

# Strategic National Stockpile: Overview



Division of Strategic National Stockpile  
Coordinating Office for Terrorism Preparedness and Emergency Response  
Centers for Disease Control and Prevention

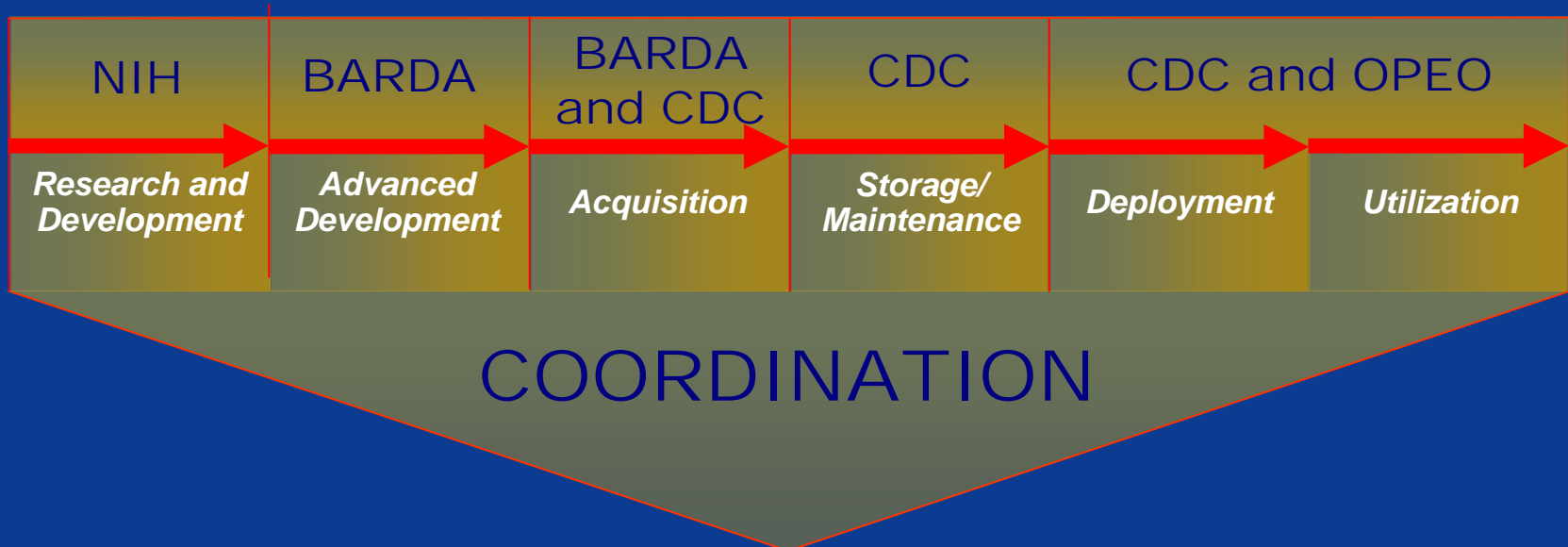


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# Public Health Emergency Medical Countermeasures Enterprise (PHEMCE)



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# Strategic National Stockpile Mission:

*Deliver critical medical assets to the site of a national emergency*

- Work within the HHS PHEMCE requirements process to assure we have the most appropriate countermeasures
- Create pathways to move the materiel to the area of need in the timeframe that is clinically relevant
- As medical response is local, assure integration with local planning
- Provide technical assistance to assure that state/local partners who receive SNS assets are ready to effectively use them
- Maintain materiel in a manner that assures viability



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# Background

- Program created in 1999
- \$3.5 Billion portfolio of antibiotics, medical supplies, antidotes, antitoxins, antiviral, vaccines and other pharmaceuticals
- Network of strategically located repositories
- Commercial partnerships for storage, maintenance, and rapid transport
- Federal Partnerships for purchasing and security



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# Background (cont.)

- Evolving formulary
- Supplements and re-supplies state and local medical materiel response
- Provides extensive training and technical assistance to local officials
- Integrated into broader national Public Health preparedness effort



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# Emergency Response Concept

- Provide threat-appropriate delivery mechanism
- Provide rapid delivery of a **broad spectrum** of support for an ill-defined threat in the early hours of an event
- Provide **specific materiel** when a threat is known
- Provide **technical assistance** to receive and effectively distribute SNS materiel



Technical Advisory Response Unit



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# Operational Approach

- Forward placed caches
- 12-hour Push Package
- Vaccines, anti-virals, and other SNS managed inventory
- Vendor Managed Inventory
- Direct order prime vendor contracts



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# Forward Placed Caches: CHEMPACK

- Nationwide “joint venture” program
- Forward placement of nerve agent antidotes
- Integrated into local Hazardous Material response
- Containerized storage
- Uniform Formulary
- Two configurations



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# DTPA Forward Placement Project

- Joint RSB/DSNS program to protect major US cities
- Integrated into local RDD response
- Local storage and control
- Calcium & Zinc DTPA
- Permits rapid chelation of internal contamination with plutonium, americium, or curium



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# 12-hour Push Packages



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# Broad Spectrum Support: 12-hour Push Packages

- Pre-packed and configured materiel in transport-ready containers
- Pre-positioned in secure facilities near major transportation hubs
- Delivered rapidly by our world class transport partners
- Color coded and numbered containers for rapid identification by state and local authorities



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# Managed Inventory

- Stockpile Managed Inventory
  - Civil service model versus 3PL
- Vendor Managed Inventory
  - Supply “Bubbles”
  - “Virtual Stockpiles”



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# Federal Medical Stations (FMS)

- Modular deployable medical surge support caches
- 250 Beds per “station”
- Medical supplies, pharmaceuticals and equipment for 3 days
- Designed for non-acute care
- Configured for rapid movement



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# Distribution and Dispensing



- Provide on-going technical assistance to state and local public health organizations to help them develop capacity for countermeasure distribution
  - ◆ Public Health Emergency Preparedness Program
  - ◆ Cities Readiness Initiative
  - ◆ Med-Kit Project
  - ◆ Private Sector Engagement
  - ◆ POD Drills and Exercises
  - ◆ Satellite Broadcasts



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# April 2009 H1N1 Response Highlights/Statistics

- 363 trucks
- 18 aircraft
- 31 people per shift with two, 12-hour shifts
- \$265 million
- 60 pallets per hour



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# What We Learned From H1N1 Response

- Relationships with federal, state and local partners contributed to the success.
- The investment in public health was worth every penny.
- The deployment of pandemic influenza countermeasures is no longer hypothetical...We can do it and in the seven-day goal.
- Preparedness (through planning, organization, training and exercise) conditioned us as to what to expect.



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# Challenges

- An ever growing percentage of the SNS budget is consumed storing, maintaining and replacing the countermeasure inventory.
- Lifecycle costs are a significant part of any acquisition.
- Countermeasures are of no value if they cannot be dispensed in an appropriate timeframe.
  - ◆ Measurement of this capability is an ongoing challenge
- Meeting the needs of children is critically important



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