A two-year fellowship program that provides hands-on training in the field of applied epidemiology at a state or local health agency under the guidance of experienced mentors.
CSTE Fellowship

The CSTE Applied Epidemiology Fellowship was created in 2003 to strengthen the workforce in applied epidemiology at state and local health agencies. The Council of State and Territorial Epidemiologists (CSTE), in collaboration with the Centers for Disease Control and Prevention (CDC), the Health Resources and Services Administration (HRSA), the Substance Abuse and Mental Health Service Administration (SAMHSA), and the Association of Schools and Programs of Public Health (ASPPH), support the two-year fellowship program to give recent graduates rigorous preparation and advanced training for successful careers as state or local applied epidemiologists.

Training and Host Health Agency
Closely designed after the Epidemic Intelligence Service (EIS) program and using a mentorship model, the CSTE Applied Epidemiology Fellowship offers a unique opportunity for graduates to acquire and develop epidemiologic skills during a high quality, on-the-job training program in public health practice. Host health agencies have demonstrated capacity to provide an Applied Epidemiology Fellow with technical training, research opportunities, and practical experience in the application of epidemiologic methods at the state and local level.

Fellows are matched to a state or a local health agency based on their interests and available host site positions.

Program Areas
Behavioral Health  Chronic Diseases  Environmental Health
Infectious Diseases  Injury  Maternal and Child Health
Occupational Health  Oral Health  Substance Abuse

Eligibility
Applicants are required to have the following:
- An MPH, MSPH, MS in epidemiology, or an equivalent degree or advanced degree in a health related field (i.e. PhD in epidemiology, biostatistics, or other public health field; an MD degree; or a DVM degree).
- Completed at least four advanced graduate-level epidemiology courses and one graduate level biostatistics course.
- Desire to pursue a long-term career at the state or local level.
- United States citizenship.

Application Process
All applications that meet minimum requirements are formally evaluated by a review committee. The review committee includes representatives from CSTE staff, ASPPH affiliates, and persons with past or current experience working as an epidemiologist in a state or local health department. Criteria for evaluating the applications comprise the following:
- Academic achievement
- Writing skills
- Letters of Recommendation / transcripts
- Work/research experience
- Career goals
- Analytic skills
Nadia Al-Amin, MPH  
**Subject Area:** Behavioral Health  
**Highest Degree Obtained:** MPH, Epidemiology, Georgia State University  
**Host Site:** SAMHSA Region V Office  
**Primary Mentor:** Jim Lando, MD, MPH  
**Secondary Mentor:** Jeff Coady, PsyD  

**Why you chose the CSTE fellowship:** I chose the CSTE fellowship because, as a recent graduate, I wanted an opportunity that would allow for a smooth transition from an academic setting to a professional applied epidemiology setting. This fellowship is ideal for someone early in their professional career, like myself. The competency-based structure guarantees well-rounded training and preparation for future projects. Additionally, working with two highly experienced mentors and gaining exposure to the many networks and resources available to fellows will be greatly advantageous for advancing my career and education.

**Future plans after the fellowship:** Following the fellowship, I plan to pursue my PhD in Mental Health Epidemiology and work to eliminate health disparities in mental health care and substance abuse treatment among racial and ethnic minorities.

Christine Andrews, RN, MPH  
**Subject Area:** Behavioral Health  
**Highest Degree Obtained:** MPH, Epidemiology, Georgia State University  
**Host Site:** State of Alaska, Section of Epidemiology, Health and Social Services  
**Primary Mentor:** Joe McLaughlin, MD, MPH  
**Secondary Mentor:** Deborah Hull-Jilly, MPH  

**Why you chose the CSTE fellowship:** Transitioning from a student to practitioner in my previous nursing role made me realize the importance of support and education during the transition from student to professional in any field. I selected the CSTE Applied Epidemiology Fellowship because of the intensive mentoring and work development opportunities. The CSTE fellowship will help me learn to apply the epidemiological concepts learned in school, in ways relative to the public health field.

