

## **Maternal and Child Health Concentration (For students who started prior to Fall 2020)**

The Brown University School of Public Health has substantial strengths in Maternal and Child Health (MCH). This includes a vibrant core of interdisciplinary faculty focused on MCH issues from the prenatal period through adolescents. The [Hassenfeld Child Health Innovation Institute](#) was launched in 2016, presenting new opportunities for expanding MCH research and education programs at Brown. This is in addition to the existing [School of Public Health research centers](#) that include a focus on MCH issues. Beyond the strengths within the School of Public Health, active MCH collaborations extend to the Brown University affiliated hospitals, state government, local government, community organizations and industry.

### **Maternal and Child Health Concentration-Specific Competencies**

In addition to the standard MPH Program competencies, students in the MCH track will meet the following competencies:

- Demonstrate an understanding of the major causes of maternal and child morbidity and mortality. (PHP1994)
- Demonstrate an understanding of programs designed to foster maternal and child health (PHP1994)
- Demonstrate advanced understanding of MCH epidemiology (PHP1900 and PHP2220C).
- Demonstrate proficiency in two areas of applied research methods (PHP2030, PHP2040, PHP2060, PHP2300, PHP2415, GEOL1320, SOC2612)
- Demonstrate understanding of health systems issues that are relevant to MCH populations. (PHP1100, PHP1530, PHP2400, PHP2425, or PHP2445)

### **Maternal and Child Health Concentration Courses:**

#### ***Complete the following course:***

- PHP2023, Maternal and Child Health

#### ***Complete one of the following courses in advanced epidemiology for MCH:***

- PHP1900, Epidemiology of Disorders and Diseases of Childhood and Young Adulthood (Spring)
- PHP2220C, Perinatal Epidemiology (Fall)
- PHP2220D, Reproductive Epidemiology (Fall)

#### ***Complete two of the following methods courses:***

- PHP1560/2560, Statistical Programming in R
- PHP2030, Clinical Trials
- PHP2040, Survey Research Methods
- PHP2060, Qualitative Methods
- PHP2260, Applied Epidemiological Analysis Using SAS
- PHP2300, Behavioral Research Methods
- PHP2415, Intro to Evidence-Based Medicine
- PHP2550, Practical Data Analysis
- GEOL1320, Intro to GIS (May not be taken if student has already completed Soc2612)
- SOC2612, Geographic Information Systems and Spatial Analysis for the Social Sciences (*Taught every other year.*)

#### ***Complete one of the following health systems courses:***

- PHP1100, Comparative Health Care Systems
- PHP1530, Case Studies in Public Health: The Role of Governments, Communities and Professions
- PHP2400, The U.S. Health Care System: Case Studies in Financing, Delivery, Regulation and Public Health
- PHP2425, Doing Public Health: Getting It Done in the Real World
- PHP2445, Minding the Gap: The U.S. Healthcare Safety Net

### **Maternal and Child Health Concentration Lead**

Patrick M. Vivier, MD, PhD

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