

Sarah File Lineberger, MPH

Curriculum Vitae

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EDUCATION

- 2012 **Emory University, Rollins School of Public Health**, Atlanta, Georgia
Master of Public Health in Global Epidemiology
Thesis: Prevalence of depression and associated risk factors among HIV-negative men who have sex with men
- 2007 **Wake Forest University**, Winston-Salem, North Carolina
Bachelor of Science in Biology, *cum laude*
Minors in Chemistry and Studio Art

INTERNATIONAL EDUCATION

- 2009 **Tulane University, School of Public Health and Tropical Medicine**, Shanghai, China
Completed graduate courses taught by Tulane SPHTM professors. Final project on the prevalence and contributing factors of tobacco use in China as compared to the United States.
- 2005 **Danish Institute for Study Abroad**, Copenhagen, Denmark
Program included Marine Biology & Ecology courses taught by Danish scientists.

PROFESSIONAL EXPERIENCE

December 2016 – Present

Healthcare-Associated Infections Program Manager

Healthcare-Associated Infections and Antimicrobial Resistance Program

Virginia Department of Health (VDH)

Office of Epidemiology (OEpi)

Division of Surveillance and Investigation

Richmond, Virginia

- Manage HAI program and staff; supervise five employees
- Oversee implementation of HAI grant objectives for the Epidemiology and Laboratory Capacity for Infectious Diseases Cooperative Agreement; wrote 2017-2018 grant application and prepare progress updates
- Recruited Antibiotic Resistance Coordinator, Antibiotic Resistance Epidemiologist, HAI Epidemiologist, CDC/CSTE Applied Epidemiology Fellow, HAI Program Assistant (2017)
- Member of committee updating the Virginia Regulations for Disease Reporting and Control
- Respond to HAI data, media, and Freedom of Information Act requests; create slides for agency leadership
- Participate in HAI/AR outbreak and case investigations; coordinate efforts with state public health laboratory; consult CDC subject-matter experts as needed
- Serve as VDH lead for the Virginia HAI Advisory Group; lead Annual Priority Workgroup
- Directing the development of a new database to track HAI communication and contact information
- Directed efforts to overall VDH HAI/AR website and newsletter
- Serve as part of OEpi 24-hour on-call rotation

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August 2016 – December 2016

July 2015 – December 2016

Acting Healthcare-Associated Infections Program Coordinator

Healthcare-Associated Infections Epidemiologist

Virginia Department of Health (VDH)

Office of Epidemiology (OEpi)

Division of Surveillance and Investigation

Richmond, Virginia

- Analyzed HAI data from the National Healthcare Safety Network (NHSN); created visualizations to describe the burden of HAIs in Virginia; developed talking points for leadership and media requests
- Co-authored 2015 Virginia Healthcare-Associated Infections Report
- Conducted quality assurance (QA) on NHSN data from 82 acute care hospitals; developed template for hospital-specific quarterly reports
- Provided training and technical assistance on HAI surveillance and NHSN data for audiences in acute care facilities and health departments
- Responded to HAI data requests from districts and partners; support Freedom of Information Act requests
- Mentored CDC/CSTE Applied Epidemiology Fellow (August – December 2016)
- Participated actively in Virginia HAI Advisory Group meetings; leading Data Workgroup (July 2016 – present)
- Wrote and edited articles for monthly VDH HAI Program newsletter for hospital infection preventionists and other stakeholder groups; composed NHSN Notes section
- Updated content for VDH HAI website
- Served as part of OEpi 24-hour on-call rotation
- Composed sections for OEpi annual surveillance report: 2015 (HAI, HAI outbreaks, VISA/VRSA)
- Supervised summer intern (May – August 2016)
- Co-chaired initiative to organize Division library (2016)
- Shadowed Infection Preventionists (2016)
- Completed VDH Spokesperson/Media Training (2016)
- Supported HAI outbreak and case investigations as needed

April 2014 – July 2015

Assistant Foodborne Disease Epidemiologist

Virginia Department of Health (VDH)

Office of Epidemiology (OEpi)

