

0110 – Economist (Data Scientist)

Major Duties for This Position May Include:

- Provides economic guidance and expertise on the health and economic consequences of alternative programs, policies, and legislative proposals affecting public health and disease prevention.
- Ensuring quality of data gathering, analysis, creating an algorithmic solution while learning to master programs in surveillance, research, and prevention.
- Develop online economic evaluation trainings, guidance for collecting cost/economic information.
- Evaluates the quality and feasibility of obtaining large and complex claims databases for use in economic studies.

Related Competencies

- Economic Evaluation
- Economic Knowledge
- Public Health Knowledge
- Data Analysis

Basic Requirements

Degree in economics that included at least 21 semester hours in economics and 3 semester hours in statistics, accounting, or calculus.

Or

Combination of education and experience that includes courses equivalent to a major in economics, as shown above, plus appropriate experience or additional education.

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:

- Developing program goals, methods of study, and data systems related to economic
- Monitoring changing requirements in health economic data relating to health care systems.

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:

- Draft and recommend innovative economic and econometric methods related to the collection, analysis, and communication of public health surveillance information
- Conducting data analysis with specialized statistical/econometric software

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:

- Monitoring changing requirements in health economic data relating to health care systems
- Evaluating community-wide prevention strategies with a focus on disease burden and exposure, scalability of interventions, and economic impact

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:

- Assessing the regulatory impact analyses and other economic impact analyses of significant regulations or policies
- Developing and/or coordinating roundtables and webinars on health economics and prevention effectiveness

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 and interpreting the economic impact of proposed health policies
- Develops and submit guidelines for review and approval regarding conducting and presenting highly complex economic studies.

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:

- Identifying deficiencies and limitations in existing relevant health economics research and recommending corrective action.
- Devising methods for acquiring data that can be used to calculate the economic cost.

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.