**Future plans after the fellowship:** Post-fellowship, I intend to continue with a public health role at the state level. My long term goals include a terminal degree and advancement within the field of epidemiology.
Sean-Paul A. Claypool, MPH  
**Subject Area:** Environmental Health – Waterborne  
**Highest Degree Obtained:** MPH, Epidemiology, San Diego State University  
**Host Site:** Ohio Department of Health  
**Primary Mentor:** Mary DiOrio, MD, MPH  
**Secondary Mentor:** Mary Clifton, MA

**Why you chose the CSTE fellowship:** I chose the CSTE Applied Epidemiology Fellowship as the culminating experience of my efforts to transition careers into applied epidemiology. The mentorship, formalized training, competencies, and hands-on experience the fellowship provides will expand and strengthen my skills in public health. I appreciate that the fellowship’s cross-cutting structure allows for a broad exposure to different aspects of public health practice, and I believe that it will allow me to apply my academic knowledge into immediate action to improve health and safety of our communities.

**Future plans after the fellowship:** After completing the fellowship, I plan to continue serving the public directly as an epidemiologist at the state or local level.

Natalie Demeter, MPH  
**Subject Area:** Environmental and Occupational Health  
**Highest Degree Obtained:** MPH, Epidemiology, University of California, Los Angeles  
**Host Site:** California Department of Public Health  
**Primary Mentor:** Robert Harrison, MD, MPH  
**Secondary Mentor:** Martin Kharrazi, PhD, MPH

**Why you chose the CSTE fellowship:** The CSTE Applied Epidemiology Fellowship provides an excellent opportunity to continue and expand on my training in epidemiology, while meaningfully contributing to public health practice. The competency-based approach will ensure my involvement in a wide variety of public health department activities to best prepare me for a career in applied epidemiology. By learning from two outstanding mentors, the training and skills gained from this fellowship will allow me to become a public health leader ready to tackle the health challenges faced by our communities.

**Future plans after the fellowship:** Upon completion of the fellowship, I intend to pursue a career in applied epidemiology at the state or local level. Additionally, I plan to continue my education by completing a doctoral degree in epidemiology.
Kayla Donohue, MPH
Subject Area: Infectious Diseases - HAI
Highest Degree Obtained: MPH, Epidemiology and Environmental Health, Boston University
Host Site: Vermont Department of Health
Primary Mentor: Patsy Kelso, PhD
Secondary Mentor: Margaret Wilson, BSN, MPH

Why you chose the CSTE fellowship: I chose the CSTE Applied Epidemiology Fellowship because it offered a unique opportunity to gain in-the-field experience with individualized guidance and support from experienced mentors. This fellowship is designed to bridge the gaps between the classroom and the field to enhance the overall capacity of the next generation of the epidemiology workforce. Along with the necessary tools and experience, this fellowship also provides me with access to numerous professional development opportunities and networking outlets. I seek to gain as much experience as possible now, so that I will be able to make the most impactful contribution to the Vermont community I am currently serving and those I will serve throughout my career in public health.

Future plans after the fellowship: After successfully completing the fellowship, I plan to continue my career in infectious disease epidemiology at the local, state, or federal level. In addition, I plan to continue my education by completing a doctoral degree in epidemiology.

Shana Geary, MPH, CPH
Subject Area: Injury
Highest Degree Obtained: MPH, Epidemiology & Maternal and Child Health, University of South Florida
Host Site: North Carolina Department of Health and Human Services
Primary Mentor: Kathleen Shapley Quinn, MD
Secondary Mentor: Scott Proescholdbell, MPH

Why you chose the CSTE fellowship: The CSTE Applied Epidemiology Fellowship offers a unique opportunity and an excellent transition from graduate school into the public health work force. Through the fellowship, I will be able to build upon the skills and epidemiologic knowledge I developed in school while gaining invaluable experience from working directly with experienced mentors at the state level. The fellowship will expose me to a diverse range of projects, including outbreak investigation, emergency preparedness, surveillance evaluation, and more. This exposure will build my capacity within epidemiology and will better prepare me to work within an applied epidemiology setting.

