

Bio-statistical, Database and Bioinformatics Support for LSU Investigators through the Louisiana Clinical and Translational Science Center (LACaTS):

Statistics. The LACaTS Biostatistics and Epidemiology Core helps support investigators with statistical design and data analysis of research projects. This Core primarily works with early career investigators at no cost who require statistical assistance for projects, which are necessary for grant preparation and submission, or for publication of their research data in peer-reviewed journals. This Core may be a good initial starting point for consultation regarding planning and design of a research project. Please be aware that the consultant may not necessarily be an LSU faculty member.

Questions regarding statistics consultation and support provided through this program should be directed to Dr. Robbie Beyl (robbie.beyl@pbrc.edu). Official requests for support through LACaTS must be made through the LACaTS SPARC portal here: <https://sparc.lacats.org>. Help with registering for support through SPARC can be obtained from Dr. Beyl: (robbie.beyl@pbrc.edu) or Brian Melancon: (brian.melancon@pbrc.edu).

Database (REDCap) Support. LACaTS Center offers training, design, and implementation assistance to utilize the REDCap (Research Electronic Data Capture) database. REDCap is a web-based data capture tool that does not require client local software and can be accessed from anywhere on the Internet. REDCap is actively supported by a consortium of over 1,870 active institutional partners. Features include:

- A stream-lined process for rapidly building a database and/or online surveys
- An intuitive interface for collecting data
- A data quality module with the option of a query management tool
- Differentiated user roles
- Comprehensive auditing to record and monitor access and data changes
- Advanced features such as branching logic, file uploading and calculated fields
- Automated export procedures of raw data and syntax files for SAS, Stata, R, and SPSS

To ask questions about this database service, contact the LACaTS Center REDCap resource here: Redcap@pbrc.edu. To directly request service please apply through the LACaTS SPARC portal here: <https://sparc.lacats.org>. Please contact Brian Melancon brian.melancon@pbrc.edu for assistance with SPARC applications.

Biomedical Informatics. The LACaTS Biomedical Informatics core provides services to enhance both the quantity and quality of translational research, extending from idea generation to use of clinical decision support systems to implement findings from research. This Core facilitates collaboration between LACaTS Investigators and institutions. To discuss services provided or contact Core personnel, click here: biomedinformatics@lacats.org. To directly request a Biomedical Informatics service through the LACaTS Center's please use the SPARC portal here: <https://sparc.lacats.org>. Please contact Brian Melancon at: brian.melancon@pbrc.edu for assistance with the SPARC application.