Mass Immunization Training
COVID-19 Vaccine Storage, Handling & Distribution Plan

For medical staff including mass immunizers, those responsible for managing PODS, fire departments, and emergency managers
Mission

We foster community wellness and advocate for good public policy and best immunization practices.

- Partners like you!
- Over 400 coalition members
- Working together can improve outcomes

whyimmunize.org
Previous Topics

- Selecting a Site
- Staffing Your Clinic
- Vaccine Storage & Handling
- Screening for Contraindications
- Vaccine Administration
- Typical Reactions vs. Adverse Reactions
- Workflows (including drive-thru)
- The Safety of Immunizations
- Creating a COVID-19 Vaccine
COVID-19 Distribution Plan, Storage & Handling

Vaccine Distribution Plan

Vaccine Storage & Handling

Top Mistakes

Q&A
COVID-19 Distribution Plan, Storage & Handling

Vaccine Distribution Plan

Vaccine Storage & Handling

Top Mistakes

Q&A
POLL

What are your NEXT STEPS related to COVID-19 vaccine distribution?
AZ IMMUNIZATION DATA/INVENTORY EXCHANGE

- CDC sends ADHS # of doses for AZ.
- ADHS divides by county population, gives allocation to Counties.
- County allocates doses to providers/partners by tier group or POD.
- ADHS links doses in ASIIS to provider.
- Providers accept doses in ASIIS.
- Doses shipped to location by CDC distributor.
- Doses administered by provider.
- Provider reports patient record to ASIIS and vaccine inventory adjusted.
- Provider bills health plan for admin fee.
- ADHS runs doses administered report sends to county to track allocation.
- ASIIS reports inventory to CDC.

Adult/Specialty EMRs connect to HIE
Hospital EMRs connect to HIE
Pharmacy HIE/ASIIS by middle Interface. ~2,000 connected

Traditional Vaccine Providers: Pediatrics, FQHCs and LHD use data entry & 500 locations EMR exchanges. IHS HL7/data entry
December 2020 – Spring 2021

PHASE 1A
People at risk of exposure to COVID-19 through their work in any role in direct health care or long-term care settings

Vaccinating NOW
- Healthcare Workers & Healthcare Support Occupations
- Emergency Medical Services Workers
- Long-Term Care Facility Staff & Residents

January 2021 – Spring 2021

PHASE 1B
People at risk of exposure to COVID-19 through their work in any role in direct health care or long-term care settings

Vaccinating NOW
- Education & Childcare Workers
- Protective Services Occupations
- Adults 75 and Older
- Essential Services/Critical Industry Workers
- Adults with High-Risk Conditions in Congregate Settings

January 2021 – Spring 2021

PHASE 1C
People at risk of exposure to COVID-19 through their work in any role in direct health care or long-term care settings

Vaccinating NEXT
- Adults 65 and Older – NEW
- Adults of Any Age with High-Risk Medical Conditions
- Adults Living in Congregate Settings

Arizona’s COVID-19 Vaccine Schedule 1/13
ADHS Patient Portal

- Book and Schedule Vaccination Appointment in minutes
- Create Multiple Appointments for your Family Members.
- Keep your Data Confidential on our Secure Servers.

Patient Registration Help 1-844-542-8201
azhealth.gov/findvaccine

Partner Vaccine Clinics

Stadium Clinic

- Over 81,000 appointments booked through 1/31
- More appointment slots are available for Priority Group 1B & will be opening more times for second doses
- Open to all Arizonans
AZ COVID-19 Vaccine Supply

- HHS and CDC will be releasing the entire supply of vaccine to states to be allocated by county population.
- That means they will not hold back 2nd doses.
- Organizations will have to manage 1st dose and 2nd dose appointments with allocations.
- Be sure to order enough to cover 2nd doses.
COVID-19 Vaccine Numbers

