



# VACCINE COLD CHAIN

OptumServe is a leader in vaccine storage and distribution, demonstrating excellence beyond industry standards in our management of vaccine cold chain, a temperature-controlled supply chain process. Proper cold chain management is critical for maintaining the potency of a vaccine from production to administration and saves costs by reducing the amount of compromised product.



**Cutting-edge technology**

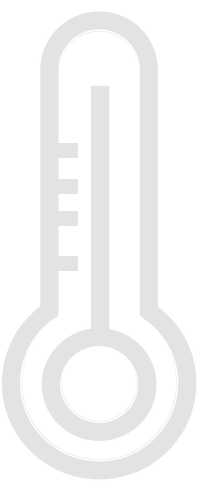
**10+**

**Years of experience**



**Integrated management systems**

## VACCINE PROCUREMENT AND MAINTENANCE



**Maintains routine and theater-specific immunization vaccines**

**Vaccine in storage is closely monitored by digital temperature recorders**

- Record temperatures continuously
- Allow for tracking and trending of temperature and time data
- Telephony system-based notification system when critical values are met or exceeded

In the case of power interruption, generators automatically start and **POWER THE FACILITY TO ENSURE TEMPERATURES ARE MAINTAINED.**



- ▶ Vigorous check-in and inventory ensures vaccines are tracked and monitored at all times.
- ▶ Vaccine lot numbers and expiration dates are entered and validated upon entry into OptumServe system and information is automatically communicated for use in the cold chain process.

## VACCINE SHIPMENT

- ▶ **Vaccine cold chain shipping protocols are extremely stringent to comply with Centers for Disease Control and Prevention (CDC) and Defense Health Agency - Immunization Health Branch (DHA-IHB).**



Each vaccine request is reviewed by trained vaccine staff after being packed to confirm proper vaccine and lot numbers are sent.



Shipping container technology is specifically engineered to meet CDC and DHA-IHB cold chain requirements for refrigerated and frozen vaccines.



Vaccine shipping containers are not packed until confirmation with receiving provider. **Providers call OptumServe prior to opening vaccine shipments to verify:**

- Vaccine quantities
- Shipment temperatures
- How the received vaccine will be stored and handled

- ▶ Vaccine is prioritized for shipment by earliest expiration date.
- ▶ Temp Tales, a monitor used to record the temperature validates vaccine temperature during shipping process.



**DATA VALIDATION**

OptumServe is able to upload and transfer vaccine information into preferred systems and databases, reducing the risk of transcription errors.

## DRUG DISTRIBUTOR ACCREDITATION

**Verifies and maintains security measures** within the facility and performs background checks and screenings of all persons involved in the medication/vaccine distribution process



**As an accredited drug distributor, OptumServe:**

- ▶ Verifies and maintains compliance with state and federal laws and the National Association of Boards of Pharmacy (NABP) criteria and completes a rigorous inspection every three years by NABP
- ▶ Receives supply of medication/vaccine from other accredited drug distributors or government entities



Department of Defense has granted OptumServe the **authorization to store government-owned vaccines.**<sup>1</sup>



### About OptumServe

OptumServe is the federal health services business of Optum and UnitedHealth Group (NYSE: UNH). We are proud to partner with the Departments of Defense, Health and Human Services, Veterans Affairs and other organizations to help modernize the U.S. health system and improve the health and well-being of those we collectively serve.

**Learn more about OptumServe:**

**Call: 1-800-765-6092**

**Email: [innovate@optum.com](mailto:innovate@optum.com)**

**Visit: [optumserve.com](http://optumserve.com)**

1. OptumServe has received this authorization through its subsidiary, Logistics Health, Inc.