

# Federal Medical Resource Support for a Natural Disaster:

## Federal Medical Station and Strategic National Stockpile

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Division of Strategic National Stockpile

# Overview

- ❑ **Strategic National Stockpile (SNS) resource support**
- ❑ **Federal Medical Station (FMS) program concept**
- ❑ **Notional deployment sequence**
- ❑ **FMSresupply**

# The Strategic National Stockpile Mission

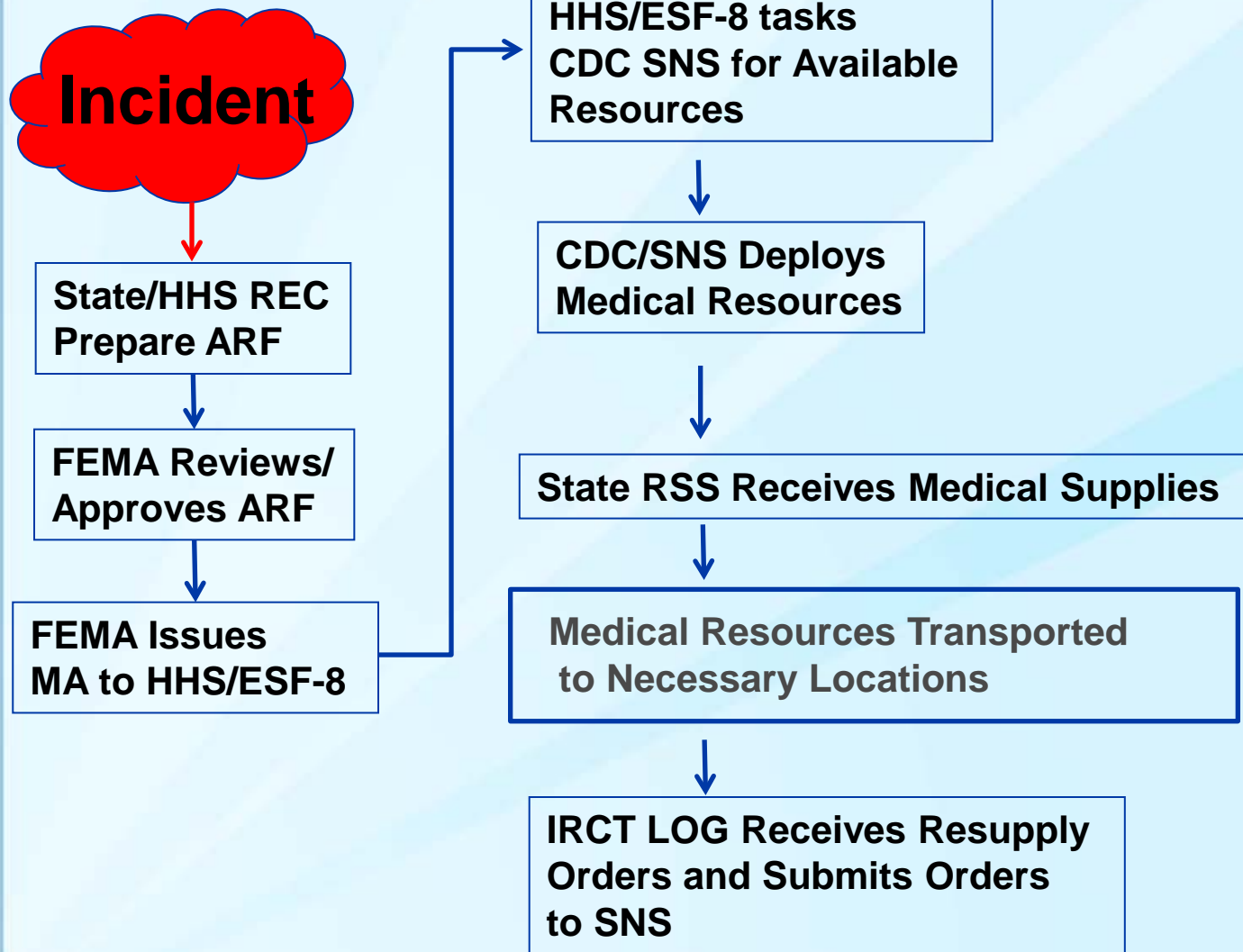
Prepare and support partners and provide the right resources at the right time to secure the nation's health