Division of Surveillance and Investigation

Richmond, Virginia

- Organized VDH Pulse Field Gel Electrophoresis (PFGE) enteric disease cluster investigations, including case follow-up, data collection and evaluation; developed and analyzed investigation-specific questionnaires
- Conducted surveillance for vibriosis and listeriosis infections within Virginia; maintained database of cases and performed quality assurance of data; participated in national *Vibrio* Working Group

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- Drafted updated VDH Disease Control Manual chapter for vibriosis
- Created new fact sheets on *Vibrio* infection and *Vibrio parahaemolyticus*
- Composed sections for OEpi annual surveillance report: 2013 (listeriosis, vibriosis) and 2014 (listeriosis, vibriosis, shigellosis)
- Developed cluster investigation classification system to facilitate grant metrics; edited foodborne section of 2015 Epidemiology and Laboratory Capacity grant application
- Created talking points to support enteric legislative activities and media requests
- Represented VDH at regional and national RRT meetings
- Supported Freedom of Information Act requests
- Interviewed Thomas Jefferson Health District residents as part of a CASPER
- Served as part of OEpi 24-hour on-call rotation

August 2012 – April 2014

CDC/CSTE Applied Epidemiology Fellow, Healthcare Associated Infections

**West Virginia Department of Health and Human Resources (DHHR)
Bureau for Public Health (BPH)**

Office of Epidemiology and Prevention Services

Division of Infectious Disease Epidemiology (DIDE)

Charleston, West Virginia

- Evaluated West Virginia's surveillance system for respiratory outbreaks in long-term care facilities
- Led planning and conducted passive and active field surveillance for one of the largest mass gatherings in WV history, 2013 National Scout Jamboree; co-authored final agency epidemiology report
- Analyzed syndromic emergency department and on-site active and passive surveillance data, 2013 National Scout Jamboree
- Outbreak lead investigator for the DIDE as part of monthly rotation
- Consulted on all infectious disease phone calls from facilities, providers, local health, and the general public as part of daily epidemiology rotation for the DIDE
- Assessed current infection control practices for *Clostridium difficile* infection and carbapenem-resistant *Enterobacteriaceae* in hospitals and long-term care facilities
- Surveyed all laboratories that serve WV hospitals and long-term care facilities on laboratory testing practices for carbapenem-resistant *Enterobacteriaceae*
- Developed and presented a 2.5 hour training course on an outbreak of influenza and streptococcal pharyngitis in a school setting
- Interviewed WV residents affected by the 2014 Elk River Chemical Spill as part of a CASPER
- Facilitated DIDE After Action Review following the 2014 Elk River Chemical Spill and summarized findings
- Member of WV HAI Multidisciplinary Advisory Group
- Served on hiring panel for new HAI Coordinator
- Shadowed Infection Preventionists

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September 2011 – July 2012

ORISE Research Fellow

**Centers for Disease Control and Prevention (CDC)
National Center for Emerging and Zoonotic Infectious Diseases
One Health Office (OHO)**

Atlanta, Georgia

- Traveled to Nairobi, Kenya, to partner with CDC veterinary epidemiologist and Kenyan officials; authored a paper detailing the formation of the Zoonotic Disease Unit within the Government of Kenya
- Developed One Health core competencies; supported and communicated with One Health Training Workgroup of experts
- Granted funding by the Oak Ridge Institute for Science and Education (ORISE), United States Department of Energy

August 2011 – December 2011

Graduate Teaching Assistant, Case Studies in Infectious Disease

Emory University, Rollins School of Public Health

Atlanta, Georgia

July 2011 – September 2011

Research Assistant

Emory Preparedness and Emergency Response Research Center

Atlanta, Georgia

May 2011 – August 2011

Basic and Girls' Education (BGE) Intern

CARE USA

Atlanta, Georgia

- Granted funding by the Servant Leadership Summer internship program, Emory University Center for Ethics

February 2011 – June 2011

Epidemiology Assistant, Outbreak Investigation Acanthamoeba Keratitis

Centers for Disease Control and Prevention

Division of Foodborne, Waterborne, and Environmental Diseases

Atlanta, Georgia

August 2007 – June 2010

Science and Math Teacher

Saint James School

Hagerstown, Maryland

- Taught ninth and tenth grade biology to 30 students (2007-2010), eighth grade pre-algebra to 6 students with limited math ability (2007-2010), twelfth grade anatomy & physiology to 12 students (2009-2010)

