



Guidelines and Rate Structure

Children's Core for Biomedical Statistics currently offers assistance with

Grant proposal development / Study design, including

- Randomization and blinding
- Sample size determination / power calculations
- Sampling plan development
- Statistical methods / analysis plan development

Data Management, including

- Electronic data capture
- High-dimensional data storage

Data analysis, including

- Data quality control (e.g., screening data for errors and inconsistencies)
- Implementation of statistical methods
- Guidance for interpretation of statistical results
- Graphics creation

Proposal and manuscript review

All new requests for statistical support must be submitted through the [CCBS request portal](#).

Depending on the scope and needs of a project, statistical services may be provided by CCBS, qualified Children's Research Institute affiliates, or third-party contract service provider, Axio Research. CCBS will facilitate all aspects of the project lifecycle, including intake, completion, and billing.

Last-minute requests are challenging for everyone and cannot always be accommodated due to limited resources and time constraints associated with other projects. Deadlines should be noted in the initial request for support. Please contact CCBS regarding data analysis or grant development 2-3 months prior to a deadline in order for us to reserve time for your request.

Project Estimates. Prior to providing fee-based statistical support, requestor will receive an estimate of the scope of statistical support necessary for the project. If the scope of work changes or the work exceeds the previously agreed upon estimate, the estimate will be renegotiated. Statistical support is contingent on ability to pay (i.e., Lawson Activity Number) and on acceptance of a project estimate.

Fees. Statistical support services are charged at a flat rate of \$105-155/hour, depending on the statistical expertise required.

ITHS Investigators. Up to 2 hours of consultation with CCBS is available without charge to ITHS investigators with projects based at Seattle Children's or affiliated ITHS institutions. In addition, ITHS investigators writing multiyear grants that include a CCBS biostatistician with a minimum of 10% effort are eligible to receive up to 20 hours of pre-award consultation and writing assistance. For information about ITHS or about becoming an ITHS investigator, please visit the [ITHS website](#).



Guidelines and Rate Structure

Payment for services does not preclude authorship. If the statistician contributes in any substantial way to a publication—with advice, planning, or analysis—then he or she is entitled to be a co-author assuming that his or her material is used. In that case, the statistician also has responsibility for the publication as a whole as outlined by JAMA criteria.

Acknowledging CCBS. Please include the following acknowledgment in all publications supported by CCBS: *The Seattle Children's Center for Biomedical Statistics is supported by the Center for Clinical and Translational Research at Seattle Children's Research Institute and grant UL1RR025014 from the NIH National Center for Research Resources.*

Working with a Biostatistician. Projects run more smoothly when there is frequent, clear, and focused communication. This requires a strong commitment from both investigators and biostatisticians. We work on multiple projects simultaneously, and intervals between communications may vary. Do not hesitate to ask for an update!

Biostatisticians vary in background, skills, interests and expertise. Please let us know in advance if your study requires particular skills or background. We will attempt to match a biostatistician with your particular need.

Investigators also vary in statistical background, skills, and interest. If you have questions, please ask.

The Consultation. Consultations vary depending on specific project needs. The following is a simplified outline of an effective statistical collaboration.

Prior to the initial consultation, the investigator provides

- A brief description of study aims pertinent to the request for statistical assistance.
- If the study has been completed: A brief description of the study design (e.g., experimental design or sampling design), measurements, and variables of interest.
- In the design phase of a study: As much of the information above as has been decided.
- If data are available: A copy (de-identified, if possible) of the collected data.

During the initial consultation,

- The investigator and biostatistician review pertinent study aims, study design, and reason(s) for requesting statistical support.
- The biostatistician asks questions meant to clarify aspects of study design, variable definition/interpretation, and investigator needs and expectations.
- The investigator and biostatistician work together to define the project scope.

Following the initial consultation,

- The investigator continues to be available to answer questions relevant to the project.
- The biostatistician completes work as stated in the accepted project estimate.
- The biostatistician and investigator review the scope of the project outlined in the accepted estimate and agree that the scope of statistical support has been completed.