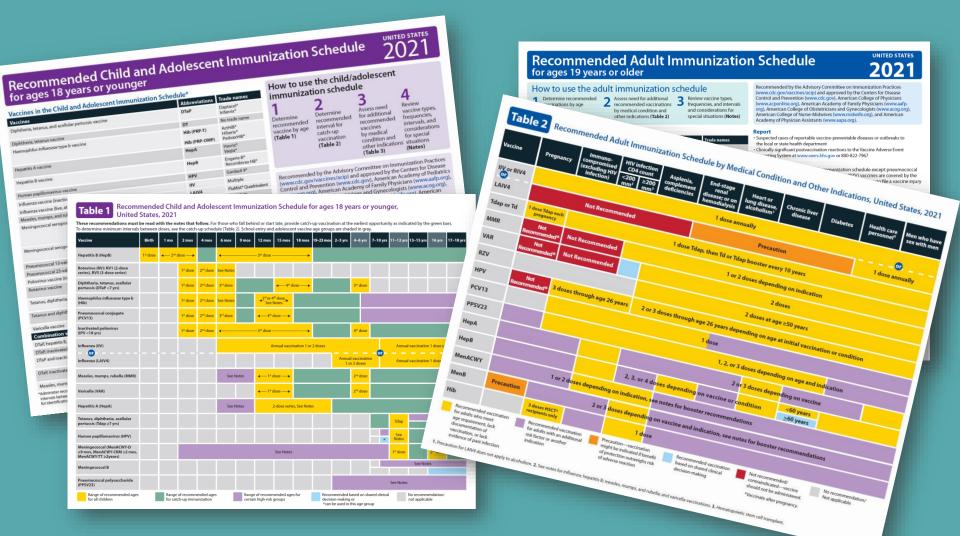


Re-CAP: VACCINE TYPES



- Inactivated vaccines
- Live-attenuated vaccines
- Messenger RNA (mRNA) vaccines
- Subunit, recombinant, polysaccharide and conjugate vaccines
- Toxoid vaccines
- Viral vector vaccines



TIPS & TOOLS



- Have a calendar available in each exam room
 See our TAPI handout!
- Count weeks between shots
- Check the age of the child to assure accurate time for shots

CLOSING THE LOOP

Things we're still uncertain about:

- Meningococcal schedule
- Can I co-administer COVID-19 vaccines with ALL OTHER vaccines?

Other Information we're wondering:

- How do you interpret shot records from other countries?
- Tips on administration for infants and babies –
 Stay Tuned to the next session!



PINK BOOK

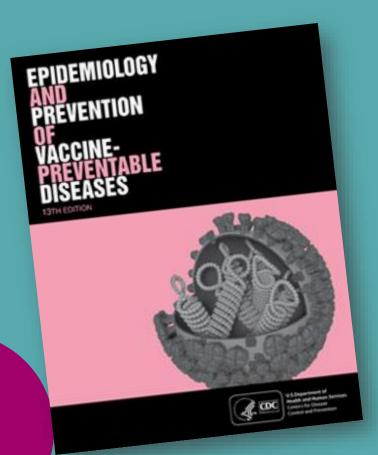


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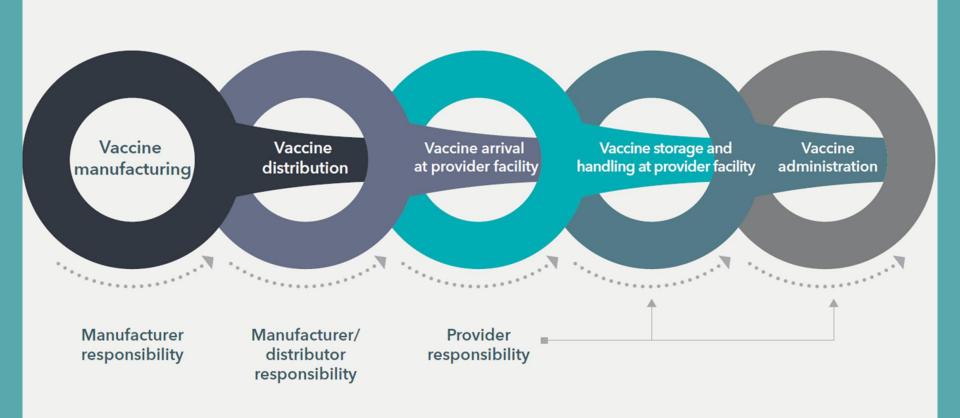








