THE UNIVERSITY OF CHICAGO

THE CENTER FOR HEALTH AND THE SOCIAL SCIENCES

SUMMER PROGRAM IN OUTCOMES RESEARCH TRAINING (SPORT)

The **SUMMER PROGRAM IN OUTCOMES RESEARCH TRAINING (SPORT)** is an opportunity for faculty, fellows, and doctoral students at the University of Chicago to receive intensive training in outcomes research methods. During the Summer Quarter, students participate in three courses and four workshop series that enable them to acquire the skills needed to initiate an outcomes research project, including an introduction to coursework in Health Services Research, Clinical Epidemiology Research Methods, and Biostatistics. Additionally, the Research Proposal Development Workshop helps participants to develop a research proposal that can form the basis of an NIH or other career development award. Many students also use SPORT as a way to jumpstart the Master of Science for Clinical Professionals (MSCP) program.

3 COURSES + 4 WORKSHOPS

LEARN MORE AT

http://chess.uchicago.edu/SPORT

PROGRAM OVERVIEW

COURSES

Fundamentals of Health Services Research—CCTS 45200/PPHA 47900/PBHS 35000 This course is designed to provide an introduction to the fundamentals of health services research. The basic concepts of health services research will be taught with emphasis on both their social scientific foundations and the methods needed for their practical application to empirically relevant research. Theoretical foundations will draw on principles from economics, sociology, psychology, and the other social sciences. Methodological topics to be covered will include techniques for data collection and analysis, including outcomes measurement, survey methods, large data set research, population-based study design, community based participatory research, research based in clinical settings, qualitative methods, cost-effectiveness analysis, and tools of economic and sociological analysis. The theoretical and empirical techniques taught will emphasize those relevant to the examination of health care costs, quality, and access. Major applications will include: measurement and improvement of health care quality, analysis of health disparities, analysis of health care technology, and analysis of health care systems and markets.

Introduction to Biostatistics—CCTS 45000/PBHS 32100 This course will provide an introduction to the basic concepts of statistics as applied to the biomedical and public health sciences. Emphasis is on the use of interpretation of statistical tools for data analysis. Topics include (i) descriptive statistics; (ii) probability and sampling; (iii) the methods of statistical inference; and (iv) an introduction to linear and logistics regression.

Clinical Epidemiology—CCTS 45100/PBHS 30700 Clinical epidemiology is the "application of epidemiologic principles and methods to problems encountered in clinical medicine." This course introduces the basic principles of epidemiologic study design, analysis and interpretation, with a particular focus on clinical applications. The course includes lectures and discussions based on critical appraisal of significant research articles.

WORKSHOPS

STATA Computer Workshop As a supplement to the Biostatistics class, Participants receive instruction on using STATA, statistical software in data analysis.

Research Proposal Development Workshop (RPDW) The research proposal development workshop provides SPORT participants with an opportunity for small group mentorship in the development of a research proposal in their area of interest. The workshop will focus on moving from a broad research interest to a focused research question, including hypothesis generation and the development of well-framed specific aims. Enrollees will have an opportunity to develop their ideas with and receive feedback from colleagues as they prepare to present to a larger group through the Outcomes Research Workshop or other seminar series.

Outcomes Research Workshop Outcomes Research Workshop (ORW) The ORW workshop offers trainees and faculty interested in outcomes research an opportunity to receive supportive and constructive feedback from colleagues representing a wide range of disciplinary perspectives.

Informatics Mini-Module The Informatics Mini-Module provides early career researchers with some context and exposure to working with large, complex data sets derived from the medical record. Participants will gain hands-on experience working with health care data, and example data sets will be drawn from a variety of sources, such as the Center for Research Informatics (CRI) and the MarketScan databases accessed through CHeSS's Methods Core. Participants will learn to refine their research questions and better perform cohort discovery. By using complete sample projects, participants will see the entire process of question formulation, data discovery, information extraction, data analysis, results interpretation, and future project planning.

HOW TO APPLY

Submit application at:

http://chess.uchicago.edu/SPORT

For additional questions about SPORT, please contact Kelsey Bogue, CHeSS Associate Director of Training Programs, at kbogue@bsd.uchicago.edu.

MATERIALS TO SUBMIT

- CV
- Personal Statement describing your interest in completing SPORT training.
- Letter of support from your department chair or section chief indicating your availability to attend all SPORT functions. It must also include the amount your department commits to fund your training.

FINANCIAL INFORMATION

- The standard fee for SPORT is $3000.
- For Department of Medicine candidates, Medicine will pay $1500 and the section will pay $1500. For Department of Surgery candidates, the Department will pay $3000. Candidates from other departments should discuss the SPORT fee with their section chiefs or department chairs.
- Students currently enrolled in a University of Chicago graduate program may be able to participate in SPORT without additional charge beyond tuition and fees by registering for the courses as part of their graduate program.

PROGRAM DATES

July 8 - August 23, 2019

APPLICATIONS ARE DUE

April 1, 2019, 5 PM Central Time

The Center for Health and the Social Sciences at The University of Chicago
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