Future plans after the fellowship: After the fellowship I intend to work as an epidemiologist at the state or federal level addressing injury related public health problems.
Zachary Heth, MPH  
**Subject Area:** Infectious Diseases  
**Highest Degree Obtained:** MPH, Epidemiology, Emory University  
**Host Site:** Cook County Department of Public Health, Forest Park, IL  
**Primary Mentor:** Demian Christiansen, DSc, MPH  
**Secondary Mentor:** Kelley Bemis, MPH

**Why you chose the CSTE fellowship:** I thought of the CSTE fellowship as not only a great experience to learn from mentors and apply my epidemiological training, but also as a way to explore the various opportunities within epidemiology. I thought this because the CSTE Applied Epidemiology Fellowship provides a fantastic transition from academia to the real work of government health employees and provides us, the fellows, with the ability to learn from experienced mentors while continuing to develop our skills as epidemiologists and explore different aspects of epidemiology. I also know from experience that working at local and state level agencies can be very rewarding and the closer you are to the people you serve the better you can understand their needs. Working at the county level, I will be able to interact with both city level and state level health agencies and have the opportunity to work in a variety of settings and on projects I never thought I would, which is incredibly exciting!

**Future plans after the fellowship:** After completing the fellowship, I hope to continue working at the state, territorial, or local capacity in responding to health challenges. I would also like to continue my education and bring back even more knowledge to state and territorial health departments.

Alexandra Ibrahim, MPH  
**Subject Area:** Infectious Diseases - HAI  
**Highest Degree Obtained:** MPH, Maternal and Child Health Epidemiology, University of Illinois at Chicago  
**Host Site:** Hawaii State Department of Health  
**Primary Mentor:** Melissa Viray, MD  
**Secondary Mentor:** Zeshan Christy, MPH

**Why you chose the CSTE fellowship:** I chose the CSTE fellowship as a means to bridge the gap between classroom-based public health theory and real world application and practice. The invaluable opportunity to work collaboratively alongside two accomplished mentors was a huge pull for me as such an opportunity is not typically afforded to recent graduates. The continual learning fostered by this environment will allow me to grow professionally while contributing to meaningful public health projects in Hawaii. As most of my previous experience has been in chronic epidemiology, I am excited to have the opportunity to do infectious disease in order to round out my training. Additionally, as the CSTE fellowship is highly respected in the professional community, I feel that my fellowship will provide for me the quality experience necessary to be a competitive applicant for long term career placement.

**Future plans after the fellowship:** After the fellowship, I plan to apply my analytic skills to seeking innovative, data based solutions to community needs at the state or local level.
Amanda Koch, MPH
Subject Area: Environmental Health - Waterborne
Highest Degree Obtained: MPH, Epidemiology, University of Illinois at Chicago
Host Site: Wisconsin Department of Health Services
Primary Mentor: Sarah Koske, DVM, MPH
Secondary Mentor: Jonathan Meiman, MD

Why you chose the CSTE fellowship: After completing graduate-level courses in Public Health Surveillance and Outbreak Investigation/Field Epidemiology and conducting HIV behavioral surveillance research, it became clear to me that applied epidemiology was the field in which I wanted to pursue a future. I applied for the CSTE fellowship because it is simply the finest training a recent MPH graduate can obtain in the field. I look forward to receiving exceptional guidance and a highly valuable and practical skillset that will prepare me for a lifelong career as an epidemiologist in the public sector.

Future plans after the fellowship: I hope to continue working in an applied epidemiology setting at the county, state, or federal level with a primary focus in environmental and communicable disease surveillance and outbreak investigation.

Julia Latash, MPH
Subject Area: Infectious Diseases – Food Safety
Highest Degree Obtained: MPH, Epidemiology, Emory University
Host Site: New York City Department of Health and Mental Hygiene
Primary Mentor: Sharon Balter, MD
Secondary Mentor: Vasudha Reddy, MPH

Why you chose the CSTE fellowship: Public service has always been incredibly important to me, and having previously worked on health issues at the federal level, I knew that after graduation I wanted to pursue more on-the-ground work at a state or local health department. I liked that the fellowship is structured around core competencies, which ensure a broad range of experiences and provide a concrete framework to hone applied epidemiology skills, while also affording me the opportunity to contribute to community health in a meaningful way. Moreover, I appreciated the fellowship’s emphasis on mentorship and professional development in providing a strong foundation in public health practice.

