

Monash University
Master of Public Health

Website: <https://www.study.monash/courses/find-a-course/2017/health-services-management-m6008?domestic=true>

The Master of Public Health, offered by the School of Public Health and Preventive Medicine provides the full range of quantitative, analytical and communication skills necessary to work in the broad domain of public health. It also provides skills in the quantitative methods of the population-based health sciences and their problem-solving application for primary care provision within Australia and developing countries. Health specialisation streams are offered in clinical research methods, health economics, health promotion, health services management, international health, occupational and environmental health and research.

Core Units

MPH1040 - Introductory Epidemiology
 To be taken concurrently with MPH1041 together they are prerequisites for clinical epidemiology elective units. Contents: rates, sources of data, descriptive & analytical epidemiology, epidemiological study designs, critical appraisal of literature, screening, prevention, exposure assessment, outbreak investigation, confounding & bias.

MPH1041 - Introductory Biostatistics
 This unit is taken concurrently with MPH1040. Together they are prerequisites for clinical epidemiology elective units. Contents includes: classification of medical data; summarizing data using simple statistical methods and graphical presentation; sampling distribution, quantifying uncertainty in the sample results and statistical distributions; comparing two/more groups/methods using hypothesis test or p-value and 95% confidence interval; assessing the association between outcome and exposure using chi-squared test; risk comparison (RR & OR); prediction of an event or identifying risk factors for an event of interest where the event is measured in continuous scale; prediction of an event or identifying risk factors for an event of interest where the event is recorded in binary scale (yes/no); sample size calculation.

Health Services Management

Elective Units

MPH2000 Regression methods for epidemiology
 MPH2002 Clinical epidemiology
 MPH2070 Advanced statistical methods for clinical research
 MPH2018 Infectious diseases: Epidemiology and prevention
 MPH2056 Injury epidemiology and prevention
 MPH2060 Health policy and prevention in a global world

Health economics specialisation
 ECX9120 Introduction to microeconomics theory and practice
 ECX9710 Pharmaceutical economics
 ECX9750 Principles of health economics in developing countries
 MPH2068 Financial issues in health care management

Health economics specialisation
 HSC5022 Evaluation in health promotion
 HSC5032 Health literacy
 HSC5042 Health impact assessment
 MPH2007 Chronic disease: Epidemiology and prevention
 MPH2060 Health policy and prevention in a global world
 MPH2069 Foundations of health policy

Health services management specialisation
 MPH2065 Law for health systems
 MPH2068 Financial issues in health care management
 MPH2069 Foundations of health policy
 MPH2072 Reform and development of health services
 MPH2085 Human factors for patient safety

Specialization:

MPH2013 - Research Methods

This unit provides an introduction to the research methods used in observational studies and is designed to help the student develop the practical skills required in the design and assessment of a research project. It covers issues in protocol design, including study type selection, introduction to questionnaire design, sampling methods, and ethics approval. This introduces the student to planning data management and statistical analysis and developing a study budget. An introduction to the role of qualitative research is also covered.

MPH2066 - Clinical Leadership And Management

Reviews key management, organisation theory & its application to healthcare settings. The role of the manager, leadership skills, staffing issues including performance management, managing change, structuring organisations for patient care, developing strategy, and designing business plans.

MPH2067 - Principles Of Health Care Quality Improvement

Historical, political & social factors impacting on quality measurement in health care. Relationship of industrial & health care quality monitoring. Epidemiological & statistical quality measurement principles. Strength & limitations of current monitoring techniques & different sources of health care quality data. Principles of clinical indicator programs, adverse event monitoring, satisfaction surveys & benchmarking. Relationship between evidence based medicine, clinical practice guidelines & quality improvement. Design, implementation & evaluation of quality improvement programs in clinical settings. The content builds on other management units in the program such as MPH2066 and Biostatistics and Epidemiology. It is a core unit of the Graduate Diploma and Master of Health Services Management.

MPH2086 Applying and practicing the principles of patient safety and quality improvement

MPH5042 Climate change and public health

ECX9700 Introduction to health economics

International health specialisation

MPH2050 Health of women and children in developing countries

MPH2051 Communicable diseases control in developing countries

MPH2053 Public health in refugee settings

MPH2054 Nutritional issues in developing countries

MPH2055 Health and human rights

MPH2057 Aboriginal health

MPH2058 Effective responses to HIV in developing countries

MPH2069 Foundations of health policy

MPH2082 Health communication and training
MPH5087 Alcohol and other drugs in society: A national and global perspective

Occupational and environmental health specialisation

MPH2022 Assessment and control of workplace hazards

MPH2042 Psychosocial work environment

MPH2043 Chemical and biological hazards

MPH2044 Ergonomic and physical hazards

MPH2045 Environmental health risk assessment and management

MPH2056 Injury epidemiology and prevention

MPH2076 Safety management systems

MPH2084 Critical appraisal of occupational health and safety information

RACMA Core Requirements:	Monash University - MPH
1. Health Law	Law for Health System MPH5265 (elective) / Health and Human Rights MPH5255 (elective)
2. Health Economics	Introduction to Health Economics ECX9700 (CORE) & Economic Evaluation in Health Care ECX9730 (CORE)/Applied Health Economics and Health Policy ECX9741 (CORE)
3. Health Care Systems	Health Literacy HSC5032 (elective), Climate Change and Public Health MPH5042 (elective)
4. Financial Management in Health	Financial issues in health care management MPH2068 (elective)
5. Epidemiology and Statistics	Introductory epidemiology MPH1040 (CORE) & Introductory biostatistics MPH1041 (CORE)
6. Research Methodology	Research methods MPH2013 (CORE) & Ethics, good research practice and practical research skills MPH2083 (CORE)
7. Leadership	Clinical Leadership and Management MPH5266 (CORE)
Contact Details	
Phone:1800 666 274	