# History of DSNS

- ❑ 1999, Congress charged the Department of Health and Human Services (HHS) and CDC with the establishment of the National Pharmaceutical Stockpile (NPS).
- ❑ 2003, NPS became the Strategic National Stockpile (SNS)
- ❑ Domestic and International DSNS Support
  - 2002 Utah: Winter Olympic games
  - 2004 Georgia: G8 Conference
  - 2005 Presidential Inauguration
  - 2005 Hurricane Katrina & Rita
  - 2006 Michigan: Super Bowl XL
  - 2007 Hurricane Dean
  - 2008 Hurricane Gustav, Hanna & Ike
  - 2008 Republican and Democratic Conventions
  - 2009 Presidential Inauguration
  - 2009 H1N1 Response
  - 2009 & 10 North Dakota Floods
  - 2010 Haiti Support
  - 2011 Japan Tsunami

# Notional SNS Resource Deployment to Support a Natural Disaster



# Key SNS Products to Help Natural Disaster Victims

## ❑ Antibiotics

- Broad Spectrum
- 12 Hour Push Package /Managed Inventory

## ❑ Wound Care

- Bandages/Gauze,
- Laceration Repair Kits
  - Sutures, Skin Staplers
  - Antibiotic Ointments and Burn Creams
  - Lidocaine with and without epinephrine

# Key SNS Products to Help Natural Disaster Victims

## ❑ Fluids/Electrolyte Replacement

- Lactated Ringers
- Normal Saline
- Dextrose Solution
- Potassium Chloride

## ❑ Pain/Sedation Medications

- Oxycodone/Acetaminophen
- Morphine
- Midazolam

# Key SNS Products to Help Natural Disaster Victims

## □ Respiratory Support

- Ventilators
- Manual Pulmonary Resuscitators
- Albuterol Solutions and Nebulizers
- Oxygen Nasal Cannulas and Non-Rebreather Masks
- CO<sub>2</sub> Detectors
- Endotracheal Tubes and Stylettes
- Laryngoscopes
- Aspirators
- Suction Canisters, Suction Catheters
- Nasogastric Tubes



## Acquiring Items From Private Vendors

- ❑ In cases where CDC does not stock an item, the SNS will procure and have product delivered. These items may include vaccines or antitoxins, or other medical supplies needed to support a particular event.
- ❑ Possible issues:
  - Possibly longer response time
  - Order tracking more complex
  - Subject to market availability

# FMS Program

- **Assistant Secretary for Preparedness and Response: Program Management & Policy**
  - Strategic program direction, program guidance, set objectives
  - Lead concept-of-operations development
  - Integrate FMS partners into coherent response capability
  - Review and approve formulary
  - Incident response coordination team (IRCT)
  
- **Division of Strategic National Stockpile: Life Cycle and Response Management**
  - Materiel management: acquisition, storage, configuration for deployment, life cycle management
  - Response: materiel deployment, facilitate FMS set-up, transfer FMS to approved authority and facilitate resupply if needed
  - Recommend formulary changes as required

## **FMS Mission**

**Provide a modular, scalable (in size), and rapidly deployable medical capability to shelter and care for displaced individuals who have non-acute medical, mental health, or other health-related needs that cannot be accommodated or provided for in a general shelter population.**

# Capabilities

FMS provides the following **critical** capabilities:

- ❑ **Inpatient, non-acute treatment capability** for areas where hospital bed capacity has been exceeded
- ❑ **A special needs shelter for displaced persons** with chronic diseases, limited mobility, or behavioral health requirements
- ❑ **Support to quarantine missions** isolating persons suspected of being exposed to or affected by a highly contagious disease

## FMS at a Glance

- ❑ Quickly turns a building of opportunity into a temporary medical shelter
- ❑ Modular, scalable and tailor-able to the incident
- ❑ Modeled for all age populations
- ❑ Transports by ground or air for rapid maximum geographic distribution
- ❑ Deploys with supplies and equipment to care for 250 non-acute and special needs patients for up to three days
- ❑ Re-supply from prime vendors, coordinated by FMS logistics chief or logistical response assistance team (LRAT) to the IRCT
- ❑ Accompanied by DSNS FMS strike team

# Scalable Footprint for Disaster Relief

- ❑ Each 250-bed FMS is scalable
  - 250-bed FMS set requires approx. 40,000 sq. ft.
  - 100-beds from this set require approx. 25,000 sq. ft.
  - 50-beds from this set require approx. 15,000 sq. ft.
- ❑ Adaptable to footprint that may include multiple buildings or floors
- ❑ Americans with Disabilities Act considerations
- ❑ Requires at least one doorway with a 6' wide opening

