

THE PROBLEM

For a statewide health system, maintaining the integrity of critical pharmaceuticals during transfer, valued at \$500,000 per shipment, was a constant challenge. Cold chain failures accounted for up to 5% in product loss, a margin of error that was both financially unsustainable and a direct risk to patient care. Unpredictable weather and carrier delays created a volatile environment where even minor disruptions led to product loss. The health system required a reliable, scalable solution to eliminate the variability that threatened both financial stability and therapy continuity.

THE ACTION

To guarantee the safe transfer of their pharmacy deliveries, the health system leverages **AeroSafe Global's Cold Chain on Demand™** service. This shifted the logistical burden away from busy pharmacists and staff, allowing AeroSafe Global to take over the complex administrative and logistical management of these high-stakes transfers.

Key components of the solution included:

- **AI-Enabled Risk Mitigation:** To prevent transit disruptions from becoming pharmacy crises, predictive analytics to identify potential disruptions in real-time. By leveraging these AI-driven insights, AeroSafe Global can preemptively resolve logistical errors before they impact product integrity.
- **Optimized Logistics Performance:** Rather than managing disruptions as isolated incidents, the service analyzes lane data and identifies potential failure points to proactively implement corrective actions and eliminate recurring delivery issues.
- **Advanced Thermal Protection:** High-performance packaging, validated to maintain refrigerated temperatures for over 90 hours, ensures shipments withstand unexpected delivery and carrier delays.
- **Streamlined Pharmacy Operational Workflow:** To maximize internal labor efficiency and eliminate manual assembly, pre-conditioned solutions arrive ready for use, complete with pre-addressed shipping labels. This removes time-consuming preparation steps from the pharmacy, increasing overall operational throughput.

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Cold Chain Excursions

90+hr

Validated Temperature Integrity

100%

Therapy Continuity

THE IMPACT

By proactively implementing Cold Chain on Demand™, the health system eliminated the logistical risks that typically lead to pharmaceutical loss. This transformation provided the infrastructure necessary to maintain both operational excellence and product reliability.

Operational Resilience & Risk Elimination

- **Assured Therapy Continuity:** Achieved a 100% success rate for shipment integrity, ensuring patients received viable, life-saving medication without delay or compromise.
- **Enhanced Site Confidence:** Real-time status updates and clear guidance provided site personnel with full visibility into the delivery process, removing the uncertainty previously associated with high-stakes transfers.

Financial Stewardship & Therapy Protection

- **Elimination of Medication Spoilage:** By utilizing advanced thermal technology and AI-driven visibility, the service removed the risk of loss during high-pressure transfers, even when facing extreme weather or carrier delays.
- **Financial Risk Mitigation:** Successfully protected over \$500,000 in medication per shipment, maintaining both therapeutic integrity and the health system's financial stability.

"We recently ran into a very high-pressure situation involving packages worth over half a million dollars. The stakes were high, and the challenges just kept coming. The AeroSafe Global team stepped in and absolutely owned it. They were relentless in tracking the critical packages, kept us looped in at every turn, and made sure nothing fell through the cracks. Their attention to detail, calm under pressure, and commitment to getting it done is truly impressive."

Pharmacy Leadership, Statewide Health System

About AeroSafe Global

AeroSafe Global stands at the forefront of the industry, providing tech-driven solutions that simplify the intersection of complex logistics and pharmaceutical distribution. Through its proprietary "Cold Chain as a Service" (CCaaS) model, AeroSafe Global provides a seamless, end-to-end ecosystem that ensures the safe delivery of temperature-sensitive therapies to patients and providers worldwide. Trusted by more than 200 healthcare systems and pharmacies, AeroSafe Global's Cold Chain on Demand™ service guarantees safety, simplifies operations, and protects the most critical shipments.

 For more information, visit [AeroSafe Global/ColdChainOnDemand](https://aerosafeglobal.com/ColdChainOnDemand)