

## **0601 – Epidemiologist (Informatics)**

### Major Duties Required for This Position May Include:

- Consults and collaborates with statistical, data science, and public health professionals in the collection, linkage, processing, coding, classification, and analysis of public health surveillance.
- Brings and develops expertise in the fields of epidemiology, health science and programming languages as applied to public health research.
- Assists in preparing comprehensive reports that include discussion of substantive issues related to data science methodology for public health surveillance.
- Plans and carries out quality control programs and selects appropriate epidemiologic methods to be used in quality control analysis for key influenza and respiratory pathogens.

### Related Competencies

- Program Management
- Collaboration/Partnering
- Data Analysis and Interpretation
- Public Health Knowledge
- Data Collection, Analysis, and Management

### Basic Requirements

Bachelor's, graduate, higher-level degree in major study in an academic field related to the medical field, health sciences or allied sciences appropriate to the work of the position. This degree must be from an educational program from an accrediting body recognized by the [U.S. Department of Education](#) at the time the degree was obtained.

### Minimum Qualifications

In additions to meeting the basic requirements above, applicants must meet the minimum qualifications requirement as defined below:

#### **GS-07 Specialized Experience Requirements**

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-05 grade level in the Federal Service. Specialized experience for this position includes:

- Assisting in performing scientific studies and identifying systems and tools to assist others in effectively accessing data in an easily searchable and understandable way.

#### Or Education

One full year of graduate level education.

### Or Superior Academic Achievement

Based on a bachelor's degree that is demonstrated through class standing (upper 1/3 of class); grade point average (3.0/4.0 overall or 3.5/4.0 in major), or election to membership in a qualifying national scholastic honor society.

### Or Combination

You may qualify on a combination of education and experience, the total percentage of experience at the required grade level compared to the specialized experience requirement, as well as the percentage of completed education compared to the educational requirement must equal at least 100 percent.

## GS-09 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-07 grade level in the Federal Service. Specialized experience for this position includes:

- Performing scientific studies
- Using data science algorithms to manage, analyze, or assimilate fragmented and unstructured data into usable data.

### Or Education

2 years of progressively higher-level graduate education leading to a master's degree *or* master's or equivalent graduate degree if related. **TRANSCRIPTS REQUIRED.**

### Or Combination

You may qualify on a combination of education and experience. The total percentage of experience at the required grade level compared to the requirement, must equal at least 100 percent. Only graduate level education more than the first 18 semester hours (27 quarter hours) may be combined to be considered for qualifying education. **TRANSCRIPTS REQUIRED.**

## GS-11 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-09 grade level in the Federal Service. Specialized experience for this position includes:

- Performing scientific studies and assisting in the design of bioinformatics tools that support advanced data query and automation of data analysis.

### Or Education

Ph.D. or equivalent doctoral degree *or* three (3) full years of progressively higher-level graduate education. **TRANSCRIPTS REQUIRED.**

### Or Combination

You may qualify on a combination of education and experience. The total percentage of experience at the required grade level compared to the requirement, must equal at least 100

percent. Only graduate level education more than the first 36 semester hours (54 quarter hours) may be combined to be considered for qualifying education. **TRANSCRIPTS REQUIRED.**

### **GS-12 Specialized Experience Requirements**

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-11 grade level in the Federal Service. Specialized experience for this position includes:

- Performing epidemiologic studies and designing effective technology systems that gather, store, interpret and manage data to support scientific projects and programs.

**Note:** There is no substitution of education for specialized experience at the GS-12 level.

### **GS-13 Specialized Experience Requirements**

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-12 grade level in the Federal Service. Specialized experience for this position includes:

- Providing advice and assistance in the development and implementation of procedures, methods, and strategies for obtaining and using scientific data from various surveillance systems or programs for a scientific or public health project or study.

**Note:** There is no substitution of education for specialized experience at the GS-13 level.

### **GS-14 Specialized Experience Requirements**

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-13 grade level in the Federal Service. Specialized experience for this position includes:

- Managing projects involved with public health informatics and the design and implementation of IT systems integrating epidemiologic and other information from a scientific perspective.

**Note:** There is no substitution of education for specialized experience at the GS-14 level.

**Experience** refers to paid and unpaid experience. Examples of qualifying unpaid experience may include volunteer work done through National Service programs (such as Peace Corps and AmeriCorps), as well as work for other community-based philanthropic and social organizations. Volunteer work helps build critical competencies, knowledge, and skills; and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.