CDC Strategic National Stockpile Roles and Responsibilities

Vaccines and Diagnostics for Transboundary Animal Diseases Workshop

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SNS Mission:
Prepare and support partners and provide the right materiel at the right time to secure the nation’s health.

- Works within the HHS PHEMCE requirements process to assure we have the most appropriate countermeasures
- Creates pathways to move the materiel to the area of need in the timeframe that is clinically relevant
SNS Mission:
Prepare and support partners and provide the right materiel at the right time to secure the nation’s health.

- As initial US medical response is local, assures integration with local planning
- Support ongoing 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
Background

- Program created in 1999
- $5 billion portfolio of antibiotics, medical supplies, antidotes, antitoxins, antiviral, vaccines and other pharmaceuticals
- Network of strategically located repositories
Background

- Federal partnerships for purchasing and security
- Commercial partnerships for storage, maintenance, and rapid transport
Rationale for Stockpiling Material

- Stockpiled material is normally held for one or more of the following reasons:
  - A product required is not commercially viable and thus is not commercially available.
  - The US pharmaceutical supply chain runs under a just in time model, consequently a commercial product:
    - May not be available in projected quantities required.
    - May be available but cannot reach affected populations in adequate timeframes and/or in adequate quantities
  - Commercial supply chain not optimized to dispense to the population at the level required (time or volume)
Formulary Priorities

Bio Terrorism

- Biological - Smallpox, anthrax, botulism, viral hemorrhagic fevers, plague & tularemia
- Chemical – Nerve Agent
- Radiological /Nuclear

Non Bio Terrorism

- Pandemic Influenza
Phased 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
Forward Placed Caches: CHEMPACK

- Nationwide “joint venture” program
- Forward placement of nerve agent antidotes
- Integrated into local Hazardous Material response
- Containerized storage
- Remote monitoring
- Uniform Formulary
- Two configurations
>1,900 CHEMPACK containers in >1,300 cache sites

>90% of US Population within a 1 hour response
Broad Spectrum Support: 12-hour Push Packages

- Pre-packed and configured materiel assembled in transport-ready containers (50 tons)
- Pre-positioned in secure facilities near major transportation hubs
- Delivered rapidly by commercial transport partners
- Color coded and numbered containers for rapid identification by state and local authorities
Managed Inventory

- Comprises bulk of SNS assets
- Stockpile Managed Inventory
- Commercial 3rd Party Logistics model
Example of SNS Held Influenza Materiel

- Antivirals (oseltamivir & zanamivir)
- N95 Respirators
- Surgical Masks
- Other PPE
  - Gloves
  - Gowns
  - Face shields
- IV antibiotics: Vancomycin, Levaquin
- Ventilators and ancillaries
- Syringes/Needles for H5N1 Pre-Pandemic Vaccine
Technical Assistance for Countermeasure Dispensing

Pre Event

- Version 10.02: Receiving, Distributing and Dispensing Strategic National Stockpile Assets
- Cities Readiness Initiative (CRI)
- Technical assistance funded by CDC’s Public Health Emergency Preparedness cooperative agreement
- State and local exercise support and evaluations
- Classroom instruction
- Satellite Educational Broadcasts

Post Event

- DSNS Deployable Teams (SSAG, RSS Task Force, FMS Strike Team)
Collaboration with USDA’s National Veterinary Stockpile

- **HSPD-9, Jan 2004** – leverage mechanisms and infrastructure
- **Initial concept of operations and contract staffing for NVS supported by SNS.**
- **Ongoing collaboration between Senior Staff SNS/NVS**
  - Advisory Committee Participation
  - Sharing educational/technical assistance materials
  - Sharing of best practices and lessons learned
  - Potential for State/local use of SNS inventory management tool for veterinary response scenarios
- **Limitations**
  - Appropriations
  - Mission disparities
Questions?
www.cdc.gov/phpr/stockpile/stockpile.htm

For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.