



## AHRQ's Role in Public Health Emergency Preparedness

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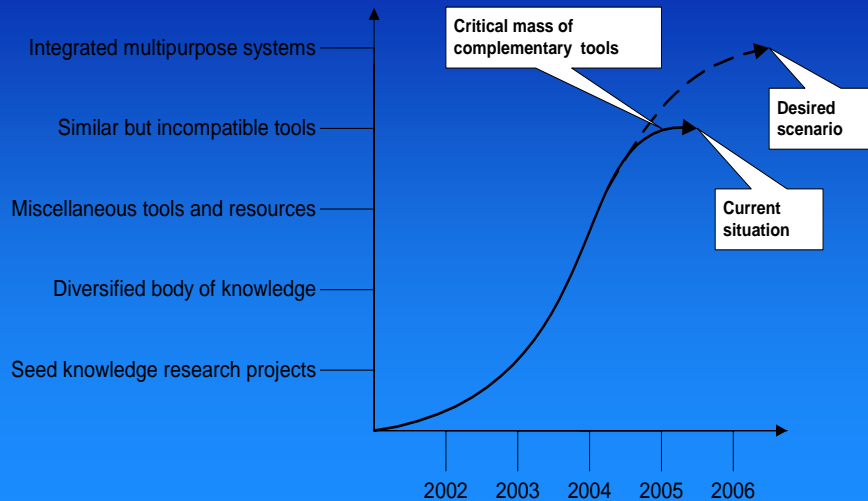
## AHRQ Objectives for the HHS Strategic Framework

### Develop and Assess:

- Alternative approaches to ensuring health care surge capacity
- Models that address training and information needs
- Alternative uses of information technology and electronic communication networks
- Protocols and technologies to enhance interoperability among health care systems



## BT/Public Health Emergency Planning and Response Evolution



## Web-Based Tool: Emergency Preparedness Resource Inventory

- Emergency Preparedness Resource Inventory (**EPRI**) Web-based tool helps local, regional, or State planners assemble an inventory of critical resources that would be useful in responding to public health emergencies
- Also includes implementation report, technical manual, and appendix
- <http://www.ahrq.gov/research/epri>



## Altered Standards of Care in Mass Casualty Events

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- Report offers guidelines for officials on how to plan for delivering health and medical care in a mass casualty event
- Includes recommendations of an expert panel convened by HHS' AHRQ and the Office of Public Health Emergency Preparedness
- Available online:  
<http://www.ahrq.gov/research/altstand/>



## Altered Standard of Care Recommendations

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- Examine how current standards of care might need to be altered in a mass casualty situation
- Identify appropriate planning, guidance, and tools and related issues to ensure an effective health and medical care response
- Recommend specific action steps to address the needs of Federal, State, regional, community, and health systems planners



## Emergency Information Center Model: Rocky Mountain Regional HEALTH

- Rocky Mountain Regional Health Emergency Assistance Line and Triage Hub Model:
  - Helps public health agencies and other first responders provide timely, accurate information during a health emergency
  - Follow up project: “A Model for Voluntary Shelter-in-Place through Community Health Call Centers”



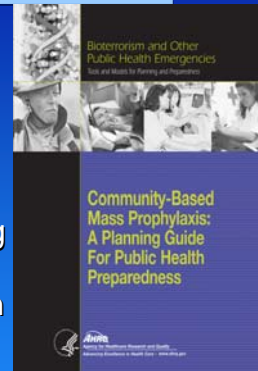
## Mass Casualty Response: Alternate Care Site Selector

- Tool helps regional planners locate and rank potential alternative sites during a bioterrorism or other public health emergency
- Available as an Excel spreadsheet
- Included in report, *Rocky Mountain Regional Care Model for Bioterrorist Events*:  
<http://www.ahrq.gov/research/altsites.htm>



