



UNIVERSITY OF HAWAII

Department of Quantitative Health Sciences

JOHN A. BURNS SCHOOL OF MEDICINE

Research, Research Support & Education

**Department of Quantitative Health Sciences
(DQHS)**

**Introduction to Research Opportunities for Medical
Students**

August 25, 2023

DQHS Research

DQHS serves as the quantitative health sciences specialized cores to several UH and JABSOM infrastructure grants, e.g., U54 OIa HAWAII, P20 INBRE.

Department Faculty Research Interest:

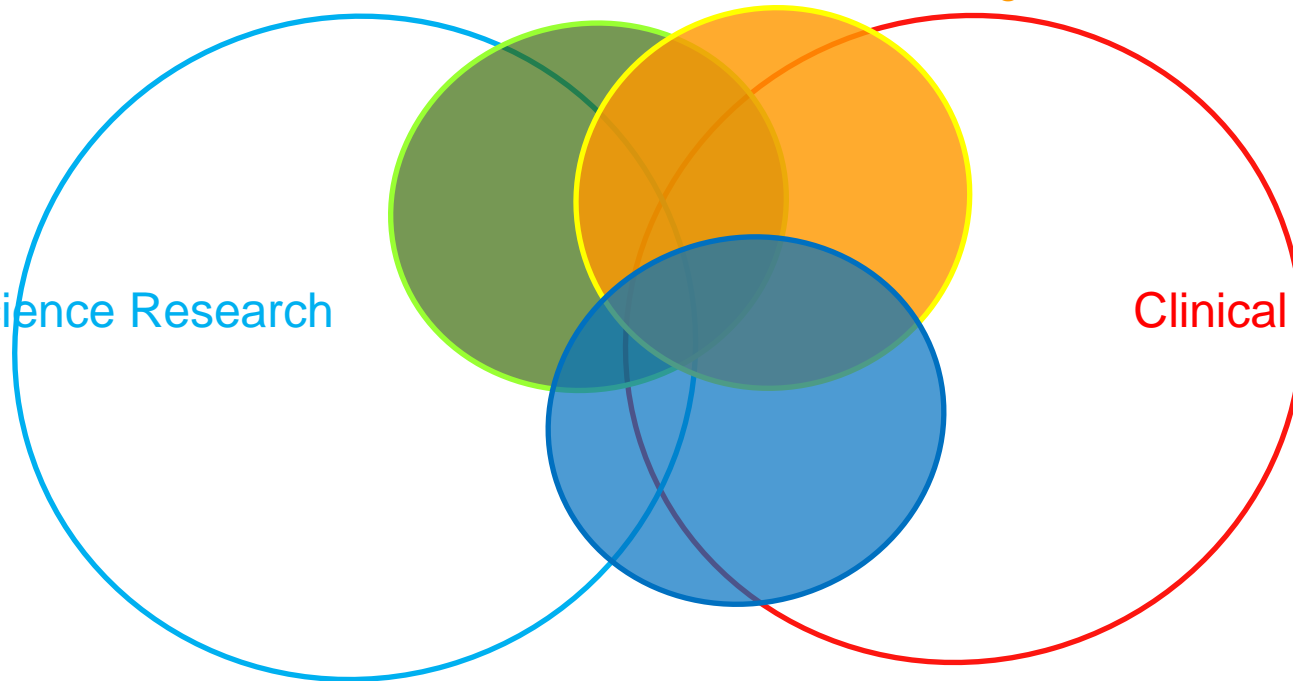
<https://qhs.jabsom.hawaii.edu/about-us/faculty-staff/faculty/>

Bioinformatics Methodologic and Collaborative Research

Biostatistical Methodologic and Collaborative Research

Basic Science Research

Clinical Research



Free Biostatistics Consultation for Medical Trainees



DEPARTMENT OF QUANTITATIVE HEALTH SCIENCES JOHN A. BURNS SCHOOL OF MEDICINE

[Home](#)[About Us](#)[Research](#)[Education](#)[Services](#)[Useful Links](#)[Contact](#)

Overview

A strong research design and biostatistics support play a critical role in the long-term success of clinical and translational research and education enterprises. Current research studies involve complex study design and generate complicated multivariate data, which require biostatistics expertise. The Biostatistics Core Facility under the Department of Quantitative Health Sciences provides biostatistical research support to basic science, clinical, and translational investigators. The core specializes in study design, data health management and data analysis, participates in grant proposal development, conducts methodology research, and provides education in biostatistics and other related areas.

