

COVID-19 Infection Prevention Team Webinar 3: COVID Vaccine – Who What Where When Why?

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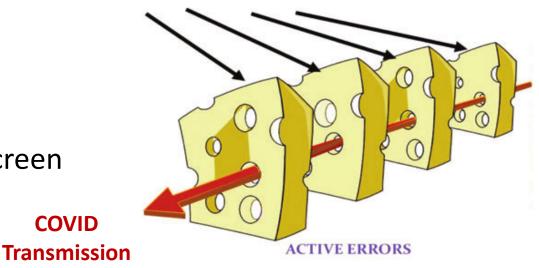
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Reminder: COVID-19 Prevention Strategies

COVID

- Universal masking
- Hand hygiene
- Social distancing
- Breakroom safety
- Staying home when ill
- Daily symptom and temperature screen
- Routine COVID testing \bullet
- **COVID-19 vaccination**

COVID Prevention Activities



First COVID-19 Vaccines to Be Authorized

- U.S. Emergency Use Authorization (EUA) expected soon for 2 vaccines
 - EUA allows use based upon 2 months of safety data
 - Full approval allows use based upon 6 months of safety data
- Pfizer's EUA anticipated by 12/10, Moderna's EUA anticipated by 12/17
- Distribution will follow right after EUA is granted
- Limited doses at first. Priority to healthcare personnel and residents of long-term care facilities
 - Pfizer's vaccine requires ultra cold storage \rightarrow hospitals, CVS/Walgreens
 - Moderna's vaccine requires cold storage \rightarrow nursing homes
- California state: First 327,000 Pfizer vaccine doses to arrive week of Dec 14

Who Will Receive the COVID-19 Vaccines?

- CDC prioritization
 - Phase 1a: Healthcare personnel and long-term care facility (LTCF) residents
 - *Phase 1b:* Essential workers (food/agriculture, utilities, transportation, educators, police/firefighters, corrections officers)
 - Phase 1c: Adults with high risk conditions or 65+ years old
- When will widespread vaccine be available to everyone?
 - Best guess: mid-April
- Insufficient data to recommend vaccination at this time (likely to change)
 - Pregnant or breastfeeding persons
 - Immunocompromised persons
 - Children < 12 years old</p>

Who Will Receive the COVID-19 Vaccines?

Health care Personnel ^{1,2} (HCP) (~21million)	Long-Term Care Facility (LTCF) Residents ³ (~3M)
Examples	
 Hospitals Long-term care facilities Outpatient clinics Home health care Pharmacies Emergency medical services Public health 	 Skilled nursing facilities (~1.3 M beds) Assisted living facilities (~0.8 M beds) Other residential care (~0.9 M beds)

^{1.} https://www.cdc.gov/infectioncontrol/guidelines/healthcare

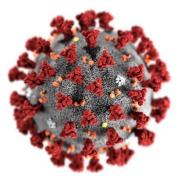
^{2.} personnel/index.htmlhttps://www.cisa.gov/publication/guidance -essential-critical-infrastructure-workforce

^{3.} https://www.cdc.gov/longtermcare/index.html

COVID-19 Vaccine: What is It?

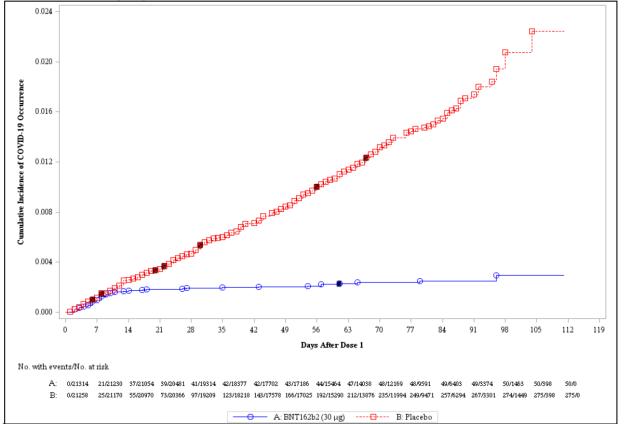
• Two dose COVID-19 mRNA vaccines

- Pfizer (doses 3 weeks apart), Moderna (4 weeks apart)
- 94-95% protective against COVID-19 in 44K trial (Pfizer) and 30K trial (Moderna)
- mRNA (messenger ribonucleic acid)
 - Not alive
 - Protein building instructions to make COVID-19 spike protein
 - Rapidly removed from body after protein made
 - Does not link into our genes
 - Spike protein recognized as "not human" → body makes antibodies to it and removes it. Antibodies stay and protect us from COVID infection



