Healthix

Role: Healthcare Sr. Data Analyst on the Healthix Strategic Data Services team

Company Overview:
Healthix is one of the largest health information exchanges in the US with participants throughout New York City and Long Island. We currently have over 450 participants with over 1,500 facilities providing clinical data on over 16 million patients. Over the next year, Healthix expects to add hundreds of new participants and data feeds.

Position Summary
To support Healthix's strategic objective to provide actionable data to providers, we are seeking a Data Analyst to help identify, analyze, and execute the organization's Data Quality initiatives.

Reports to Director, Strategic Data Services

Description of Tasks and Responsibilities

- Leverage strong analytical skills to support Healthix's Data Quality initiatives – Data Completeness, Data Standardization, Data Consistency, Monitoring and Reporting, Participant Access to Healthix Data, Input and Collaboration.

- Collect, organize, analyze, and interpret data. Identify trends or patterns in complex and large data sets. Demonstrate innovative and critical thinking skills by developing new conclusions based on findings.

- Trace messages, review messaging processing, and identify potential points of failure in the Healthix system. Communicate findings and make recommendations to enhance Healthix's Monitoring and Reporting efforts.

- Perform end to end encounter data analyses to identify potential issues with data coming from Healthix Participants. Work with Healthix Participants to understand and document common workflows and common deviations from expected workflows. Compare data Healthix is receiving against data stored in databases and displayed in the Healthix portal to reveal potential data quality issues. Develop and maintain detailed workflows, issue logs, and data remediation plans.

- Reference Healthix analytics tools to identify Data Quality improvement opportunities, e.g. gaps in data, data not adhering to a standard, etc.

- Work closely with Software Quality Assurance Analyst on the analysis and testing of patterns or issues observed in the data.

- Easily communicate and present findings and complex ideas internally and externally. Work with Healthix Participants to understand data / interfaces better, request clarifications, and remediate outstanding data quality issues.

- Translate findings into reports, leveraging strong knowledge of and experience with reporting packages / programs. Disseminate information with attention to detail and accuracy.

- Demonstrate strong project management skills and ability to manage Data Quality initiatives.

- Support ad hoc requests to understand data elements received, stored, and displayed better, as well as data "pushed" to Healthix participants

- Leverage familiarity with clinical workflows in the analysis and interpretation of Healthix data

- Conduct annual Functional Data Quality Audits with Participants to confirm adherence to Data Quality standards, and identify and address issues observed with data

- Collaborate with Management to prioritize Data Quality issues that need to be investigated and resolved

- Work closely with Software Quality Assurance Analyst, Healthix MDM/MPI specialist, and interface analysts/engineers while performing job functions.

- Work with InterSystems HealthShare and IBM Initiate products to perform tasks. Prior knowledge is not necessary.

Qualifications

- Education

  - Bachelor required, Master desired in a healthcare-related field (Public Health, Health Information Management, Biomedical Informatics, Healthcare Administration, Healthcare Outcomes Research, etc.)

- Technical Skills

  - Expertise in hospital/healthcare clinical workflow - required

  - Experience working in healthcare/clinical data (Meaningful Use, Medicare/Medicaid claims data, ICD, CPT, Clinical Research, EMR Report Writing, etc.) – required

  - At least 3 years' experience using SQL (should know how to use different type of joins, subqueries and SQL functions to return required data values)– required

  - Demonstrate ability to clean data and perform data validation checks -required

  - Experience with HL7 v2 and v3 – required

  - Data management and modeling for analysis (OLAP,OLTP, Dimensions, Facts, Cubes, etc.)–required

  - Familiarity using ETL tools (e.g. ability to query, merge and transform large datasets using regular expressions) – required

- Experience with relational databases (SQL Server, Cache, Oracle, MySQL, MongoDB, etc.) –required

- Strong understanding of healthcare IT project management (EMR implementations, healthcare data analytic implementations for report and dashboard development, etc.)- desired

- Understanding of patient security and HIPAA compliance for data – required

- Experience with business intelligence tools (SAP Business Objects, SSIS, Tableau, Qlikview)–required

- Familiarity with interface engine tools (Cloverleaf, Ensemble) – highly desirable

- Basic statistics (counts, mean, standard deviation, etc.) using of the following statistical packages (SAS, SPSS, Stata, R) – highly desirable

- Familiarity with InterSystems Software Suite (Healthshare, Ensemble, Cache, DeepSee)– highly desirable

- Experience in at least one other programming language (Python, Java, C#, Objectscript, etc.)- highly desirable

- Experience in data visualization and dashboard development– desirable

- Familiarity of IBM Initiate software using SQL Server – desirable