**Contact Us**

**Sam Morley, M.S.**  
Manager  
Biomedical Informatics  
Phone: 916-703-9193  
samuel.morley@ucdmc.ucdavis.edu

**Kent Anderson, M.S.**  
Associate Director  
Phone: 916-703-9123  
kent.anderson@ucdmc.ucdavis.edu

**Rates for Services**  
You may request a complimentary initial consultation to determine the scope of the project and establish a budget (when appropriate). Several services are available at no charge, while others will transition to a standardized recharge model. Please contact us to discuss the current rates for services.

**UC Davis CTSC**  
Biomedical Informatics

Providing data planning and implementation to researchers

Database Development and Management  
EMR Data Retrieval and Cohort Discovery  
Terminology Services  
Training

**UCDAVIS**  
CLINICAL AND TRANSLATIONAL SCIENCE CENTER  
www.ucdmc.ucdavis.edu/ctsc

**CTSA** Clinical & Translational Science Awards

The UC Davis CTSC is a member of the national CTSA consortium and supported by award TR000002 from the National Institutes of Health’s National Center for Advancing Translational Sciences. The Clinical and Translational Science Awards (CTSA) is a registered trademark of DHHS.
Overview
CTSC Biomedical Informatics services focus on data management, database development and maintenance, data retrieval from the EMR, and training. The group provides various research tools to make the process of research easier. Available tools include: REDCap, Cohort Discovery (i2b2), and UCREx Data Explorer.

Consultation
Conduct a preliminary discussion to determine the scope and needs of a specific project.

Data Management Services
- Determine data specifications
- Supply consistent terminology
- Provide text for use in the informatics sections of grant applications
- Deliver cohorts of de-identified data to establish study feasibility
- Provide assistance in preparation of a data set for statistical analysis

Terminology Services (i.e., ICD-9, ICD-10, HL7)
Establish consistent terms used for research data sets.

Education and Training
One-on-one and group training is available for REDCap, Cohort Discovery, and UCREx Data Explorer. Check the CTSC Biomedical Informatics web page for links to registration for regularly scheduled training.

Cohort Discovery
Cohort Discovery is a software tool that enables researchers to query a repository of patient information gathered from multiple sources, including electronic medical records, lab results, and demographic data. This information is then de-identified using recognized best practices.

Data Retrieval from EMR
Request extraction of identified or de-identified, IRB-approved clinical data for retrospective analysis and prospective follow-up. Researchers frequently submit this request following an exploratory query using the Cohort Discovery tool.

Data Explorer
The University of California Research eXchange (UC ReX) Data Explorer, is a secure, Web-based system that enables UC investigators to identify potential research study cohorts from 12 million de-identified patient records at the five UC medical centers. The output of each query is a numeric count of cohorts, sorted by site, that match the criteria identified in the query. The numeric counts can be used to assess the feasibility of a study or hypotheses by identifying whether there are sufficient prospective subjects within the UC system.

Learn more about REDCap Data Management Software at:
www.ucdmc.ucdavis.edu/ctsc/redcap/