Future plans after the fellowship: I hope to continue working at the municipal, county, or state level to address health disparities and other health concerns. I also aim to help bridge the worlds of public health and public policy through the implementation of evidence-based programs and by tackling issues related to the social determinants of health.
Mi Lee, MPH  
Subject Area: Maternal and Child Health  
Highest Degree Obtained: MPH, Maternal and Child Health, University of Minnesota  
Host Site: Multnomah County Health Department, Portland, OR  
Primary Mentor: Aileen Duldulao, PhD, MSW  
Secondary Mentor: Claire Smith, MURP  

Why you chose the CSTE fellowship: I chose this fellowship because it will serve as an excellent transition into a public health career. As a recent graduate, I wanted an opportunity to gain additional training and mentorship in epidemiology, so this fellowship was the perfect option. Not only do I look forward to learning more about maternal and child health, I am also excited to be involved in projects that might normally be outside the scope of traditional MCH epidemiology; this diversity of experiences would not have been possible without this fellowship. The CSTE Applied Epidemiology Fellowship provides a framework to ensure that I will gain the breadth and depth of foundational knowledge and skills necessary to successfully start a career as an epidemiologist.

Future plans after the fellowship: I hope to continue working as a maternal and child health epidemiologist at the local or state level.

Ashley Miller, MPH  
Subject Area: Environmental Health – Waterborne  
Highest Degree Obtained: MPH, Epidemiology Methods and Application, University of Michigan  
Host Site: Michigan Department of Health and Human Services  
Primary Mentor: Jevon McFadden, MD, MPH  
Secondary Mentor: Mary Grace Stobierski, DVM, MPH  

Why you chose the CSTE fellowship: With my rigorous academic training in the more research-oriented aspects of epidemiology, this fellowship equips me with the opportunity to utilize these skills in an applied setting. I was drawn to the mentorship aspect of the fellowship as it provides me with the unparalleled opportunity to learn from some of the most capable and competent epidemiologists in the field. This, combined with the core competencies and variety of hands-on experiences, builds a strong foundation that will better prepare me to make a positive impact on the public health, environment, and well-being of people in the State of Michigan.

Future plans after the fellowship: Upon completion of my two years, I hope to continue working at the local or state level in infectious and environmental epidemiology, while also being ensure to include the inclusion of social epidemiology. Eventually, I would like to further my education with a JD to further promote the public's health and well-being through law and policy.
Timothy Nielsen, MPH
Subject Area: Maternal and Child Health
Highest Degree Obtained: MPH, Global Epidemiology, Emory University
Host Site: Massachusetts Department of Public Health
Primary Mentor: Hafsatou Diop, MD, MPH
Secondary Mentor: Susan Manning, MD, MPH

Why you chose the CSTE fellowship: The CSTE Applied Epidemiology Fellowship stood out to me as an ideal opportunity to complement my coursework with hands-on experience at the state level. The fellowship is well designed with a combination of standardized competencies, expert mentorship, and the flexibility to pursue the projects that interest me. I am looking forward to engaging with my colleagues in the department to improve the health and wellbeing of mothers and children in Massachusetts.

Future plans after the fellowship: Upon the conclusion of my fellowship, I hope to continue working as a MCH epidemiologist at the state level. In addition, I am considering continuing my public health education by pursuing a doctoral degree.

Monica Nordstrom, MS
Subject Area: Environmental Health - Waterborne
Highest Degree Obtained: MS, Epidemiology, University of Illinois at Chicago
Host Site: New York State Department of Health
Primary Mentor: David Dziewulski, PhD
Secondary Mentor: Lloyd Wilson, PhD

Why you chose the CSTE fellowship: After finishing my academic training, I needed some hands-on professional experience in order to pursue a career as a community epidemiologist. The CSTE Applied Epidemiology Fellowship provides a variety of professional experiences targeted at developing core competencies in epidemiology while working under the supervision of experienced mentors. I was attracted to the cross-disciplinary nature of the waterborne disease program because I had focused on infectious diseases during my graduate studies, but also had a background as a science teacher. This opportunity will help me achieve my goal of contributing to the improvement of human health through disease control, surveillance and research.

