


Centers for Disease Control and Prevention  
National Center for Immunization and Respiratory Diseases



## Mass Clinic: Vaccine Storage and Handling and Vaccine Administration

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October 15, 2020


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### Do Storage and Handling Matter in a Mass Clinic Setting?

- Yes
  - potency and Cold Chain
  - confidence
  - cost (time, products, etc.)
  - transport

### Vaccine Storage and Handling Toolkit

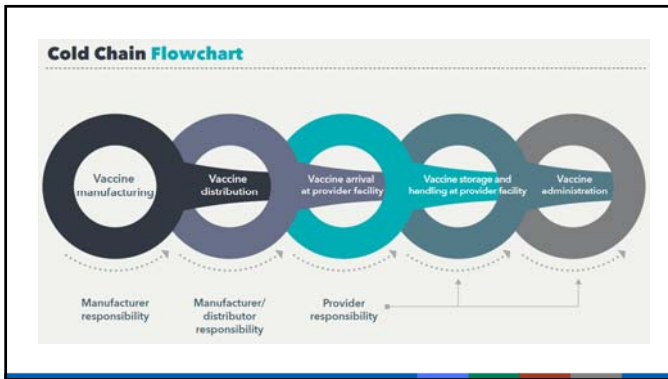
- Primary source for CDC storage and handling recommendations
  - most current recommendations
  - other materials updated based on toolkit contents



<https://www.cdc.gov/vaccines/hca/admin/storage/toolkit/storage-handling-toolkit.pdf>


# 1

## Vaccine Transport and Cold Chain



### Transport Situations

- Off-site or satellite facilities
- Shipping
- Emergency



<https://www.cdc.gov/vaccines/recs/storage/downloads/emergency-transport.pdf>

### Transport Systems

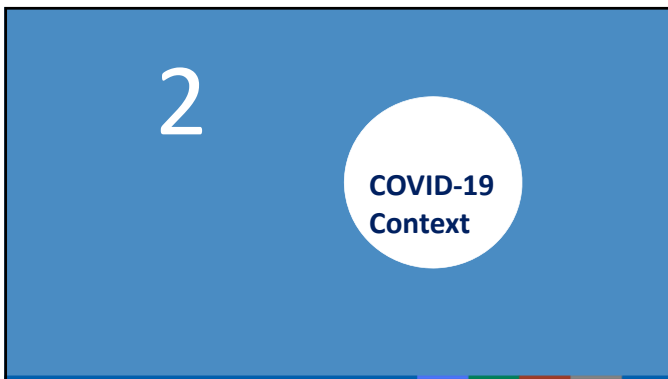
Transport System Recommendations

	Emergency Transport	Transport for Off-Site Clinic, Satellite Facility, or Relocation of Stock
Portable Vaccine Refrigerator or Freezer	Yes	Yes
Qualified Container and Packout	Yes	Yes
Conditioned Water Bottle Transport System*	Yes	No
Manufacturer's Original Shipping Container	Yes (last resort only)	No
Food/Beverage Coolers	No	No

**Qualified container and packout** A type of container and supplies specifically designed for use when packing vaccines for transport. They are passive containers that do not require a power source and are "qualified" through laboratory testing under controlled conditions to ensure they achieve and maintain desired temperatures for a set amount of time.

- ### Transport Planning
- Protocols**
    - identify trained staff
    - vehicles
    - inventory
    - documentation
    - contact emergency vaccine storage facility
    - suspend operations prior to emergency
  - Vehicle considerations**
    - company or personal vehicle
    - use passenger compartment
    - avoid sunlight
    - monitor vaccine temperature
    - move vaccines into storage unit upon arrival

- ### Temperature Monitoring During Transport
- For any type of transport:**
    - use a temperature monitoring device (digital data logger is preferred)
    - place buffered probe with vaccines
    - keep display on top



[https://www.cdc.gov/vaccines/hcp/admin/mass-clinic-activities/index.html?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fflu%2Fprofessionals%2Fvaccination%2Fvax\\_clinic.htm](https://www.cdc.gov/vaccines/hcp/admin/mass-clinic-activities/index.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fflu%2Fprofessionals%2Fvaccination%2Fvax_clinic.htm)

vaccination is provided in a preparedness scenario (i.e., pandemic influenza or COVID-19 vaccination when vaccine is available).

**Guidance during the COVID-19 pandemic:**  
 Planning for a satellite, temporary, or off-site vaccination clinic requires additional considerations during the COVID-19 pandemic, including physical distancing, personal protective equipment (PPE), and enhanced sanitation efforts. These additional considerations are called out in boxes throughout this guidance. However, because COVID-19 guidance is evolving, regularly check [CDC's current guidance for healthcare professionals about coronavirus \(COVID-19\)](#) for updated information. Consider signing up for the email updates on the website to stay informed of any changes.

