



Temperature excursions or inappropriate storage conditions for any vaccine require immediate action. Any temperature reading outside the recommended ranges is a temperature excursion. To ensure only viable vaccine is administered, it is vital to follow the below steps.

## Monitor

The use of a digital data logger (DDL) is required for accurate temperature monitoring. The Immunization Program provides [SensoScientific<sup>i</sup>](#), a cloud-based monitoring system for use on permanent storage units, and LogTag, a downloadable system requiring [software<sup>ii</sup>](#) for temporary storage, vaccine transport, and vaccination clinics.

Storage unit temperatures must be continuously monitored with an approved device and recorded at the beginning of each workday to determine if any excursions have happened since the last temperature check.

When running vaccination clinics, continuously monitor coolers and keep an [hourly temperature log<sup>iii</sup>](#).

## Notify

When any out-of-range temperatures are detected, immediately notify all appropriate people within your organization. Do not continue normal operations without notification.

## Document

Label products as “Do Not Use” until the Health Department Immunization Program obtains manufacturer information.

## Contact

Reach out to the Health Department Immunization Program at [AHS.VDHImmunizationProgram@vermont.gov](mailto:AHS.VDHImmunizationProgram@vermont.gov), or 1-802-863-7638 for the next steps and guidance.

## Correct

While waiting for guidance, correct only obvious issues (opened door, left outside unit, etc.) to get the vaccine into the acceptable range.

### **DO NOT:**

- Assume the vaccine is not viable
- Adjust temperatures by adding ice packs or opening the door
- Move the vaccine to another unmonitored unit

## Considerations For COVID-19 Vaccines

	<b>Pfizer-BioNTech</b>	<b>Moderna</b>	<b>Janssen (Johnson &amp; Johnson)</b>
<b>Permanent storage</b>	Between -90°C and -60°C	Between -50°C and -15°C	Between 2°C and 8°C
<b>Before dilution (Pfizer only) or puncture</b>	<p><b>In the refrigerator</b> Between 2°C and 8°C for 1 month (31 days)</p> <p><b>In the freezer</b> Between -25°C and -15°C for 2 weeks</p> <p>Total time in refrigerator and freezer may not exceed 45 days.</p>	<p><b>In the refrigerator</b> Between 2°C and 8°C for 30 days</p>	<p><b>In the refrigerator</b> Between 2°C and 8°C until the listed expiration date.</p>
	<p><b>At room temperature</b> Between 8°C and 25°C Must mix within 2 hours.</p>	<p><b>At room temperature</b> Between 8°C and 25°C for 24 hours.</p>	<p><b>At room temperature</b> Between 9°C and 25°C for 12 hours</p>
<b>After dilution (Pfizer only) or puncture</b>	Between 2°C and 25°C for 6 hours	Between 2°C and 25°C for 12 hours	<p><b>In the refrigerator</b> Between 2°C and 8°C for 6 hours OR <b>at room temperature</b> up to 25°C for 2 hours</p> <p>Once at room temperature the vaccine must be used within 2 hours.</p> <p>Room and refrigerated times may not be combined. Use the vaccine within 6 hours of puncture.</p>

- Never refreeze the COVID-19 vaccine once thawed.
- If a vaccine is warmed inadvertently, always call the Immunization program before assuming an altered beyond use date/time.

<sup>i</sup> [healthvermont.gov/sites/default/files/documents/pdf/ID\\_IZ\\_INFOHCP\\_S%26H\\_Vermont.SensoScientific%20Reference%20Guide.pdf](https://healthvermont.gov/sites/default/files/documents/pdf/ID_IZ_INFOHCP_S%26H_Vermont.SensoScientific%20Reference%20Guide.pdf)

<sup>ii</sup> <https://logtagrecorders.com/software/Ita3/download/>

<sup>iii</sup> [healthvermont.gov/sites/default/files/documents/pdf/ID\\_IZ\\_INFOHCP\\_VCPVAVP\\_Hourly%20Vaccine%20Temperature%20Log.pdf](https://healthvermont.gov/sites/default/files/documents/pdf/ID_IZ_INFOHCP_VCPVAVP_Hourly%20Vaccine%20Temperature%20Log.pdf)