



Agenda
Thursday, September 29, 2022
 Hampton Roads Convention Center
 Ballrooms A, B, & C
 Hampton, Virginia

Time	Sessions
8:30 a.m.	Registration
9:00 a.m.	Welcome and ‘State of Epidemiology in Virginia’ Lilian Peake, MD, MPH Director, Office of Epidemiology
9:15 a.m.	Welcome to Hampton Health District Natasha Dwamena, MD, MPH, FACOG Health Director, Hampton & Peninsula Health Districts
	SESSION 1 Moderator – Natasha Dwamena, MD, MPH, FACOG Health Director, Hampton & Peninsula Health Districts
9:25 a.m.	Salmonellosis in a 3-Year-Old Male with Hypoxic Ischemic Encephalopathy and Resultant Gastronomy Tube Dependence <ul style="list-style-type: none"> • Krysta “McKenna” Luzynski, MSc, Epidemiologist, Sr. Southside Health District <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Review disease characteristics of non-typhi, non-paratyphi serotype salmonellosis. 2. Discuss the importance of a robust public health investigation. 3. Describe the roles of epidemiologists in disease prevention and control.
9:45 a.m.	Validation and Implementation of Real-time PCR for Detection of MTBC/MAC: Examining Impacts to Virginia’s Public Health Laboratory and Department of Health <ul style="list-style-type: none"> • Rana Mehr, MS, Principal Scientist Division of Consolidated Laboratory Services

	<p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. At the end of this presentation, participants will be able to recognize the different mycobacterial nucleic acid amplification testing (NAAT) performed at DCLS. 2. Participants will be able to identify the benefits of the DCLS TB Laboratory's newly implemented testing algorithms. 3. At the end of this presentation, participants will be able to summarize the impacts of mycobacterial NAAT on individual patients and public health."
10:05 a.m.	<p>Missed Opportunities: An Evaluation of Reports of Latent Tuberculosis Infection (LTBI) Three Months or More From Sputum Collection for Evaluation for Tuberculosis (TB) Disease, Virginia, 2020-2021</p> <ul style="list-style-type: none"> • Laura Young, MPH, CIC, Tuberculosis Epidemiologist Division of Clinical Epidemiology, Office of Epidemiology <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Describe the differences between tuberculosis disease and tuberculosis infection 2. Describe the reporting requirements for tuberculosis disease and tuberculosis infection 3. Identify reporting and follow-up challenges and their potential impacts on tuberculosis elimination efforts.
10:25 – 10:40 a.m.	<p>Break and Virginia Trivia</p>
	<p style="text-align: center;">SESSION 2 Moderator – Stephanie Kellner, MPH, Regional Epidemiologist Junior, Division of Surveillance and Investigation</p>
10:40 a.m.	<p>Differences between Urban and Rural Mothers in Virginia: An Analysis of 2016-2020 VA Pregnancy Risk Assessment System Data</p> <ul style="list-style-type: none"> • Kenesha Smith Barber, MSPH, PhD, Community Health Epidemiology Program Manager Division of Population Health Data, Office of Family Health Services <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Describe maternal health disparities seen in urban and rural areas of Virginia. 2. Differentiate between adverse health outcomes that are more likely to be found among rural mothers in VA versus that of urban VA mothers.

	<ol style="list-style-type: none"> 3. Design similar studies to examine disparities among urban and rural populations using VA data. 4. Conclude, confirm, or revise the researcher's public health implications regarding urban/rural disparities among VA mothers.
11:00 a.m.	<p>Residence and Social Determinants of Health Near Hazardous Waste Sites in Virginia: Impact on Lung Cancer Clusters</p> <ul style="list-style-type: none"> • Rexford Anson-Dwamena, MPH, Epidemiologist Office of Health Equity <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Proximity to superfund site and lung cancer incidence and help determine the need for action 2. Social Determinants of Health indicators and lung cancer incidence 3. Show Lung Cancer Mortality hotspot areas in the state
11:20 a.m.	<p>Over-the-Counter Caution: Self-Harm Hospitalizations due to Acetaminophen Poisoning among Virginia Youth, 2016-2020</p> <ul style="list-style-type: none"> • Lauren Yerkes, MPH, CPH, Injury and Violence Prevention Epidemiologist Division of Population Health Data, Office of Family Health Services <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Evaluate the burden of self-harm hospitalizations due to acetaminophen poisoning among Virginia youth. 2. Learn how acetaminophen poisoning affects health outcomes, such as liver toxicity, and how many Virginia youth are impacted over the 2016-2020 time period. 3. Identify prevention efforts to reduce self-harm hospitalizations due to acetaminophen poisoning.
11:40 a.m.	<p>Using Cluster Detection and Response to Prevent the Spread of HIV in Western Virginia, 2021</p> <ul style="list-style-type: none"> • Christina Martone, MPH, Cluster Detection and Response Program Coordinator Division of Disease Prevention, Office of Epidemiology • Jennifer Johnson, BS, Disease Intervention Specialist Division of Disease Prevention, Office of Epidemiology <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Describe how the HIV Cluster Detection and Response (CDR) program at VDH uses genetically related HIV infections to identify clusters of recent and rapid HIV transmission in Virginia.

