



## Prepositioned Medical Countermeasures for the Public

Board on Health Sciences Policy

**Day 1: Monday, February 28, 2011**

**Washington Plaza Hotel  
National Hall Room  
10 Thomas Circle, Washington, DC**

### Workshop Goals

1. Identify gaps and challenges in the existing infrastructure and strategies for dispensing antibiotics to protect the public against a terrorist attack using *Bacillus anthracis* or a similar pathogen.
2. Assess current prepositioning efforts and identify challenges.
3. Discuss appropriate target population groups, advantages, issues, and challenges associated with a range of prepositioning strategies, including workplace caches, hospital caches, caches in schools/universities/daycares, caches in institutional facilities for older adults, and household stockpiles.
4. Examine ethical, legal, regulatory, and safety issues relevant to the development of prepositioning strategies.
5. Discuss methods, metrics, and available data for evaluating the cost and effectiveness of prepositioning strategies.

8:00 a.m. Welcome and Introductions

ROBERT BASS, *Committee Chair*  
Executive Director  
Maryland Institute for Emergency Medical Services Systems

TIA POWELL, *Committee Vice-Chair*  
Director  
Montefiore-Einstein Center for Bioethics

### SESSION 1: FEDERAL STAKEHOLDER PERSPECTIVES

Session Objectives:

- Describe relevant federal efforts associated with prepositioning antibiotics for anthrax.
  - Examine the gaps, challenges, and emerging issues that federal agencies are facing.
- Discuss which prepositioning strategies are likely to be successful under which circumstances and for which segments of the population, and the potential role of these strategies within an overall strategy for dispensing antibiotics.

8:15 a.m. ROBERT BASS, *Session Chair*  
Executive Director  
Maryland Institute for Emergency Medical Services Systems

ELIN GURSKY  
Senior Advisor  
Office of the Assistant Secretary for Preparedness and Response  
Department of Health and Human Services

GREG BUREL  
Director, Division of Strategic National Stockpile  
Office of Public Health Preparedness and Response  
Centers for Disease Control and Prevention

SALLY PHILLIPS  
Deputy Director Health Threats Resilience Division  
Office of Health Affairs  
Department of Homeland Security

9:10 a.m. Discussion with Committee

9:45 a.m. BREAK

## SESSION 2: STATE AND LOCAL PERSPECTIVES

### Session Objectives:

- Identify gaps, challenges, and emerging issues associated with current state and local strategies for dispensing antibiotics to the public: What evidence supports the need for further refinement of medical countermeasures dispensing plans?
- Describe relevant state and local efforts associated with prepositioning antibiotics for anthrax.
  - Where available, examine data assessing current prepositioning strategies.
- Discuss which prepositioning efforts are likely to be successful under which circumstances and for which segments of the population, and the potential role of these strategies within an overall strategy for dispensing antibiotics.
- Discuss state and local needs associated with developing prepositioning strategies.

10:00 a.m. HERMINIA PALACIO, *Session Chair*  
Executive Director  
Harris County Public Health and Environmental Services, Texas

SUSAN COOPER  
Commissioner  
Tennessee Department of Health

DAVID STARR  
Director, Countermeasures Response  
Office of Emergency Preparedness and Response  
New York City Department of Health and Mental Hygiene

ANDREA MATHIAS  
Deputy Health Officer  
Worcester County, Maryland

10:50 a.m. Discussion with Committee

### **SESSION 3: PUBLIC ENGAGEMENT ON PREPOSITIONING**

Session Objectives: Discuss concurrent public engagement project on prepositioning, also sponsored by ASPR, and general considerations for engaging the public on prepositioning strategies.

11:30 a.m.            KEVIN MASSEY, *Session Chair*  
Director, Lutheran Disaster Response  
Evangelical Lutheran Church of America

ROGER BERNIER  
Member  
Medical Countermeasure Public Engagement Initiative Steering Committee

11:45 a.m.            Discussion with Committee

12:00 p.m.        LUNCH. *Note:* The committee will meet in closed session from 12:00 – 1:00 p.m.

### **SESSION 4: PREPOSITIONING EFFORTS IN OTHER DOMAINS**

Session Objective: Examine successes and lessons learned through the implementation of prepositioning strategies in other domains, including prepositioning of atropine in Israel, potassium iodide provided to people living near nuclear facilities, and household antibiotic kits provided to postal workers and their families in Minneapolis/St. Paul.

1:00 p.m.            DANIEL LUCEY, *Session Chair*  
Adjunct Professor of Microbiology and Immunology  
Georgetown University Medical Center

DANIEL LAOR (*by teleconference*)  
Director  
Emergency and Disaster Management Division  
Ministry of Health, Israel

JAMES BLANDO  
Assistant Professor  
School of Community and Environmental Health  
Old Dominion University

JAYNE GRIFFITH  
State Bioterrorism Epidemiologist  
Minnesota Department of Health

1:30 p.m.            Discussion with Committee

## SESSION 5: MODELING ANTHRAX

Session Objective: Examine data and models of inhalational anthrax: dose response, incubation period distribution, disease progression and clinical outcomes, and medical consequences of the timing of providing antibiotics. In particular, assess the evidence supporting the commonly-used 48-hour goal for dispensing antibiotics to the affected population.