**Planners are encouraged to use**

- The Checklist of Best Practices for Vaccination Clinics (satellite, temporary, or off-site locations), which outlines CDC guidelines and best practices essential for patient safety and vaccine effectiveness, including guidance for vaccine shipment, transport, storage, handling, preparation, administration, and documentation at temporary clinics.

## Pre-Clinic (Mass Vaccination Clinic)

- Reminder Systems and Strategies
- Patient Education
- Immunization Training
- Vaccine Preventable Diseases

**Related Links**

- Vaccines & Immunizations

**Secure sufficient supplies to meet the needs of staff and the highest anticipated number of patients. Supplies should include:**

- Alcohol-based hand sanitizer with at least 60% alcohol
- Screening and documentation forms and vaccine information statements (VIS) or emergency use authorization (EUA) fact sheets
- Vaccines and diluents (if needed)
- Trip kits
- Sterile alcohol wipes (individually packaged)
- Needles of varying lengths, **if [size] appropriate for the expected patient population**
- Syringes
- **Syringe containers that are closable, puncture resistant, and leakproof**
- Emergency medical kit with epinephrine with signed medical orders
- First aid kit for staff and volunteer use
- Table covers (if applicable) that can be changed if soiled
- Tables and chairs for vaccination stations
- Computers and/or tablets, if using for registration and/or review of vaccination history and documentation of vaccination (if occurring on site), printers (if needed), and 2D barcode readers (if using)
- Internet access or hotspot

Get a list of supplies that may be needed to conduct a satellite, temporary, or off-site vaccination clinic.

<https://www.cdc.gov/vaccines/hcp/admin/mass-clinic-activities/pre-clinic-activities.html>

## CHECKLIST of Best Practices FOR Vaccination Clinics Held at Satellite, Temporary, or Off-Site Locations

This checklist is a step-by-step guide to help clinic coordinators/supervisors overseeing vaccination clinics held at satellite, temporary, or off-site locations follow Centers for Disease Control and Prevention (CDC) guidelines and best practices for vaccine shipment, transport, storage, handling, preparation, administration, and documentation. These CDC guidelines and best practices are essential for patient safety and vaccine effectiveness. This checklist should be used in any non-traditional vaccination clinic settings, such as workplaces, community centers, schools, makeshift clinics in remote areas, and medical facilities when vaccination occurs in the public areas or classrooms. Temporary clinics also include mass vaccination events, walk-through, curbside, and drive-through clinics, and vaccination clinics held during pandemic preparedness exercises. **A clinic coordinator/supervisor at the site should complete, sign, and date this checklist EACH TIME a vaccination clinic is held.** To meet accountability and quality assurance standards, all signed checklists should be kept on file by the company that provided clinic staffing.


This document also contains sections, marked in red, that outline best practices for vaccination during the COVID-19 pandemic. For continued up-to-date guidance, please visit [www.cdc.gov/coronavirus/2019-nCoV/hcp/index.html](https://www.cdc.gov/coronavirus/2019-nCoV/hcp/index.html).

### INSTRUCTIONS

1. A staff member who will be at the vaccination clinic should be designated as the clinic coordinator/supervisor. This person will be responsible for completing the steps below and will be referred to as "you" in these instructions.

## During the Clinic

### Vaccination Process



**During the vaccination process, ensure the following actions are occurring:**

- Screening for eligibility, if vaccination is limited to certain populations
- Screening for contraindications and precautions
- Distribution of VIS(s) or EUA fact sheets prior to vaccine administration
- Signed consent, based on state or local requirements (there is no federal requirement for signed consent)

**Vaccine preparation**

- Vaccine is prepared in a designated area.
- The cold chain is maintained until time for administration.
- Staff is safely handling and disposing of needles and syringes.
- No more than 1 multidose vial is number as indicated by the manufacturer's package insert is drawn up at one time by each vaccinator.

- Patient flow is being monitored to avoid drawing up unnecessary doses.
- Hand hygiene is being performed before vaccine preparation, between patients, and any time hands become soiled; if gloves are worn, they should be changed and hand hygiene should be performed between patients.
- Vaccinators are following manufacturer instructions and federal vaccine administration guidance related to dose, site, and route (see *Epidemiology and Prevention of Vaccine-Preventable Diseases* and CDC Vaccine Administration Resources Library)
- Each vaccination is being documented and patients are receiving documentation for their personal records, including information about scheduling a second vaccination appointment, if needed.

<https://www.cdc.gov/vaccines/hcp/admin/mass-clinic-activities/during-clinic-activities.html>

## Questions?

