

Virginia Epidemiology Seminar Agenda

Wednesday, October 25, 2023

The Founders Inn

Virginia Beach, VA

8:30 a.m.

Registration

9:00 a.m.

Welcome and ‘State of Epidemiology in Virginia’

Laurie Forlano, DO, MPH

Director, Office of Epidemiology

9:15 a.m.

Welcome to Virginia Beach Health District

Caitlin S. Pedati, MD, MPH, FAAP

Health Director, Virginia Beach Health District

SESSION 1

Moderator – Caitlin S. Pedati, MD, MPH, FAAP

Health Director, Virginia Beach Health District

9:25 a.m.

Revisiting a Classic: June Wedding Post-Reception GI Illness, Virginia Beach, 2023

Anna Barringer, BS, CPH, District Epidemiologist

Virginia Beach Health District

By the end of this session, the participant will be able to:

- *Describe the importance of Epidemiology and Environmental Health working together during a foodborne illness outbreak investigation (FBI).*
- *Identify two organisms that contribute to FBI outbreaks.*
- *Name four best practices used to improve Foodborne outbreak investigations.*

9:45 a.m.

Surprised by Science: The Role of Whole Genome Sequencing in Multi-Drug Resistant Organism Outbreak Management, Virginia, 2023

Stacey Helberg, RN, Public Health Nurse III

Kristen Locklin, RN, Public Health Nurse III

Fairfax County Health Department

By the end of this session, the participant will be able to:

- *Review the response to when a local health department becomes aware of multi-drug resistant organism (MDRO) in high-risk facility.*
- *Highlight the value of ongoing collaboration with facility leadership and the infection prevention and control team.*
- *Discuss the role of whole genomic sequencing in multi-drug resistant organism (MDRO) investigations.*

- 10:05 a.m. **Apples to Apples: Using Genomic Comparison to Aid in an Outbreak Investigation**
Katelin Gali, MS, MLS, Senior Scientist
Division of Consolidated Laboratory Services
By the end of this session, the participant will be able to:
- *Improve understanding of whole genome sequencing (WGS).*
 - *Explain how WGS can be used to assist in an outbreak of antimicrobial resistant bacteria.*
 - *Demonstrate DCLS WGS surveillance and reporting system.*

10:25 - 10:40 a.m. **Break and Activity**

SESSION 2

Moderator – DaShaunda Taylor, PhD, MPH
Assistant Professor, Epidemiology, College of Health Sciences, School of Community and Environmental Health, Old Dominion University

- 10:40 a.m. **2022-2023 Statewide Outbreak of a Rare *Neisseria meningitidis* Serogroup Y Sequence Type**
Meredith Robinson, MSc, Vaccine Preventable Disease Program Coordinator,
Division of Surveillance and Investigation, Office of Epidemiology
Virginia Department of Health
By the end of this session, the participant will be able to:
- *Depict the clinical characteristics of meningococcal disease, including routes of transmission and methods for laboratory confirmation.*
 - *Communicate the epidemiologic traits of outbreak cases, including rare findings (e.g., high case-fatality rate, lack of common risk factor).*
 - *Describe methods for enhancing meningococcal disease case investigations and options for expanding access to the meningococcal conjugate vaccine for persons at increased risk during this outbreak.*

- 11:00 a.m. **Group A Streptococcus Outbreak Investigation in a Long-Term Care Facility, Virginia, 2023**
Clarissa Bonnefond, MPH, District Epidemiologist
Lord Fairfax Health District
By the end of this session, the participant will be able to:
- *List the methods used by public health to identify additional cases during a Group A Strep outbreak.*
 - *Describe multiple infection control practices that are recommended by public health to prevent the spread of Group A Strep in a long-term care facility.*
 - *Explain how whole genome sequencing complements the epidemiological investigation of a Group A Strep outbreak.*

- 11:20 a.m. **Scabies Exposure in Response to Delayed Diagnosis in an Acute Care Hospital**
Karen McGoldrick, MT(ASCP), CIC, CHOP, Infection Preventionist
Sentara Leigh Hospital
By the end of this session, the participant will be able to:
- *Identify the difference between normal scabies and crusted scabies.*
 - *Compare what protocols need to be followed to protect staff and patients when exposed to highly contagious crusted scabies vs regular scabies.*
 - *Evaluate all staff members that might be at risk of exposure to ensure prophylactic treatment in a timely manner after a crusted scabies exposure.*
- 11:40 a.m. **Evaluation of An Outbreak Investigation of Candida auris at Southside Medical Center**
E. Katrina Saphrey, MPH, District Epidemiologist
Crater Health District
Leann Carter, BSN, RN, Infection Preventionist
Ashley Cundiff, RN-BC, CIC, Infection Preventionist
Bon Secours-Southside Medical Center and Southern Virginia Medical Center
By the end of this session, the participant will be able to:
- *Understand etiology of C. auris transmission in an acute care setting.*
 - *Recognize the importance of the collaboration between Infection Prevention Teams in an acute care settings and VDH to curve transmission of communicable diseases.*
 - *Propose a novel approach to identify colonized cases during C. auris outbreak investigations.*
- 12:00 – 1:00 p.m. **Lunch and Networking**