VOLUNTEER EXPERIENCE

April 2017 – Present

Volunteer, Cystic Fibrosis Foundation, Virginia Chapter

- *Richmond's Finest Honoree*, Brewer's Ball fundraiser (2018)
- *Team Leader*, Great Strides fundraiser (2017 – Present)

September 2016 – Present

Mentor, Emory University, Rollins School of Public Health

- Mentor one Rollins epidemiology graduate student each year

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September 2016 – Present	<i>Member, Loyal DEAC Alumni Association, Wake Forest University</i> • Plan Richmond alumni events
January 2015 – Present	St. John's Episcopal Church , Richmond, Virginia • <i>Member</i>, Pastoral Care Committee (January 2015 – Present) • <i>Member</i>, Search Committee for Priest-in-Charge (November 2016 – March 2017) • <i>Member</i>, Stewardship Committee (August 2015 – January 2016) • <i>Member</i>, Lay Advisory Committee for Deacon School Intern (January – December 2015)
March – June 2017	<i>Role Model, Seven Hills School</i> , Richmond, Virginia • Mentored middle school student completing capstone project on career in epidemiology
September 2010 – May 2012	Student Outbreak and Response Team Emory University, Rollins School of Public Health • <i>Secretary</i> (January 2011 – January 2012) • <i>Volunteer Staff</i>, CDC Emergency Operations Center, Haiti Cholera Outbreak Response
January 2012 – May 2012	<i>Classroom to Community Teacher</i> Emory University, Rollins School of Public Health
January 2011 – May 2012	<i>Student Ambassador</i> Emory University, Rollins School of Public Health

ADDITIONAL TRAINING

- Infection Control Part 2, Statewide Program for Infection Control and Epidemiology (SPICE), Chapel Hill, NC (2017)
- National Healthcare Safety Network (NHSN) Training, Atlanta, GA (2016, 2017)
- CDC: Community Assessment for Public Health Emergency Response (CASPER), Charleston, WV (2014)
- National Incident Management System (NIMS) Incident Command System (ICS) 300, 400, Charleston, WV (2014)
- Society for Healthcare Epidemiology of America (SHEA): Basic Training in Healthcare Epidemiology, Atlanta, GA (2013)

PUBLICATIONS

- Mbabu M, Njeru I, **File SE**, Osoro E, Kiambi S, Bitek A, Ithondeka P, Kairu-Wanyoike S, Sharif S, Gogstad E, Gakuya F, Sandhaus K, Munyua P, Montgomery J, Breiman RF, Rubin C, Njenga MK. Establishing a One Health office in Kenya. *Pan African Medical Journal* 2014;19(106).

ABSTRACTS

- Lessons Learned: Use of the Healthcare-Associated Infections Data Analysis and Presentation Standardization Toolkit to publish the first annual statewide and hospital-specific National Healthcare

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- Safety Network report, Virginia, 2016. Haque M, **Lineberger S**, Alvarez A. CSTE Annual Conference, Boise, ID, 2017. (Poster)
- Virginia hospitals show improvement meeting seven core elements of Antibiotic Stewardship Programs, 2014-2015. Haque M, Jamerson C, **Lineberger S**. CSTE Annual Conference, Boise, ID, 2017. (Poster)
- Regional outbreak of multidrug-resistant *Acinetobacter baumannii*, West Virginia, 2012-2013. **File SE**, Ibrahim SM, Trickett MD, Scott MA, Thomas CA, Bixler D. CSTE Annual Conference, Nashville, TN, 2014. (Oral)
- Emergency department syndromic surveillance surrounding an outdoor mass gathering – West Virginia, 2013. **File SE**, Nair AS, Wickert MR, McBee SM, Bixler D. CSTE Annual Conference, Nashville, TN, 2014. (Oral)
- Managing an influenza outbreak at an outdoor mass gathering – West Virginia, 2013. McBee SM, **File SE**, Mark-Carew MP, Tressler SR. CSTE Annual Conference, Nashville, TN, 2014.
- Detection of infectious disease outbreaks at an outdoor mass gathering – West Virginia, 2013. Thomasson ER, McBee SM, **File SE**, Bixler D. CSTE Annual Conference, Nashville, TN, 2014.
- Evaluation of West Virginia's surveillance system for respiratory outbreaks in long-term care facilities. **File SE**, Ibrahim SM, Bixler D. CSTE Annual Conference, Pasadena, CA, 2013. (Poster)

