



AHRQ's Role in Public Health Emergency Preparedness

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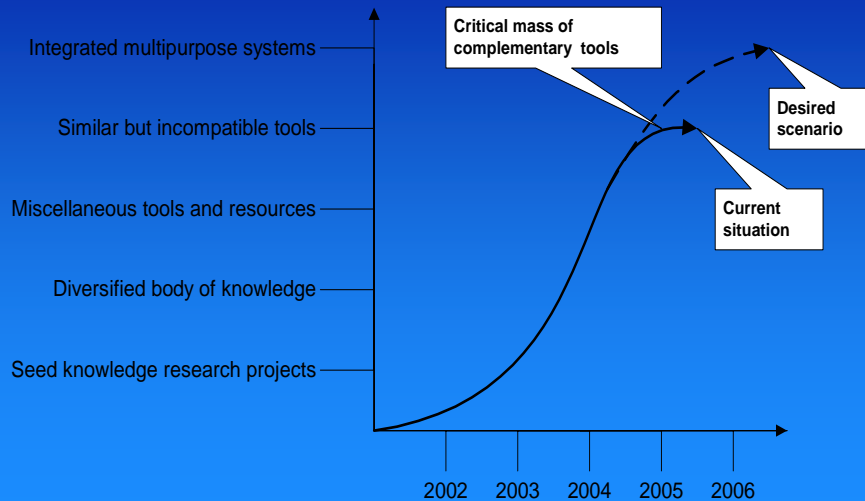
AHRQ Objectives for the HHS Strategic Framework

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

- 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

- 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”



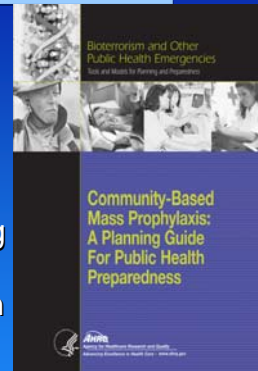
Mass Casualty Response: Alternate Care Site Selector

- 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>)

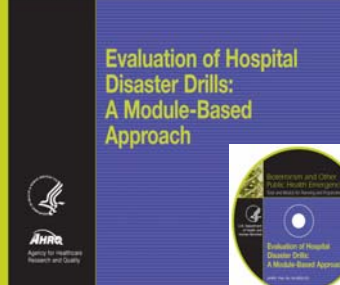
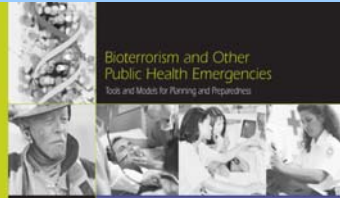


Planning and Response

- **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**



<http://www.ahrq.gov/browse/bioterbr.htm>

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Bioterrorism and Health System Preparedness
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Research Projects

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- [Responses to Bioterrorism: AHRQ Helps Clinicians, Health Systems, and Policymakers](#)
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Building the Evidence to Promote Bioterrorism and Other Public Health Emergency Preparedness in Health Care Systems.



For More Information

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