CCTS Biostatistics, Epidemiology & Research Design (BERD)
Robert Oster PhD, David Redden PhD, and Gerald McGwin, PhD Co-Directors
University of Alabama at Birmingham

MISSION
The CCTS BERD provides consultation, guidance, and expertise for study design, data management, and statistical analysis of research at UAB and throughout the UAB CCTS Partner Network. The purpose of this Core is to gather methodological expertise as a single coordinated resource and match individual methodological skills and interests with study-specific research needs.

SPECIFIC AIMS
1. To provide methodological collaboration in the design of a wide-array of study types (Pilot, Observational, Randomized) and funding mechanisms (Career Development (K), R series, Program Projects).
2. To provide methodological consultation on the design of databases, database quality control, and the statistical analysis of collected data
3. To provide continuing education in methodology approaches to the CCTS research base through methodology seminars, workshops, mini-courses, and on-line courses/material.

DROP-IN CLINICS OFFERING BIOSTATISTICS EXPERTISE FOR ANYONE
- Study Design
- Sample Size and Power Calculations
- Data Analysis
- Data Management
- Display of Data and Results
- Interpretation of Results
- Statistical Software

Mondays 10am to 2pm in The Edge of Chaos
Wednesdays 11:30am-1pm PCAMS Building, 1924 7th Ave South
Other times available by appointment (ccts@uab.edu)

Robert Oster, PhD Professor of Medicine. Dr. Oster has more than 20 years of experience in the design and analysis of clinical trials and medical and public health studies. He has been involved in the development and analysis of projects/grants in nutrition, diabetes, obesity, cancer, pediatric and adult pulmonology, nephrology and renal disease, and pathology. His statistical research interests include categorical data analysis, longitudinal data analysis, modern statistical computing methods, and clinical trials methodology.
Office: MT642  Phone: (205) 934-4262  Email: oster@uab.edu

David Redden, PhD Professor, School of Public Health. Dr. Redden has 22 years of collaborative experience in designing and analyzing clinical studies. He has been involved in the development and analysis of projects/grants in diabetes, obesity, tuberculosis, asthma, nutrition, rheumatology, and gerontology. His methodology research focuses on power calculations, analysis of group randomized small cluster trials, and regression methodology.
Office: RPHB 309D  Phone: (205) 966-0376  Email: pli@uab.edu

Kimberly Martin, PhD Assistant Professor, Department of Epidemiology. Dr. Martin’s expertise is cardiovascular and stroke epidemiology. She is involved in the development and analysis of projects in obstetrics/gynecology, urology, pediatrics, internal medicine, cardiovascular disease, and neurology. Her research focuses on individual, provider and community-level factors affecting health care quality for chronic disease management among minority populations.
Office: RPHB 210D  Phone: (205) 975-5792  Email: martinkd@uab.edu

Paul A. MacLennan, PhD Associate Professor of Surgery and Associate Director of Transplant Analytics, Informatics & Quality. He has 18 years of collaborative experience that includes health disparities, healthcare utilization, injury and trauma, geriatrics, and cancer incidence. He has utilized local and national sources of primary and secondary data for cross-sectional, retrospective, prospective, and longitudinal study designs and data analyses. He has expertise in data management and data linkages and methods for addressing missing data.
Office: LHRB 790D  Phone: (205) 934-0595  Email: pmaclennan@uabmc.edu