- Over 165,000 doses have been reported administered out of 456,000 doses delivered to Arizona (1/12)
- Over 560,000 doses are expected to arrive in Arizona by the end of the week, including both first and second doses
- 180+ Phase 1A-1B sites have received supplies, including county health departments, hospitals, FQHCs, pharmacies, and other key providers
COVID-19 Vaccine Numbers

- CVS, Walgreens, and pharmacy partners are scheduled to provide onsite vaccination clinics at 146 skilled nursing facilities by the end of this week.
- 2,000 are signed up through the CDC pharmacy program.
- ADHS is requesting to activate the CDC Retail Pharmacy Program with 100+ retail pharmacy store partners statewide – This will come out of the AZ allocation.
Doses Administered by County & Current Priority Groups

<table>
<thead>
<tr>
<th>County</th>
<th>Phase Vaccinating</th>
<th>Total Vaccines Administered</th>
<th>Vaccination Rate* (per 100,000)</th>
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<td>868</td>
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<td>Statewide</td>
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Allocation & Prioritization 609,925 Ordered

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<th>Doses Ordered</th>
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<td>*included in Maricopa</td>
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<td>Tribal Entities</td>
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Orders should be fulfilled with expected allocation
Tough Decisions

Santa Cruz:
- 1000+ Health Care workers
- 2000+ Border Patrol & Police
- 3200+ Age 75 and over
- 6,200 Needed in tier 1a & 1b

1900 allocated this week

Will take a while before they will be ready for tier 1c patients
COVID-19 Vaccinators

- Additional statewide sites will be phased in as supplies become available in January-March 2021
- 730+ providers have onboarded with ADHS & are approved to receive vaccine
- Check to make sure your onboarding is complete
Next Steps for Vaccine Allocation

- Continue to partner with county health departments
- Check to make sure your onboarding/training is complete
- Start planning your employee clinics and organizing patient lists by tier group
- Are you ready to bill for the admin fee? Reach out for help jennifert@tapi.org
EUA Handout
Order for your Patients

Button Up!
Order for your team

Understanding the Facts: COVID-19 Vaccine

- SCAN THE CODE OR VISIT whyimmunize.org/covid-19-vaccination-page

Why Immunize.org

I Got My COVID-19 Vaccine!
whyimmunize.org

Facts About COVID-19 Vaccine

1. COVID-19 vaccine will not give you COVID-19.
2. COVID-19 vaccines will not cause you to test positive on COVID-19 viral tests.
3. Getting vaccinated will help provide protection against COVID-19.
4. Pregnant women can get vaccinated to protect themselves and their babies.

Even after vaccination, continue wearing your mask to prevent transmission.
Distribution Q&A
This is MY Shot!
Storage & Handling of the PFIZER COVID-19 Vaccine

Machrina Leach
Pfizer Vaccine

- Multi-dose vial containing 5 doses
- 195 Vials or 975 doses per tray
- Shipped at -80-60 degrees Celsius
  - Store Vaccine
    - Thermal Shipper
    - Ultra-Cold Freezer
    - Refrigerated 2-8 Degrees Celsius for up to 5 Days (120 hours)
    - Room Temperature - No more the 2 hours
- Ancillary Kits
Pfizer Vaccine - Thaw

1. **Plan ahead** by removing the number of multiple dose vials you’ll need from the freezer or thermal shipping container.
2. **Tally** the number of doses needed for the immunization session.
3. **Thaw** vial(s) of Vaccine before use either by:
   
   a. Allowing vial(s) to thaw **in the refrigerator** [2°C to 8°C (35°F to 46°F)]
   
   b. Allowing vial(s) to **sit at room temperature** [up to 25°C (77°F)] for 30 minutes, **for immediate use**.

