

## EPIDEMIOLOGIST SENIOR

### KIND OF WORK

Advanced professional epidemiologic work.

### NATURE AND PURPOSE

An employee in this class is responsible for designing and leading investigations of epidemic and endemic diseases, which include devising methods of surveillance, control and program evaluation. Responsibilities include assisting in the development of policies and procedures for new and existing programs and advising physicians, other health professionals and the public on disease prevention and control. Supervision is general in nature and reporting is achieved through written and verbal reports to the supervisor.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Conducts epidemiologic research to increase knowledge necessary for control of disease in the state.

Instructs and advises community public health agencies and the general public concerning disease control to enhance knowledge of disease prevention and control.

Assists in assembling and staffing public advisory committees to ensure public awareness and participation in disease control programs.

Prepares accurate and timely information for the news media to keep the public informed of disease control and prevention activities.

Prepares reports, grants and contract proposals so that program goals are achieved.

Provides consultative services to physicians and other health professionals so that expertise is afforded with regard to etiology, pathogenesis, epidemiology and control of specified infections or specified chronic diseases.

Prepares and maintains budgets, as a leadworker to professional staff and performs related work as required so that the program operates efficiently.

### KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Extensive knowledge of the etiology, pathogenesis, epidemiology and control of specific infections or specific chronic diseases.

Thorough knowledge of and practical experience in the use of epidemiologic principles.

Thorough knowledge of disease surveillance systems, including design and methods of analysis, with experience in data processing (computer systems).

Thorough knowledge of the Minnesota Department of Health functions, program policies and procedures.

Considerable knowledge of federal and state laws pertaining to state and local public health programs.

Statistics and statistical methods of research.

Ability to:

Design, initiate and supervise investigations of epidemic and endemic infections and chronic diseases.

Prepare and maintain budgets.

Lead and evaluate the work of others.

Communicate effectively, both verbally and in writing.

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Rev.: 10/80

T.C.: 9/94  
Former Title(s): Epidemiologist 2