Cold Chain Flowchart

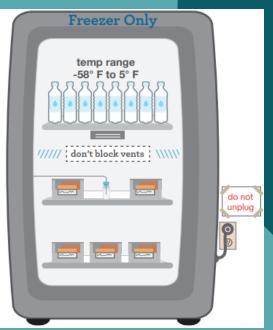




Refrigerator



Freezer



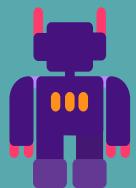
VACCINE STORAGE

AND TEMPERATURE MONITORING EQUIPMENT



COVID-19 VACCINE PFIZER-BIONTECH

- Beyond Use Date/Time: Freezer: Between -25°C and -15°C (-13°F to 5°F) for up to 2 weeks
- Refrigerator: Between 2°C and 8°C (36°F and 46°F) for up to 31 days



COVID-19 VACCINE: MODERNA

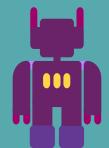
STORAGE

Freezer

- Unpunctured vials may be stored in the freezer between -50°C and -15°C (-58°F and 5°F)
- Store in the original carton
- Protect from light
- Do NOT store with dry ice or below -50°C (-58°F)

Refrigerator

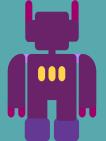
- Unpunctured vials may be stored in the refrigerator between 2° to 8°C (36° to 46°F) for up to 30 days*
- Do NOT refreeze thawed vaccine
- Thawed vaccine can be handled in room light
- Monitor how long the vaccine has been in the refrigerator using CDC's beyond-use date labels
- Remove the box from frozen storage
- Complete the information on the storage label
- Attach it to the box holding the vaccine vials
- Once labeled, place vaccine in the refrigerator
- Punctured vials may be stored between 2°F and 25°C (36°F and 77°F) for up to 12 hours



COVID-19 VACCINE: J&J

Storage:

- Before the vials are punctured, vaccine may be stored in the refrigerator between 2°C and 8°C (36°F and 46°F) until the expiration date
- After puncturing the multidose vial seal, store vaccine in the refrigerator between 2°C and 8°C (36°F and 46°F) for up to 6 hours or at room temperature (up to 25°C/77°F) for 2 hours





EMERGENCY VACCINE STORAGE, HANDLING AND TRANSPORT PREPARATION

HOPE FOR THE BEST...
PLAN FOR THE WORST



IN CASE OF EMERGENCY

Know what to do!

- VFC vaccine
- Non-VFC vaccine
- COVID-19 vaccine
- Keep the door shut!

Data Logger Tips:

- Check twice a day
- Use the same measurement
- Label front of units
- Label next to temp logs









VACCINE STORAGE & HANDLING PLANS AND STANDARD OPERATING PROCEDURES

Arizona Vaccines for Children (VFC) Program



Operations Guide



VFC Vaccine Accountability and Management Plan

Office Name:	Phone:	
Address:		
Facility Pin#:		

By signing this form, I certify on behalf of myself and all immunization staff in this facility as listed on the VFC Provider Agreement and below, that I have read and agree to the Vaccine Accountability & Management Plan items listed and understand I am accountable (and each listed person is individually accountable) for compliance with these requirements.

All signatures from the signing physician, primary and back-up coordinators and the office manager (if the site has one) are required.

Signing Provider signature:	Date:	
Print Name:	I Company	
Signing Provider email:	Signing Provider phone:	
Office Manager signature:	Date:	
Print Name:		
Office Manager email:	Office Manager phone:	
VFC Coordinator signature:	Date:	
Print Name:	•	
VFC Coordinator email:	VFC Coordinator phone:	
VFC Back up Coordinator signature:	Date:	
Print Name:		
VFC Back up Coordinator email:	VFC Back up Coordinator phone:	

Submit a revised Vaccine Accountability and Management Plan to the AIPO (Arizona Immunization Program Office) EVERY TIME facility changes occur (including changes in staff).

