Maryland Healthcare-Associated Infections Prevention Plan

Presentation to
Senate Finance Committee
Senator Thomas M. Middleton, Chairman
House Health and Government Operations Committee
Delegate Peter A. Hammen, Chairman

March 22, 2010

Pamela W. Barclay
Director, Center for Hospital Services
Maryland Health Care Commission
Reducing Healthcare-Associated Infections in Maryland
Epidemiology and Laboratory Capacity for Infectious Diseases

Grant Proposal Filed in June 2009 by:
• Maryland Health Quality and Cost Council
• DHMH Infectious Disease and Environmental Health Administration
• Maryland Health Care Commission

• CDC Awards Maryland $1.2 million for 28-month project (August 2009-December 2011)

• Funds Awarded Support Work in Three Areas
  • Activity A: Coordination and Reporting of State HAI Prevention Efforts
  • Activity B: Detection and Reporting of HAI Data
  • Activity C: Establishing a Prevention Collaborative
Coordination and Reporting of State HAI Prevention Efforts

• Maryland developed and timely submitted the State HAI Prevention Plan to DHHS (January 1, 2010)

• The Secretary of HHS will review state plans to determine if:
  • Consistent with the HHS Action Plan
  • Contain measurable 5-year goals and interim milestones for preventing HAIs

• The Secretary of HHS will submit a summary report to Congress by June 1, 2010
HHS Action Plan to Prevent Healthcare-Associated Infections (June 2009)

Tier One Priorities*

HAI Priority Areas

• Catheter-Associated Urinary Tract Infection
• Central Line-Associated Blood Stream Infection
• Surgical Site Infection
• Ventilator-Associated Pneumonia
• MRSA
• *Clostridium difficile*

Implementation Focus

• Hospitals

*Tier Two will address other types of healthcare facilities

Maryland HAI Prevention Plan

- Uses the CDC framework to ensure progress towards five-year national prevention targets as described in the HHS Action Plan in the following areas:
  - Infrastructure Planning for HAI Surveillance, Prevention, and Control
  - Planning for HAI Surveillance, Detection, Reporting, and Response
  - Planning for HAI Prevention Activities
  - HAI Communication and Evaluation Planning
Beverly Collins, M.D., MBA, MS  
Medical Director, Healthcare Informatics  
CareFirst BlueCross BlueShield

Sara E. Cosgrove, M.D., M.S.  
Associate Professor of Medicine  
Division of Infectious Diseases  
Director, Antibiotic Management Program  
Associate Hospital Epidemiologist,  
Johns Hopkins Medical Institutions

Jacqueline Daley, HBSc, MLT, CIC, CSPDS  
Director, Infection Prevention and Control  
Sinai Hospital of Baltimore

Maria E. Eckart, RN, BSN, CIC  
Regional Education Coordinator, Infection Control  
Consultant, Towson Regional Office, Genesis Health Care

Elizabeth P. (Libby) Fuss, RN, MS, CIC  
Infection Control/Associate Health Manager  
Carroll Hospital Center

Wendy L. Gary, MHA, Vice President  
Healthcare Quality and Patient Safety  
Delmarva Foundation for Medical Care

Andrea Hyatt, President  
MD Association of Ambulatory Surgery Centers  
c/o Dulaney Eye Institute

Debra Illig, RN, MBA, CLNC  
Executive Director, Quality and Patient Safety  
Adventist HealthCare, Inc.

Anthony Harris, M.D., M.P.H., Associate Professor  
Epidemiology and Preventive Medicine, University of Maryland School of Medicine

Lynne V. Karanfil, RN, MA, CIC  
Corporate Coordinator, Infection Control  
MedStar Health-Performance Improvement

Jean E. Lee, Pharm.D., BCPS, Co-Chair  
MSHP Antimicrobial Stewardship Committee  
Clinical Pharmacy Specialist in Infectious Diseases  
Sinai Hospital of Baltimore
Maryland Health Care Commission
Healthcare-Associated Infections (HAI) Advisory Committee (continued)

Michael Anne Preas, RN, BSN, CIC
Infection Prevention and Control
University of Maryland Medical Center

Peggy Pass, RN, BSN, MS, CIC
President, APIC Greater Baltimore Chapter
Director, Infection Prevention Control
St. Agnes Hospital

Brenda Roup, Ph.D, RN, CIC
Nurse Consultant in Infection Prevention & Control, Office of Infectious Disease Epidemiology and Outbreak Response, IDEHA
Department of Health and Mental Hygiene