Future plans after the fellowship: After completing the CSTE fellowship, I hope to pursue a career in infectious disease or environmental epidemiology at a local or state level public health department.
Lia N. Pizzicato, MPH
Subject Area: Behavioral Health
Highest Degree Obtained: MPH, Epidemiology of Microbial Diseases, Yale School of Public Health
Host Site: Philadelphia Department of Public Health & Philadelphia Department of Behavioral Health and Intellectual disAbility Services
Primary Mentor: Kendra Viner, PhD, MPH
Secondary Mentor: Suet Lim, PhD

Why you chose the CSTE fellowship: When I applied for the CSTE Applied Epidemiology Fellowship, I knew I wanted to work at the interface between substance use disorders and infectious diseases specifically among vulnerable populations such as prisoners, sex workers, men who have sex with men, and drug users. The fellowship allows me to focus in this unique area of interest under guided mentorship while providing ample opportunities to gain a breadth of experiences in applied public health through fulfillment of the fellowship’s core competencies. The fellowship will offer me the skillset required of an epidemiologist by giving me not only unparalleled epidemiology training but also by providing me with a critical understanding of what it takes to tackle the health problems of the nation’s most vulnerable populations.

Future plans after the fellowship: Upon completion of the fellowship, I hope to continue to work at the intersection of substance use disorders and infectious disease at the local, state, or federal level.

Lauren Prinzing, MPH
Subject Area: Injury, Environmental Health
Highest Degree Obtained: MPH, Epidemiology/ Maternal Child Health, Saint Louis University
Host Site: Vermont State Department of Health
Primary Mentor: Lori Cragin, PhD, MS
Secondary Mentor: Chris Bell, MPH, MPP

Why you chose the CSTE fellowship: I chose the CSTE fellowship because I felt that it would give me an excellent opportunity to further develop my skills as an epidemiologist in a real world setting. I am drawn to applied epidemiology because I feel that it is a field that will allow me to use both my analytic skills and my passion for social justice to make a significant and sustained impact on some of the complex public health issues that our country is facing. This fellowship was attractive to me because of the ample opportunities for hands-on experience, as I think that one of the best ways to learn is by doing. I hope that as a CSTE fellow I will be able to acquire new knowledge from my mentors and other co-workers, as well as make a positive contribution to a variety of different projects. I believe that after I have finished my two years as a fellow, I will be well-prepared for whatever my next career steps may be.

Future plans after the fellowship: Upon completion of the fellowship, I hope to continue working in epidemiology at the state or local level.
**Madison Riethman, MPH**  
**Subject Area:** Infectious Diseases  
**Highest Degree Obtained:** MPH, Epidemiology, Saint Louis University  
**Host Site:** Clark County Public Health, Vancouver, WA  
**Primary Mentor:** Alan Melnick, MD, MPH, CPH  
**Secondary Mentor:** Catherine Kroll, MPH, CPH, CIC  

**Why you chose the CSTE fellowship:** The CSTE fellowship offers so many great opportunities to explore the field of epidemiology in a hands-on way. I have always been interested in working directly with a community, addressing the problems and concerns most affecting the people who live there. This fellowship allows me to do so much more effectively than most entry-level positions, while also providing a solid foundation for a future in public sector epidemiology.

**Future plans after the fellowship:** After completing this fellowship, I am looking to continue community and project-based epidemiology work in the government or non-profit sectors, with the potential for also continuing my education with a medical degree in the future.

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**Emery Shekiro, MPH**  
**Subject Area:** Behavioral Health  
**Highest Degree Obtained:** MPH, Epidemiology, East Tennessee State University  
**Host Site:** Denver Public Health, Denver, CO  
**Primary Mentor:** Alia Al-Tayyib, PhD, MSPH  
**Secondary Mentor:** Kathryn DeYoung, MSPH  

**Why you chose the CSTE fellowship:** With an interest in such a quickly growing field, I felt as though the CSTE Applied Epidemiology Fellowship would prepare me to understand the best surveillance indicators for behavioral health and substance abuse. The fellowship will provide me with a developed knowledge of the public sector as well as mentorship from experienced epidemiologists. The unique structure of the fellowship will ensure that I gain important skills in a wide variety of areas such as surveillance, emergency preparedness, and public health policy. I am excited to apply what I have learned through my graduate program and hone my skillset. I am confident completing the CSTE fellowship will enhance my versatility and effectiveness as a public health professional and make a difference in protecting the health of communities.