   *After 2 hours it must be wasted.*
Pfizer Vaccine - Equilibrate and Dilute

1. **Before dilution**, invert vaccine vial gently 10 times. **DO NOT SHAKE.**
2. **Dilute the vaccine** with 1.8 mL of 0.9% Sodium Chloride using a transfer syringe (21-gauge or narrower needle) into the vaccine vial.
   a. You may feel some pressure in the vial as you add the diluent.
1. **Ensure vial pressure is equalized** by withdrawing 1.8 mL of air into the empty diluent syringe before gently invert the diluted vial 10 times to mix. **DO NOT SHAKE.**
2. **Record date and time** of dilution.
Pfizer – Vaccine Schedule

- 2 doses
- Separated by 21 days
- 16 years of age and older
Pfizer – Vaccine Screening

- Do you have a history of severe allergic reaction to any component of the vaccine, specifically Polyethylene glycol or PEG?
  - Yes □ No □
- Do you have a history of severe allergic reaction to another vaccine or injectable medication?
  - Yes □ No □
  - **If yes** recommended to observe for 30 minutes.

- If you have an immunocompromised condition, are pregnant or breastfeeding, have you had the opportunity to discuss the decision to vaccinate with your healthcare provider and/or are you ready to proceed with vaccination?
  - Yes □ No □
  - **If Yes**, proceed with vaccination.
  - **If No**, provide immunosuppression, pregnancy, lactation fact sheet and let them determine if they wish to be immunized.
Pfizer-Vaccine Administration & Observation

• Intermuscular in the Deltoid
• Dosage-0.3 mL
• 1 mL syringe
• 22-25 gauge needle

• Be prepared to manage medical emergencies.
• Vaccination providers should observe patients after vaccination to monitor for the occurrence of immediate adverse reactions:
  • Persons with a history of any anaphylaxis: 30 minutes
  • All other persons: 15 minutes
Pfizer-BioNTech COVID-19 Vaccine Info on CDC Website


**Pfizer-BioNTech COVID-19 Vaccine**

**General Information:**
- Vaccine: Pfizer-BioNTech COVID-19 Vaccine
- Diluent: 0.9% sodium chloride (normal saline, preservative-free)
- Vaccine MUST be mixed with diluent before administration.
- Multidose vial: Up to 6 doses per vial
- Dosage: 0.3 mL

**Age Indications:**
- 16 years of age and older

**Schedule:**
- 2-dose series separated by 21 days
- A series started with COVID-19 vaccine (Pfizer) should be completed with this product.

**Administer:**
- Intramuscular (IM) injection in the deltoid muscle
POLL

Which vaccine did YOU get?
Participant Question:
Do we need to buy a separate refrigerator, or will the equipment be provided as well for storage?
Storage & Handling of the MODERNA COVID-19 Vaccine

Machrina Leach
Moderna Vaccine

- Multi-Dose Vial containing 10 doses
  - Packaged 100 doses/10 vials per box
  - Minimum order – 100 doses

- Stored between -25 and -15 degrees Celsius
  - Can be stored at 2-8 degrees Celsius for up to 30 days

- Ancillary Kits
Moderna Vaccine - Thaw

- Vaccine may be **thawed in the refrigerator or at room temperature**.
  - **Refrigerator**: Between 2°C and 8°C (36°F and 46°F) for 2 hours and 30 minutes
  - **Room temperature**: Between 15°C and 25°C (59°F and 77°F) for 1 hour
- Vials that have **not been punctured** may be kept between 8°C and 25°C (46°F and 77°F) for **up to 12 hours**.
- **Do NOT refreeze thawed vaccine.**
Moderna- Vaccine Preparation and Administration

- Gently Swirl Vaccine. DO NOT SHAKE.
- Withdraw 0.5 ml-vaccine
- Should not be cold to the touch
- Note date and time vial was punctured
  - Must discard after 6 hours
- Intermuscular in the Deltoid
  - 1 mL of 3mL syringe
  - 22-25 gauge needle
Moderna – Vaccine Schedule

- 2 doses
- Separated by 28 days
- 18 year of age and older
Moderna – Vaccine Screening

- Do you have a history of severe allergic reaction to any component of the vaccine, specifically Polyethylene glycol or PEG?
  
  Yes □   No □

- Do you have a history of severe allergic reaction to another vaccine or injectable medication?
  