## Community-Based Mass Prophylaxis: A Planning Guide for Public Health Preparedness

- Planning guide helps communities nationwide prepare for vaccine and drug dispensing in the event of a bioterrorism or other public health emergency:
  - Provides framework for understanding dispensing operations
  - Applies dispensing concepts to be run on the Bioterrorism and Epidemic Outbreak Response Model (BERM)
  - Discusses command and control framework for dispensing clinics based on CDC's National Incident Management System
- Available in print (1-800-358-9295) or on the Web (<http://www.ahrq.gov/research/cbmprophyl/cbmpro.htm>)

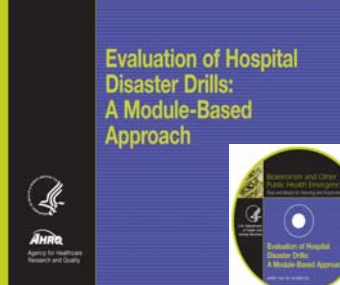
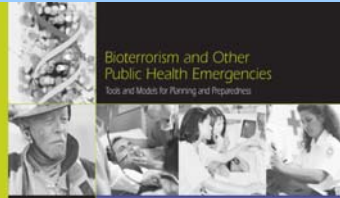


## Planning and Response

- **Bioterrorism and Epidemic Outbreak Response Model (BERM)**
  - Tool provides basis for Mass Prophylaxis Model calculations--change input values at any time to observe effect on staffing, campaign length, and population coverage estimates (TRIPOD/NYC OEM/ NYCDHMH)
- **Computer Staffing Model for Bioterrorism Response**
  - Computer model designed to give estimates of staff needed to operate a mass prophylaxis center given specific population size and staff limitations of a jurisdiction--can be downloaded as spreadsheet or accessed on Web:  
<http://www.ahrq.gov/research/biomodel.htm>



## Evidence-Based Tool: Evaluation of Hospital Disaster Drills



- Helps hospitals to:
  - Identify strengths and weaknesses in their responses during a disaster drill
  - Improve their ability to fulfill required emergency management plans
- Based on need to:
  - Plan drill objectives
  - Train observers
  - Document drill activities
  - Debrief all participants

Available at: <http://www.ahrq.gov/research/hospdrills.htm>



## Mass Casualty Surge Capacity Response - Fall 05

- Expanding Surge Capacity through Use of Former (Shuttered or Converted) Hospitals
- Standardized “Real Time” National Hospital Bed Availability and Patient Tracking System
- Exploring the Special Needs and Potential Role of Nursing Homes in Surge Capacity for Bioterrorism and Other Public Health Emergencies
- Health Care System Preparedness and Surge Capacity for Bioterrorism and Public Health Emergencies: A Model for Regional Hospital Surge Capacity



## Federal Integrated System Initiatives

- Standardized “Real Time” National Bed Availability and Patient Tracking System-Prototype
- Integrated Patient Tracking/Locator Model
- Models and Tools for Mass Casualty Surge Requirements
- National Mass Patient Movement, Regulating and Tracking System



## 06 Research Activities

- A Model for Voluntary Shelter-in-Place through Community Health Call Centers
- Model for Health Professionals’ Cross Training for Mass Casualty Respirator Needs
- Community Based Planning Guide for Delivering care under Emergency Mass Casualty circumstances



## Hospital Bed Availability and Patient Tracking System (HAVBED)

- **Prototype “real-time” standardized data reporting tool**
  - Enhance system/region’s ability to care for surge of patients from public health emergency (e.g., flu)
  - Provides timely reporting of bed status data in an emergency (includes GIS)
- **Nationwide scope: prototype participants**
  - Denver Health Medical Center
  - Washington Hospital Capacity Website
  - EMSystem (Colorado, Milwaukee, WI, San Antonio, TX)
  - New York State Hospitals
  - Other hospitals
- **Currently in its final phase of development**



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- [Developing Evidence: Drug and Antimicrobial PAR 03-130](#)  
Building the Evidence to Promote Bioterrorism and Other Public Health Emergency Preparedness in Health Care Systems.





## For More Information

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