2:00 p.m.

TONY COX, *Session Chair*  
President  
Cox Associates

SID BACCAM  
Senior Scientist  
Innovative Emergency Management (IEM)

DEAN WILKENING (*by teleconference*)  
Senior Research Scientist  
Center for International Security and Cooperation  
Stanford University

KENNETH RAPUANO  
Director of Advanced Systems and Policy  
Homeland Security Systems Engineering and Development Institute  
Mitre

3:00 p.m.

BREAK

## SESSION 6: LEGAL AND REGULATORY ISSUES

Session Objective: Discuss federal and state legal and regulatory issues associated with repositioning antibiotics using strategies such as workplace caches, hospital caches, and household stockpiles.

3:15 p.m.

ERIN MULLEN, *Session Chair*  
Assistant Vice President, Rx Response  
Pharmaceutical Research and Manufacturers of America

ELIZABETH SADOVE  
Regulatory Counsel  
Office of Counterterrorism and Emerging Threats  
Food and Drug Administration

DANIEL O'BRIEN  
General Counsel, Dimensions Healthcare  
(Formerly) Principal Counsel, Assistant Attorney General  
Department of Health & Mental Hygiene, Office of the Attorney General, MD

MITCHEL ROTHHOLZ  
Chief of Staff  
American Pharmacists Association

3:45 p.m.

Discussion with Committee

## SESSION 7: SAFETY ISSUES

Session Objective: Discuss safety concerns associated with repositioning strategies, including workplace caches and household stockpiles. This may include both issues such as adverse effects of antibiotics as well as, for example, concerns related to health literacy.

4:15 p.m.

ROBERT HOFFMAN, *Panel Chair*  
Director  
New York City Poison Control Center

NADINE SHEHAB  
Senior Service Fellow  
Division of Healthcare Quality Promotion  
National Center for Emerging and Infectious Zoonotic Disease  
Centers for Disease Control and Prevention

KENT SEPKOWITZ  
Vice Chairman of Clinical Affairs  
Director, Hospital Infection Control  
Memorial Sloan-Kettering Cancer Center

DANIEL FAGBUYI  
Medical Director, Disaster Preparedness and Emergency Management  
Assistant Professor of Pediatrics and Emergency Medicine  
The George Washington University School of Medicine  
Children's National Medical Center

4:45 p.m.

Discussion with Committee

5:15 p.m.

Closing Remarks

ROBERT BASS, *Committee Chair*  
Executive Director  
Maryland Institute for Emergency Medical Services Systems

TIA POWELL, *Committee Vice-Chair*  
Director  
Montefiore-Einstein Center for Bioethics

5:30 p.m.

ADJOURN DAY 1

## Day 2: Tuesday, March 1, 2011

### Washington Plaza Hotel National Hall Room 10 Thomas Circle Washington, DC

8:00 a.m. Welcome and Summary of Day 1

ROBERT BASS, *Committee Chair*  
Executive Director  
Maryland Institute for Emergency Medical Services Systems

TIA POWELL, *Committee Vice-Chair*  
Director  
Montefiore-Einstein Center for Bioethics

#### SESSION 8: VULNERABLE POPULATIONS AND ETHICAL ISSUES

Session Objectives:

- Identify the specific needs of vulnerable populations with regard to prepositioning antibiotics (e.g., children, pregnant women, people with disabilities, people with chronic illnesses, older adults).
  - Discuss mechanisms for prepositioning antibiotics in environments where these populations will most likely be during an event (e.g., school, child care, at home, care facility etc...).
- Discuss ethical issues relevant to developing prepositioning strategies, including those related to equity and health literacy.

8:15 a.m. TIA POWELL, *Session Chair*  
Director  
Montefiore-Einstein Center for Bioethics

MICHAEL ANDERSON  
Vice President and Associate Chief Medical Officer  
University Hospitals *and*  
Associate Professor of Pediatric Critical Care  
Rainbow Babies & Children's Hospital, Cleveland, OH

ALEXIS SILVER  
Vice President of Policy and Clinical Affairs  
Home Care Association of New York State

KEVIN SMITH  
Emergency Disaster Services Director  
Florida Division of The Salvation Army

9:05 a.m. Discussion with Committee

9:45 a.m. BREAK

## SESSION 9: PRIVATE SECTOR PERSPECTIVES AND WORKPLACE CACHES

### Session Objectives:

- Review current private sector efforts to preposition antibiotics within the organization.
- Discuss development and implementation of workplace caches:
  - What kind of companies would be appropriate for the strategy?
  - What are the advantages associated with the strategy?
  - How could challenges and issues associated with the strategy be addressed?
  - Would private sector organizations be interested in additional involvement in prepositioning? What barriers would need to be addressed?
- Consider lessons learned from private sector initiatives to stockpile antivirals that may apply to stockpiling antibiotics.

