

USPHS Scientific and Training Symposium

Category Day, Wednesday, June 6, 2018

Physician Agenda

8:00 AM – 8:15 AM

Welcome Remarks

CDR Francisca Abanyie-Bimbo, LCDR Toya Kelley, MD

8:15 AM - 8:45 AM

Learning Core Leadership: Building and implementing a Commissioned Corps Service-oriented leadership framework and training

LCDR Matt Karwowski, MD, MPH, FAAP, CAPT Jason Woo, MD, MPH, FACOG

Most leadership programs instruct learners “what to do,” but few help both emerging and experienced leaders understand “how to be.” This presentation describes an ongoing leadership program that Commissioned Corps officers stationed throughout the country have engaged in to improve their effectiveness and influence by honing self-awareness and understanding self-motivation.

At the end of this session attendees will be able to:

1. Identify and describe a foundational leadership competency for Commissioned Corps officers in their commitment to the core value of Service.
2. Describe a framework for officer leadership development and collaboration that leverages the diversity, breadth and depth of the Commissioned Corps.
3. Apply this framework to their own leadership development plan and identify opportunities for enhancing their impact on public health and leadership as a Commissioned Corps officer.

8:45 AM - 9:45 AM

Immigration and Customs Enforcement (ICE) Health Service Corps (IHSC) Panel

LCDR Melinda Astran, MD, LCDR Toya Kelley, MD, CAPT Esan Simon

Maintaining and advancing the standard of healthcare for our ICE detention patient population continues to be our goal within IHSC. Our panel will present different perspectives of the unique opportunities in practicing medicine in a correctional setting including those of both a staff physician and headquarters leadership physicians.

At the end of this session attendees will be able to:

1. Describe the medical officer opportunities in the IHSC.
2. Summarize the clinical advancement efforts in various areas such as utilizing nursing staff for routine sick appointments, tuberculosis screening and management, the care of those with Gender Dysphoria, and common clinical challenges in our detention environment.
3. Discuss the unique challenges of the IHSC detention setting, such as the transiency of our patient population, legal inquiries, infectious disease cases and hunger strikes.

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9:45 AM - 10:15 AM **Impact of Consent Policies on Adult Vaccination Reporting to Immunization Information Systems — United States, 2016/Vaccine Safety and Real World Data**
LT Neil C. Murthy, MD, MPH, MSJ, CDR JP Ahluwalia, MD, MPH

This session will explore the impact that patient consent policies have on reporting adult vaccinations to Immunization Information Systems (IIS, commonly known as vaccine registries), and will also explore other factors that may be contributing to low adult IIS participation rates. Additionally, the session will explore the role that real world data plays in vaccine safety and efficacy analysis at the Food and Drug Administration.

At the end of this session attendees will be able to:

1. Identify the factors that lead to low adult IIS reporting and explore the relationship between patient consent policies and adult IIS reporting.
2. Describe the role that spontaneous adverse events from the VAERS program play in the Food and Drug's evaluation of vaccine safety.
3. Articulate the potential role for large, health system claims data in providing vaccine efficacy and safety data to the Food and Drug Administration.

10:15 AM - 10:45 AM **Quarterly Assessment of State, Local and Territorial Zika Planning and Preparedness Activities — United States, June 2016–Jan 2017**
LCDR Bhavini P. Murthy, MD, MPH,

This presentation will present a snapshot of state, local, and territorial Zika preparedness activities from 53 U.S. jurisdictions selected based on the presence of competent mosquito vectors.

At the end of this session attendees will be able to:

1. Describe Zika planning and preparedness progress from June 2016 to July 2017
2. Identify domains with largest increases in Zika planning and response activities across the 53 jurisdictions
3. Explain the phases and transmission risk categories for Zika preparedness and response

10:45 AM - 11:15 AM **FDA's Perspective on Implanted Pacemaker and Defibrillator Technology including Benefits, Risks and, Now: Cybersecurity Vulnerabilities**
CAPT Brian Lewis, MD

What does it mean for patients when an implanted life-saving permanent pacemaker or defibrillator is prone to failure and "recalled"? We will walk through a brief, case-based, colorful review of the well-established benefits of pacemakers and defibrillators, some spectacular failures, some unexpected twists and turns and, most importantly, how FDA provides clinically appropriate risk communications at the time of recalls.