Vaccines must be maintained within the manufacturers temperature requirements in order to remain viable to administer to patients. Below list the emergency vaccine storage location that staff will transport vaccine to in the event of a storage unit malfunction, extended power failure, natural disaster or other emergency that might compromise the appropriate vaccine storage. (Module 6).

Emergency storage facility

mergency storage racinty		
Name:	Pin#:	8
Address:		
Phone number:		
Contact at facility:		
Major cross streets:		

Useful Contacts	Name	Phone Number
Electricity company		
Building maintenance		
Building security company		
Storage unit maintenance & repair		



You Call the Shots
CDC Vaccine Storage and Handling Toolkit



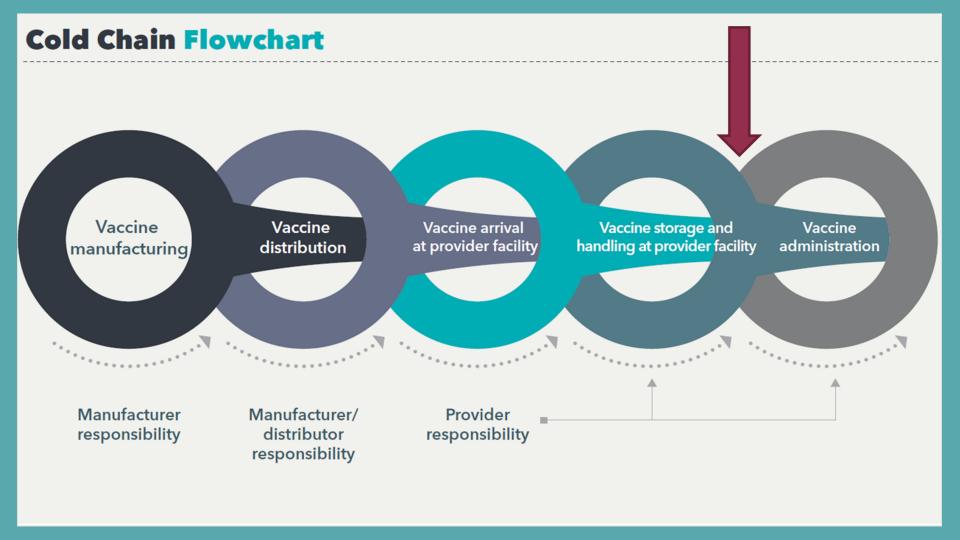


Key TAKE-AWAYS



- Staff Training
- SOPs
- Clearly define roles & duties
 - Primary/ secondary
 - Job action sheet
- Follow SOP to reduce errors & waste:
 - Check temps twice a day
 - Always use same measurement (Celsius or Fahrenheit)
 - When vaccine arrives, unpack immediately
 - Rotate your vaccines
- Emergency Plan





IS THE PATIENT DUE?

Scheduling	Chart Prep	Check-In
Reminder recall	What's due?	Today you will
When patient schedules	Check ASIIS/ compare (and update!)	receive these vaccines
Appointment reminders	(and update:)	





- 1. Is the child sick today?
- 2. Does the child have allergies to medications, food, a vaccine component, or latex?
- 3. Has the child had a serious reaction to a vaccine in the past?
- 4. Has the child had a health problem with lung, heart, kidney or metabolic disease (e.g., diabetes), asthma, or a blood disorder? Is he/she on long-term aspirin therapy?
- 5. If the child to be vaccinated is 2 through 4 years of age, has a healthcare provider told you that the child had wheezing or asthma in the past 12 months?
- 6. If your child is a baby, have you ever been told he or she has had intussusception?
- 7. Has the child, a sibling, or a parent had a seizure; has the child had brain or other nervous system problems?
- 8. Does the child or a family member have cancer, leukemia, HIV/AIDS, or any other immune system problems?
- 9. In the past 3 months, has the child taken medications that affect the immune system such as prednisone, other steroids, or anticancer drugs; drugs for the treatment of rheumatoid arthritis, Crohn's disease, or psoriasis; or had radiation treatments?
- 10. In the past year, has the child received a transfusion of blood or blood products, or been given immune (gamma) globulin or an antiviral drug?
- 11. Is the child/teen pregnant or is there a chance she could become pregnant during the next month?
- 12. Has the child received vaccinations in the past 4 weeks?

