

Position Title: Clinical Database Programmer/Analyst, (Office of Biostatistics & Quantitative Health Sciences (BQHS), University of Hawaii John A. Burns School of Medicine;
<http://biostat.jabsom.hawaii.edu>)

Duties & Responsibilities: Under general supervision the Clinical Database Programmer/Analyst will work closely with BQHS staff and research collaborators to develop and maintain databases for clinical trials and clinical research studies. Develop new electronic data capture (EDC) instruments using EDC systems such as OpenClinica, Microsoft Access, REDCap, etc., to accurately and securely collect study data; provide programming support and respond to inquiries from BQHS faculty and staff, and research collaborators for analysis of large and complex clinical databases; provide training and technical assistance to end users, including developing operation procedures and data dictionaries; develop web applications in support of clinical trials and research projects; serve as BQHS liaison with JABSOM IT and UH ITS; and perform related tasks as assigned.

Position Qualifications: Minimum Qualifications: Bachelor's Degree in Computer Sciences or a related field. At least three years of full-time experience as database programmer/analyst in a biomedical research setting or pharmaceutical/biotech/CRO industry with demonstrated professional maturity. Extensive knowledge on the principles of database design and management. Demonstrated experience with designing and implementing databases in response to and in anticipation of study needs. Good understanding of data collection methodologies and experience developing queries and reports from large, complex data sets (e.g., survey, administrative claims, clinical). Object-Oriented programming skills using Java, C# or other programming language (e.g., C++/C, Visual Basic) and at least one scripting language. Ability to prepare effective training materials for technical and non-technical users and demonstrated skills to communicate technical information to non-technical users. Experience in database design and ETL process with one Relational Database Management System (RDBMS), SQL Server, Oracle or DB2. Demonstrated ability to plan, organize, and prioritize assigned activities. Ability to work both independently and as part of a team and adjust priorities in coordination with other BQHS faculty and staff. Ability to communicate with other departments to coordinate clinical study needs and make improvements to processes. Ability to maintain highly sensitive, confidential material and be compliant with protected health information privacy rules. Self-motivated and enjoy the challenge of analyzing complex problems and independently developing possible solutions. Good oral and written communication and interpersonal skills. Must be able think critically. Self-motivated and enjoy the challenge of analyzing complex problems and developing possible solutions. Preferred Qualifications: Graduate level training or degree in Computer Sciences or a related field. Experience working in a clinical trial data coordinating center and familiar with medical terminology. Experience working with statisticians and basic knowledge of SAS or/and R packages. Experience working in a UNIX/LINUX environment, and working with EDC systems such as REDCap, Microsoft Access, OpenClinica, etc. Experience handling large data such as electronic health records, administrative claims data, or national survey datasets. Prior experience with clinical trials and biomedical research study protocols and guidelines. Knowledge of system administration fundamentals using Windows, UNIX/Linux. Knowledge of network administration fundamentals.

To Apply: Please submit cover letter indicating how you meet the minimum and preferred qualifications, CV, copy of school transcripts, and names and contact information of at least three professional references to the University of Hawaii JABSOM Office of BQHS at qhsjobs@hawaii.edu