

## 1530 – Statistician

### Major Duties for This Position May Include:

- The incumbent serves as a recognized expert and advisor in the application of statistical applications for complex and diverse public health use cases.
- Provides expert analysis and data interpretation to a broad range of data users, including both expert and lay users of complex public health data sets.
- Consults with epidemiologists, statisticians, computer scientists, and public health professionals concerning ongoing and established studies.
- Assists in the preparation of comprehensive reports that include discussion of substantive issues related to methodology for public health surveillance and related applications, assessment of the adequacy and quality of data used in the analyses, and explanation of the methods, results, and relevance to the health issue under study.

### Related Competencies

- Data Analysis and Interpretation
- Data Monitoring
- Quantitative Theories and Methods
- Customer Service
- Problem Solving

### Basic Qualifications

**Degree** that includes 15 semester hours in statistics (or in mathematics and statistics, provided at least 6 semester hours were in statistics), and 9 additional semester hours in one or more of the following: physical or biological sciences, medicine, education, or engineering; or in the social sciences including demography, history, economics, social welfare, geography, international relations, social or cultural anthropology, health sociology, political science, public administration, psychology, etc. Credit toward meeting statistical course requirements should be given for courses in which 50 percent of the course content appears to be statistical methods, e.g., courses that included studies in research methods in psychology or economics such as tests and measurements or business cycles, or courses in methods of processing mass statistical data such as tabulating methods or electronic data processing.

**Or**

**Combination of education courses as shown above, plus additional education or appropriate experience** should include a full range of professional statistical work such as sampling, collecting, computing, and analyzing statistical data. Applying statistical techniques such as measurement of central tendency, dispersion, skewness, sampling error, simple and multiple correlation, analysis of variance, and tests of significance.

## Minimum Qualifications

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

### 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:

- Planning and conducting studies, using statistical methods and techniques to analyze scientific data and report study results.

#### Or Education

Ph.D. or equivalent doctoral degree **or** three (3) full years of progressively higher-level graduate education leading to such a degree **or** LL.M., 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 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:

- Planning and conducting research studies, incorporating statistical methods and techniques, to identify, analyze, and report on emerging public health issues and problems (e.g., the causes, incidence, and cost of accidents, disease, and/or disabling illnesses).

**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:

- Designing and conducting statistical and epidemiologic research, analyzing, and interpreting scientific data from national surveys and/or other data systems reporting on health topics and preparing comprehensive reports.

**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:

- Providing national and international measurement and statistical guidance, consultation, and assistance in the design, analysis, methodology and presentation of disability from national survey data
- Conducting and publishing research on population functioning and disability, reflected in a record of research publications on these topics

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

## GS-15 Specialized Experience Requirements

You must have one year of specialized experience at a level of difficulty and responsibility equivalent to the GS-14 grade level in the Federal Service. Specialized experience for this position includes:

- Designing, implementing, and collaborating on survey methods and measurement research projects
- Disseminating comprehensive scientific information through professional presentations and scientific manuscripts

**Note:** There is no substitution of education for specialized experience at the GS-15 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.