

School of Public Health and Community Medicine

Master of Public Health in Epidemiology



Epidemiology and biostatistics are fundamental disciplines that underpin public health and clinical research. The stream is designed to allow students to evaluate research and develop the skills to undertake their own research requiring quantitative research methods. The stream-defining courses provide a strong background in advanced statistical and epidemiological methods that are the basis of quantitative research in public health. The recommended electives allow students to develop further their skills in quantitative research or economic evaluation, or to develop further knowledge of content areas in public health. The name of the specialisation is reflected on the testamur and students graduate with a Master of Public Health in Epidemiology.

Who should do this stream?

The Master of Public Health in Epidemiology stream will equip public health graduates with knowledge of the principles of quantitative research methods that underpin public health

Find out more about Epidemiology

Dr Bayzid Rahman, Stream Convenor
T: +61 (2) 9385 8660
E: bayzid@unsw.edu.au

School of Public Health and
Community Medicine
UNSW Sydney
Sydney NSW 2052, Australia

programs and policies. The stream will be aimed at public health students and professionals interested in learning the skills required to epidemiological and biostatistical skills in their future careers and those wishing to begin the transition to a career in epidemiology in public health.

Stream Learning Outcomes

- Demonstrate an understanding of the use and purpose of epidemiological and biostatistical analyses in public health and clinical research;
- Demonstrate the ability to appropriately interpret the results of sophisticated statistical and epidemiological analyses in public health and clinical research.

These stream learning outcomes are in addition to the Master of Public Health (MPH) program learning outcomes.

“Excellent lecture, course notes are very clear and easy to understand, very knowledgeable and helpful staff, enough time for personal learning, enliven a dry subject and well thought out teaching plan, Humour makes statistics learning enjoyable – not dull or boring, being guided to understand really tricky concepts and finally getting it.”

Student feedback from PHCM9517 Advanced Biostatistics & Statistical Computing

STREAM STRUCTURE

Students must complete the eight courses listed below. Students doing the program full-time will need to start in Semester 1

THREE MPH CORE COURSES:

- PHCM9012 Health Promotion & Social Perspectives of Health
- PHCM9041 Foundations in Public Health
- PHCM9498 Epidemiology & Statistics

TWO STREAM-DEFINING COURSES:

- PHCM9517 Advanced Biostatistics & Statistical Computing*
- PHCM9518 Advanced Epidemiology*

TWO COURSES FROM RECOMMENDED EPIDEMIOLOGY RESEARCH ELECTIVES:

- PHCM9050 Immunisation Policy & Practice
- PHCM9108 Program Design & Evaluation
- PHCM9132 Applied Research Methods
- PHCM9604 Tobacco, Alcohol & Drugs
- PHCM9605 International Health
- PHCM9606 Reproductive, Maternal Health
- PHCM9612 Environmental Health
- PHCM9731 Outbreak Investigation
- PHCM9761 Public Mental Health
- PHCM9782 Infectious Diseases
- PHCM9784 Tropical Disease Control
- PHCM9785 Predictive Modelling
- PHCM9786 Non-Communicable Disease

ONE MORE COURSE:

Any other SPHCM elective, Internship, or Project in Epidemiology

* Prerequisite: PHCM9498