



**COVID-19 Vaccination Training** 



# **COVID-19 Vaccination Program Objectives**

Most crucial mass immunization program in recent history.

- Ensure safety and effectiveness of vaccines
- Reduce incidence of serious illnesses and deaths
- Minimize disruption to society and economy
- Maintain healthcare capacity
- Ensure equity in vaccine allocation and distribution



# Training and Education is Critical

ALL HCP should receive comprehensive, competency-based training BEFORE administering vaccines.

- Prevent errors, injuries, adverse events
- Preserve and maximize a precious, life-saving resource
- Prevent compromising vaccine efficacy
- Prevent loss of confidence in the vaccine, in our care and practice



# Become a COVID-19 Immunizer

#### As a COVID-19 Immunizer, you will:

- Contribute to an important public health cause
- Make a global impact
- Be part of the solution
- Save lives





# Timelines

In December 2020, the Food and Drug Administration (FDA) granted Emergency Use Authorization (EUA) to 2 COVID-19 vaccines in the US.

- Dec 11<sup>th</sup>: Pfizer/BioNTech's COVID-19 vaccine
  - Dec 13<sup>th</sup>: Use in persons ≥16 years of age
- Dec 18<sup>th</sup>: Moderna's COVID-19 vaccine indicated for persons ≥18 years of age

As of December 28th, 3 vaccines are in Phase 3 clinical trials

• AstraZeneca's, Janssen's, Novavax's COVID-19 vaccine



# **Emergency Use Authorization (EUA)**

Allows access to critical medical products during a public health emergency. An EUA is different from licensure/approval.

Criteria for an EUA to be issued:

- Used for a serious or life-threatening disease or condition
- May be effective based on scientific evidence
- Known and potential benefits outweigh risks
- There is no adequate FDA-approved alternative available



# **EUA Considerations for Vaccine Providers**

Scope of authorized use will be specified in an EUA Fact Sheet for HCP. Use Requirements:

- Provide the EUA Fact Sheet for Recipients (hard copy or electronic)
   Report vaccine administration data to CDC
- Report administration errors and adverse events to VAERS

#### Pfizer's Fact Sheets:

EUA Fact Sheet for Vaccine Providers
EUA Fact Sheet for Recipients and Caregivers

#### Moderna's Fact Sheets:

EUA Fact Sheet for Vaccine Providers
EUA Fact Sheet for Recipients and Caregiver



# Benefits of Getting a COVID-19 Vaccine

- Help decrease your risk of getting COVID-19
- Prevent serious illness if you do end up with COVID-19
- May also protect people around you
- Develop immunity without risks of infection
- An important tool to help stop the pandemic

Stopping a pandemic requires all the tools we have available.

Masking, physical distancing, hand hygiene must continue until we reach community immunity

# Vaccine Types

**Viral vector** (e.g. AstraZeneca and Johnson & Johnson)

Uses an inactivated viral vector to induce production of immunogenic SARS-CoV2 spike protein

**Protein-based** (e.g. Novavax, Sanofi and GlaxoSmithKline)

Virus protein packaged into a nanoparticle is delivered into cells with an adjuvant to enhance immune response

Messenger Ribonucleic Acid (mRNA) (e.g. Pfizer/BioNtech and Moderna)

Encodes virus protein. When inserted into cells, induces production of harmless but immunogenic SARS CoV-2 spike protein

- Adjuvant: Substance used to enhance immune responses
- Vector: Weakened virus used as a carrier to deliver immune-stimulating material