At the end of this session attendees will be able to:

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1. List the “Achilles heel” components of implantable pacemakers and defibrillators that are most prone to failure
2. Describe the basic analysis tools FDA uses to assess risk of failure in populations and individuals with affected implants
3. Explain what communications strategies are most helpful when FDA and industry must explain what’s the matter (and what to do) at the time of implantable pacemaker and defibrillator recalls

11:15 AM - 1:00 PM

Exclusive Exhibit Hall Time

Please use this time to visit our exhibitors. There will also be exhibitor showcases which some categories can receive continuing education for.

1:00 PM - 2:30 PM

Social Determinants of Health

Dr. Eduardo Sanchez

The American Heart Association’s 2020 and 2030 goals will be presented and discussed. The process of transitioning from 2020 to 2030 goals will be described.

At the end of this session attendees will be able to:

1. List and compare the seven components of Life’s Simple 7 and the science behind it.
2. Describe AHA’s measure of progress towards achieving its 2020 cardiovascular health objectives.
3. Explain transformation from AHA’s 2020 to 2030 goals and how that relates to insuring health for generations to come.

2:30 PM - 3:30 PM

PPAC Recruitment and Retention Roundtable Session

CAPT Brian Lewis, MD, LCDR Deborah Belsky, LCDR Matthew Daab, Dr. Barry Simon, MD, Moderator - LCDR Judith Eisenberg, MD, MS

A presentation of current efforts and challenges for recruitment and retention within the USPHS Physician category followed by a roundtable discussion to identify innovative, collaborative, and practical initiatives to address the challenges identified.

At the end of this session attendees will be able to:

1. Describe the data regarding the current status of USPHS physician recruitment and retention in the Commissioned Corps
2. Identify current barriers to recruitment and retention of USPHS physicians
3. Identify new, creative, and strategic initiatives to address the problems of recruitment and retention

3:30 PM - 4:00 PM

Pneumonia in New York City

CDR Neil Vora, MD

To describe pneumonia epidemiology in New York City (NYC) and explore why the pneumonia death rate might be higher in NYC than elsewhere in the country.

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At the end of this session attendees will be able to:

1. Explain how cause of death reporting is performed using death certificates.
2. Describe the role the setting of acquisition of pneumonia plays in deciding appropriate clinical and public health interventions
3. Name common infectious etiologies of pneumonia.

4:00 PM - 4:30 PM

Extrapulmonary Nontuberculous Mycobacterium Surveillance: Translating Data into Policy

LCDR David Shih, MD, MD, FACPM

This presentation will discuss the cost and utility of Oregon's nontuberculous Mycobacterium surveillance system and development of a nationwide case definition position statement, adopted by the Council of State and Territorial Epidemiologists at the 2017 annual meeting.

At the end of this session attendees will be able to:

1. Discuss basic Oregon NTM descriptive epidemiology.
2. Explain the benefits of developing a nationwide Council of State and Territorial Epidemiologists (CSTE) case definition.
3. Describe the process of developing a nationwide CSTE case definition.

4:30 PM - 5:00 PM

Heat-related illness and rhabdomyolysis – recurring health hazards for many occupations

LCDR Judith Eisenberg, MD, MS

This session will review heat-related illness (HRI) and rhabdomyolysis as documented by Health Hazard Evaluations in a variety of occupations. We will then review prevention strategies and newly developed training materials for these potentially life-threatening medical conditions.

At the end of this session attendees will be able to:

1. List the signs, symptoms, and diagnostic criteria for HRI (including heat stroke) and rhabdomyolysis
2. Identify occupations with inherent risk factors for HRI and rhabdomyolysis
3. Formulate prevention strategies and educational approaches for early identification of HRI and rhabdomyolysis

5:00 PM - 6:00 PM

PPAC Leadership Panel

CAPT Brian Lewis, MD, CAPT Dana Thomas, CAPT John Iskander, CDR Sara Luckhaupt, CDR JP Ahluwalia, MD, MPH

The Physician category leadership panel, consisting of the PAC co-chairs, Vice-chair, and Chief Professional Officers, will address the current state of physicians within the Public Health Service. Updates will be provided on ongoing issues related to recruitment and retention, special pays, clinical hours, and the promotion process. Opportunities to serve one's fellow PHS physicians will be highlighted.

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At the end of this session attendees will be able to:

1. Describe recent PHS policy changes related to Medical Special Pays
2. List three recruitment and retention challenges facing the PHS Medical Category
3. List two actions all PHS medical officers can take that can have a positive impact on the opioid epidemic