

Vaccine Management

Proper vaccine storage and handling practices play an important role in protecting our communities. Vaccine viability is the shared responsibility of everyone involved, from the time vaccine is manufactured until it is administered. When administering away from a monitored storage unit, the vaccine is more likely to experience temperature fluctuations, putting efficacy and safety at risk. Vaccines taken out of the vaccine storage unit for an offsite clinic should always be stored at temperatures between 2°C and 8°C, until ready to draw up doses for administration.

Following recommended guidelines and best practices for packing vaccines during the offsite clinic will help prevent reduced vaccine potency or vaccine failure. For the safe transport and storage of vaccines, proper supplies are essential. Do not transport the vaccine unless all conditions are met.

Frozen vaccines are never allowed at offsite clinics.

Storage Options for Offsite Clinics

To ensure vaccine viability, you must select a suitable storage option for offsite clinics and monitor the temperatures continuously. Suitable storage includes:

Vaccine carriers with phase change panels: The Immunization Program [Vaccine Carrier Borrowing Program](#) is available to any location planning an offsite clinic. If interested in learning more, email AHS.VDHIimmunizationProgram@vermont.gov.

To condition the panels appropriately and assemble the carrier according to the instructions included, planning is required.

Portable vaccine storage units: Portable units are available to purchase. See [List of known portable vaccine units](#) for more information.

Ensure the unit is in working order and plugged in to regulate temperature before packing the vaccine.

Hard-sided or Styrofoam coolers are not suitable storage for offsite clinics

Use the [Packing Vaccines for Transport during Emergencies](#) only when transporting vaccines a short distance, from one monitored unit to another. This process uses frozen water bottles conditioned to appropriate temperatures before packing. **Do NOT use ice packs. Never pack in soft-sided coolers.**

Temperature Monitoring

- Transport vaccine directly from the practice to the offsite clinic location and return any viable unopened vials to the office refrigerator the same day.

- Staff should continually monitor the temperature in the cooler with a [LogTag](#) and record temperatures on the [Hourly Vaccine Temperature Log](#) during the clinic and upon return.
- You may not use an offsite refrigerator unless the Immunization Program has approved it.
- The vaccine may not be left in an approved offsite refrigerator overnight.

Submit the data logger information and hourly temperature log to the Immunization Program only if the vaccine experienced an out-of-range temperature.

Temperature Excursions

If the vaccine experiences an out-of-range temperature, immediately contact the Immunization Program at 1-802-863-7638. Vaccines exposed to temperature excursions must be labeled “**Do Not Use**” until more information is gathered by the Immunization Program.

In a temperature excursion, having a laptop with the appropriate [LogTag software](#) installed and a cradle at the clinic location will help expedite the proper procedure.

Please refer to the [Temperature Excursion Protocol](#) for more information.

Before the Clinic

- ☐ Plan for vaccine needs accordingly. If additional vaccine is needed for a clinic, leave a comment in the VIMS system when ordering so that larger orders are not considered an error and adjusted.
- ☐ Practicing with the cooler is recommended before the clinic date. Practice will help determine how long the cooler can maintain temperature and if the data logger works appropriately.
- ☐ Condition the data logger glycol bottle to the appropriate temperature by placing it in the refrigerator at least one hour before packing.
- ☐ For vaccine carriers, lay the panels flat in the refrigerator at least 24 hours before the clinic day and avoid stacking them. The panels need airflow between them so be sure to accommodate.
- ☐ Only remove vaccine from the monitored unit after it is confirmed that the transport cooler maintains proper temperatures.
- ☐ Complete the top portion of the Hourly Vaccine Temperature Log as soon as the vaccine is placed in the transport cooler.

During the Clinic

- ☐ Monitor the vaccine temperature using the data logger provided by the Immunization Program.
- ☐ Remove vials from the vaccine carrier/cooler only when ready to use.
- ☐ On the Hourly Vaccine Temperature Log, review and document temperatures once every hour during the clinic day.
- ☐ If the temperature is out of range, contact the Immunization Program at 802-863-7638.

After the Clinic

- ☐ Return viable unopened vials to the refrigerator and record the time on the hourly temperature log.
- ☐ Download the LogTag data logger and review the hourly temperature logs to verify that the vaccine cold chain has been maintained.
- ☐ Return the vaccine carrier panels to the refrigerator and lay flat.
- ☐ Keep all the supplies for the vaccine carrier together for future use.
- ☐ Only if there was a temperature excursion, email the data logger download the day after the clinic to AHS.VDHImmunizationProgram@vermont.gov