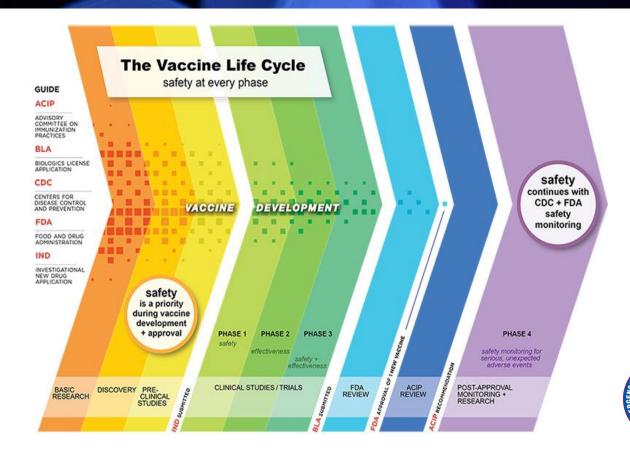
## mRNA Vaccines

Contains instructions for building a harmless coronavirus protein known as "spike" which then gets released into the body and triggers an immune response without causing infection.

- New but not unknown
- Studied for more than a decade and rigorously tested for safety
- Does not use inactivated or live virus
- Does not affect a person's DNA
- Cell breaks down and gets rid of the mRNA soon after it is finished using the instructions



# Vaccine Safety





# Vaccine Efficacy and Immunity

FDA requires vaccines to be >50% effective

- Pfizer:
  - 52% effective after 1<sup>st</sup> dose
  - 95% effective after 2<sup>nd</sup> dose
  - Equally effective regardless of age, race, ethnicity, weight or sex
- Moderna:
  - 94.5% effective after 2<sup>nd</sup> dose; 100% against serious disease
- Generally, it takes a week or two for immunity to develop post vaccination
- Since we do not yet know how long immunity after infection lasts, immunity following vaccination will also have to be determined



# Vaccine Efficacy and Immunity

Phase 3 Clinical Trials

Typical size: Hundreds to thousands of volunteers

COVID Vaccine Trials: Many of the COVID-19 vaccine trials are much larger than a typical phase 3 clinical trial

Pfizer had 44, 000 participants

- 162 cases of symptomatic disease in placebo; 8 in vaccine group
- 10 cases of severe disease; 9 in placebo, 1 in vaccine

Moderna had 30, 000 participants

- 90 cases of symptomatic disease in placebo; 5 in vaccine group
- 11 cases of severe COVID all in placebo group



## Possible Side Effects

- Anticipated, self-limiting, benign
- Sign that the immune system is being primed

#### Data from published Phase I/II trials Moderna<sup>1</sup> Adults 18-55 years of age 100µg Post-dose 1 Post-dose 2 Mild Moderate Mild Moderate N=15 Severe Severe Systemic Fever 5 (33%) 1 (7%) symptoms Headache 4(27%)5 (33%) 4 (27%) more Myalgia 1 (7%) 2 (13%) 6 (40%) common Pfizer<sup>2</sup> after second Post-dose 2 30µg Post-dose 1 dose Moderate Moderate N=12 Mild Severe Mild Severe 1 (8%) 2 (17%) Fever 1 (8%) Headache 3 (25%) 1 (8%) 2 (17%) 6 (50%) 2 (17%) 1 (8%) 1 (8%) 4 (33%) Myalgia 1 (8%) 3 (25%)



<sup>&</sup>lt;sup>1</sup>Jackson et al. An mRNA Vaccine against SARS-CoV-2- Preliminary report. NEJM 2020;20:1920-1931.

<sup>&</sup>lt;sup>2</sup>Walsh et al. Safety and immunogenicity of two RNA-Based COVID-19 vaccine candidates. NEJM 2020; online publication Oct 14.

# Managing Side Effects

Usually last 24-48 hrs and resolve on their own.

