there may be a charge for this option.**
 - If outside of UC San Diego Health, [please attest here](#)
- Walk-in at a UCSD [Express Care or Urgent Care](#) clinic- no appointment needed. **Depending on your insurance, there may be a charge for this option.**
- Medical Exemption Request (form filled out by your primary care provider)

What is Peer to Peer and Why do we offer it?

- Peer to Peer Vaccinations are clinic administered vaccinations.
- Staff won't have to worry about going to the mass flu clinics or getting them at PCP, etc.
- Employee Flu Vaccination Options:
 - Peer to Peer
 - Drive Up Clinics
 - Satellite Clinics



What is the Process?

-Requesting Vaccines

Please email: COEMflu@health.ucsd.edu regarding your interest in having your clinic administer vaccination to staff ASAP. Please indicate:

1. The total number of employees you want to vaccinate. This includes all clinical, administrative staff and providers. * Only order what you need! Return vaccines will NOT be accepted*
2. Please Indicate if you need any high dose vaccines are needed for employees 65 or older.
3. You will need an RN or LVN on-site to vaccinate (MA can vaccinate in non-licensed clinics)
4. You will need a medication refrigerator to store vaccines

Peer to Peer Documentation



1. COEM will make vaccine packets and then we will either deliver or have a representative to pick up at the La Jolla or Hillcrest Location.
2. **These packets will include:**
 - Vaccines
 - Vaccine stickers to go on employee badges

Documentation:

- Will be on EPIC!
- Flu champion will log into EHS clinic and document flu vaccine.
- Further instructions and tip sheets will be provided during zoom meetings.

Questions?