Pfizer Trial: Covid-19 Cases in Vaccine vs Placebo Groups

Figure 2. Cumulative Incidence Curves for the First COVID-19 Occurrence After Dose 1, Dose 1 All-Available Efficacy Population



Placebo arm continues to accrue COVID-19 cases

Vaccine arm stops seeing COVID-19 cases after vaccination

https://www.fda.gov/media/144246/download

Pfizer COVID-19 Vaccine: What to Expect?

- Intramuscular Injection
- Side Effects in Pfizer Trial (data released by FDA 12/8/2020)
 - No major adverse events
 - Mild-moderate flu-like symptoms common for 1-2 days post-vaccine
 - ✓ Fatigue 63%
 ✓ Muscle pain 38%
 ✓ Joint pain 24%
 ✓ Headache 55%
 ✓ Chills 32%
 ✓ Fever 14%

Note: serious side effects: 4% fatigue, 2% headache

- Overall, any symptoms:
 - ✓ 59% after 1st dose, 70% after 2nd dose

✓ Over-the-counter (OTC) meds used 28% after 1st dose, 45% after 2nd dose

✓ Fewer side effects if >55 years old (20% used OTCs after 1st dose, 38% 2nd)

Moderna COVID-19 Vaccine: What to Expect?

- Intramuscular Injection
- Side Effects in Moderna Trial
 - Data to be released during FDA EUA review on or before 12/17/20
 - No major adverse events
 - Mild-moderate flu-like symptoms common but data not public yet
 - Serious side effects: 10% fatigue, muscle aches 9%, joint pain 5%, headache 5%

Moderna COVID-19 Vaccine: What to Expect?

- Commit to both doses if you sign up
- Be prepared for your body's immune response each time
- Do not pre-medicate (blunts immune response) with aspirin, acetaminophen (Tylenol), ibuprofen (e.g. Motrin/Advil). Do not take before vaccine dose.
- Do take OTC meds after vaccination if symptoms make you uncomfortable
- Not "infectious": if feeling well enough to work, can work

Vaccine: How Should Supervisors Prepare

- If possible, stagger vaccination, especially with same-skill workers.
- Prepare for 10-20% to call out sick due to post-vaccine symptoms
- Provide a way to clear staff for entry symptom screening if symptoms occur in the first few days after vaccination
- If possible, schedule vaccination to avoid important activities, including work shifts, for the next day or two after vaccination

> Applies to everyone: leadership, managers, staff

> Plan for needing some coverage

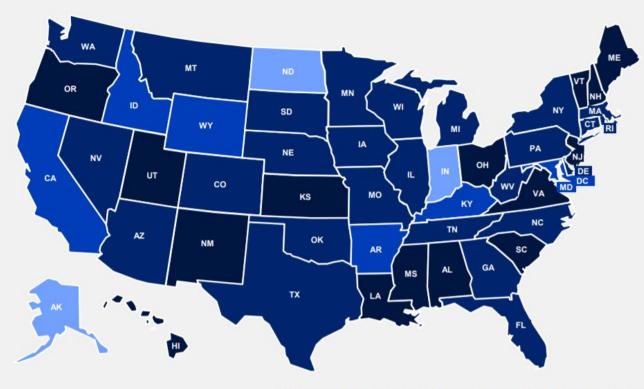
• **Be positive.** Your response affects acceptance of second dose.

Vaccine: Where?

- Two ways to obtain vaccine for residents, staff
- **Option 1:** Pharmacy Partnership for Long-Term Care Program
 - CVS, Walgreens provide on-site vaccination at nursing home
 - > Anticipate at least on-site 3 vaccine sessions to capture everyone
 - Inquire if a few more on-site sessions is possible to stagger vaccination
 - Handles all required documentation
 - Free of charge
- **Option 2:** Direct provider enrollment to provide on-site vaccine at nursing home
 - Enroll in COVIDReadi, <u>https://ca.covidreadi.com/</u>
 - > Coordinate with local public health for vaccine, documentation process

Vaccine: Where?