- For local reactions or fever, may take OTC meds
- Rest and hydrate. No strenuous activity/exercise for a few hours
- Reduce soreness by moving arm throughout the day
- Apply cold packs to site 15-20 mins, initially for 24 hours
- Plan for possible absenteeism due to side effects

\*Routine prophylaxis is not recommended at this time, due to lack of information on impact of use on vaccine-induced antibody responses

# **Vaccine Information**

COVID-19 Vaccine	Pfizer	Moderna
Age indication	16 yrs and older	18 yrs and older
Dose	0.3 ml	0.5 ml
Route & Site	IM, deltoid muscle	IM, deltoid muscle
Schedule	2 dose (0, 21 days) *4-day grace period (17-21 days)	2 dose (0, 28 days)  *4-day grace period (24-28 days)
Presentation	Multi-dose vial 5-6 doses of 0.3 ml per vial	Multi-dose vial 10 doses of 0.5 ml per vial
Diluent	1.8 ml of 0.9 % sodium chloride (normal saline)	None

<sup>\*</sup>COVID-19 vaccines will NOT be interchangeable



<sup>\*</sup>Second doses should be administered as close to the recommended interval as possible

<sup>\*</sup>Do not use the grace period to schedule appointments for the second dose

# Vaccine Ingredients

Description	Pfizer-BioNTech COVID-19 vaccine	Moderna COVID-19 vaccine
mRNA	Nucleoside-modified mRNA encoding the viral spike (S) glycoprotein of SARS-CoV-2	Nucleoside-modified mRNA encoding the viral spike (S) glycoprotein of SARS-CoV-2
Lipids	2[(polyethylene glycol)-2000]-N,N-ditetradecylacetamide	PEG2000-DMG: 1,2-dimyristoyl-rac-glycerol, methoxypolyethylene glycol
	1,2-distearoyl-sn-glycero-3-phosphocholine	1,2-distearoyl-sn-glycero-3-phosphocholine
	Cholesterol	Cholesterol
	(4-hydroxybutyl)azanediyl)bis(hexane-6,1-diyl)bis(2-hexyldecanoate)	SM-102: heptadecan-9-yl 8-((2-hydroxyethyl) (6-oxo-6- (undecyloxy) hexyl) amino) octanoate
Salts,	Potassium chloride	Tromethamine
sugars, buffers	Monobasic potassium phosphate	Tromethamine hydrochloride
	Sodium chloride	Acetic acid
	Dibasic sodium phosphate dihydrate	Sodium acetate
	Sucrose	Sucrose

OHSU

<sup>\*</sup> Neither vaccine contain eggs, gelatin, latex, or preservatives

# Storage and Handling "To protect our vaccine recipients we must protect our vaccine supply"

#### Pfizer/BioNTech's COVID-19 vaccine cold chain

#### 6 months

In ultra-low temp freezer (-80° to -60°C)

#### 30 days

In Pfizer's thermal shipping container refilled with dry ice (-23kg) at 5 day intervals

#### 10 days

In unopened thermal shipping container

#### 5 days

Refrigerated

 $(2^{\circ}-8^{\circ}c)$ 

#### 6 hrs

After reconstitution



# Storage and Handling "To protect our vaccine recipients we must protect our vaccine supply"

Moderna's COVID-19 vaccine cold chain

STORE FROZEN -25°to -15°C until ready for use

1 month

Refrigerated

12 hrs

in room temp

6 hrs

After first

use



# Storage and Handling "To protect our vaccine recipients we must protect our vaccine supply"

#### Pfizer/BioNTech

#### Thaw before use:

- Thaw for 30 minutes at room temp before dilution
  - Once thawed at room temp, it must be diluted within 2 hours. If unable to dilute within 2 hours, store at 2°C–8°C
- Can't be re-frozen

#### Moderna

#### Thaw before use:

- Thaw in refrigerated conditions between 2°C to 8°C for 2 hours
- Let vial stand at room temperature for 15 minutes before administering
- Alternatively, thaw at room temperature between 20°C to 25°C for 1 hour
- Can't be re-frozen



# Vaccine Preparation

It is critical to prepare the vaccine correctly to:

- Maintain the integrity and efficacy of the vaccine
- Protect against contamination
- Limit risk of adverse events
- Prevent waste of precious resource: If we err on preparation we waste 5-10 doses of vaccine



## Vaccine Reconstitution

Process of mixing lyophilized (freeze-dried) vaccine with a diluent Basic steps:

- 1. Remove protective caps and wipe each stopper with an alcohol swab
- 2. Insert needle of syringe into diluent vial and withdraw 1.8 ml of diluent
- 3. Inject diluent into lyophilized vaccine vial
- 4. Invert the vial 10 times gently to mix (**do not shake**)
- 5. Check the appearance of the reconstituted vaccine (should be off-white with no visible particulates) for any discoloration/particulate matter or obvious lack of resuspension\*

<sup>\*</sup> If appearance of vaccine is not acceptable, do not use vial, note lot number and report immediately

<sup>\*</sup>Pfizer: https://www.cvdvaccine-us.com/images/pdf/How-To-Prepare-and-Administer-the-Vaccine-us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-Prepare-and-Administer-the-Us.com/images/pdf/How-To-P

# Managing Temperature Excursions



» Notify the primary or alternate vaccine coordinator immediately or report the problem to a

supervisor.

» Notify staff by labeling exposed vaccines, "DO NOT USE," and placing them in a separate container apart from other vaccines in the storage unit. Do not discard these vaccines.



- » Document details of the temperature excursion:
- · Date and time · Storage unit temperature (including minimum/maximum temperatures during the time of the event, if available)
- · Room temperature, if available
- · Name of the person completing the report
- · General description of the event (i.e., what happened)
- · If using a digital data logger (DDL), determine the length of time vaccine may have been affected
- · Inventory of affected vaccines
- . List of items in the unit other than vaccines (including water bottles)
- · Any problems with the storage unit and/or affected vaccines before the event
- · Other relevant information



- » Contact your immunization program and/or vaccine manufacturer(s) for guidance per your standard operating procedures (SOPs).
- » Be prepared to provide the immunization program or manufacturer with documentation and DDL data so they can offer you the best quidance.

#### Contact manufacturer for excursions 1-844-375-4728 GlaxoSmithKline 1-888-825-5249 Massachusetts 1-888-825-5249 **Biological Labs** 1-877-633-4411 Medimmune Merck 1-800-672-6372 1-800-438-1985 Sanofi Pasteur 1-800-822-2463 1-855-358-8966

- » If the temperature alarm goes off repeatedly, do not
- determined and » Check the basics. including:

disconnect the

alarm until vou have

addressed the cause.

- · Power supply
- Unit door(s) · Thermostat settings
- » If the excursion was the result of a temperature fluctuation. refer to the section. "Vaccine Storage and Temperature Monitoring, Equipment," in CDC's Vaccine Storage and Handling Toolkit for detailed guidance on adjusting storage unit temperature to the appropriate range.
- » If you believe the storage unit has failed, implement your emergency vaccine storage and handling SOPs. Never allow vaccines to remain in a nonfunctioning unit following a temperature excursion.



U.S. Department of Health and Human Services Centers for Disease Control and Prevention



# Contraindications and Precautions to mRNA COVID-19 Vaccine

#### MAY PROCEED WITH VACCINATION

#### CONDITIONS

#### · Immunocompromising conditions

- Pregnancy
- Lactation

#### **ACTIONS**

#### Additional information provided\*

15 minute observation period

#### ALL FRGIES

History of allergies that are unrelated to components of an mRNA COVID-19 vaccine<sup>†</sup>, other vaccines, injectable therapies, or polysorbate, such as:

- · Allergy to oral medications (including the oral equivalent of an ACTIONS: injectable medication)
- · History of food, pet, insect, venom, environmental, latex, etc., allergies
- · Family history of allergies

#### ACTIONS

- 30-minute observation period: Persons with a history of anaphylaxis (due to any cause)
- · 15-minute observation period: All other persons

#### PRECAUTION TO VACCINATION

#### CONDITIONS

Moderate/severe acute illness.