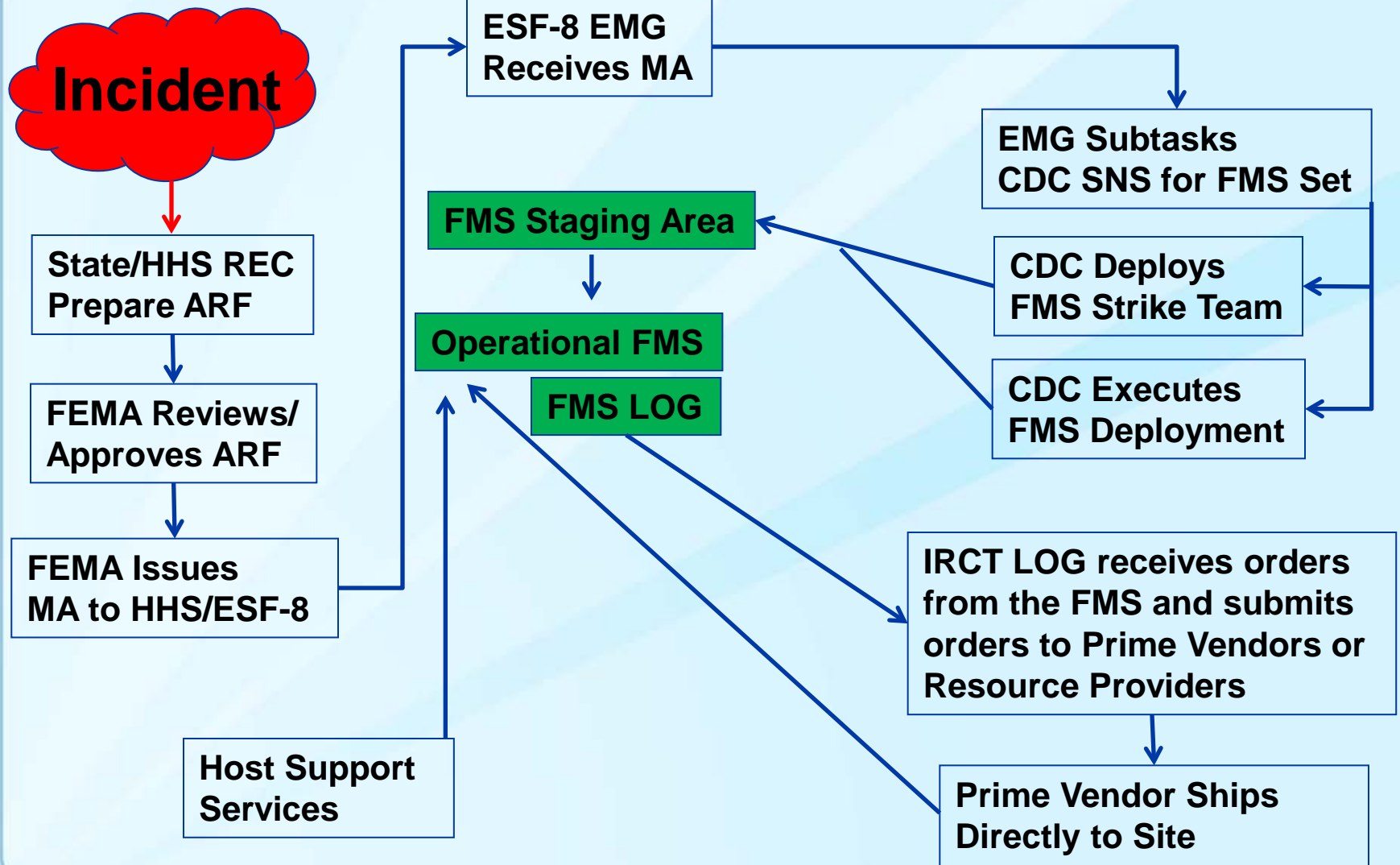


## FMS–Initial Time to Operation

- ❑ Turn-around-time up to 48 hours from the time of request to the time of delivery within the Continental United States
- ❑ FMSsets are pre-staged throughout the United States for timely responses to higher threat areas.
- ❑ 12 hours for initial operating capability (IOC)



