

PUBLIC HEALTH EPIDEMIOLOGIST III

NATURE OF WORK

This is highly responsible professional, technical and supervisory work conducting advanced epidemiologist analytics, evaluation and consultative work in community health assessment, surveillance, detection and prevention of diseases, environmental exposures and injury.

Work involves responsibility for managing key projects and supervising a team of subordinate professional 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. Work requires considerable independent judgement and advanced knowledge of applied epidemiology for public health practice. Work is performed under general supervision from the Epidemiology Supervisor with work being reviewed in the form of conferences, reports submitted and results achieved.

EXAMPLES OF WORK PERFORMED

Acts for Public Health Epidemiology Supervisor in his/her absence.

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

Implements and provides leadership to quality improvement processes, innovative approaches to reach diverse and susceptible populations, and customer discovery initiatives.

Develops, prioritizes and implements strategies to achieve performance indicators, goals and objectives.

Plans, directs and manages epidemiologic studies and urgent outbreak investigations. Serves as lead for epidemiology on the Outbreak Response Team.

Manages 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.

Leads the development and conduct of epidemiologic studies for community health planning and application of methods for advanced descriptive and comprehensive analyses of surveillance data.

Develops, implements and monitors 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.

Formulates policies, procedures and plans for epidemiologic analysis, assessment and data dissemination.

Selects, supervises and evaluates professional, technical and support staff.

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

Prepares grant applications and reports.

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

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 survey design and development, performance measure design and development.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

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

Extensive knowledge of principles of informatics, including data collection, processing and analysis support of epidemiologic practice.

Considerable knowledge of assessment and identification of public health problems in community.

Considerable understanding of culture, diversity, and inclusion.

Considerable knowledge of design for public health studies, investigations and evaluation.

Considerable knowledge of evidenced based approaches to lead and facilitate positive organizational and community change.

Ability to apply criteria thinking to determine whether a public health problem exists including validation and verification to the data and its completeness and accuracy.

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

Ability to use and follow ethical and legal principles in design and implementation of data collection, analysis and dissemination.

Ability to lead investigation of acute and chronic conditions or other adverse outcomes in the population.

MINIMUM QUALIFICATIONS

Graduation from an accredited four-year college or university supplemented by a Master's degree with major coursework in public health, epidemiology or biostatistics; plus four years of experience in public health epidemiology or any equivalent combination of training and experience that provides the desired knowledge, abilities and skills.

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