ADDITIONAL PRESENTATIONS

- Emerging Healthcare-Associated Infections. **Lineberger S**, Jamerson C. Monthly Statewide Epidemiology Call, Richmond, VA, 2017. (Webinar)
- Sneak Peak: The 2015 Virginia HAI Annual Report. **Lineberger S**, Haque M. Presented to local health districts and infection preventionists, Richmond, VA, 2016. (Webinar)
- Healthcare-Associated Infections. **Lineberger S**. Epidemiology Program Overview, Richmond, VA, 2016. (Oral)
- Exciting, challenging times in the HAI world! **Lineberger S**, Haque M, Jamerson C, Levine S. Monthly State Epidemiology Call, Richmond, VA, 2016. (Webinar)
- Surveillance Strategies for Success Part 4: 2016 Annual Training Updates. **Lineberger S**, McGoldrick K. Webinar series for hospital infection preventionists, Richmond, VA, 2016. (Webinar)
- Surveillance Strategies for Success Part 1: What's New in NHSN for 2016. Alvarez A, **Lineberger S**. Webinar series for hospital infection preventionists, Richmond, VA, 2016. (Webinar)
- Antibiotic Stewardship. Alvarez A, Jamerson C, **Lineberger S**, Haque M. Monthly State Epidemiology Call, Richmond, VA, 2015. (Webinar)
- Review of 2015 CLABSI Data in Virginia. **Lineberger S**. October VHQC Monthly Sharing Call with hospital infection preventionists, Richmond, VA, 2015. (Webinar)
- Continued monitoring by Rapid Response Team leads to 3rd recall of GoodSeed Sprouts. Bungo E, Brennan C, Rosner J, **Lineberger S**, Turner L, Dela Cruz S. Annual FDA Rapid Response Team Meeting, New Orleans, LA, 2015. (Poster)
- Vibriosis in Virginia, 2005–2014. **Lineberger S**. Monthly State Epidemiology Call, Richmond, VA, 2015. (Webinar)
- Evaluation of West Virginia's surveillance system for respiratory outbreaks in long-term care facilities. **File SE**. West Virginia State Public Health Association Annual Conference, Snowshoe, WV, 2013. (Oral)
- Skin infection outbreaks as part of webinar on "Tools for Investigating Infectious Disease Outbreaks". **File SE**. Presented to local health departments, Charleston, WV, 2013. (Webinar)
- "Achoo! What to do? Respiratory Outbreaks in Long-Term Care Facilities". **File SE**. Presented to long-term care facility staff in conjunction with West Virginia Medical Institute, Charleston, WV, 2013. (Webinar)

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- Outbreak of influenza and streptococcal pharyngitis in a school setting. **File SE.** West Virginia Public Health and Medical Preparedness Conference, Charleston, WV, 2013. (Oral)

HONORS AND AWARDS

- Richmond's Finest Honoree, Cystic Fibrosis Foundation (2018)
- FDA Leveraging Collaboration Award; member of *Salmonella Newport* and *S. Javiana* Outbreak Response Group (2015)
- WV DHHR and BPH recognition, National Scout Jamboree (2013)
- Stanley O. Foster Award for Exceptional Master's Thesis Poster, Rollins School of Public Health (2012)
- Lettie Pate Whitehead Scholarship, Rollins School of Public Health (2011-2012)
- Dean's List, Wake Forest University (2003-2007, every semester)
- Alpha Epsilon Delta, Pre-Medical Honor Society, Wake Forest University (2006)
- Beta Beta Beta, National Biological Honor Society, Wake Forest University (2004)
- West Virginia Golden Horseshoe Award (1999)

PROFESSIONAL ORGANIZATIONS

- Council of State and Territorial Epidemiologists (CSTE), 2012 – Present
- CSTE HAI Subcommittee, 2012 – Present

TECHNICAL SKILLS

National Healthcare Safety Network (NHSN), SAS, Epi Info 7, REDCap, ArcGIS, Virginia Electronic Disease Surveillance System (VEDSS), ESSENCE, Microsoft Office

REFERENCES

Available upon request