

# Supply Chain Emergency Preparedness Framework

A supply chain emergency preparedness framework ensures the efficient distribution of essential medical supplies, including vaccines (such as COVID-19) and medications (including therapeutics to treat COVID-19), during emergencies. It involves maintaining accurate inventory records, coordinating with manufacturers and healthcare providers and establishing a robust distribution network. Preparedness strategies include risk assessment, stockpiling and regular training.

Response mechanisms focus on clear activation protocols, reliable communication systems and continuous monitoring. Addressing challenges such as supply chain disruptions and resource allocation as part of the emergency preparedness framework ensures regulatory compliance and prioritizes resources based on urgency and severity.

This crosswalk emphasizes key areas for effective emergency supply chain preparedness and response. Each section provides comprehensive descriptions and practical tools to assist you in designing the necessary preparations for your facility.



## Framework Sections



### Governance



### Workforce



### System Design & Policies



### Individuals, Caregivers & Communities



### Process



### Additional Emergency Preparedness Resources

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## Governance

### Process Idea:

Emergency preparedness requirements for Medicare and Medicaid participating providers and suppliers (CMS EP Rule)

State Operations Manual – Appendix PP  
Guidance to Surveyors for LTC facilities

State Operations Manual – Appendix Z  
Emergency Preparedness

1135 waivers allow the Secretary of Health and Human Services to temporarily modify or waive certain Medicare, Medicaid and CHIP requirements during emergencies

Assess capacity to deliver an evidence-based emergency preparedness program annually with Getting To Outcomes (GTO), a user-friendly process for comprehensive planning, implementation guidance and evaluation of programs and community initiatives

### Resources/Tools:

- [Long Term Care Requirements - CMS Final Rule](#)
- [CMS EP Rule | ASPR TRACIE](#)

- [State Operations Manual - Appendix PP](#)

- [State Operations Manual - Appendix Z](#)

- [1135 Waivers | CMS](#)

- [Introduction: Getting to Outcomes® | RAND](#)

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## System Design & Policies

### Process Idea:

FEMA's Comprehensive Preparedness Guide provides guidance on the fundamentals of planning and developing emergency operations plans. Facilities can use it to develop the steps to produce an emergency operation plan, which should be reviewed annually and as needed.

The National Mitigation Framework establishes a common platform and forum for coordinating and addressing how the nation manages risk through mitigation capabilities. This framework describes mitigation roles across the whole community. A facility can assess how it fits into the community and what risks it would need to manage.

The Kaiser Permanente Hazard Vulnerability Analysis (HVA) Tool takes a systematic approach to help healthcare facilities identify and prioritize potential hazards that could impact their operations. This tool assists in planning, mitigation, response and recovery activities by analyzing risks associated with various hazards.

ASPR Tracie Supply Chain Assessment Tool

APIC Toolkit for Rural and Isolated Settings

Comprehensive resources for emergency preparedness planning

DASH (Disaster Available Supplies in Hospitals) is an interactive tool that can help emergency planners and supply chain staff estimate supplies that may be needed during an emergency.

### Resources/Tools:

- [Developing and Maintaining Emergency Operations Plans Comprehensive Preparedness Guide](#)
- [National Mitigation Framework, Second Edition](#)
- [Kaiser Permanente Hazard Vulnerability Analysis | ASPR TRACIE](#)
- [Partnering with the Healthcare Supply Chain during Disasters](#)
- [APIC Toolkit for Rural and Isolated Settings | APIC](#)
- [Make A Plan | Ready.gov](#)
- [DASH Tool](#)

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## Process

### Process Idea:

Vaccine Storage and Handling Toolkit

ASPR TRACIE's resource page was designed to help stakeholders prepare for and manage medical product shortages and the allocation of scarce resources.

Infection Control Assessment and Response (ICAR) Tool with instructions

The CDC's PPE Burn Rate Calculator can help facilities manage their current supply of inventory, which is especially helpful in the event of an emergency when additional PPE is likely needed.

Conserving Supplies of Personal Protective Equipment in Healthcare Facilities during Shortages (NIOSH)

### Resources/Tools:

- [Vaccine Storage and Handling Toolkit | CDC](#)
- [Medical Product Shortages and Scarce Resources | ASPR TRACIE](#)
- [Infection Control Assessment and Response \(ICAR\) Tool for General Infection Prevention and Control \(IPC\) Across Settings | CDC](#)
- [Personal Protective Equipment Burn Rate Calculator | CDC](#)
- [Conserving Supplies of Personal Protective Equipment in Healthcare Facilities during Shortages | CDC](#)

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## Workforce

### Process Idea:

TeamSTEPPS is an evidence-based set of teamwork tools aimed at optimizing patient outcomes by improving communication and teamwork skills among healthcare teams, including patients and family caregivers.

### Resources/Tools:

- [TeamSTEPPS 3.0 | Agency for Healthcare Research and Quality](#)

Emergency Preparedness Training and Exercise Guide for Nursing Homes

- [Table Top Exercise Overview](#)

Emergency Management Guide for Nursing Homes

- [Emergency Management Guide for Nursing Homes | CMS](#)

Disaster Preparedness Plan Template for use in Long Term Care Facilities

- [Disaster Preparedness Plan Template for use in Long Term Care Facilities | ASPR TRACIE](#)

ASPR TRACIE Resources for Long Term Care

- [Long-term Care Facilities | ASPR TRACIE](#)

Joint Commission staff training

- [Emergency Preparedness for Nursing Homes PowerPoint Presentation](#)

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## Individuals, Caregivers & Communities

### Process Idea:

The CDC Health Department Directories search tool identifies dedicated professionals safeguarding public health in local communities

ASPR Health Care Readiness Programs Portfolio engages health care stakeholders across all 50 states, U.S. territories and freely-associated states, major metropolitan areas and Washington, D.C. to strengthen the nation's emergency preparedness, response and recovery capabilities; the site includes health care coalition contacts

This section of FEMA's website explains that emergency preparedness is a shared community responsibility; it calls for the involvement of everyone — not just the government

Drug supply-drug wholesalers – Amerisource Bergen, Cardinal Health, McKesson Corporation

Vaccine manufacturer contact and product information

Package inserts, product approvals and other supporting documents for vaccines

### Resources/Tools:

- [Health Department Directories | Public Health Gateway | CDC](#)
- [ASPR Health Care Readiness Near You](#)
- [Whole Community | FEMA](#)
- [AmerisourceBergen](#)
- [Emergency Drug Response Program | Cardinal Health](#)
- [Public Policy Recommendations for Emergency Preparedness | McKesson](#)
- [Vaccine Manufacturers | Immunize.org](#)
- [FDA package Inserts | Immunize.org](#)

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## Additional Emergency Preparedness Resources

- [Emergency Preparedness Courses \(10 learning modules\) | HQI Academy](#)
- [Emergency Preparedness Tabletop Exercises](#)
- [Hazard Vulnerability Assessment Checklist](#)
- [Emergency Preparedness Self-Assessment Flyer](#)
- [Emergency Preparedness Planning Simple Strategies](#)
- [Meds Matter! Emergency Preparedness Video](#)
- [The Long-Term Care Infection Preventionist's Survival Guide](#)
- [Action Plan Templates](#)
- [After Action Report Improvement Plan Template](#)
- [Facility Assessment: More Than a Regulatory Requirement](#)
- [Sample Public Health Emergency Preparedness Plan](#)