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- 2. Does the child have allergies to medications, food, a vaccine component, or latex?
- 3. Has the child had a serious reaction to a vaccine in the past?
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- 11. Is the child/teen pregnant or is there a chance she could become pregnant during the next month?
- 12. Has the child received vaccinations in the past 4 weeks?

Contraindications increases risk of serious adverse reaction

Precautions may increase risk for a serious adverse reaction, cause diagnostic confusion or compromise the ability of vaccine to produce immunity

DO NOT ADMINISTER when contraindication is present

contraindications & Precautions

Three permanent contraindications to vaccines:

- Severe allergic reaction to a vaccine component or following a prior dose
- 2. Encephalopathy (brain swelling) without known cause within seven days of administration of a previous dose of DTP, DTaP or Tdap vaccine
- 3. Severe combined immunodeficiency (rotavirus vaccine)

Two temporary contraindications to *live* vaccines

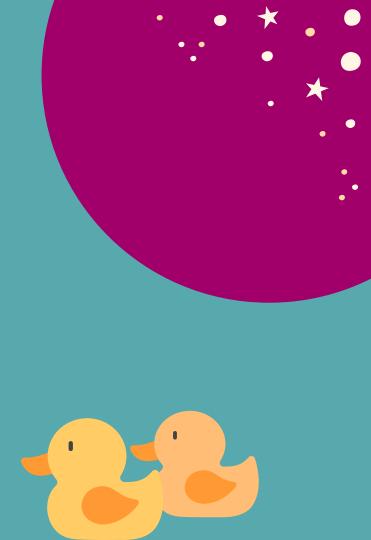
- 1. Pregnancy
- 2. Immunosuppression

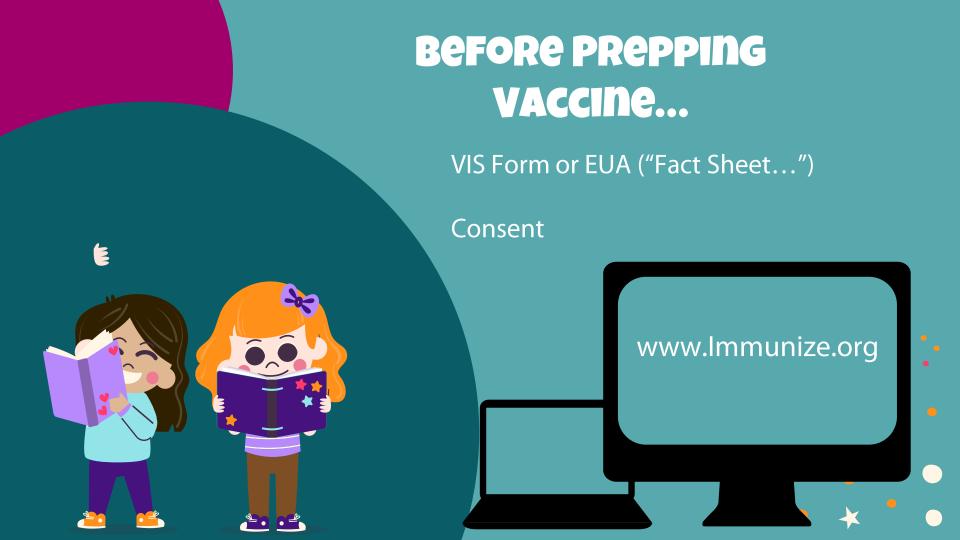


Prevaccination Checklist for COVID-19 Vaccines



For vaccine recipients: The following guestions will help us determine if there is any reason	Name	
you should not get the COVID-19 vaccine today. If you answer "yes"	Age	
to any question, it does not necessarily mean you should not be vaccinated. It just means additional questions may be asked. If a	nge .	
question is not clear, please ask your healthcare provider to explain it.	Yes No kno	
1. Are you feeling sick today?		
2. Have you ever received a dose of COVID-19 vaccine? If yes, which vaccine product did you receive? Pfizer	☐ Another Product	
 Did you bring your vaccination record card or other documentation 	? (yes/no)	
3. Have you ever had an allergic reaction to: (This would include a severe ellergic reaction [e.g., anaphylaxis] that required treatment with to go to the hospital. It would also include an allergic reaction that caused hives, swelling, or re A component of a COVID-19 vaccine, including either of the followir	spiratory distress, including wheezing.)	
 Polyethylene glycol (PEG), which is found in some medications, su preparations for colonoscopy procedures 		
o Polysorbate, which is found in some vaccines, film coated tablets,	and intravenous steroids	
A previous dose of COVID-19 vaccine		
4. Have you ever had an allergic reaction to another vaccine (other than 0 or an injectable medication? (This would include sever elliergic reaction [e.g., anaphylaxis] that required treatment with caused you to go to the hospital. It would also include an allergic reaction that caused hives, including wheezing.)	h epinephrine or EpiPen® or that	
