



**CDC's Public Health Grand Rounds Presents:**

**“Dengue and Chikungunya in Our Backyard: Preventing Aedes Mosquito-Borne Disease”**

**An Encore Presentation**

Tuesday, July 19, 2016

1:00 p.m. – 2:00 p.m. EDT

*Aedes aegypti* and *Aedes albopictus* mosquitoes are the primary vectors for dengue, chikungunya, yellow fever, and Zika viruses. Taken together, these viruses account for almost 100 million cases of mosquito-borne disease per year. Globally, dengue is the most important mosquito-borne viral disease. In the last 50 years, incidence has increased 30-fold by expanding into new countries and new areas. Chikungunya often occurs in large outbreaks with high infection rates, affecting more than a third of the population in areas where the virus is circulating. In 2014, more than a million cases were reported worldwide. While Chikungunya disease rarely results in death, the symptoms can be severe and disabling.

Outbreaks of mosquito-borne diseases depend on many factors and are especially difficult to predict, prevent and control. Because there are no licensed vaccines available to prevent dengue, chikungunya, or Zika virus, controlling mosquito populations and reducing bites are currently the most effective prevention measures.

This session of Grand Rounds highlighted the importance of preventing *Aedes* mosquito-borne diseases and the need for improved diagnostic, prevention and control measures. This topic is especially important in light of the recent and ongoing outbreak of Zika virus.

**2016 Beyond the Data Interviews Presented by:**

**Ronald Rosenberg, ScD**

*Associate Director for Science, Division of Vector-Borne Diseases  
National Center for Emerging and Zoonotic Infectious Diseases, CDC*

**Sonja Rasmussen, MD, MS**

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“Dengue, Chikungunya and Other *Aedes* Mosquito-Borne Diseases”

**Thomas W. Scott, PhD**

*Professor and Director, Vector-Borne Disease Laboratory*  
Department of Entomology and Nematology  
University of California, Davis  
“The Status and Frontiers of Vector Control”

**Harold Margolis, MD**

*Branch Chief, Dengue Branch*  
Division of Vector-Borne Diseases  
National Center for Emerging and Zoonotic Infectious Diseases, CDC  
“Prevention Strategies for *Aedes* Mosquito-Borne Diseases”

**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***

**Grand Rounds is available for Continuing Education.**

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 0387-0000-16-105-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 0387-0000-16-105-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.

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CDC did not accept commercial support for this activity.