

## BIostatistics, EPIdemiology & RESEARCH DESIGN CORE

### BERD

Access to highly trained and experienced statisticians at the forefront of methodological innovation has never been more critical for clinical and translational investigators. The Biostatistics, Epidemiology & Research Design (BERD) Core, with its experienced and methodologically sophisticated team of statisticians and epidemiologists, offers basic and clinical researchers invaluable expertise across the spectrum of scientific investigation.

More than 300 investigators are now using BERD for

- study design,
- developing clinical trial protocols,
- population-based research,
- genetic analytic methods,
- biostatistics analyses, and
- novel data-analytic methodologies.

As more studies are generating “big data,” including those using innovative high-throughput genomics/genetics technologies, medical imaging and healthcare administrative data, BERD’s staff is providing assistance in areas such as data dimension reduction and modeling and overall analysis of results. This support ensures that

- the study objectives and specific aims of new projects are clearly specified,
- hypotheses are formulated in a way that can be evaluated,
- primary and secondary endpoints are appropriately defined,
- sample size and power are sufficient, and
- the analysis is valid and comprehensive.

BERD faculty members have developed novel statistical approaches to address longitudinal studies, missing data, genomic data, clinical trials design and biomarker data. They also have developed statistical software for analysis of bead-array data, gene and network analysis and analysis of DNA sequencing data. They are developing new study designs for conducting clinical trials more efficiently and addressing the comparative effectiveness of established therapies more effectively.

### WALK-IN BIOSTATISTICS CONSULTING

Walk-In Biostatistics Consulting is available at offices on the East and West Campuses. Investigators are invited to drop by and receive advice about their projects from statisticians.



### Walk-in Statistical Center Hours

Einstein campus: Every Tuesday 3 – 5 pm, Belfer Building, Room 1006E

Montefiore campus: Every Monday 3 – 5 pm, Moses Research Tower, Room 8009