5. Check all that apply to you:		
☐ Am a female between ages 18 and 49 years old		
☐ Am a male between ages 12 and 29 years old		
☐ Have a history of myocarditis or pericarditis		
☐ Had a severe allergic reaction to something other than a vaccine or environmental or oral medication allergies	injectable therapy such as food, pet, venom,	
☐ Had COVID-19 and was treated with monoclonal antibodies or con	valescent serum	
☐ Diagnosed with Multisystem Inflammatory Syndrome (MIS-C or MI	5-A) after a COVID-19 infection	
☐ Have a weakened immune system (i.e., HIV infection, cancer)		
☐ Take immunosuppressive drugs or therapies		
☐ Have a bleeding disorder		
☐ Take a blood thinner		
☐ Have a history of herparin-induced thrombocytopenia (HIT)		
☐ Am currently pregnant or breastfeeding		
☐ Have received dermal fillers		
Form reviewed by	Date	
D7/06/2021 CS321629-E Adapted with appreciation from the Immunit	ration Action Coalition (IAC) screening checklists	1







DURING PROVIDER VISIT

- Propose order <u>or</u>
 Check **standing order**
- Get the vaccine
- Double-check the vaccine
- Wash your hands!
- Prep the vaccine and label it







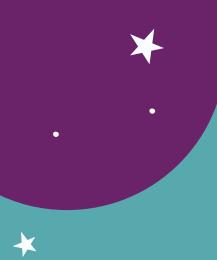
HAND HYGIENE

Wash hands or use alcohol-based hand sanitizer

- Before vaccine preparation
- Between clients

Gloves are not required per OSHA guidelines





SAFETY DEVICES



Never recap used needles



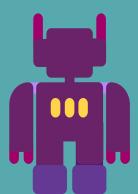






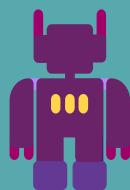
COVID-19 VACCINE: PFIZER-BIONTECH

- **Ages:** 12 years of age and older
- Use for: Any dose in the 2-dose series. COVID-19 vaccines are NOT interchangeable
- Both doses should be COVID-19 vaccine (Pfizer)
- Route: Intramuscular (IM) injection
- Prior to administration, mix with 0.9% sodium chloride (normal saline, preservative-free) diluent ONLY
- Beyond Use Date/Time: Freezer: Between -25°C and -15°C (-13°F to 5°F) for up to 2 weeks
- **Refrigerator:** Between 2°C and 8°C (36°F and 46°F) for up to 31 days
- **Mixed vaccine:** Use within 6 hours of mixing



COVID-19 VACCINE: MODERNA

- Ages: 18 years and up
- Use for: Any dose in the 2-dose series. COVID-19 vaccines are NOT interchangeable
- Both doses should be COVID-19 vaccine (Moderna)
- Route: Intramuscular (IM) injection



COVID-19 VACCINE: MODERNA

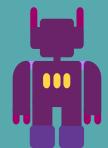
STORAGE

Freezer

- Unpunctured vials may be stored in the freezer between -50°C and -15°C (-58°F and 5°F)
- Store in the original carton
- Protect from light
- Do NOT store with dry ice or below -50°C (-58°F)