SESSION 3

Moderator- Vanessa Walker Harris, MD
Director, Office of Family Health Services, Virginia Department of Health

- 1:05 p.m. **Nonfatal and Fatal Firearm Injury Surveillance in Virginia**
Erin Austin, MPH, Epidemiology Program Supervisor, Division of Population Health Data, Office of Family Health Services
Virginia Department of Health
By the end of this session, the participant will be able to:
- *Understand current surveillance efforts by the Virginia Department of Health for firearm injury.*
 - *Learn about trends for nonfatal and fatal firearm injuries in Virginia.*
 - *Know how to find data about firearm injuries in Virginia.*

- 1:25 p.m. **Associations Between Historical Redlining and Birth Outcomes in Virginia: A 2016-2020 Study**
Ksenia Primich, MPH, a-IPC, NHSN External Data Validation Specialist,
Division of Clinical Epidemiology, Office of Epidemiology
Virginia Department of Health
- By the end of this session, the participant will be able to:
- *Share the outline of what historical redlining is and how it affects health outcomes.*
 - *Discuss the association of historical redlining and adverse birth outcomes in affected areas of Virginia.*
 - *Raise important questions for new and needed research to strengthen work to understand, rectify, and prevent health inequities.*
- 1:45 p.m. **Disease Progression of a Chronic Mpox Case in the Crater Health District**
Courtney Ayers, BS, District Epidemiologist
Henrico County Health District
- By the end of this session, the participant will be able to:
- *List at least three symptoms of a typical Mpox infection.*
 - *Describe the steps of an Mpox investigation.*
 - *Define at least one factor that can put an individual at risk for a severe Mpox infection.*
- 2:05 p.m. **Local Investigation of Hepatitis C Labs: An Important and Worthwhile Effort**
Shawn Harper, BSN, RN, CIC, Public Health Nurse III
Fairfax County Health Department
- By the end of this session, the participant will be able to:
- *Correctly apply the hepatitis C case definition.*
 - *Understand limitations when interpreting the hepatitis C surveillance data without universal negative lab reporting.*
 - *Assess advantages and disadvantages to conducting local hepatitis C case investigations.*
- 2:25 – 2:40 p.m. **Break and Activity**

SESSION 4

Moderator – Ana Colón

Eastern Region Epidemiologist, Division of Surveillance and Investigation, Office of Epidemiology,
Virginia Department of Health

- 2:40 p.m. **Impacts of Data Modernization on Rabies Exposure Reporting and Public Health Response, Fairfax County, 2023**
Kirsten Kohl Hampshire, MPH, Environmental Health Specialist
Fairfax County Health Department
By the end of this session, the participant will be able to:
- *Identify the advantages of collecting exposure reports electronically.*
 - *Assess the dynamic needs of different reporting sources as they pertain to rabies exposure reporting.*
 - *Recognize how targeted education and outreach efforts can improve rabies exposure reporting compliance and Health Department response.*
- 3:00 p.m. **Cryptosporidiosis Outbreak Associated with Baby Calves at a State Prison Farm**
Emilie Schweikert, MPH, CHES, District Epidemiologist
Chesterfield Health District
By the end of this session, the participant will be able to:
- *Identify common modes of transmission for cryptosporidium.*
 - *Discuss risk factors for zoonotic disease transmission among prison farm workers.*
 - *Describe disease prevention best practices for dairy and cattle farms.*
- 3:20 p.m. **Highly Pathogenic Avian Influenza Response in Two Commercial Flocks in Rockingham County, Virginia, 2023**
Travis Oishi, MPH, District Epidemiologist
Central Shenandoah Health District
By the end of this session, the participant will be able to:
- *Describe the importance of a centralized record keeping system for persons under monitoring, after exposure to an HPAI response.*
 - *Identify the key players in an HPAI response.*
 - *Implement specimen collection processes for Influenza testing at DCLS, either within the LHD or with providers in the community.*
- 3:40 p.m. **Closing Remarks**
Voting for People's Choice Award
Brandy Darby, DVM, MPH, DACVPM
Director, Division of Surveillance and Investigation, Office of Epidemiology
Virginia Department of Health
- 4:00 p.m. **Award Presentations**
Grayson B. Miller, Jr., MD Award Presentation
Diane Woolard, PhD., Award Presentation
People's Choice Award Presentation

4:10 p.m.

Adjourn