




**2017 Graduate courses**  
Public Health and  
Preventive Medicine







“With our absolute commitment to teaching excellence, we offer a flexible, dynamic and global education.”

# Welcome

Creating knowledge for improved health and prevention of disease through education, innovation and research.

Study with us at Monash to extend your knowledge and skills, and propel your career in public health and medicine.

Monash offers a wide range of graduate courses that give you access to flexible learning options and research opportunities. We are dedicated to preparing you to serve the community in an increasingly competitive job market, and as a result, Monash graduates are highly sought-after by employers on a global scale.

The School of Public Health and Preventive Medicine (SPHPM) is one of the largest schools within the Monash University Faculty of Medicine, Nursing and Health Sciences.

As a centre of excellence dedicated to learning and research, we are a leading influencer and contributor to public health nationally and globally. We work, collaborate and conduct our research with the major Monash-affiliated hospitals, research institutes and public health units, including one of Australia's leading training hospitals, The Alfred, in Melbourne. We are also located in the Alfred Medical Research and Education Precinct (AMREP), positioning us in a hive of research innovation and activity that affords us great partnerships with leading medical minds and organisations. Monash is also a member of the Group of Eight (Go8), which is a coalition of research-intensive Australian universities.

Our international links include overseas Monash campuses and our inclusion in the M8 Alliance. Monash is ranked in the top 100 universities worldwide, which means high-calibre teaching staff who are experts in their fields, access to pioneering research and cutting-edge facilities.

We foster leadership in our staff and students. Our researchers and teachers are public health leaders and experts, enabling our students to contribute to the field of public health from the outset of their career and studies.

Our core skills relate to epidemiology (the study of the distribution, risk factors and causes of disease) and its application to problems in clinical medicine and public health. This makes us a key resource for translational research in our faculty. We have particular expertise in large epidemiological studies, multi-centre clinical trials, clinical registries, modelling, data management, evidence synthesis and health social science.

We embrace new ideas and opportunities as well as foster a culture of innovation. We engage with issues that are shaping the world and influencing human health, and we are part of public health projects globally.

Taking part in our graduate courses in public health and related areas is exciting, challenging and intellectually stimulating for our students.

With strong evidence of success for more than 30 years, our department and our collaborators are at the forefront of graduate education in public health, clinical research methods, health services management, international health, and occupational and environmental health.

In 1981 we accepted our first small intake of MPH students; in the ensuing years we have grown and excelled, now boasting a vibrant and interactive program of 17 graduate courses that in 2016 enrolled more than 720 local and international students.

I welcome you to the Monash community and personally invite you to participate in our graduate coursework programs, through which you can expand your skills and knowledge for a strengthened career trajectory, all while contributing to the better health of local, national and global communities.

## Professor John McNeil

Head, School of Public Health and Preventive Medicine

---

## Course enquiries

[pgradenq@monash.edu](mailto:pgradenq@monash.edu)

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

+61 3 9903 0563

**Public Health**

Master of Public Health (multi-modal)	4 – 11
---------------------------------------	--------

Master of Public Health (online)	12
----------------------------------	----

**Biostatistics**

Master of Biostatistics	13
-------------------------	----

Graduate Diploma of Biostatistics	13
-----------------------------------	----

**Clinical Research Methods**

Master of Clinical Research Methods	15 / 16
-------------------------------------	---------

**Health Services Management**

Master of Health Services Management (multi-modal)	17 / 18
--	---------

Graduate Certificate in Health Services Management	17 / 18
--	---------

Graduate Diploma in Health Services Management	17 / 18
--	---------

Master of Health Administration (online)	19
--	----

**Occupational and Environmental Health**

Master of Occupational and Environmental Health	20 / 22
---	---------

Graduate Diploma in Occupational and Environmental Health	20 / 22
---	---------

<b>Graduate teaching staff</b>	23 – 28
--------------------------------	---------

<b>Units 2017</b>	29 – 43
-------------------	---------

<b>Timetable 2017</b>	44 / 45
-----------------------	---------

**Application Information**

Semester Dates 2017	46
---------------------	----

Entry requirements	46
--------------------	----

Application procedures	46
------------------------	----

Credit / advanced standing	46
----------------------------	----

Course fees 2017	47
------------------	----

Teaching locations 2017	47
-------------------------	----


Further information	47
---------------------	----

**Using this guide**

This guide contains general information on the graduate courses offered for 2017 in the Department of Epidemiology and Preventive Medicine (DEPM). All information is correct at the time of printing, February, 2017. All changes to the DEPM timetable will be published on our webpage: [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