**Future plans after the fellowship:** After completing the fellowship, I hope to continue working at the state or local level in behavioral health substance abuse epidemiology.
Katie Steider, MPH, CPH  
Subject Area: Infectious Diseases - HAI  
Highest Degree Obtained: MPH, Infectious Diseases and Microbiology, University of Pittsburgh  
Host Site: North Carolina Department of Health and Human Services  
Primary Mentor: Jean-Marie Maillard, MD, MSc  
Secondary Mentor: Jennifer MacFarquhar, MPH, RN, CIC  

Why you chose the CSTE fellowship: I chose the CSTE Applied Epidemiology Fellowship for the opportunities to apply my knowledge, talents, and training to public health challenges as well as refine my skills as an infectious disease epidemiologist and future leader in the field. As a fellow, I will gain valuable, hands-on experience in many aspects of public health and expand my professional network by participating in conferences and workshops. I am excited to learn from my mentors, serve different populations, and practice new skills to make me a more versatile epidemiologist capable of addressing complex public health issues as well as the divide between public health professionals and the public.

Future plans after the fellowship: After the fellowship, I will pursue a career as an infectious disease epidemiologist at the local or state level or within a hospital. I also aspire to work at the federal level where I will have the opportunity to conduct large-scale projects and contribute to the progressive work that is forging public health practice and policy.

Kaitlyn Sykes, MPH  
Subject Area: Infectious Diseases  
Highest Degree Obtained: MPH, Epidemiology, University of Michigan  
Host Site: Maricopa County Department of Public Health, Phoenix, AZ  
Primary Mentor: Jessica White, DrPH, MS, MLS(ASCP)CM, CPH  
Secondary Mentor: Vjollca Berisha, MD, MPH  

Why you chose the CSTE fellowship: I chose the CSTE fellowship because it provides a unique opportunity to apply and build upon the skills I gained during my MPH program. It provides on the job training with mentorship from two experienced epidemiologists, and an abundance of other resources not commonly available to first year epidemiologists. The structure of core competencies stood out to me the most, because the fellowship provides a structure and opportunity to participate in different areas of applied epidemiology, gaining exposure to many aspects of the field in the two-year period. During the fellowship, I hope to gain skills in all areas of applied epidemiology, through completing these core competencies, and build upon my passion for improving the health status of vulnerable populations by working directly with the population in my county.

Future plans after the fellowship: After completing the fellowship, I plan to continue working as an infectious disease epidemiologist at the state or local level.
Katie Thure, MPH
Subject Area: Infectious Diseases - HAI
Highest Degree Obtained: MPH, Epidemiology, Emory University
Host Site: Tennessee Department of Health
Primary Mentor: Marion Kainer, MD, MPH, FRACP, FSHEA
Secondary Mentor: Timothy Jones, MD

Why you chose the CSTE fellowship: After completing my degree, I wanted to have an opportunity to practice infectious disease epidemiology at a state or local level. The CSTE Applied Epidemiology Fellowship acts as an important bridge between my graduate research work and my career in public health. Some of the most appealing aspects of the fellowship is the direct mentorship under two skilled epidemiologists, as well as, the freedom to explore various topics, which will help develop a solid foundation for my public health career. Finally, the CSTE fellowship gives me the opportunity to help expand capacity at the state level, while making meaningful contributions to the applied public health sector.

Future plans after the fellowship: Upon completion of the fellowship, I plan to continue working as an applied epidemiologist at a state or local health department.

Jane Yackley, MPH
Subject Area: Infectious Diseases – Food Safety
Highest Degree Obtained: MPH, Epidemiology, Emory University
Host Site: Tennessee Department of Health
Primary Mentor: John Dunn, DVM, PhD
Secondary Mentor: Katie Garman, MPH

Why you chose the CSTE fellowship: I was drawn to the structure and mentorship of the CSTE Applied Epidemiology Fellowship. The exposure to local and state epidemiology and the development of a wide range of skills, all while receiving guidance and feedback from public health professionals, sold me on this opportunity. I believe that being immersed in a health department and learning from mentors and team members will be invaluable to my career. I am excited to strengthen my epidemiology skills, build professional connections, and serve the residents of Tennessee thanks to the guidance and support of this fellowship and the Tennessee Department of Health.