	<ol style="list-style-type: none"> 2. Recall the CDR efforts for a cluster detected in the Western region of Virginia. 3. Recognize how to build a rapport and use motivational interviewing skills.
12:00 – 1:30 p.m.	Lunch and Networking
	SESSION 3 Moderator – Alexandra Lorentz, PhD Genomic Epidemiology Laboratory Liaison Lead Scientist, Division of Consolidated Laboratory Services
1:30 p.m.	<p>Spatial Analysis of COVID-19 Incidence During the Delta (July 17-November 13, 2021) and Omicron (November 27-March 26, 2022) Waves</p> <ul style="list-style-type: none"> • Cali Anderson, MPH, COVID Epidemiologist Central Virginia Health District • Victoria Watson-Nichols, MPH, Assistant HAI Data Analyst Division of Clinical Epidemiology, Office of Epidemiology <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Identify the block groups within the Central Virginia Health District with the highest incidence of COVID-19 during both the Delta and Omicron waves. 2. Summarize the key demographic and socioeconomic factors that influence COVID-19 incidence within these disparate block groups. 3. Determine the best outreach strategies for future prevention of COVID-19 in these high incidence areas.
1:50 p.m.	<p>Piloting Wastewater-Based Surveillance of SARS-CoV-2 Variants in Virginia, 2021 - 2022</p> <ul style="list-style-type: none"> • Lauren Turner, PhD, Lead Scientist Division of Consolidated Laboratory Services <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Describe advantages and limitations of wastewater sequencing for population-based SARS-COV-2 variant surveillance. 2. Describe how the aggregation of surveillance data for wastewater differs from clinical testing data. 3. Describe a laboratory workflow for wastewater sequencing and additional tests that precede sequencing analysis.
2:10 p.m.	<p>Differentiating Persistently Positive COVID-19 Cases from Sars-Cov-2 Reinfection Utilizing Laboratory Evidence, Virginia, 2020 – 2021</p> <ul style="list-style-type: none"> • Haley Greene, MPH, CPH, Junior Regional Epidemiologist Division of Surveillance and Investigation, Office of Epidemiology

	<ul style="list-style-type: none"> Jenny Crain, MS, MPH, CPH, Genomic Epidemiologist Division of Surveillance and Investigation, Office of Epidemiology <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> After the session, the attendee will be able to highlight the value of conducting a real-time epidemiologic research study during an ongoing pandemic supported by genomic laboratory evidence during an ongoing pandemic. Participants will be able to understand the importance of whole genome sequencing (WGS) as a method for differentiating persistently positive COVID-19 cases from SARS-CoV-2 reinfection. Attendees will be able to compare the advantages and disadvantages of using genomic sequencing paired with case-level epidemiologic interview data to monitor genetic changes in the virus, over time, through enhanced surveillance of SARS-CoV-2 variants.
2:30 p.m.	<p>COVID-19 Vaccine Scheduling Support for Phase 1B and the Federal Retail Pharmacy Program, Virginia, 2021</p> <ul style="list-style-type: none"> Jenae Davis, MPH, Crosscutting Epidemiology Program Coordinator Division of Surveillance and Investigation, Office of Epidemiology <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> Compare the advantages and disadvantages of using REDCap scheduling for mass vaccination events. Explain the role of both VDH and Deloitte to meet the needs of scheduling vaccinations. List the processes of using REDCap and R-Studio to generate reports for the projects."
2:50 – 3:05 p.m.	<p>Break and Public Health Trivia</p>
	<p style="text-align: center;">SESSION 4 Moderator – Julia Murphy, DVM, MS, DACVPM State Public Health Veterinarian, Division of Surveillance and Investigation, Office of Epidemiology</p>
3:05 p.m.	<p>Mass Rabies Exposure Event Linked to Horse Farm in Montpelier, Virginia</p> <ul style="list-style-type: none"> Alex Neal, BS, Epidemiologist Sr. Chickahominy Health District Abi Nimitz, BSN, RN, Communicable Disease Nurse Chickahominy Health District

	<p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Recognize scenarios that present unique risk factors that contribute to large rabies exposure events. 2. Identify educational opportunities to prevent large rabies exposure events. 3. Be prepared to respond to mass rabies exposure events.
3:25 p.m.	<p>Multi-strain Shiga Toxin-Producing E. Coli Outbreak Associated with Agritourism in Loudoun County, Virginia</p> <ul style="list-style-type: none"> • Kevin Embrey, MPH, District Epidemiologist Loudoun Health District <p><u>Learning Objectives:</u></p> <ol style="list-style-type: none"> 1. Identify 3 main risk factors for STEC infection in agritourism settings 2. Discuss the role of whole genomic sequencing in zoonotic outbreak investigations 3. Describe 3 disease prevention best practices for agritourism settings
3:45 p.m.	<p>Cryptosporidium Parvum Outbreak Associated with Raccoons at a Wildlife Facility</p> <ul style="list-style-type: none"> • Brandy Darby, DVM, MPH, DACVPM, Veterinary Epidemiologist Division of Surveillance and Investigation, Office of Epidemiology <p><u>Learning Objectives</u></p> <ol style="list-style-type: none"> 1. Become familiar with commonly recognized animal reservoirs of Cryptosporidium parvum. 2. Review common modes of transmission for Cryptosporidium parvum. 3. Appreciate that raccoons might be an under-recognized source of cryptosporidiosis; human and animal healthcare providers should consider cryptosporidiosis in patients with raccoon exposures and gastrointestinal illness.
4:05 p.m.	<p>Katherine McCombs, MPH Deputy Director, Division of Surveillance and Investigation, Office of Epidemiology</p> <p>Closing Remarks Voting for People’s Choice Award</p>
4:15 p.m.	<p>Award Presentations Grayson B. Miller, Jr., MD Award Presentation Diane Woolard Award Presentation People’s Choice Award Presentation</p>

4:30 p.m	Adjourn
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