ORANGE COUNTY CLASS SPECIFICATION

TITLE: BIOSTATISTICIAN   **GRADE:** 14

TITLE ABBREVIATION: BIOSTATISTICIAN   **TITLE NO.:** 561210

JURIS.CL: C   **SALARY CODE:** 01   **UNIT:**   **EEO CODE:** PR   **FLSA CODE:** NE

DEPARTMENT: PUBLIC HEALTH   **DIVISION:** EPIDEMIOLOGY

SUPERVISOR'S TITLE: DIRECTOR OF EPIDEMIOLOGY & PUBLIC HEALTH PLANNING

DISTINGUISHING FEATURES OF THE CLASS: The Biostatistician is responsible for obtaining and analyzing health data and biostatistical studies to monitor trends in the community. The incumbent supports epidemiological investigations and evaluates behavioral and public health programs and interventions. The work requires knowledge of applied epidemiology and biostatistics for public health practice. Work is performed under the supervision of the Director of Epidemiology and Public Health Planning. Supervision of others is not a feature of this job class. Incumbent does related work as required.

TYPICAL WORK ACTIVITIES:

Assists Epidemiologists with the collection, analysis, interpretation, visualization, and reporting of vital statistics and other health metrics to determine and evaluate community health needs;

Designs, manipulates, and utilizes databases for analysis of vital statistics of health issues and program evaluation;

Analyzes and interprets data using appropriate statistical methods; identifies trends or relationships among statistical variables;

Supports survey development, survey sampling strategy, and statistical analysis of survey results;

Responds to internal and external requests for health statistics; may review, analyze, and interpret biostatistical studies for other departmental employees;

Assists the department in the use of relevant methods for planning and program evaluation;

Supports epidemiologic investigations and evaluation of public health research questions;

Uses computer applications and other automated systems such as spreadsheets, word processing, e-mail, and database software in performing work assignments.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of principals, theories, and techniques of descriptive and inferential statistics; knowledge of the sources of information and application of statistical methods related to the vital, statistical, health and medical fields of study; computer skill in the use of standard business applications and databases including spreadsheets, word processing, e-mail, and calendar; ability to compile, analyze, and interpret health data and forecast trends; ability to use established mathematical and biostatistical methods; ability to establish and maintain effective working relationships; ability to communicate effectively both orally and in writing; ability to prepare written reports and summaries including charts and graphs; accuracy; initiative; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Either

A. Master's Degree in Biostatistics, Statistics, Epidemiology, Public Health, Mathematics, or Computer Science, or a closely related field; OR

B. Bachelor's Degree or higher and one year of experience where the primary function was technical or quantitative public health analysis, health informatics, or biostatistical analysis.

NOTE: Your degree or credits must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If your degree or credits were awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at http://www.cs.ny.gov/jobseeker/degrees.cfm. You must pay the required evaluation fee.

REVISED: 12/13/2022 dmc