Pediatric Data and Biostatistical Analysis Support Services

The PREP office provides data and biostatistical support to all faculty within the Department of Pediatrics.

**Data Support:**

The goal of the data support team is to assist investigators in data extraction, collection, management and analysis using a wide variety of different databases and tools.

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**Data support includes:**
1. Data extraction and analysis from the Intermountain Healthcare enterprise data warehouse (EDW)
2. Data extraction and analysis from the Pediatric Health Information System (PHIS) database
3. Data linkage and analysis to other available and accessible databases such as the Utah Department of Health (UDOH), Centers for Disease Control and Prevention (CDC), or Agency for Healthcare Research and Quality (AHRQ) Healthcare Cost and Utilization Project (HCUP-KID) databases.
4. Assist with University of Utah and/or Intermountain Healthcare Institutional Review Board (IRB) application and submission.
5. Assist with data management in a secure and safe environment following the Privacy Rule and Health Insurance Portability and Accountability Act (HIPPA) regulations.
6. Assist with creation of forms for data input into a database.
7. Assist with creation of a geodatabase and maps utilizing geographical information systems for spatial data analysis.

**Biostatistical Support:**

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**Study Design and Biostatistics Core, Center for Clinical and Translational Science (CCTS)**
http://medicine.utah.edu/ccts/sdbc/

The mission of the Study Design and Biostatistics Center (SDBC) is to advance high quality research at the University of Utah and affiliated institutions by:

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1. Providing expert collaborations for study design, health measurement, and statistical analysis
2. Developing novel methods and software for advancing clinical/translational research
3. Providing statistical and epidemiologic education to University researchers
4. The SDBC consists of 35 statisticians, epidemiologists and quantitative health scientists, including 22 at the PhD/MD level. We specialize in a wide variety of methods including clinical trial and observational study design, survey design and questionnaire development, item response theory and computer adaptive testing, statistical genetics and genomics, longitudinal analysis, linear and nonlinear mixed models, survival analysis, multivariate methods, modern causal inference, methods for patient-centered research, Bayesian modeling, computational statistics, cost effectiveness analysis, and diagnostic testing. We collaborate on more than 700 projects with over 350 investigators each year, with biomedical focus areas including cancer, internal medicine, pediatrics, orthopedics, OBGYN, surgery, ophthalmology, neurology and other specialties.