10:00 a.m.           BRAD BREKKE, *Panel Chair*  
Vice President of Assets Protection  
Target Corporation

ANDREW SHULMAN  
Chief Operating Officer  
Affiliated Physicians

JOCELYN STARGEL  
Business Assurance Principal  
Southern Company Services, Inc.

PENNY TURNBULL (*by teleconference*)  
Senior Director, Business Continuity  
Marriott Hotels International, Ltd

10:30 a.m.           Discussion with Committee

## SESSION 10: HOSPITAL AND COMMUNITY HEALTH CENTER CACHES

### Session Objectives:

- Review current efforts to preposition antibiotics within hospitals, community health centers, or other healthcare institutions.
- Discuss development and implementation of caches within healthcare institutions:
  - What kind of health care settings would be appropriate for the strategy?
  - What are the advantages associated with the strategy?
  - How could challenges and issues associated with the strategy be addressed?
  - Would healthcare institutions be interested in additional involvement in prepositioning? What barriers would need to be addressed?
- Consider lessons learned from initiatives to stockpile antivirals that may apply to stockpiling antibiotics.

11:00 a.m.           JEFFREY UPPERMAN, *Panel Chair*  
Director of Trauma, Children's Hospital of Los Angeles  
Associate Professor of Surgery, Keck School of Medicine  
University of Southern California

MICHAEL ROBBINS  
Strategic National Stockpile Director  
Chicago Department of Public Health

THOMAS TIGHE  
President and Chief Executive Officer  
Disaster Relief International

AMELIA MUCCIO  
Director of Disaster Planning  
New Jersey Primary Care Association

11:30 a.m. Discussion with Committee

12:00 p.m. LUNCH. *Note:* The committee will meet in closed session from 12:00 – 1:00 p.m.

### **SESSION 11: OTHER PREPOSITIONING STRATEGIES**

Session Objective: Discuss development and implementation of additional strategies for prepositioning antibiotics. For each strategy, discuss:

- Who would be appropriate targets for the strategy? (e.g., population groups, geographic factors, threat status)
- What are the advantages associated with the strategy?
- How could challenges and issues associated with the strategy be addressed?

1:00 p.m. Panel A: Household MedKits

ANDREW PAVIA, *Session Chair*  
George and Esther Gross Presidential Professor  
University of Utah School of Medicine  
Division of Pediatric Infectious Diseases

DEBRA YESKEY  
Director, Regulatory and Quality Affairs Division  
Biomedical Advanced Research and Development Agency  
Office of the Assistant Secretary for Preparedness and Response  
Department of Health and Human Services

MICHAEL ROBBINS  
Strategic National Stockpile Director  
Chicago Department of Public Health

ELAINE VAUGHAN (*by teleconference*)  
Research Professor and Professor Emerita of Psychology & Social Behavior  
School of Social Ecology  
University of California, Irvine

1:30 p.m. Discussion with Committee



2:00 p.m. Panel B: Other Prepositioning Strategies

ROBERT BURHANS, *Panel Chair*  
(Retired) Director of Health Emergency Preparedness  
New York State Department of Health

JAMES TURNER  
Immediate Past President  
American College Health Association

TIM STEPHENS  
Public Health Advisor  
National Sheriff's Association

2:30 p.m. Discussion with Committee

3:00 p.m. BREAK

**SESSION 12: MODELS, COST, AND EFFECTIVENESS**

Session Objective: Identify currently available economic evidence regarding prepositioning strategies. What potential models exist that may be helpful? Discuss appropriate measures and metrics (e.g., cost, efficacy, effectiveness).

3:15 p.m. Panel A: Modeling Prepositioning Strategies

STEPHEN POLLOCK, *Panel Chair*  
Herrick Emeritus Professor of Manufacturing  
University of Michigan

JEFFREY HERRMANN  
Associate Professor  
Department of Mechanical Engineering and Institute for Systems Research  
University of Maryland

NATHANIEL HUPERT  
Director, Preparedness Modeling Unit  
Centers for Disease Control and Prevention *and*  
Associate Professor of Public Health and Medicine  
Weill Medical College, Cornell University

SID BACCAM  
Senior Scientist  
Innovative Emergency Management (IEM)

3:45 p.m. Discussion with Committee

4:15 p.m. Panel B: Evaluating Cost and Effectiveness of Prepositioning Strategies

MARGARET BRANDEAU, *Panel Chair*  
Coleman F. Fung Professor of Engineering  
Stanford University

FADIA T. SHAYA  
Associate Professor  
University of Maryland School of Pharmacy

FRED SELCK  
Doctoral Student in Health Economics  
Department of Health Policy and Management  
Johns Hopkins Bloomberg School of Public Health

NIKHIL NATARAJAN  
Associate Director  
Office of Health Emergency Preparedness  
New York State Department of Health

4:45 p.m. Discussion with Committee

5:15 p.m. Closing Remarks

ROBERT BASS, *Committee Chair*  
TIA POWELL, *Committee Vice-Chair*

5:30 p.m. ADJOURN