

# EPIDEMIOLOGIST

**GENERAL STATEMENT OF DUTIES:** Plans, develops, implements and monitors community programs of disease control, surveillance, prevention and epidemiological investigation of disease problems of community health significance; provides educational services relative to ongoing and projected disease control activities; serves as staff epidemiologist under general direction of the Administrative Health Officer; performs related duties as required.

## **STATEMENT OF TASKS:**

Assists in implementation of chronic and communicable disease policies and procedures;  
Monitors unusual disease activity in the community;  
Provides consultation to health professionals, schools and personal health care programs in all aspects of disease programming and epidemiological study;  
Provides technical assistance in community disease investigations including areas of infectious disease outbreaks, communicable disease data gathering, chronic disease, chemical exposure and other environmental hazards;  
Develops and maintains a system to monitor and evaluate conditions conducive to spread of disease;  
Advises the department on a continuing basis of potential or active epidemic trends and disease patterns, their characteristics, possible causes and potential remedial action.

The class specification above is intended to be sufficient to identify the class and be illustrative of the many duties that may be assigned. It should not be interpreted to describe all of the duties an employee may be required to perform.

## **REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Complete knowledge of the principles, skills and practices of public health epidemiology;  
Thorough knowledge of the principles, skills and practices of communicable and chronic disease control;  
Considerable knowledge of the statistical methods and research design models used in modern epidemiology;  
Ability to utilize a personal computer and to utilize and interpret related statistical software;  
Ability to identify public health areas in which improved data collection or statistical analysis may benefit the department;  
Ability to compile pertinent information and prepare and present oral or written reports, and act as resource consultant to the department;  
Ability to formulate and direct field investigations and evaluation studies;  
Ability to attend work regularly and work under stressful conditions.

## **MINIMUM QUALIFICATIONS:**

Master's degree in Epidemiology or Public Health with a specialization in epidemiology. Master's degree in other quantitative health sciences, for example, Medical Geography or Medical Statistics, will be considered depending upon the level of related training and experience.

Must possess a valid Michigan motor vehicle license.

Established: April 25, 1995  
Revised: August 28, 1998  
Revised: May 4, 2000

  
Human Resources Director