

INFORMATION SYSTEMS MANAGER

Company: Arbor Research Collaborative for Health

Description

Arbor Research Collaborative for Health, the internationally respected not-for-profit health outcomes research organization based in Ann Arbor, Michigan seeks an Information Systems Manager to work on complex projects involving multiple technologies and multiple streams of data.

BASIC FUNCTION AND RESPONSIBILITY

- Coordinate and oversee the data needs of the Scientific Registry of Transplant Recipients (SRTR). Organize solutions for developing, documenting, disseminating, and archiving analytical files for both internal and external researchers.
- Serve as the primary information architect for a wide range of research data collection and data management projects. Ensure that the data and application needs are met through ensuring proper database design that is responsive to research, project management, and applications needs.
- Supervise database development programming activities, in both SQL and SAS, including both primary supervisees (direct reports) and helping other staff with data work.
- Serve as a liaison between the Arbor Research programming team and external data requesters and suppliers of data. Provide technical assistance to these users.
- Implement a comprehensive testing system for all database solutions supervised. Coordinate this testing with testing implemented by the Applications Manager.
- Work with other Information Systems Managers to coordinate a library of reusable database programming tools (SAS macros, SQL stored procedures, functions, database conventions). Ensure that relevant staff are familiar with their use and availability.
- Mentor programmers and analysts in programming techniques, focusing on SAS and SQL.
- Participate in process of seeking new funding sources and research opportunities; Explore and develop new data system plans for project proposals with foundations, corporations, and federal agencies
- Represent Arbor Research at meetings and conferences to gain exposure and visibility in health information and research community

SUPERVISION RECEIVED

General supervision is received from the Director of Information Systems. Close collaboration with other IS Managers and the Application Development Manager.

SUPERVISION EXERCISED

Supervise data management and database design staff. Additional mentoring in the area of database design and data management, in both SAS and SQL, for other employees with cross-functional jobs that include some data manipulation needs.

Requirements

REQUIRED QUALIFICATIONS

- Master's degree in a related field plus 5 years progressively more responsible programming experience; or an equivalent combination of education and experience
- Excellent organization skills
- Strong supervisory, teaching, and verbal/written communication skills
- Fluency with SAS data management tools, including advanced data step, proc SQL, and SAS Macro.
- Fluency with MS SQL Server, including managing complex joins, cursors, stored procedures, and functions.
- Proficiency with statistical concepts and study design

DESIRABLE QUALIFICATIONS

- Experience as a team leader or mentor
- Health research background
- Understanding of object-oriented applications development capabilities.
Collaborative experience with advanced front-end applications development.