  Yes □   No □
  
  **If yes** recommended to observe for 30 minutes.

- If you have an immunocompromised condition, are pregnant or breastfeeding, have you had the opportunity to discuss the decision to vaccinate with your healthcare provider and/or are you ready to proceed with vaccination?
  
  Yes □   No □
  
  **If Yes**, proceed with vaccination.
  
  **If No**, provide immunosuppression, pregnancy, lactation fact sheet and let them determine if they wish to be immunized.
Moderna – Vaccine Observation

• Be prepared to manage medical emergencies
• Vaccination providers should observe patients after vaccination to monitor for the occurrence of immediate adverse reactions:
  • Persons with a history of any anaphylaxis: 30 minutes
  • All other persons: 15 minutes
Moderna COVID-19 Vaccine Info on CDC Website

https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/index.html

Moderna COVID-19 Vaccine

General Information:
- Multidose vial: 10 doses per vial
- Dosage: 0.5 mL
- Do NOT mix with a diluent.
- Discard vial when there is not enough vaccine to obtain a complete dose.
- Do NOT combine residual vaccine from multiple vials to obtain a dose.

Age Indications:
18 years of age and older

Schedule:
- 2-dose series separated by 28 days
- A series started with COVID-19 vaccine (Moderna) should be completed with this product.

Administer:
- Intramuscular (IM) injection in the deltoid muscle
Participant Question:

If a patient only received one dose of the vaccine and forgot or didn't come back for the second dose until 3 months later, can we still give the vaccine or do we need to start all over with the dose?
Participant Question:

Is there a grace period for the second dose? What if we accidentally give the second dose early?
Participant Question:

I got my first dose, but then tested positive for COVID-19 a few days later. When should I get my second dose?
Top Mistakes
Immunization Record

- Immunization type
- Lot #
Wait Time

CDC recommends:
• Patients wait **15 minutes** in an observation area
• Patients **with severe allergies** wait **30 minutes** in an observation area
Anticipated Demand

- How to order
- NOT wasting doses
Scheduling

• Clearly instruct patients to book their appointment
• Expect walk-ins
Honest Communication with Patients About Immune Responses

What “side effects”
What to Expect after Getting a COVID-19 Vaccine

COVID-19 vaccine will help protect you from getting COVID-19. You may have some side effects, which are normal signs that your body is building immunity. These side effects may feel like the first few days after getting the COVID-19 vaccine, but they should go away in a few days.

Common side effects

- Throat irritation
- A sore throat
- Headache

Helpful tips

- If you experience any side effects, talk to your doctor about taking over-the-counter medicines, such as aspirin or ibuprofen.
- To reduce discomfort:
  - Drink plenty of fluids.
  - Rest.

When to call the doctor

- If your symptoms do not improve in 2 or 3 days.
- If your symptoms are keeping you from doing your normal activities.
- If your symptoms are severe, such as difficulty breathing.

Remember

- Side effects may last 2 to 3 days after your shot.
- It is not a sign of serious illness. It will be over in a few days.
- Make sure you eat and drink plenty of fluids while you have side effects.

Ask your healthcare provider about getting started with your COVID-19 vaccine

Learn more about vaccines.

www.cdc.gov/vaccines

cdc.gov/coronavirus

HEALTHCARE PROVIDER, PLEASE FILL IN THE INFORMATION BELOW:

If your temperature is ___°F or ___°C or higher, if you have questions, call your healthcare provider.

Tell your healthcare provider about:

Healthcare provider phone number:

Medication (if needed):

Take ___ tablets ___ times a day as needed.
Insurance Status

- Medicare # or SSN
- Uninsured – Driver’s License or SSN
- Private insurance information
Q&A
Recap & Next Steps
POLL
Do you think that you will need another webinar in 4 weeks?
POLL
Do you need webinars specific to EMS and medics, or do you think webinars for a broader healthcare audience would meet your needs?
Thank you.