

## Infectious Disease Surveillance: A Team Approach

### Speakers

**Alfred DeMaria, Jr., MD**

State Epidemiologist,  
Medical Director, Bureau of Infectious Disease  
Prevention, Response & Services, MDPH

**Richard Ellison III, MD**

Professor, Infectious Diseases & Immunology;  
Molecular Genetics & Microbiology  
UMASS Medical School

**Linda Han, MD, MPH**

Acting Director, Bureau of Laboratory Sciences, MDPH

**Cheryl Gauthier, MA**

Director, Bioterrorism Response Laboratory  
Bureau of Laboratory Sciences, MDPH

**Lynda Glenn, MS**

Epidemiology Program, Bureau of Infectious Disease  
Prevention, Response & Services, MDPH

**Michael Klompas, MD, MPH, FRCPC**

Infectious Diseases, Harvard Medical School  
Hospital Epidemiologist, Brigham & Women's Hospital

**Kenneth F. Sands, MD**

Assistant Professor, Harvard Medical School  
Beth Israel Deaconess Medical Center

**Elizabeth Szymczak, MS**

Director, Laboratory Response & Communications  
Responsible Official, Select Agents & Toxins  
Bureau of Laboratory Sciences, MDPH

### Location

**The Publick House**

277 Main Street, Sturbridge, MA 01566

Discounted room rates may be available. Please go to  
[www.publickhouse.com](http://www.publickhouse.com) or call 800-PUBLICK.

Massachusetts Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street  
Boston, MA 02130-3597

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**November 10, 2009  
Sturbridge, MA**

*Sponsored by:*

Massachusetts Department of Public Health  
Bureau of Infectious Disease Prevention,  
Response and Services,  
Division of Epidemiology & Immunization,  
Bureau of Laboratory Sciences, &  
The Northeast Branch  
American Society for Microbiology



# Infectious Disease Surveillance: A Team Approach

## Description

**Audience:** This program is designed for microbiology supervisors, infection preventionists, physicians and epidemiologists. It will be presented in two sessions, morning and afternoon. Please refer to the registration form for details.

**Morning Session: *Burkholderia pseudomallei* in a Patient with Cystic Fibrosis (CF) —A Case Study. Laboratory and EPI Response and Responsibilities.** Most clinical laboratories do not participate in the National Select Agent Registry Program. Isolation of a select agent from a clinical specimen, however, requires that laboratories adhere to federal reporting protocols. The morning session will focus on the importance of communication between sentinel laboratories, infection preventionists, the MDPH bioterrorism response laboratory and state epidemiologists. A recent *Burkholderia pseudomallei* case provides many “lessons learned” of interest to clinical microbiologists and infection preventionists when a select agent is isolated from a patient specimen.

**Afternoon Session: Current Challenges in the Hospital Environment—Healthcare-associated Infections and Influenza.** Healthcare-associated infections (HAIs) are an ongoing challenge that is being addressed as a national and state priority. Reducing HAIs would substantially decrease morbidity and mortality as well as provide great cost savings. However, there are significant challenges associated with reducing HAIs. The afternoon session will focus on surveillance and prevention programs for two important hospital-associated infections (CVC-BSI and VAP). In addition, the evolving status of the 2009 influenza season will be addressed.

### Continuing Education

**For Physician CME:** The Bureau of Infectious Disease, Response, and Services (BID), Massachusetts Dept. of Public Health (MDPH), designates this continuing medical education activity for a maximum of 6 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim those credit commensurate with the extent of their participation in the activity. The BID, MDPH is accredited by the Massachusetts Medical Society to sponsor continuing medical education for physicians.

**For Nursing CEU:** This Program has been offered by the BID, MDPH. A maximum of 6 nursing contact hours for this program will be provided in accordance with the Board of Registration in Nursing Regulations governing continuing education (CMR 244 5.00).

**For ASCP CMLE:** The Northeast Branch American Society for Microbiology is approved as a provider of continuing education programs in the clinical laboratory sciences by the American Society of Clinical Pathology (ASCP). ASCP CMLE credit hours are acceptable to meet the continuing education requirement for the ASCP Board of Registry Certification Maintenance Program. A maximum of 6 credit hours will be provided.

## Agenda

7:45	<b>Registration</b> - Full Day and Morning Session
8:00	<b>Welcome and <i>Burkholderia pseudomallei</i> Case Introduction</b> <i>Alfred DeMaria, Jr., MD</i> <i>Linda Han, MD, MPH</i>
8:30	<i>Burkholderia pseudomallei</i> —Infection Control Concerns <i>Richard T. Ellison III, MD</i>
9:00	<i>Burkholderia pseudomallei</i> —The Public Health Laboratory Response <i>Elizabeth Szymczak, MS, MT(ASCP)</i> <i>Cheryl Gauthier, MS, MT(ASCP)</i>
10:00	<b>Break</b>
10:30	Epi Center: A Coordinated Epidemiologic Response <i>Lynda Glenn, MS, MT(ASCP)</i>
<b>(11:00 Registration - Afternoon Session Only)</b>	
11:30	<b>Lunch and Networking</b>
12:30	Preventing Central Venous Catheter (CVC)-Associated Bloodstream Infections (BSIs): An Exercise in Both Science and Organizational Behavior <i>Kenneth Sands, MD</i>
1:30	Challenges in Diagnosis and Surveillance for Ventilator-associated Pneumonia <i>Michael Klompas, MD, MDPH, FRCPC</i>
2:30	<b>Tea Break</b>
3:00	In the Midst of the Influenza Pandemic <i>Alfred DeMaria, Jr., MD</i>
4:00	Evaluation & Adjourn

### Special Needs

In compliance with the Americans with Disabilities Act (ADA), individuals requiring special accommodations should notify Garry Greer at 617-983-6608 at least two weeks prior to the conference.

## Objectives

At the conclusion of this program, participants should be able to:

- Describe the microbiology and clinical significance of *B. pseudomallei*
- Explain the infection control and laboratory concerns of *B. pseudomallei*
- Illustrate the sentinel laboratory protocol for notification of a possible select agent
- Describe the coordination and development of response protocols for laboratory exposure to *B. pseudomallei*
- Determine key elements of a CVC-BSI prevention program
- Understand the application of transparency and real time problem solving to CVC-BSI
- Understand elements that might lead to programmatic success or failure, based on specific case examples from BIDMC
- Characterize the accuracy of clinical signs for the diagnosis of ventilator-associated pneumonia (VAP)
- Specify the implications of diagnostic uncertainty on the reliability and utility of VAP surveillance
- Delineate strategies to increase the objectivity of VAP surveillance
- Describe means other than VAP rates to assess the efficacy of VAP prevention process measures
- Discuss the current state of influenza (seasonal and H1N1) in Massachusetts

**Program Fee: Full day—\$50.00**

**Half day—\$40.00**

**Please see registration form for additional Information.**