



New Mexico State Personnel Office

2600 Cerrillos Road
Santa Fe, New Mexico 87505-0127

Classification Description

EPIDEMIOLOGISTS

<u>Class Title</u>	<u>Class Code</u>	<u>Pay Band</u>	<u>Alt Pay Band*</u>
Epidemiologists-B	F1041B	65	
Epidemiologists-O	F1041O	70	
Epidemiologists-A	F1041A	75	

**In accordance with SPB Rule 1.7.4.10 NMAC, the assignment to alternative pay bands shall be reviewed annually to determine their appropriateness.*

Occupation Description

Investigate and describe the determinants and distribution of disease, disability and other health outcomes and develop the means for prevention and control.

Nature of Work

Epidemiologists investigate and describe the causes and spread of disease, and develop the means for prevention or control. Applied epidemiologists, who usually work for State health agencies, respond to disease outbreaks, determining their causes and helping to contain them. Research epidemiologists study diseases in laboratories and in the field to determine how to prevent future outbreaks.

Distinguishing Characteristics of Levels

Note: Examples of Work are intended to be cumulative for each progressively higher level of work. The omission of specific statements does not preclude management from assigning other duties which are reasonably within the scope of the duties.

Basic

- Employees in this Role conduct standardized epidemiological investigations, research, and policy development relating to environmental or public, and/or mental health.

Recommended Education and Experience for Full Performance

Bachelor's Degree in Public Health, Epidemiology, Social Sciences, or Statistics and three (3) years in Public Health to include data analysis and linking methodology.

Minimum Qualifications

Bachelor's Degree in Public Health, Science and/or Social Sciences.

Operational

- Employees in this Role conduct more complex epidemiological investigations, research, and policy development relating to environmental or public and/or mental health with particular emphasis on chemical and physical, social, and nutritional problems as they relate to human health and disease patterns.

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Recommended Education and Experience for Full Performance

Master's Degree in Public Health, Epidemiology, Science, Social Sciences, or Statistics and two (2) years in Public Health to include data analysis and linking methodology.

Minimum Qualifications

Master's Degree in Public Health, Epidemiology, Science, Social Sciences or Statistics.

Advanced

- Employees in this Role plan, design, develop, and conduct the most complex epidemiological investigations, research, and policy development relating to environmental or public and/or mental health with particular emphasis on chemical and physical, social, and nutritional problems as they relate to human health and disease patterns.

Recommended Education and Experience for Full Performance*

Masters Degree in Public Health, Epidemiology, Sciences, Social Sciences, or Statistics and four (4) years in Public Health to include data analysis and linking methodology.

Minimum Qualifications

Master's Degree in Public Health, Epidemiology, Sciences, Social Sciences, or Statistics and two (2) years in Public Health to include data analysis and linking methodology.

Knowledge and Skills

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Knowledge

English Language — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

Biology — Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment.

Medicine and Dentistry — Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.

Computers and Electronics — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

Education and Training — Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.

Sociology and Anthropology — Knowledge of group behavior and dynamics, societal trends and influences, human migrations, ethnicity, cultures and their history and origins.

Psychology — Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.

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Administration and Management — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

Communications and Media — Knowledge of media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media.

Skills

Science — Using scientific rules and methods to solve problems.

Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Speaking — Talking to others to convey information effectively.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Writing — Communicating effectively in writing as appropriate for the needs of the audience.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Active Learning — Understanding the implications of new information for both current and future problem-solving and decision-making.

Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

Statutory Requirements: N/A

Conditions of Employment: Working Conditions for individual positions in this classification will vary based on each *agency's utilization, essential functions, and the recruitment needs* at the time a vacancy is posted. All requirements are subject to possible modification to reasonably accommodate individuals with disabilities.

Default FLSA Status: Exempt. FLSA status may be determined to be different at the agency level based on the agency's utilization of the position.

Bargaining Unit: This position may be covered by a collective bargaining agreement and all terms/conditions of that agreement apply and must be adhered to.

Established: 07/07/2001

Revised: 9/20/2011; 2/19/2019 (min quals Change to O role)

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**Adapted from the United States Bureau of Labor Statistics and are intended to illustrate the typical education and experience required for this occupation.*

Note: Classification description subject to change. Please refer to the SPO website www.spo.state.nm.us to ensure this represents the most current copy of the description.