# Notional FMS Deployment





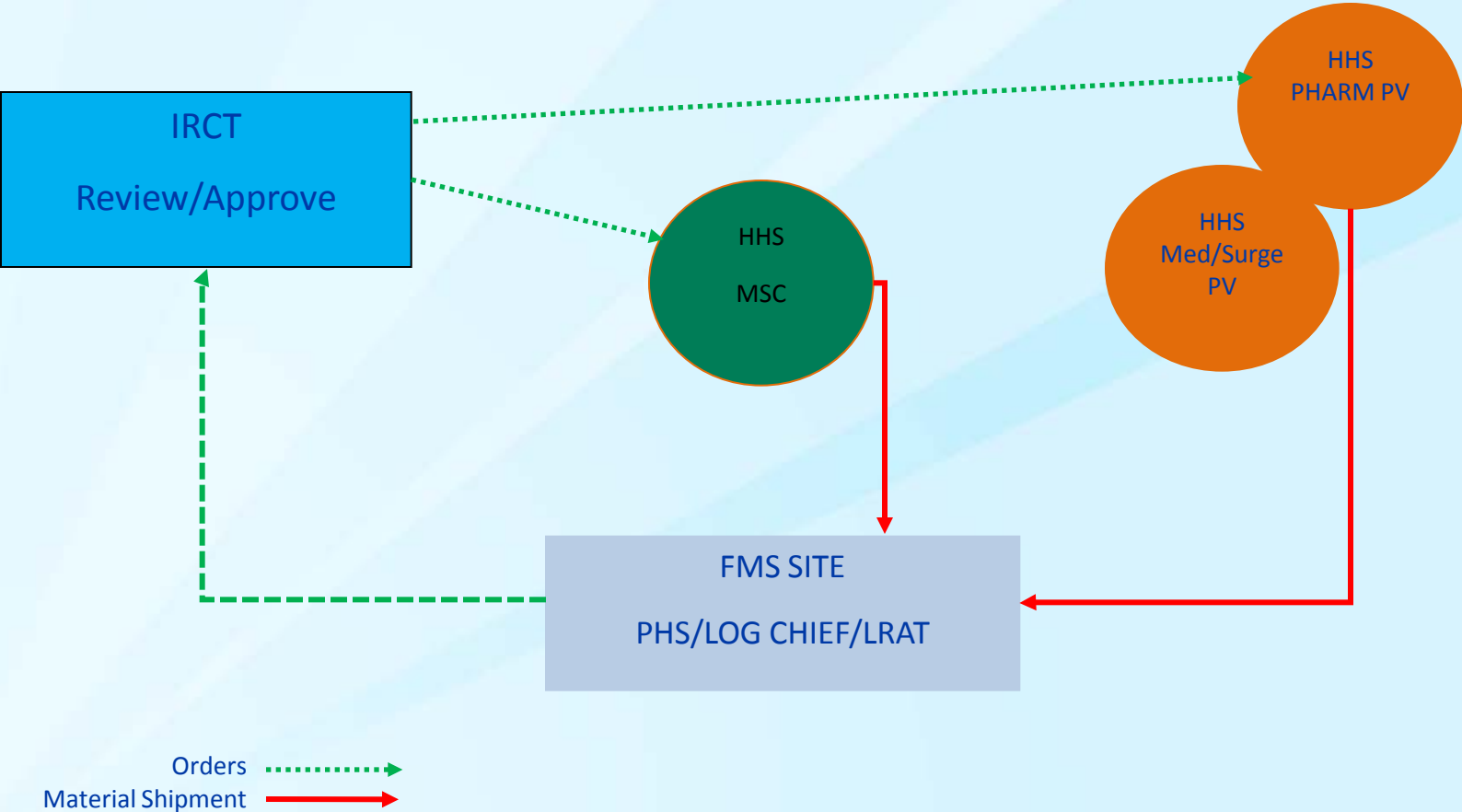
# **Staff and Resupply**

# FMS Staffing

- ❑ **Several teams may staff an FMS when it is deployed.**
  - United States Public Health Rapid Deployment Force (RDF)
  - Disaster medical assistance teams (DMAT)
  - Department of Veterans Administration Disaster Emergency Medical Personnel System (DEMPS)
  - Federal staffs should be augmented with LOG specialists or LRATS
  - State personnel
  - Volunteers
- ❑ **There may be a partnership of teams staffing a site. Such as members for the DEMPS and DMAT/RDFs.**

# FMS Resupply

FMS resupply is managed by the IRCT logistics section



# FMS Support Services

- Security Services (Internal/External)
- Food Service
- Potable Water
- Ice
- Laundry
- Janitorial Duties
- Waste Removal/Biohazard Waste Disposal
- Ambulance Service
- Transportation
- Medical Oxygen
- Mortuary Services
- Forklift and Material-handling Equipment

# Questions?

**For more information please contact Centers for Disease Control and Prevention**

1600 Clifton Road NE, Atlanta, GA 30333

Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov) Web: [www.cdc.gov](http://www.cdc.gov)

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.



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