

## PUBLIC HEALTH EPIDEMIOLOGIST I

### NATURE OF WORK

This is entry-level professional work in the collection and analysis of data regarding public health programs.

Work involves the performance of moderately difficult professional and technical work in epidemiology and biostatistics under the general supervision of a more experienced epidemiologist. Independent judgment is exercised in the application of professional techniques and principles to recurring problems that do not go beyond established rules, standards and policies. Supervision is received from the Public Health Epidemiologist III who reviews work through consultation and analysis of reports submitted.

### EXAMPLES OF WORK PERFORMED

Performs moderately difficult and complex assignments in a wide variety of epidemiology and biostatistics work such as the preparation of project outlines, selection of data sources, report writing, survey preparation, or special research projects.

Gathers and correlates preliminary epidemiology data and information; assists in the analysis and interpretation of routine or moderately difficult data.

Prepares and distributes public health information which accurately assesses the health status of the citizens of Lancaster County.

Makes analyses, investigations and preliminary determinations and recommendations on current epidemiology problems, writes reports and correspondence pertaining to each phase of the work as assigned.

Researches and drafts policies, procedures and protocols for epidemiologic analysis, assessment and data dissemination.

Participates in coordination of community planning and emergency response to potential and actual public health emergencies, as directed by the Public Health Epidemiology Supervisor.

Performs related work as required.

### DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of research methodology and of standard sources and uses of epidemiology information.

Knowledge of the principles, practices and methodologies of epidemiology.

Knowledge of the use of computers, database building and maintenance, and statistical analysis software such as SPSS and SAS in the collection and analysis of data.

Ability to perform moderately difficult studies and investigations into matters pertaining to epidemiology, and to prepare reports of the particular features under study.

Ability to transport oneself or coordinate transportation to work sites throughout the City during the course of the work day.

Ability to perform routine and moderately advanced professional work pertaining to epidemiology.

Ability to apply professional epidemiology principles, practices and techniques to a wide variety of routine and moderately advanced problems and assignments.

Ability to lead a small group of technical employees engaged in routine epidemiology work.

Ability to establish and maintain effective working relationships with co-workers, government officials and the public.

#### MINIMUM QUALIFICATIONS

Graduation from an accredited four-year college or university with major coursework in public health or related science and six months of experience in social research and statistics; or any equivalent combination of training and experience that provides the desirable knowledge, abilities and skills.