#### **ACTIONS**

- Risk assessment
- · Potential deferral of vaccination
- 15-minute observation period if vaccinated

#### ALLERGIES

· History of any immediate allergic reaction\* to vaccines or injectable therapies (except those related to component of mRNA COVID-19 vaccines<sup>†</sup> or polysorbate, as these are contraindicated)

- Risk assessment
- · Consider deferral of vaccination and/or referral to allergist-immunologist
- · 30-minute observation period if vaccinated

#### CONTRAINDICATION TO VACCINATION

#### CONDITIONS

None

#### **ACTIONS**

N/A

#### ALLERGIES

History of the following are contraindications to receiving either of the mRNA COVID-19 vaccines<sup>†</sup>:

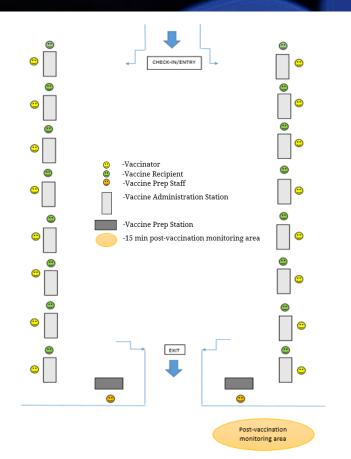
- Severe allergic reaction (e.g., anaphylaxis) after a previous dose of an mRNA COVID-19 vaccine or any of its components
- Immediate allergic reaction<sup>†</sup> of any severity to a previous dose of an mRNA COVID-19 vaccine or any of its components^(including polyethylene glycol)#
- · Immediate allergic reaction of any severity to polysorbate^#

#### **ACTIONS**

- Do not vaccinate#
- · Consider referral to allergistimmunologist



### Mass Immunization Clinic Flow



# COVID-19 Precautions during an Immunization Clinic:

- COVID symptom screening
- One way entry and exit
- Physical distancing and signage
- One vaccinator and vaccine recipient per 6 ft. table
- PPE will be required for vaccinator and vaccine recipients
- Hand hygiene and infection control supplies will be available
- Vaccines will be prepared using aseptic technique
- Cleaning and Disinfection



# Mass Immunization Clinic Flow

#### 5 Key Components:

- 1. Check-in (1-2 mins)
- 2. Screening/Assessment (1-2 mins)
- 3. Vaccination and Documentation (2-5 mins)
- 4. Monitoring (15 or 30 mins)
- 5. Check-out (<1 min)

\*Vaccine reconstitution and prep is a separate process.

Ensures integrity of vaccine and limits errors that result in wasted doses



# Personal Protective Equipment

National Center for Immunization and Respiratory Diseases

#### Vaccine Administration: COVID-19 Personal Protective Equipment





#### Face mask

 Recommended: All healthcare providers (N95 masks not recommended)



#### Eye protection

- Recommended: Areas of moderate/substantial community transmission
- Optional: Areas of minimal/ no community transmission unless otherwise indicated as a part of standard precautions



#### Gloves

- Recommended: Intranasal or oral vaccines
- Optional: Intramuscular or subcutaneous vaccines



# Vaccine Administration Equipment and Supplies

Ancillary supply kits will also be delivered separately and include:

- Sterile diluent: 0.9% sodium chloride (normal saline, preservative-free)
- · Mixing needles and syringes
- · Administration needles and syringes
  - 25-gauge, 1" (if vaccination indicated for pediatric population)
  - 22-25-gauge, 1-1.5" (adult)
- · Sterile alcohol preparation pads
- PPE (surgical masks and face shields for staff)
- COVID-19 vaccination record cards
- <u>Needle gauge and length chart</u> detailing the appropriate length/gauge for injections based on route, age (children), gender, and weight (adults)

Each ancillary kit includes enough supplies for 1 tray of vaccine.

Not included: Puncture-resistant, biohazard containers, gloves, and bandages



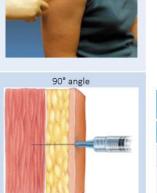
# Intramuscular Injection Technique



Angle of

insertion

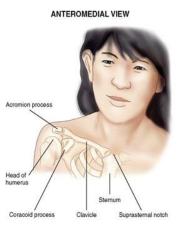
Needle size



Hold skin taut. Do not bunch!

