

Class Concept

Employees in this class serve in a leadership role either as a project leader or supervisor. Employees supervise or lead Public Health Epidemiologists whose work may have significant impact on public health as they plan, develop and conduct investigations into the causes of negative health outcomes including disease and injury and implement interventions to control and prevent negative health outcomes. They may collect, analyze and interpret statistical data, and prepare epidemiologic reports. Employees provide epidemiological data for consultation and assist in the development and coordination of plans to reduce the risk of negative health outcomes including death. Work includes assisting county health departments in formulating strategies to manage problems, conducting varied literature reviews and directing the implementation of evidence-based interventions. Employees may specialize in a number of areas including infectious disease, chronic disease, injury, environmental/occupational epidemiology, health care evaluation, cancer, reproductive health, cardiovascular disease or human genetics. Employees may develop policies and procedures for new and existing disease control or other public health prevention programs. Work in this class involves training, technical assistance and consultation regarding epidemiology and control of diseases or other health outcomes. Employees serve as a technical expert in assigned area(s). These employees typically supervise the data collection and the quality assurance aspects of data collection with more sophisticated, independent quantitative analysis of data. Work includes trend analysis and independent statistical and epidemiological analysis. Employees typically report to a Public Health Epidemiology Program Manager or a Public Health Program Manager.

Recruitment Standards

Knowledge, Skills, and Abilities

- Considerable knowledge of epidemiologic principles, investigations, surveillance, study design, descriptive statistics, statistical analysis and interpretation of statistical data and scientific literature. Significant knowledge of biostatistics including the use of statistical software and statistical programming languages.
- Significant knowledge of computers, database design, management and manipulation.
- Ability to communicate effectively orally and in writing.
- Skill in leadership, planning, and organization.

Minimum Education and Experience

Doctoral degree in Epidemiology or a closely related health field from an appropriately accredited institution; or an equivalent combination of education and experience.