

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

### Major Duties for This Position May Include:

- Provides scientific advice in coordinating and maintaining public health informatics project goals, objectives, and priorities within a CIO and in the public health community.
- Performs scientific work responsible for evaluating and developing approaches for strengthening the standardization and utility of national health information systems, their products, policies, and processes, with specific emphasis on electronic data interchange and electronic media.
- Provides advice on the application of IT to the development and promotion of uniform data elements in national health information systems.
- Manages projects involved with public health informatics and serves as a subject matter expert in the design and implementation of IT systems integrating epidemiologic and other information from a scientific perspective.

### Related Competencies

- Data Analysis and Interpretation
- Needs Assessment
- Public Health Knowledge
- Data and Information Synthesis
- Oral Communication

### Basic Requirements

Bachelor's, graduate, or higher-level degree in a 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 ([external link](#)) 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 experience:

- Assisting in identifying public
- Assists in preparing comprehensive reports that include discussion of substantive issues related to data science methodology for public health surveillance health issues and their impact on public policies or scientific studies or surveys

### 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:

- Identifying and characterizing biological and/or other agents that cause several diseases; prepare reports on scientific investigations, studies, and projects.

### 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:

- Analyzing public health issues and their impact on scientific operations
- Assists laboratory scientists in the design of laboratory/ bio-informatics tools
- Identifying and characterizing biological and/or other agents that cause several diseases

### 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:

- Conducting audits, investigative studies, or continuing specialized projects of laboratory functions
- Quality data analysis and evaluation to use findings, new developments and/or modified processes to resolve novel, obscure, or highly controversial problems
- Conduct studies design to collect, analyze, and interpret highly specialized scientific data as part of epidemiological studies

**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:

- Analyzing laboratory software and public health policy initiatives, direction, and issues to make recommendations to improve the information systems
- Develop and coordinate epidemiological and other biological science and related field policies
- Develop and utilize statistically valid protocols for evaluating data quality and establishing data quality systems.

**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:

- Advising on the development and implantation of data elements in national health information systems
- Prepares reports related to data science methodology for public health surveillance
- Consults on IT systems integrating epidemiologic and other related information.

**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.