Skilled Nursing Facilities (SNFs) Enrolled in Pharmacy Partnership for Long-Term Care Program



100% of SNFs enrolled 95-99% of SNFs enrolled 90-94% of SNFs enrolled 80-89% of SNFs enrolled <80% of SNFs enrolled

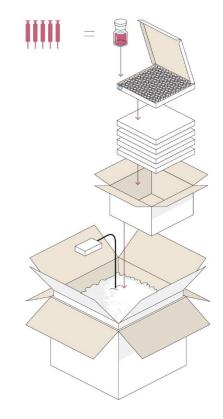
99% of total SNFs nationwide have enrolled (N=15,353)

* States >100% enrollment: Numerator may include non-CMS-certified SNFs. Denominator is only CMS-certified 47

Vaccine: When?

- Pfizer EUA anticipated by 12/10/2020
- Overnight shipments of ultra cold storage boxes begins
- Anticipate arrival of boxes week of 12/14
- Pharmacy Partnership will provide more instructions
- Key resources
 - <u>https://www.cdph.ca.gov/Progra</u> <u>ms/CID/DCDC/Pages/COVID-</u> <u>19/COVID-19Vaccine.aspx</u>
 - <u>www.cdc.gov/vaccines/covid-</u> <u>19/long-term-care/pharmacy-</u> <u>partnerships.html</u>
 - o <u>COVIDCallCenter@cdph.ca.gov</u>





Vaccine: Why?

- COVID Pandemic: 68 million cases, 1.6 million deaths
 - > 285,000 lives lost in U.S> due to COVID
 - > 1,980 lives lost in U.S. *every day* in current surge
 - High vaccine population uptake (>70%) can end the pandemic
 - > Vaccine prevents cases, deaths, long-term effects of COVID-19 infection
- Your voice, support, encouragement makes all the difference
 - Keep the goal in sight, past the temporary vaccine immune response of both doses, through the fear of the current surge
 - > We know how to define success. Be a calm, steady encourager.

Vaccine FAQs for Staff

22 Question FAQ posted on www.ucihealth.org/stopcovid



COVID-19 Vaccine Frequently Asked Questions

1. Why should I get the COVID-

We all want this pandemic to pandemic caused 67 million (striking numbers are likely ur tested are counted. In the Ur COVID-19. In the current win due to COVID-19. A safe and pandemic. Experts believe th before the pandemic will end

In addition to preventing disgetting sick with COVID-19 t long lasting effects of infecti has been reported to cause k of breath, cough, joint pain, c ("brain fog"), depression, mu addition, some people have r skin, teeth, and nervous syste infection can be prevented by

2. Who is prioritized to get the

- The following two groups rec Healthcare personnel (
- Residents of long-term

Combining the availability of

doses will be provided to the start the two-dose series in 2

There are many different types of COVID-19 vaccines under development. The

6. What is in the vaccine? What is an mRNA vaccine?

two vaccines that have anticipated EUA status are both mRNA vaccines. mRNA stands for "messenger ribonucleic acid" and it encodes the instructions for your body to make a specific protein (Spike protein) on the surface of the SARS-CoV-2 virus. When your body

not human, and your body develop protein itself, but mRNA vaccines in to make the protein.

After making the protein, your body not stay in your body. It is tempora code. The COVID-19 vaccines are no have been made for flu, rabies, CM

7. Can the COVID-19 vaccine give me None of the currently developed CC virus. The mRNA vaccines are not liv COVID-19. The vaccine does not ma

8. Will getting the COVID-19 vaccine (am tested after being vaccinated? No. The vaccine will not cause you t such as PCR tests or antigen tests. H

- 50 million doses to the world by end 2020 to test positive for antibody tests (a 1.3 billion doses to the world in 2021 build antibodies to COVID-19. Expected Emergency Use Authorization (El 9. Should I worry that the vaccine wa
- Large scale trial (30,000 participants) show No steps were skipped. All of the C(Two dose vaccine, requires standard cold s in the U.S. were either helped by go First shipments to nursing homes Speed) or were funded by large con 20 million doses to the world by end 2020 things to speed up: 500 million to 1 billion doses to the world
 - Trial enrollment. If you can in recruiting patients, you can e
- time period. For example, yo and full FDA (Food and Drug Administration) approval for a vaccine?

