

## **PUBLIC HEALTH EPIDEMIOLOGIST I**

### CLASS CONCEPT

This is entry-level professional epidemiologist work. Employees plan, develop and conduct epidemiological investigations, surveillance and interventions limited in scope and/or complexity to determine the causes of diseases and implement methods of disease control. They 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 human illness and death. Work includes assisting county health departments in formulating strategies to manage problems, and conducting varied literature reviews. Employees may specialize in a number of areas including infectious disease, chronic disease, environmental/occupational epidemiology, health care evaluation, cancer, reproductive health, cardiovascular disease or human genetics. Employees typically report to a higher-level professional epidemiologist.

### RECRUITMENT STANDARDS:

#### Knowledge, Skills, and Abilities

Working 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.

#### Minimum Training and Experience Requirements

Master's degree in epidemiology, public health education, public health administration, or a closely related field from an appropriately accredited institution; or a bachelor's degree with a closely related science or nursing degree from an appropriately accredited institution and two years of closely related epidemiological work; or an equivalent combination of education and experience.

#### Special Note

This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA. Examples of work are primarily essential functions of the majority of positions, but may not be applicable to all positions.