For non-JABSOM medical trainees (i.e., UH-affiliated faculty or staff, or outside organization researchers) needing collaborative or fee-for-service biostatistical support, please fill out the form below:

[JABSOM Biostatistics Core Facility Request Form](#)

JABSOM medical trainees (i.e., medical students, residents or fellows):

You can directly schedule a consultation appointment through the Consultation Calendly link. Do not submit a separate JABSOM Biostatistics Core Facility request form. Projects that require data analysis are recommended to meet with a biostatistician at least 4 weeks ahead of the project deadline. Depending on the quality and complexity of data analysis, etc., more time may be required.

[Consultation Calendly](#)

qhs.jabsom.hawaii.edu/biostatistics-core/



Free Biostatistics Consultation for Medical Trainees

Consultation and support:

- Research Questions/ Hypotheses
- Study Design
- Data Collection tools and protocols
- Statistical Analysis Planning
- Data Cleaning and Preparation
- Statistical Analysis
- Interpretation of Results
- Dissemination

Strengthened UME Quantitative Research Education

- Three one-hour Biostatistics/Research Design lectures in MD1
- An one-hour biostatistics journal club session each in MD2, MD3, MD4, and MD6
 - ✓ Selected clinical papers matching the disease covered in the unit
 - ✓ Cover and review key statistical topics in a sequential order
- Selected DQHS Courses, available through both UHM and UH Outreach College:
 - BIOM 640 Introduction to Clinical Research (3 credits)
 - BIOM 641 Legal and Regulatory Issues and Bioethics (2; cross-listed: CMB 626)
 - BIOM 644 Translational Research Methods (2 credits)
 - BIOM 645 Clinical Protocol Development (3 credits)
 - BIOM 654 Medical Genetics (2 credits)
 - QHS 601 Biomedical Statistics I (3 credits; cross-listed with TRMD 655)
 - QHS 602 Biomedical Statistics II (3 credits)
 - QHS 610 Bioinformatics I (3 credits; cross-listed with TRMD 653)
 - QHS 611 Bioinformatics II (3 credits)
 - QHS 620 Introduction to Clinical Trials (2 credits)
 - QHS 621 Design and Analysis of Clinical Trials (2 credits)
 - QHS 650 Secondary Data Analysis (2 credits)
 - QHS 651 Secondary Data Analysis Practicum (2 credits)

Graduate Certificate in Clinical Research

Department of Quantitative Health Sciences
John A. Burns School of Medicine

BUILD YOUR CAREER IN CLINICAL RESEARCH

Application Deadline: May 30

ABOUT THE PROGRAM



15 graduate credits
in two semesters
or at your own pace



Tuition Costs:
\$650 per credit hour for HI residents
\$1,402 per credit hour for non-residents



Ideal for medical trainees,
gap-year students, and
health professionals

KNOWLEDGE/SKILLS

- Clinical research and trial design
- Statistical data analysis
- Clinical research protocol development
- Ethical conduct of clinical research

REQUIRED COURSES

- BIOM 640 (3 credits)
Intro to Clinical Research
- QHS 601 (3 credits)
Biomedical Statistics I
- BIOM 660 (2 credits)
Mentored Capstone
Research Practicum
- 7 credits of elective courses

POTENTIAL CAREERS

- Physician Researcher
- Clinical Research Coordinator
- Clinical Trials Manager
- Regulatory Associate
- Research Study Monitor

15 credits Graduate Certificate in Clinical Research

Questions?

Email: GradCTR@hawaii.edu

Website:

qhs.jabsom.hawaii.edu/education

JABSOM Dean's Certificate of Distinction in Research:

<https://hslib.jabsom.hawaii.edu/cod/>



✉ GradCTR@hawaii.edu

🌐 msctr.jabsom.hawaii.edu

