



**CDC's Public Health Grand Rounds Presents:**  
**"Changes in Clinical Diagnostics and Tracking Infectious Diseases"**

Tuesday, October 18, 2016

1:00 p.m. – 2:00 p.m. EDT

Global Communications Center (Building 19)

Alexander D. Langmuir Auditorium

Roybal Campus

When it comes to tracking infectious diseases and outbreaks, determining who is infected with a particular pathogen is the first step in solving the puzzle and stopping the spread of the disease. Traditionally, culture testing has been the primary means of identifying the specific pathogen. With this method, cultures must be evaluated in a lab setting, and results can take two or three days. Culture-independent diagnostic tests (CIDTs) are a new method for diagnosing infections, and they are often used to identify foodborne illness. CIDTs work by detecting the presence of a specific genetic sequence or antigen of a germ.

These newer tests are faster, and results are available much sooner than with traditional culture tests. However, CIDTs don't identify the exact organism that caused the illness, and they don't provide some of the more detailed information that culture tests can. For example, CIDTs don't tell us what specific strain of an illness someone has, or how it may respond to antibiotics. Using only CIDTs makes it more difficult to connect individual infections to the same strain and to identify outbreaks.

This session of Public Health Grand Rounds discusses how CIDTs are changing the landscape of diagnosing infectious disease. Speakers will also discuss how the tests are evolving, and how some states are adapting to using CIDTs in their public health systems.

**Presented By:**

**Chris Braden, MD**

*Deputy Director*

National Center for Emerging and Zoonotic Infectious Diseases, CDC

**"The Impact of Culture-independent Diagnostic Testing in Foodborne Diseases"**

**Alicia Cronquist, RN, MPH**

*Foodborne Disease Program Manager, Communicable Disease Branch*

Colorado Department of Public Health and Environment  
“**Managing New Diagnostic Tests in Colorado**”

**Brad Spring, BS**

*Vice President, Regulatory Affairs & Compliance*  
BD Life Sciences (representing AdvaMedDx)

“**Advancing Diagnostic Innovation and Public Health Needs**”

**John Besser, PhD**

*Deputy Chief, Enteric Diseases Laboratory Branch*  
Division of Foodborne, Waterborne, and Environmental Diseases  
National Center for Emerging and Zoonotic Infectious Diseases, CDC

“**Next Steps: Direct-from-specimen Testing to Characterize Pathogens**”

**Facilitated By:**

**John Iskander, MD, MPH**, *Scientific Director*, Public Health Grand Rounds

**Phoebe Thorpe, MD, MPH**, *Deputy Scientific Director*, Public Health Grand Rounds

**Susan Laird, MSN, RN**, *Communications Director*, Public Health Grand Rounds

**Continuing Education for Grand Rounds**

ALL Continuing Education hours for Public Health Grand Rounds (PHGR) are issued online through the [CDC/ATSDR Training and Continuing Education Online system](#). If you have questions, [e-mail](#) or call Learner Support at 1-800-418-7246 (1-800-41TRAIN).

Those who attend PHGR either in person, Envision, IPTV, or “web on demand” and who wish to receive continuing education must complete the online seminar evaluation. Thirty days from the initial seminar the course number will change to WD2346 and will be available for continuing education until February 18, 2018. The course code for PHGR is **PHGR10**.

Target Audience: Physicians, nurses, epidemiologists, pharmacists, veterinarians, certified health education specialists, laboratorians, others

Objectives:

1. List key measures of burden of disease involving morbidity, mortality, and/or cost.
2. Describe evidence-based preventive interventions and the status of their implementations.
3. Identify one key prevention science research gap.
4. Name one key indicator by which progress and meeting prevention goals is measured.

CE certificates can be printed from your computer immediately upon completion of your online evaluation. A cumulative transcript of all CDC/ATSDR CE’s obtained through the TCE Online System will be maintained for each user. We hope that this will assist CDC staff and other public health professionals to fulfill the requirements for their professional licenses and certificates.

**For Continuing Medical Education for Physicians (CME):**

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

The Centers for Disease Control and Prevention designates this live activity for a maximum of 1 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**For Continuing Nursing Education for Nurses (CNE):**

The Centers for Disease Control and Prevention is accredited as a provider of Continuing Nursing Education by the American Nurses Credentialing Center's Commission on Accreditation.

This activity provides 1 contact hours.

**For Continuing Education Contact Hours in Health Education (CECH):**

Sponsored by the Centers for Disease Control and Prevention, a designated provider of continuing education contact hours (CECH) in health education by the National Commission for Health Education Credentialing, Inc. This program is designed for Certified Health Education Specialists (CHES) and/or Master Certified Health Education Specialists (MCHES) to receive up to 1.0 total Category I continuing education contact hours. Maximum advanced level continuing education contact hours available are 0. CDC provider number **98614**.

**IACET Continuing Education Units (CEU):**

The Centers for Disease Control and Prevention is authorized by IACET to offer 0.1 CEU's for this program.



**For Continuing Pharmacy Education (CPE):**

(For EV2346 (SC) - live course)

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is a designated event for pharmacists to receive 0.1 CEUs in pharmacy education. The Universal Activity Number is 0387-0000-16-108-L04-P.

(For WD2346 -Web on demand)

The Centers for Disease Control and Prevention is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is a designated event for pharmacists to receive 0.1 CEUs in pharmacy education. The Universal Activity Number is 0387-0000-16-108-H04-P.

Course Category: This activity has been designated as knowledge-based.

Once credit is claimed, an unofficial statement of credit is immediately available on TCEOnline. Official credit will be uploaded within 60 days on the NABP/CPE Monitor.

**For AAVSB/RACE:**

This program was reviewed and approved by AAVSB RACE program for 1.0 hours of continuing education. Participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education.

Please contact the AAVSB RACE program if you have any comments/concerns regarding this program's validity or relevancy to the veterinary profession.

**For Certified Public Health:**

The Centers for Disease Control and Prevention is a pre-approved provider of Certified in Public Health (CPH) recertification credits and is authorized to offer 1 CPH recertification credits for this program.

CDC is an approved provider of CPH Recertification Credits by the National Board of Public Health Examiners. Effective October 1, 2013, the National Board of Public Health Examiners (NBPHE) accepts continuing education units (CEU) for CPH recertification credits from CDC. Please select CEU as your choice for continuing education when registering for a course on TCEOnline. Learners seeking CPH should use the guidelines provided by the NBPHE for calculating recertification credits. For assistance please contact NBPHE at <http://www.NBPHE.org>.

There is no cost for this program.

**Disclosure:** In compliance with continuing education requirements, all presenters must disclose any financial or other associations with the manufacturers of commercial products, suppliers of commercial services, or commercial supporters as well as any use of unlabeled product(s) or product(s) under investigational use.

CDC, our planners, presenters, and their spouses/partners wish to disclose they have no financial interests or other relationships with the manufacturers of commercial products, suppliers of commercial services, or commercial supporters. Planners have reviewed content to ensure there is no bias.

Content will not include any discussion of the unlabeled use of a product or a product under investigational use.

CDC did not accept commercial support for this activity.