Jack Schwartz, Esq.
Visiting Professor, Health Policy and Law Fellow
University of Maryland School of Law

Patricia Swartz, MPH, MS
PH Informaticist / HAN Coordinator,
Information Resources Management Administration
Department of Health and Mental Hygiene

William Minogue, M.D., Executive Director,
Maryland Patient Safety Center

Carol B. Payne, Consumer Representative
Baltimore Office, HUD

Kerri A. Thom, M.D., MS
Associate Hospital Epidemiologist
University of Maryland Medical Center
Assistant Professor, Department of Epidemiology and Preventive Medicine, University of Maryland

Renee Webster, Assistant Director,
Hospitals, Laboratories, and Patient Safety
Office of Health Care Quality
Department of Health and Mental Hygiene

Lucy E. Wilson, M.D., Sc.M.
Chief, Center for Surveillance
Infection Prevention and Outbreak Response
Office of Infectious Disease Epidemiology and Outbreak Response, IDEHA
Department of Health and Mental Hygiene

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Healthcare-Associated Infections Advisory Committee Mission and Vision Statement

MISSION

• Identify specific HAI prevention targets for Maryland consistent with the priorities established by the State of Maryland and U.S. Department of Health and Human Services;
• Identify evidence-based practices needed to achieve and sustain progress in protecting patients in Maryland from the transmission of HAIs that are serious and cause increased morbidity and mortality; and,
• Monitor and communicate progress in meeting prevention targets on an on-going basis.

VISION

The Maryland Healthcare-Associated Infections (HAI) Advisory Committee’s vision is for Maryland to become a national leader among the states in the area of preventing and controlling HAIs.
Healthcare-Associated Infections Advisory Committee

- Development of Maryland HAI Prevention Plan

HAI Process and Outcome Measures Subcommittee
- Recommend HAI process and outcome measures
- Develop proposed Maryland prevention targets
- Recommend strategies for validating HAI process and outcome measures
- Recommend the format and frequency for HAI public reporting on process and outcome measures

Infection Prevention Subcommittee
- Recommend uniform, statewide approach for measuring hand hygiene
- Develop HAI Prevention Collaboratives, including the Maryland Hospital Hand Hygiene Collaborative and the Multi-Drug Resistant Organism (MDRO)-Acinetobacter Prevention Collaborative
- Develop an inventory of State-level infection prevention and control programs; and, recommend strategies to increase impact where appropriate
- Recommend key strategies for infection prevention and control

IP Training and Work Force Development Subcommittee
- Identify training needs to support planned Maryland HAI data collection and reporting initiatives
- Study the capacity of the current Maryland IP workforce to meet future needs
- Study approaches to increasing IP capacity, including development of career ladders
- Develop best practices for training and certification for health care professionals in HAI prevention

Electronic Laboratory Data Reporting Subcommittee
- Assess current capability of health care providers to transition to an electronic laboratory data reporting environment
- Facilitate electronic transmission of HAI data from clinical laboratories to public health agencies
- Facilitate implementation of electronic laboratory-based data reporting that adheres to Health Level 7 (HL7) standards and existing national surveillance systems (NEDSS and NHSN)
Planning for HAI Surveillance, Detection, Reporting, and Response

- Identify HAI Prevention Targets
- Adopt National Standards to Track HAIs
  - NHSN (CLABSI/SSI/MDRO)
  - Maryland Data Sets (HCW Influenza Vaccination Rates; AST for MRSA in ICUs)
  - Surgical Care Improvement Project Process of Care Measures
- Develop State Surveillance Training Competencies
  - Statewide Training Seminars on NHSN Modules
- Validate HAI Surveillance Data
- Develop Tailored Data Analysis Reports
Planning for HAI Prevention Activities

- Prevention Collaboratives
  - Maryland Hospital Hand Hygiene Collaborative
  - Multi-Drug Resistant Organism (MDRO) – *Acinetobacter* Collaborative

- Develop State HAI Training Competencies

- Implement HICPAC Recommendations
  - CLABSI
  - SSI
  - MDRO

- Identify On-Going Funding to Support Key Collaborative Activities
HAI Communication and Evaluation Planning

- Provide Consumers with Access to Useful Health Care Quality Measures
  - Maryland Hospital Performance Evaluation Guide

- Provide Infection Prevention Professionals, Hospitals, Physicians, Policymakers and Interested Organizations with Information Regarding HAI Prevention Planning
  http://mhcc.maryland.gov/healthcare_associated_infections/index.html