When an effective vaccine has been demonstrated in a trial, it can apply for EUA status with 2 months of post-vaccine safety data. In order to apply for full approval, 6 months of post-vaccine safety data must be provided. The FDA is encouraging companies who receive EUA status to apply for full approval as soon as possible. Both mRNA vaccines have reported outstanding safety data with no serious side effects (see Question 13).

hospitals which can handle ultra-cold storage while

be given to long-term care facilities. This may chang

No. The vaccine is voluntary, but highly recommend

Several companies are working on COVID-19 vaccine

virus that causes COVID-19, SARS-CoV-2. Two have a

trials and are likely to be authorized for use in 2020

Expected Emergency Use Authorization (El

Large scale trial (44,000 participants) show

o Two dose vaccine, requires ultra-cold stora

First shipments to hospitals, which can har

5. What is the difference between Emergency Use Au

3. Is the vaccine required for healthcare personnel?

4. What COVID-19 vaccines are currently available?

Drug Administration). These two include:

Pfizer mRNA vaccine

Moderna mRNA vaccine

people into a trial, or you can have 1,00

- person into a trial. The more staff recru enrollment. The funds helped the trials of participants. Manufacturing, Funds help increase th plants, warehouses, and employees. In
 - fast to manufacturer because they don't the virus in eggs to ultimately produce vaccine. These vaccines do not involve molecular based and can be rapidly ma

10. How well does the vaccine work?

The Pfizer and Moderna COVID-19 vaccines ha vaccine trials involving tens of thousands of p remarkable 94-95% efficacy. 95% efficacy me only 5% of the cases seen in the placebo (non the placebo (non-vaccine) group had 100 case group would only have 5. Importantly, the var cases overall, but it prevented severe COVID-Pfizer COVID-19 vaccine Phase 3 trial (

- 95% efficacy (protection)
- All COVID-19 cases: 162 in placebo
- Severe COVID-19 cases: 9 in placel
- Moderna COVID-19 vaccine Phase 3 tria
- 94% efficacy (protection)
- All COVID-19 cases: 185 in placebo group vs. 11 in vaccine group Severe COVID-19 cases: 11 in placebo group vs. 0 in vaccine group

While the vaccine trial data have not been published yet, vaccine trial data have been submitted in full to the FDA and shared with the CDC's Advisory Committee on Immunization Practices (ACIP) who voted to prioritize COVID-19 vaccines to healthcare personnel and residents of long-term care facilities.

11. How many doses is the vaccine and how far apart?

Both the Pfizer and Moderna vaccines are a two-dose series. This means that you must receive both doses to achieve the 94-95% protection that was seen

The Pfizer vaccine is two doses given 21 days apart. • The Moderna vaccine is two doses given 28 days apart

12. Am I protected as soon as I receive the vaccine? Can I stop wearing a mask? No. The protection provided by both Pfizer and Moderna vaccines occurred 7 days after the second dose. Until that time, you should assume you have no proven benefit from the vaccine. In addition, even after you are vaccinated

all policies, protocols, and public health orders remain in place until you are notified otherwise the population needs to be vaccinated before t

13. What side effects do the vaccines have? Do I h

Thus far, vaccines trials have shown that COVID protective and generate a strong immune response vaccines produce an immune response, there m the flu, but do not mean you are infected or con symptoms are simply a sign that your body is su immune response to provide you protection. Expect some symptoms after vaccination

vaccines commonly cause mild-to-moder symptoms. Data are being reviewed by th available

Smart scheduling

 Recommend trying to schedule vac have anything important planned i including work shifts Recommend ensuring that staff wh not get vaccinated on the same day will ensure that you don't have a lo work for vaccine-related side effect • Do not pre-medicate. For advice on use of medications such as aspirin, acetaminoph ibuprofen (e.g. Motrin, Advil), see Questi

 Pfizer mRNA vaccine Any symptoms: 59% after 1st dose,

the COVID-19 vaccine, doses will be given late until CDC or published data provide guidance on when it is too late to give the second dose.

