



Data Coordinating Center

Jackson State University

Research Centers in Minority Institutions (RCMI) Translational Research Network (RTRN) Data Coordinating Center (DCC) at Jackson State University offers comprehensive study support. The RTRN DCC provides expertise in study design; development of computerized, web-based data collection and tracking systems, and statistical analysis methods. The DCC utilizes a variety of industry-leading applications as well as custom-designed technologies to support multi-site research projects.

SERVICES & SUPPORT

Clinical Data Management

Our Data Management experts offer leadership and support from study start-up to database lock. Our data management team provides clinical oversight, quality control and monitoring while utilizing industry leading applications to capture regulated and non-regulated clinical trial data.

Data Safety and Monitoring

Our team is well-versed in Good Clinical Data Management Practices (GCDMP), ICH Guidelines and all applicable laws and regulations for implementing FDA-regulated and non-regulated studies.

Statistical Analysis

Our Biostatistical experts provide detailed statistical analysis and planning for clinical trials and epidemiological, community, and animal experimental studies. Direction from our statistical team ensures the selection of the appropriate sample size and statistical design that best supports the hypotheses.

Technology Integration

The RTRN DCC's technology specialists develop customized, state-of-the-art applications and solutions to meet the diverse technology needs of the investigators.

Project Management and Communication

The RTRN DCC's experience handling study logistics includes training, meeting coordination, communication technology, multi-media support as well as document development and management.

Resources Discovery

Utilizing advanced technologies, our professionals expedite the discovery of unique scientific resources and expertise available across the national research community.

Technologies and Resources

The Center's portfolio of study management tools offers a user-friendly environment for data capture, project management, reporting and addressing adverse events (AEs) and serious adverse events (SAEs) for regulated and non-regulated studies. The Center's technology platforms consist of Oracle Siebel Clinical Trial Management System (CTMS), Oracle Clinical Remote Data Capture (OCRDC), REDCap, and Argus Safety. Our SAS statistical software is constantly updated to reflect the latest methodologies for advanced analyses. The DCC offers a variety of web conferencing and video conferencing services and support to empower study teams dispersed across various geographic locations.

Partnering with the RTRN Data Coordinating Center (DCC) ensures study success.

RTRN DCC PROJECT HIGHLIGHTS

The Effect of Cholecalciferol (Vitamin D3) on Vascular Function and Cardiovascular Risk Factors (2009-2011)

The RTRN DCC provided comprehensive study support which included protocol review, development of case report forms and a manual of procedures, provision of a data entry and management system, regulatory reporting, data analysis and manuscript preparation. This multi-site proof-of-concept project has enabled RTRN to establish systematic approaches for conducting effective and efficient FDA-compliant clinical trials.

Minority Health Genomics and Translational Research Bio-Repository Database (2010-2013)

The RTRN DCC served as the Biostatistics and Data Management Core (BDMC) for the MH-GRID project. Using collaborative technologies, the Center play a central role in training research personnel and project coordination. Statistical expertise was provided on the design and conduct of the study as well as the analysis and interpretation of the data. Additionally, the DCC has developed customized electronic case report forms and maintained a secure, high-quality research database. The MH-GRID Network Infrastructure expands the diversity of genomic resources relevant to clinical research and serves as a platform to fill a major knowledge gap in the areas of genomics and health disparities. MH-GRID focuses on establishing Electronic Health Records (EHR)- linked bio-informatics/biorepository infrastructure that facilitates in-depth genotyping, phenotypic characterization and longitudinal surveillance of minority patients.

Adherence to HIV Anti-Retroviral Therapy

The RTRN DCC will provide comprehensive study coordination including data management and biostatistical support for this international study. The DCC is working with study sites in Puerto Rico, Haiti and Jamaica to determine the adherence rate to highly active Anti-Retroviral Therapy in these culturally diverse populations. The study will help to determine common or unique predictors of adherence. The results will assist in the development of interventions to increase adherence and reduce the cost associated with caring for HIV-infected people in the Caribbean.

Research Resources and Research Networking

The RTRN DCC was among the nine institutions which founded the national consortium- led by Harvard University, named the eagle-i Network. The goal of the Network is to give greater visibility to scientific resources located in laboratories and facilities across the country. The DCC is responsible for inventorying and maintaining a portfolio of 25,000 instruments, biological specimens, human studies, organisms, reagents, software, and core laboratories across the 18 RTRN member-institutions. Connecting with experts in clinical, basic and behavioral research and in statistics and informatics and is facilitated by the online Profiles Research Networking Software. The system allows investigators to identify research partners, mentors and other scientific and technical expertise needed to form research teams.

“Overall, working with the RTRN DCC was a very good experience for me as the Program Director and an active researcher in the area of cancer proteomics.”

Guangdi Wang, Ph.D., Xavier University of Louisiana

“The DCC maintains high-quality systems and applications that ensure the security and integrity of research data.”

Lee Nadler, M.D., Harvard Medical School

“They have been instrumental to the success of our multi-site research endeavors.”

Naureen Tareen, M.D., Charles Drew University of Medicine and Science



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