Future plans after the fellowship: Upon completing the fellowship, I plan to pursue an epidemiology career at a local or state health department. In the future, I also hope to advance my training in epidemiology.
Fellows participate in a variety of projects that offer an exceptional learning experience while providing valuable service to their host health agencies. Listed below are just a few examples of projects that current and former fellows have led:

- Household Needs Assessment for Preparedness and Disaster Response
- Michigan National Health-care Safety Network (NHSN) Statewide Validation
- Descriptive analysis of recreational water associated fatal and non-fatal drowning in Indiana, 2004-2014
- Environmental Health Hazards in Alaska
- Update Wisconsin’s Cryptosporidium Surveillance System
- Comprehensive HIV Medical Care and Disparities in the HIV Care Continuum, Virginia, 2014
- How do states reach to non-English speaking populations during an emergency?
- Trends in Healthcare-Associated Infections in Arkansas, 2011-Present
- Development of an Annual National Healthcare Safety Network (NHSN) Validation Process
- NHSN Data Validation
- Regional Antibiogram Project
- Assessing the impact of rural/urban designation on alcohol outlet density in New Mexico
- Vaccine Decision-making among Kindergarten Parents - Marin County, 2015
- Adoption of the CDC/CSTE HAI Data Analysis and Presentation Standardization Toolkit in the State of Virginia
- Linking Philadelphia HBV Data, Cancer Registry Data, and Death Certificate Data to Assess Demographic Disparities in Patients with HBV
- Washington State Tribal Perinatal Indicators Report
- Hepatitis C Virus Epidemiologic Profile, Pennsylvania, 2016
- Determining Prevalence, Risk Factors and Clinical Outcomes of Laboratory Reported Carbapenem-resistant Enterobacteriaceae Cases
- Validation, Analysis and Reporting of Georgia HAI NHSN Dialysis Event Surveillance
- A Survey of Antibiotic Stewardship Activities in Long-Term Care Facilities in South Carolina
- Evaluating the Use of the Prescription Drug Monitoring Program
- Characterization of Water Systems in Healthcare Facilities
- Characterization of Drug Poisoning Deaths in Maryland State
- Refugee Health Data analysis project
CSTE

Current Fellow Projects

- Retrospective cohort analysis analyzing risk factors among women taking prescription opioids while pregnant and the outcome of NAS among their offspring in Tennessee, 2012-2014
- Drug Diversion in Minnesota
- Kansas Tracking and Reporting of Controlled Substances: Evaluating the Kansas’ Prescription Drug Monitoring Program as a Surveillance System
- Sexual Violence among Youth and Adults in Hawaii
- Hepatitis C Virus (HCV) Epidemiologic Profile and Improvements to HCV Surveillance
- Ohio Department of Health Drowning Prevention Pilot Project
- Pregnancy Outcomes in Women with Gestational or Pregestational Diabetes Mellitus
- Life Course Geospatial Analysis in Maine
- Capacity Assessment of Mental Health services in Chicago, IL
- Evaluation of the Effectiveness of General Statute § 87-97 on Water Quality Interventions among Private Well Owners in North Carolina
- Characteristics of Patients Tested by Culture Independent Methods

CSTE FELLOWS CLASS OF 2016
Applied Epidemiology Core Competencies

Fellows will develop a comprehensive set of core skills through competency-based training. These competencies are expected to be fulfilled during the two-year fellowship:

**Epidemiologic Methods**
- Design a surveillance system to assess health problems
- Evaluate an existing surveillance system
- Design data collection tools to address a health problem
- Collect health data and create databases
- Analyze and characterize epidemiologic data with statistical software
- Interpret data and findings and recommend control measures, prevention programs, or other public health interventions
- Understand types of study design and design an epidemiologic study
- Role in bioterrorism/emergency preparedness and response

**Communication**
- Write surveillance and field investigation reports
- Present epidemiologic data using graphic software
- Understand the basics of health risk communication and be able to communicate findings to the lay public
- Present research results in a scientific poster, report, or manuscript
- Present data orally using appropriate media

**Public Health Practice, Policy, and Legal Issues**
- Have a basic understanding of public health law
- Understand the Health Insurance Portability and Accountability Act of 1996 (HIPAA)
- Distinguish between public health research and public health practice
- Understand policies designed for the protection of human subjects and the role of an Institutional Review Board (IRB)
- Know the essential public health functions
- Understand the roles of local, state, and federal public health agencies
- Appreciate the diversity of epidemiology and how it is used in different program areas
- Effectively negotiate cultural sensitivity issues