



NYU GROSSMAN SCHOOL OF MEDICINE
Certificate in Healthcare Disparities and Health Equity Research
Course Descriptions

Healthcare Delivery Science

This course provides a comprehensive introduction to healthcare delivery in the United States and to principles of care redesign to enable students to develop core competencies in healthcare delivery science. By the end of the course, students have a clear understanding of fundamentals of healthcare policy and organization, and are able to apply quality improvement, engineering, and implementation science principles to care delivery problems. Lectures provide a foundation of knowledge on each concept, supported by supplementary readings and individual development of a plan for an implementation project.

Course Director: [Leora Horwitz, MD](#)

Credits: 3

Health Disparities and Health Equity in Community Health

Students in this course have the opportunity to explore health disparities through a variety of texts, peer-reviewed scientific journals, news articles, seminars, and reflections. Classes begin with lectures from nationally recognized experts from diverse disciplines. Guided course discussions explore lecture content and questions and issues that are most relevant to select communities or populations are explored for debate. Lectures are followed by student-led discussions of assigned readings, designed to enhance students' ability to critically interpret key issues in health disparities. Lectures are supplemented with assignments designed to enhance students' abilities to effectively identify and explore issues related to health disparities in the media, react to emerging health disparities literature using theory-informed and evidence-based arguments, and a final presentation to comprehensively explore a health disparities issue on a topic chosen by the student.

Course Director: [Radhika Gore, PhD](#)

Credits: 3

Principles of Population Health Science

This course introduces students to the field of population health science, or the study of relationships between many health determinants or health outcomes in large populations. This course aims to provide students with a basic understanding of the socioeconomic, behavioral, cultural, and healthcare-related determinants of population health. This course is meant to complement other courses in population health sciences (such as biology, epidemiology, and biostatistics) and provide a broad range of topics in these areas.

Course Director: [Maria R. Khan, PhD, MPH](#)

Credits: 3