

PUBLIC HEALTH EPIDEMIOLOGIST II

NATURE OF WORK

This is a responsible technical and professional work conducting epidemiologic analytics and consultative work in community health assessment, surveillance, detection and prevention of diseases, environmental exposure and injury.

Work involves participating and helping to facilitate a team of professional, technical and support staff engaged in developing and conducting community health assessments and surveillance to monitor health status, environmental exposures and to identify trends or outbreaks of diseases or other adverse health events; providing data and information to reduce adverse health effects and propose evidence informed practices or policies to promote and protect public health.; providing efficient and effective public health epidemiology assessment, surveillance and analytical services. Working collaboratively with epidemiologists, GIS analysts, surveillance analysts, investigators and other staff. Work requires independent judgment and knowledge of applied epidemiology for public health practice. Work is performed under the general supervision of the Public Health Epidemiologist III or the Epidemiology Supervisor with work being reviewed in the form of conferences, reports submitted, and results achieved.

EXAMPLES OF WORK PERFORMED

Identifies public health problems pertinent to the community; conducts surveillance activities; investigates acute and chronic conditions or other adverse outcomes in the population; works with data from surveillance, investigations, or other sources; evaluates analysis of data, conclusions and interpretation.

Participates and helps provide leadership to quality improvement processes, innovative approaches to reach diverse and susceptible populations and customer discovery initiatives.

Participates in development, prioritization and implementation of strategies to achieve performance indicators, goals and objectives.

Participates in epidemiologic studies and outbreak investigations. May participate on the Outbreak Response Team.

Participates in the design and use of databases for analysis of health problems, environmental exposures, surveillance systems and instruments for the collection of surveillance information and data.

Participates or leads the development of epidemiologic studies for community health planning and application of methods for advanced descriptive and comprehensive analyses of surveillance data.

Participates in developing, implementing and monitoring organizational performance measures. Provides technical assistance to communities and outside partners with respect to surveillance, performance measurement, data and evaluation; acts as liaison to outside data-generating entities to develop and maintain partnerships for sharing and using data.

Assists in formulating policies, procedures and plans for epidemiologic analysis, assessment and data dissemination.

Participates in preparation of grant applications and reports.

Develops and provides presentations to the public, community groups and other entities.

Staffs, develops and guides external advisory committees and task forces.

Participates in internal and external planning processes, evaluates public health implications from a holistic, big picture viewpoint and ensures public health and environmental issues are addressed.

Participates in coordination of community planning and emergency response to potential and actual public health emergencies.

Provides technical support and acts as consultant for evaluation of programs, survey design and development, performance measure design and development.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of sources of information, on disease incidents, recognized trends and vital event data by the state and the nation.

Considerable knowledge of the principles, practices and methodologies of epidemiology.

Considerable 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.

Knowledge of the principles and methods of public health agencies, government organization and sound practices of public administration.

Knowledge of the factors that affect the availability and utilization of health services and cause changes in the health status of the community.

Ability to maintain accurate and detailed records.

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

Ability to consolidate information from a variety of sources and draw meaningful conclusions.

Ability to communicate effectively both orally and in writing.

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

MINIMUM QUALIFICATIONS

Graduation from an accredited four-year college or university with major coursework in public health, epidemiology, biostatistics, research methods and behavioral sciences plus two years of experience in public health epidemiology; or any equivalent combination of training and experience that provides the desired knowledge, abilities and skills.