

# HNRCA Biostatistics and Data Management Core Services

HNRCA’s biostatistics and data management core service consults and assists in study design, implementation, and data analysis to support research activities with an emphasis on rigor, reproducibility and transparency.

We welcome partnering with HNRCA investigators on biostatistics and/or data management needs. The table below lists the services available and indicates whether they are HNRCA-supported services (no cost recovery) or services provided through cost recovery.

Research Phase	HNRCA-supported Services (No Cost Recovery)	Cost Recovery Services
<b>Study Planning; Grant Application Preparation</b>	<b>Grant Applications and Study Protocols</b> <ul style="list-style-type: none"> <li>• Grant critique/review</li> <li>• Study design</li> <li>• Power and sample size calculations</li> <li>• Analysis plan development</li> <li>• Randomization plans</li> <li>• Data management plan development</li> <li>• Strategies for data organization and cleaning</li> </ul>	<b>Data Preparation</b> <ul style="list-style-type: none"> <li>• Data set organization, merging, and formatting</li> <li>• Analysis file creation</li> <li>• Registration and management on ClinicalTrials.gov</li> <li>• Analysis of preliminary data</li> </ul>
<b>Intra Study; After Study Completion</b>	<b>Research Data Management Systems (RDMS) training</b> <ul style="list-style-type: none"> <li>• Training to address data management, data curation, and compliance with federal grant data management mandates</li> <li>• Guidance on statistics</li> <li>• Guidance on data analysis</li> <li>• Guidance on interpretation of results</li> </ul>	<b>Analysis</b> <ul style="list-style-type: none"> <li>• Statistical analyses</li> <li>• Bioinformatics analysis</li> <li>• Interpretation of results</li> <li>• Randomization</li> </ul> <b>Manuscript Preparation</b> <ul style="list-style-type: none"> <li>• Writing statistical methods and results section</li> <li>• Table preparation and graphics</li> <li>• Manuscript review</li> </ul>

## **HNRCALog Biostatistics and Data Management Core Unit**

### **Information on Requesting Services**

- To schedule a meeting to review the proposed project, needed support, and the study timeline, please contact
  - Senior Biostatistician, Dr. Kathryn Barger ([kathryn.barger@tufts.edu](mailto:kathryn.barger@tufts.edu)) for Statistical services,
  - Bioinformatics Specialist, Gregory Matuszek ([gregory.matuszek@tufts.edu](mailto:gregory.matuszek@tufts.edu)) for Bioinformatics and Data Management services.
- If services are Cost Recovery Services (see Core Services Table), Laura Davis ([laura.davis@tufts.edu](mailto:laura.davis@tufts.edu)) will develop the corresponding budget and request the funding source (if project already awarded) or potential sponsor (if project is being submitted for funding consideration).
- The Core Unit develops the budget based on the investigator's planned study activities. All official budgets must be developed by the Biostatistics and Data Management Unit. The Unit will only honor official budgets. Once the budget and timeline are finalized between the investigator and the Core Unit, and the funding source is provided, the work can then be planned to begin in the Unit.
  - If the investigator expands the scope of the project, a new budget is required.