22 to 25 gauge and

1-1½" inch long



Needle Size Recommendations				
MALE	FEMALE	NEEDLE SIZE		
А	dults ≥ age 18 yrs.			
Less than 130 Lbs	Less than 130 Lbs	5/8- 1 inch		
130- 150 Lbs	130-150 Lbs	1 inch		
153-260 Lbs	153- 200 Lbs	1- 1.5 inches		
260 + Lbs	200 + Lbs	1.5 inches		

Needle Size Recommendations



Giving a vaccine too high= can damage the bursa or other structures

Giving a vaccine too low= can damage the radial nerve where it winds around the humurus

Always measure!



- · Impairs the immune response to vaccine
- · Increases risk of adverse effects



# Intramuscular Injection Technique











# Prevent Shoulder Injury Related to Vaccine Administration (SIRVA)

- A debilitating injury to the musculoskeletal structures of the shoulder (bursa, joint space)
- Caused by incorrect injection technique (too high)
- Pain w/n 48 hrs unrelieved by OTC meds, limited range of motion can persist months-years
- 30% of cases will need surgery
- SIRVA is 100% preventable!



### Vaccine Administration Procedure (Pfizer or Moderna)

#### **Patient Education and Screening:**

- o Greet patient, introduce self, and verify correct patient using at least two identifiers (name, DOB/age); Pfizer is indicated for those ≥16 yrs; Moderna is indicated for those ≥18 yrs
- o Explain what vaccine will be given (Pfizer or Moderna COVID-19 vaccine) and which type of injection will be done (IM)
- Verify patient received an Emergency Use Authorization (EUA) Fact Sheet (<u>Pfizer</u> or <u>Moderna</u>) electronically and had time to read it. If not, provide the patient a physical copy
- o Screen for contraindications and precautions to vaccination (refer to Triage of persons presenting for mRNA COVID-19 vaccination below)
- Educate patient on what to expect after vaccination (possible side effects, interventions, and when to report side effects)
- o Educate on need to come back for 2<sup>nd</sup> dose of vaccine (same product as 1<sup>st</sup> dose, 21 days later for Pfizer; 28 days later for Moderna)

#### Vaccine Preparation:

- o Perform hand hygiene
- o Verify the final dosing volume on prepared syringe (0.3 ml for Pfizer; 0.5 ml for Moderna), liquid should be white to off-white, there should be no particulates or discoloration observed

#### Vaccine Administration:

- o Gather appropriate supplies for administration (vaccine prepared in a syringe, band aid, cotton ball, alcohol pad)
- o Position patient and self ergonomically. Have patient relax arm on their lap. Position yourself parallel to the patients arm to align your back
- o Have patient expose their entire preferred arm by rolling sleeve up to shoulder
- Locate acromion process (bony tip of shoulder)
- o Measure 2-3 fingerbreadths directly below the acromion process
- o Clean site with an alcohol wipe using circular motion from center to a 2"-3" circle. Allow to dry
- o Stabilize patient's arm with the non-dominant hand (Hold skin taut, do not bunch), hold the needle an inch from the skin, and insert needle all the way in quickly at a 90 degree angle
- o Inject vaccine using steady pressure, making sure full dose is administered, before withdrawing the needle quickly at the same angle
- o Immediately activate safety device and dispose syringe in a sharps container
- o Have patient apply gentle pressure to the injection site for several seconds with a dry cotton ball, if needed
- o Apply band aid to injection site
- o Perform hand hygiene

#### Documentation:

Document immunization details on patient's record, provide a copy of immunization and 2<sup>nd</sup> dose reminder





# Documentation and Dose Reminders

- Document vaccine administration in their medical record systems within 24 hours
- Report administration data to the relevant system (i.e., immunization information system) for the jurisdiction as soon as practicable and no later than 72 hours after administration
- MUST provide recipient an Immunization Record Card Make every attempt to schedule a recipient's second-dose appointment when they get their first dose
- Second dose must be from the same manufacturer



