

ELIGIBILITY

- An MPH, MSPH, MS in epidemiology, or an equivalent degree or advanced degree in a health related field
- Completed at least three 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

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

www.cste.org

COUNCIL OF STATE AND TERRITORIAL EPIDEMIOLOGISTS

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ASPH
ASSOCIATION OF
SCHOOLS OF
PUBLIC HEALTH



CDC/CSTE APPLIED EPIDEMIOLOGY FELLOWSHIP

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.

The CDC/CSTE Applied Epidemiology Fellowship program 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 US 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 population (TEPHINET, 2003). 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.

APPLIED EPIDEMIOLOGY FELLOWSHIP



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 to 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 & Child Health
- Birth Defects & Developmental Disabilities
- Injury
- Environmental Health
- Occupational Health

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 a new surveillance system and evaluate an existing surveillance system
- Employ various epidemiologic methods 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 & 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