



For more information about the program or to obtain an application, please visit CSTE's website: www.cste.org

A two-year fellowship program that provides hands-on training in the field of applied epidemiology at state and local health agencies under the guidance of an experienced mentor.

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APPLIED EPIDEMIOLOGY FELLOWSHIP

The CDC/CSTE Applied Epidemiology Fellowship was created 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) and the Association of Schools of Public Health (ASPH), established this two-year fellowship program to give recent graduates from schools of public health advanced training in preparation for a successful career as a state or local epidemiologist.

What is applied epidemiology?

The fundamental principle of applied epidemiology is that public health action results from the application of credible science (CDC).

Applied epidemiology is the use of epidemiologic methods to design, evaluate, or improve interventions to protect the health of a population¹. In public health practice, epidemiological principles and methods address issues and solve problems that affect the populace. Examples of applied epidemiology include the surveillance and investigation of specific health problems, measuring impacts and outcomes of health services, evaluating community intervention programs, and identifying future public health needs based on historical trends and current data.

¹ TEPHINET, 2003



Program Highlights

Using a mentorship model, The CDC/CSTE Applied Epidemiology Fellowship offers an opportunity for graduates to acquire rigorous preparation and to develop applied epidemiologic skills during a high quality, on-the-job-training experience. Recent graduates who are interested in the practice of public health at the state or local level are encouraged to apply for this two-year fellowship.

Fellows are carefully matched, based on their career aspirations and available host positions, to a state or local health agency in a particular program area.

Program areas include:

- Infectious disease
- Chronic disease
- Maternal and child health
- Injury
- Birth defects and developmental disability
- Environmental health
- Occupational health
- Emergency response (bioterrorism) epidemiology

Under the guidance of an experienced mentor, fellows will be expected to achieve competencies related to: epidemiologic methods, communication skills, public health practice, policy, and legal issues. Fellows will demonstrate acquired core competencies by participating in prescribed activities.



Competencies

Epidemiologic Methods

- Design, evaluate, and interpret surveillance systems;
- Employ various epidemiologic studies to address a health problem;
- 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 recommend control measures, prevention programs, or other public health interventions.

Communication

- Write surveillance and field investigation reports;
- Present epidemiologic data using graphic software;
- Understand the basics of health-risk communication;
- Communicate epidemiologic findings to the lay public;
- Present research results in a scientific poster, report, or manuscript.

Public Health Practice, Policy, and Legal Issues

- Understand aspects of public health law, such as The Health Insurance Portability and Accountability Act of 1996 (HIPAA);
- Distinguish between public health research and public health practice;
- Understand regulations applied by Institutional Review Boards for protecting human subjects;
- Understand roles of local, state, and federal public health agencies;
- Recognize the diversity of epidemiology and its role in different program areas;
- Manage cultural sensitivity issues.

Eligibility

- An MPH, MSPH, MS in epidemiology, or an equivalent or advanced level degree in a health-related field;
- Completed at least three graduate-level epidemiology courses and one graduate-level biostatistics course;
- United States citizenship.