

# Equipping an Effective Response

Personnel  
Equipment



# Objectives

- Understand role of logistics in ensuring equipment acquisition, transport & storage
- Recognize importance of targeted caches
- Use functional role needs to plan equipment
- Explain medical countermeasures





## Planning will help you identify supply needs *before* incident

Prepare for all possibilities, prioritize most likely  
Consider having stockpile of essential items & transport ready  
to send stockpiled supplies to field



# Logistics & Supplies

## Logistics Teams

- Supply acquisition
- Supply dispersal and transport
- Storage of supplies (before, during, after)
- Tracking materials

## IC, Ops, Planning, Comm also help

- Identify equipment needs
- Using, tracking equipment in field





## Equipping a Chem-Bio Response

Once the plan, command structure and trained staff—  
identify what equipment is needed



# Identify needs by functional role

## Logistics

- Stockpile of materials to be used by operations
- Transportation/ability to get supplies to ops
- Communication capacity
- Budget
- Capacity to garner supplies, buildings, transport
- Storage capacity



# Identify needs by functional role

## Incident Commander

- Communication equipment
- Office: EOC or temporary command post
- Office equipment
- Situational awareness: maps, other background
- Staff roster and schedule
- Plans



# Identify needs by functional role

## Planning

- Communication equipment
- Office: EOC or temporary command post
- Office equipment
- Situational awareness: maps, other background
- Staff roster and schedule
- Existing plans
- Ability to adapt plans to response



# Identify needs by functional role

## Communications

- Communication equipment
- Office: EOC or temporary command post
- Office equipment
- Situational awareness: maps, other background
- Staff roster and schedule
- Plans
- Radios, phones, redundant tools



# Identify needs by functional role

## Operations

- Medical supplies for impacted people and animals
  - Include enough to protect responders & working animals
- “Go-kits” bags for responders with basic supplies
- Field equipment
  - Shelter, lighting, water, food—depending on incident
- Communication equipment
- Situational awareness: maps, other background
- Staff roster and schedule
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# Equipment storage & preplanning

## Storage

- Cache
  - Fixed sites vs moveable
- Can you pre-order some supplies?
  - How often do they expire? Need to be refrigerated?
  - How to keep inventory?
  - Challenges if have to acquire during incident?
- Do you need to pre-position?
  - Back to Risk Assessment –places most at risk



# Supply distribution

Responsibility of Logistics

Pre-distribute

Points of distribution



# Supply distribution activity

See the supply list on your table. You are in charge of planning logistics for a bio-response.

Come up with 3 strategic plans for storage, acquisition and dispersal

Write bullet points for each plan on board



# Cache development

## Base on your risk assessment

Animal Health & Human Health

Medical countermeasures

PPE: Protect your workers

- Consider distributing in advance
- Train in it
- Store properly
- Test equipment prior to use



# Medical Countermeasures: Key Considerations

**Type of Agent (viral, bacterial, toxin) & Threat Prioritization**

**How it Spreads & How Fast**

- Inhalation, ingestion, injection, skin contact
- If a quick-acting agent, stockpile needs to be close

**Who Might be Affected & How Many Affected**

**Easy to operate, multi-functional, low cost, stable storage**

**Regulatory framework in place**

**Communication plan about MCM in place**



# Medical Countermeasures: Pharmaceutical Examples

Agent	Countermeasure options
Anthrax	Antimicrobial, vaccine
Botulism	Antitoxin
Influenza	Antiviral, Vaccines
Smallpox	vaccines
filo	
Viral hemorrhagic fevers	
Novel agent, emerging threats?	Consider MCM for similar agent



# Supply Activity

We currently are experiencing a respiratory and another illness in our “exercise.”

With your table, make a list of all types of supplies...from pens and paper to medical countermeasures.

Put a star (\*) next to any item that can be stored, purchased in advance