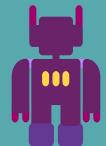
Refrigerator

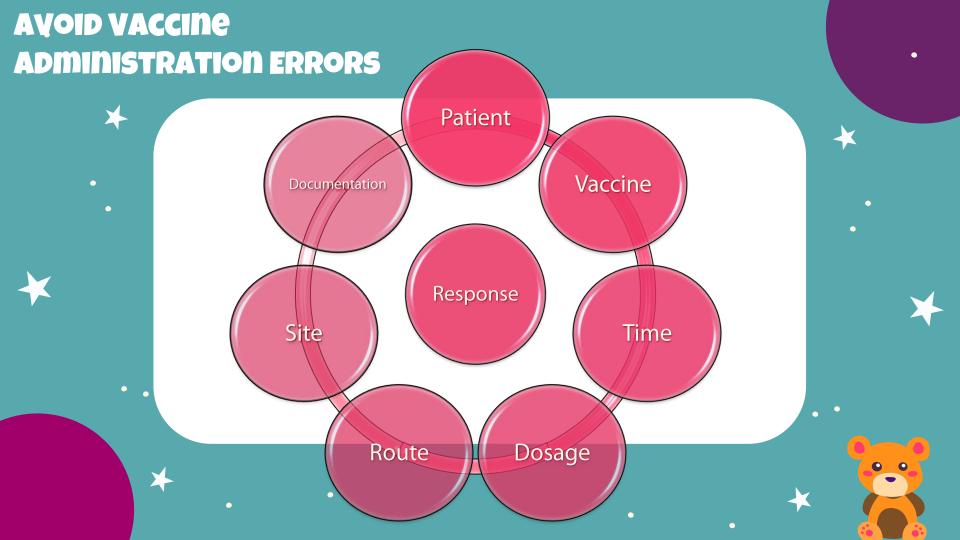
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- Do NOT refreeze thawed vaccine
- Thawed vaccine can be handled in room light
- Monitor how long the vaccine has been in the refrigerator using CDC's beyond-use date labels
- Remove the box from frozen storage
- Complete the information on the storage label
- Attach it to the box holding the vaccine vials
- Once labeled, place vaccine in the refrigerator
- Punctured vials may be stored between 2°F and 25°C (36°F and 77°F) for up to 12 hours



COVID-19 VACCINE: J&J

- Ages: 18 years and up
- **Use for:** Single Dose
- Route: Intramuscular (IM) injection
- Storage:
 - Before the vials are punctured, vaccine may be stored in the refrigerator between 2°C and 8°C (36°F and 46°F) until the expiration date
 - After puncturing the multidose vial seal, store vaccine in the refrigerator between 2°C and 8°C (36°F and 46°F) for up to 6 hours or at room temperature (up to 25°C/77°F) for 2 hours







T.I.P.S. VIRTUAL VACCINE CONVERSATIONS

Training on Immunization Practice Strategies (T.I.P.S.)

TAPI, in collaboration with the Arizona Department of

Health Services Immunization

public and private providers

offices. Participants receive valuable information on

immunization friendly office

practices, vaccine handling,

state requirements, how to give shots and the state

immunization registry.

Program, presents free

trainings that improve immunization practices in

fora FREE PRIZE!





Training on Immunization Practice Strategies (T.I.P.S.) is a series of 5 sessions for medical assistants and vaccine coordinators.

Session #1 - Thursday, June 10th, 12:00-1:00 PM

Why Vaccines are Important: Protecting Herd Immunity

Session #2 - Thursday, June 24th, 12:00-1:00 PM

Vaccine Basics and Understanding the ACIP Schedule

Session #3 - Thursday, July 8th, 12:00-1:00 PM

Protecting the Cold Chain and Preparing for Patients

Session #4 - Thursday, July 22nd, 12:00-1:00 PM

Empowering Patients and Administering Vaccines

Session #5 - Thursday, August 5th, 12:00-1:00 PM

Best Practices for Immunization Delivery in Arizona

*Shown in AZ Time



Register ONCE & you can attend ALL SESSIONS!



For more information, visit <u>www.Whylmmunize.org</u> or call 602.288.7568

