Epidemiology Track for Those Who Enrolled Prior to Fall 2018

The mission of the MPH epidemiology track is to prepare students for professions aimed at reducing disease burden and disparities through a strong background in epidemiology methods.

Track Specific Competencies
- Identify and describe public health problems important to a specific population.
- Demonstrate methodological expertise in formulating a research hypothesis, study design, obtaining or collecting epidemiologic data, and data analysis.
- Effectively communicate epidemiologic information to diverse audiences in diverse settings.
- Evaluate the strengths and limitations of epidemiologic reports.
- Draw appropriate inferences from epidemiologic data.

Internship
All students in the Epidemiology Track complete PHP2070, Public Health Community Service Internship. The internship includes a core curriculum as well as a field experience tailored to the student’s public health interests and future career goals.

Thesis
All students are required to complete a thesis. Students work with faculty advisors to design a thesis project appropriate to their interests and career path in the epidemiologic aspects of public health.

Core Curriculum Courses
Students in all tracks are required to complete the MPH Core Courses, which can be found in the pdf found on this page under Core Courses: [https://www.brown.edu/academics/public-health/mph/](https://www.brown.edu/academics/public-health/mph/)

Epidemiology Track Core Requirements

There are two course options to satisfy the core course requirement in epidemiology. However, students in the Epidemiology Track must take:

- PHP2150, Foundations in Epidemiologic Research Methods

Students who have completed PHP2120 who wish to enter the epidemiology track must meet with the epidemiology track academic advisor and the MPH Program Director to request that these PHP2120 meet the core requirement for epidemiology. Based on an assessment of the student’s background, course performance and knowledge base, PHP2120 may be able to substitute for PHP2150.

Epidemiology Track Specific Requirements

Intermediate Epidemiologic Methods:
- PHP2200, Intermediate Methods in Epidemiologic Research

Applied Epidemiologic Analysis (choose 1)
- PHP2260, Applied Epidemiology Analysis Using SAS (offered every other year)
- PHP 2415, Introduction to Evidence Based Medicine
- PHP 2430, Analysis of Population Based Datasets (offered every other year)
- PHP 2440, Introduction to Pharmacoepidemiology

Epidemiology Elective (choose 1)
- PHP1710, Climate Change and Human Health (if not taken as the core)
- PHP 1854, The Epidemiology and Control of Infectious Diseases
- PHP1900, Epidemiology of Diseases and Disorders of Childhood & Early Adulthood
- PHP2018, Epidemiology of Cardio-Metabolic Health
- PHP2030, Clinical Trials Methodology
PHP2130, Human Biology for Epidemiology
PHP2180, Interpretation and Application of Epidemiology
PHP2220B, Nutritional Epidemiology
PHP2220C, Perinatal Epidemiology
PHP2220D, Reproductive Epidemiology
PHP2220H, The Epidemiology, Treatment and Prevention of HIV
PHP2222, Genetics, Human Population and Diseases
PHP2602, Analysis of Lifetime Data
PHP2603, Analysis of Longitudinal Data
SOC2612, Geographic Information Systems and Spatial Analysis for the Social Sciences

Electives
The total course requirement is 13, including both core requirements and electives. Each student works out an individualized elective plan, with the support of faculty advisors.