# Management of Vasovagal Syncope

- Situational syncope is a type of vasovagal syncope which happens only during certain situations that affect the nervous system. Results in temporary loss of consciousness
  - Dehydration, hunger, low blood sugar
  - Intense emotional stress (fear, anxiety)
  - Pain
- Generally recover within a few minutes
- Watch for symptoms that precede fainting (pallor, lightheadedness, nausea, cold, clammy sweat, blurred vision)
- Prevent fall/injury
- Provide supportive care (cold compress, juice/candy, elevate legs)
- Provide wellness resources (peer support, counseling as needed)
- Observe for 15 minutes, patient should be seated or lying down
- Monitor vital signs



# Management of Anaphylaxis in a COVID-19 Vaccination Site

Primary goal: Early recognition of anaphylaxis

If anaphylaxis is suspected, take the following steps:

- Rapidly assess airway, breathing, circulation, and mentation
- Call for emergency medical services/rapid response
- Place the patient in a supine position (face up), with feet elevated, unless upper airway obstruction is present or the patient is vomiting
- Epinephrine (1 mg/ml aqueous solution [1:1000 dilution]) is the first-line treatment for anaphylaxis and should be administered immediately

<u>Interim Considerations: Preparing for the Potential Management of Anaphylaxis at COVID-19 Vaccination Sites</u>



# Recommended meds and supplies for management of anaphylaxis

The following emergency equipment should be immediately available to the clinical team assessing and managing anaphylaxis.

Should be available at all sites	If feasible, include at sites (not required)
Epinephrine prefilled syringe or autoinjector*	Pulse oximeter
H1 antihistamine (e.g., diphenhydramine)†	Oxygen
Blood pressure cuff	Bronchodilator (e.g., albuterol)
Stethoscope	H2 antihistamine (e.g., famotidine, cimetidine)
Timing device to assess pulse	Intravenous fluids
	Intubation kit
	Adult-sized pocket mask with one-way valve (also known as cardiopulmonary resuscitation (CPR) mask)

<sup>\*</sup>COVID-19 vaccination sites should have at least 3 doses of epinephrine on hand at any given time.



<sup>&</sup>lt;sup>†</sup>Antihistamines may be given as adjunctive treatment but should not be used as initial or sole treatment for anaphylaxis. Additionally, caution should be used if oral medications are administered to persons with impending airway obstruction.

# Reporting Vaccine Adverse Events

### HCPs are required to report the following to VAERS:

- Vaccine administration errors
- <u>Serious AEs</u> should be reported even if the cause is uncertain
- Hospitalization or death from COVID-19 disease in a vaccine recipient
- Multisystem Inflammatory Syndrome

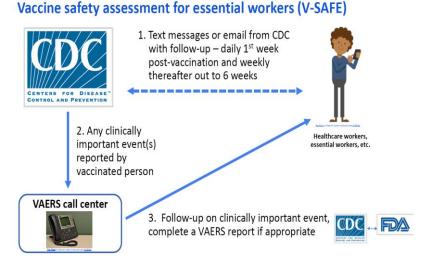
#### There are two ways to file a VAERS report:

- Online <a href="https://vaers.hhs.gov/esub/index.jsp">https://vaers.hhs.gov/esub/index.jsp</a>
- PDF <a href="https://vaers.hhs.gov/uploadFile/index.jsp">https://vaers.hhs.gov/uploadFile/index.jsp</a>



# Reporting Vaccine Adverse Events for Recipients

- If symptoms do not resolve, are severe or getting worse, seek prompt medical evaluation
- Make sure you enroll in CDC's V-safe
  - Recipients sign up voluntarily
  - Available in 5 languages
  - Link provided by vaccine provider
  - V-Safe sign up instructions





# EVERY SAFE AND EFFECTIVE VACCINATION IS A MICTORY



