

# Job Description

**Job Title:** Statistical Analyst

**Department:** Ctr for Health Info Partnerships

**Job ID:** 35752

**Percent Full Time:** 100

**Location:** Chicago Campus

**Grade:** EXS 8

## **Job Summary:**

The mission of the Center for Health Information Partnerships (CHiP) is to bring people, communities, and data together to enable everyone to live their healthiest lives. Utilizing new ways of thinking, innovative methods, and interdisciplinary partnerships, we aggregate and analyze health information across institutions and disciplines to positively affect individual and population health. CHiP has a vision for “information-driven health for all.”

The Statistical Analyst partners with clients to design, develop, implement and maintain business solutions regarding data management and analysis. This includes database administration, data consolidation, data analysis and management reporting. This role utilizes software to generate metrics and develops actionable recommendations. Collaborates with various function teams such as marketing, research, and IT to achieve business results.

## **Specific Responsibilities:**

### *Strategic Planning*

- Manages and plans for data/analysis requests and projects.
- Provides consultation to customers on appropriate data management, methodological issues and statistical analyses.

### *Administration*

- Reviews reports before presentation to ensure quality and accuracy.
- Develops and maintains documentation of process for quality assurance and reporting methodology
- Defines, develops and communicates new standards and best practices

### *Development*

- Develops queries and quality metrics.
- Interprets results using a variety of techniques, ranging from simple data aggregation via statistical analysis to complex statistical analysis.
- Determines data structure for local datasets.

### *Supervises*

- Provides work direction and/or supervises staff such as team members, subordinates, contractors, vendors, students, etc.
- Recommends staff hires/terminations.
- Coaches and mentors staff.

*Other duties as assigned.*

**Minimum Qualifications:**

- Successful completion of a full 4-year course of study in an accredited college or university leading to a bachelor's or higher degree; OR appropriate combination of education and experience.
- 4 years data analysis/report writing or similar experience required.
- Please see information highlighted below-
  - Infrastructure (extends across applications): Code Repositories (Git, Subversion), SQL/MySQL/Postgres.
  - Programming Languages and Frameworks: PL/SQL, Python, SAS, XML, other statistical software such as STATA, R, or Python.
  - Compliance: HIPAA, IRB.
  - Analytical: Critical thinking, data mining, data modeling, database design/data structure, decision making, metadata creation and management, problem solving.
  - Project: Code documentation, collaboration and teamwork, organizational skills, workflow development & documentation.

**Minimum Competencies: (Skills, knowledge, and abilities.)**

- Experience using SQL and statistical software (such as SAS, STATA, R or Python) and a strong statistical background.

**Preferred Qualifications: (Education and experience)**

- M.S. in statistics/biostatistics or Master's degree in another related field with a strong statistical background.

**Preferred Competencies: (Skills, knowledge, and abilities)**

- Experience using large secondary data (e.g. medical claims data)
- Experience using quasi-experimental and non-randomized design techniques.
- Experience working with EHR (electronic health record)
- Knowledge of health data

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