17. Should I get the COVID-19 vaccine now or wait?

The best time to get the vaccine is now when the pandemic is at its peak and people are becoming sick and dying from COVID-19 every day. The best way to end the pandemic is for 70% of people to get vaccinated. The fact that two large trials with over 70,000 combined participants have shown that mRNA COVID-19 vaccines are highly protective with only brief temporary mild side effects is very reassuring for vaccine safety and benefits.

18. When will the general public get the vaccine? How many doses will the US eventually receive?

Vaccine manufacturing is moving at a very fast pace. Hopefully, COVID-19 vaccines will be widely available for public consumption by mid-April. In addition to the Pfizer and Moderna vaccines, several other vaccines are in current trials that will complete in early 2021. Furthermore, vaccine trials in children under 12 years old have also begun. The 40 million doses of the mRNA vaccines that are anticipated to arrive in the US by December will provide the two-dose series for 20 million people. Millions of additional doses will arrive in January and thereafter.

19. Who pays for the vaccine?

At this time, public health is distributing these mRNA vaccines for free because the government has purchased millions of doses. In the future, this may change. The government may purchase more doses, your insurance may cover the cost, or you may be able to pay out of pocket.

20. I already had COVID-19. Am I supposed to get the vaccine?

Yes. Persons who have had COVID-19 should still receive the vaccine. Immunity to COVID-19 following COVID-19 infection is highly variable. The vaccine will ensure you are protected with the benefit found in the trials. You should not receive the vaccine while you are actively infected, but after full recovery, you can and should receive the vaccine.

important to anticipate that the C illness after each dose. These symptoms do not mean that you have an infection or are sick with COVID-19. Instead, these vaccine-related symptoms are a sign that your body is working hard to build an immune response to protect you from future infection. Thus, developing these symptoms after the first dose does not mean you shouldn't receive the second dose. You should expect similar symptoms after each dose.

16. What if I missed my second dose? Can I get it late?

Mild to moderate syr

Few grade 3 (severe)

All temporary respon

Limited data currentl

Grade 3 (severe) side

pain 5%, headache 5

Moderna mRNA vaccine

Anticipate 10-20% call off o

14. Should I plan to take Tylenol or N

No. Do not pre-medicate. In gene

medications such as aspirin, aceta

Motrin, Advil before receiving a vi

blunt your immune response to th

counter medications is if you have

after vaccination. If you are uncor

the-counter medication to help yo

You must complete both doses of

94-95% protection shown in the v

should not start the vaccine series

15. What if I get the first dose and th

muscle aches 38%, cł

Try to be on time with your second dose because the data on vaccine benefit was based upon a fixed number of weeks between doses (3 weeks between Pfizer doses; 4 weeks between Moderna doses). If you are late, you should still receive the second dose. Most vaccines have rules for how many weeks



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Orange County Nursing Home Infection Prevention Toolkit

For Orange County nursing homes only - schedule a consultative session with the OC Infection Prevention Team

1. Introduction - Preventing COVID-19 in Nursing Homes

- Roadmap Key Strategies for Preventing COVID-19 in Nursing Homes (PDF) (DOC)
- FAQs Overview of COVID-19 (PDF) (DOC)
- FAQs COVID-19 Vaccine (PDF) (DOC)
- FAQs for Staff Concerns About COVID-19 Exposure (PDF) (DOC)
- FAQs for Staff Monitoring Yourself for Infection Symptoms (PDF) (DOC)
- Video What is COVID and How Does It Spread?

2. Visitors

- COVID-19 Visitor Policy for Nursing Homes (PDF) (DOC)
- FAQs Visitor Policy (PDF) (DOC)
- No Visitor Policy -Letter to Family (PDF) (DOC)
- 3. Social Distancing, Masking, and Shared Activities

ucihealth.org/stopcovid



Questions?



(949) 824-7806 or COVIDTeamOC@gmail.com