# Graduate courses 2017


	Course code	CRICOS code	# Units req.	Credit points
<b>PUBLIC HEALTH</b>				
Master of Public Health (multi-modal)	M6024	021280B	16	96
Master of Public Health (online)	M6021	N/A	12	72
<b>BIOSTATISTICS</b>				
Master of Biostatistics	M6025	N/A	12	72
Graduate Diploma of Biostatistics	M5017	N/A	8	48
<b>CLINICAL RESEARCH METHODS</b>				
Master of Clinical Research Methods	M6028	072000D	12	72
<b>HEALTH SERVICES MANAGEMENT</b>				
Master of Health Services Management (multi-modal)	M6008	038564F	12	72
Graduate Diploma in Health Services Management	M5007	N/A	8	48
Graduate Certificate in Health Services Management	M4006	N/A	4	24
Master of Health Administration (online)	M6007	N/A	12	72
<b>OCCUPATIONAL AND ENVIRONMENTAL HEALTH</b>				
Master of Occupational and Environmental Health	M6026	028957E	12	72
Graduate Diploma in Occupational and Environmental Health	M5018	NA	8	48

 **STUDY MODE**
**Domestic students**


Multi-modal with compulsory block requirements and block or partial block.

**International students**

On-campus

 **STUDY LENGTH**

Four years part-time, two years full-time

 **COURSE STRUCTURE**

16, 12 or eight units depending on entry level

**COURSE CODE: M6024**

**CRICOS CODE: 021280B**

# Master of Public Health

## – multi-modal

The Monash Master of Public Health is an internationally recognised passport for careers in government, industry, aid organisations and throughout the health sector; now offering three entry pathways to accommodate for a range of experience and academic levels.

- NEW MPH course structure with two additional entry levels
- NEW Graduate certificate and Graduate diploma exit options
- An internationally recognised and respected degree
- Units taught in flexible delivery mode
- New unit: MPH5288 – Introduction and challenges in public health
- Pathway opportunities into a PhD
- Programs including research and writing skills, introduction to Moodle to facilitate return to study

This top choice for public health training is offered by the School of Public Health and Preventive Medicine, providing the full range of quantitative, analytical, practical and communication skills necessary to work and provide leadership in the broad domain of public health, locally and globally.

Taught by Victoria's leading public health professionals and with strong links to the Alfred Hospital in Melbourne, the Master of Public Health is highly regarded in both industry and academia, with a reputation for excellence in teaching and outstanding graduates.

To guide you in developing your elective study program, with depth for career development and interests, electives are broadly organised into the key areas of expertise of:

- Epidemiology and biostatistics
- Clinical research methods
- Health economics
- Disease/injury prevention and control and health promotion
- Health policy, planning and management
- Global health and human rights
- Occupational and environmental health

The MPH course offers you the opportunity to integrate and extend the knowledge and skills gained in your MPH through a capstone experience, as a professional practice development unit. There's also the opportunity for you to undertake a research project or case study (consultation with the course research project coordinator is required prior to enrolment in research units).

The course structure and flexibility helps you extend, integrate and apply your core knowledge and skills with depth in key areas of interest according to your background and career development interests, something that employers have identified as important, and to gain knowledge and skills in new areas across the broad domain of public health to equip you for future challenges.

Public health skills and knowledge are fundamental to addressing many of the 21st century's complex health problems and the global burden of disease – on populations, individuals, communities and the economy.

By undertaking a Monash University Master of Public Health, you'll be studying at a Group of Eight University and one that is ranked in the top 100 universities worldwide. This means high-calibre teaching staff who are experts in their fields, access to pioneering research and cutting-edge facilities.

Teaching is structured as a combination of face-to-face (including block days) teaching and online educational delivery, to suit working professionals or with other responsibilities.

## Entry requirements

### Entry level 1: 96 credit points to complete

An Australian undergraduate degree (or equivalent) in a non-related discipline with at least a weighted average mark (WAM) of 60% or an equivalent GPA.

### Entry level 2: 72 credit points to complete

An Australian undergraduate degree (or equivalent) in a related health or public health discipline with a research honours, or a medical degree, or a Monash University Bachelor of Public Health Science degree, with at least a WAM of 60% or equivalent GPA

#### OR

An Australian undergraduate degree (or equivalent) in a relevant discipline with at least a WAM of 60% or an equivalent GPA and a minimum of two years of relevant work experience.

### Entry level 3: 48 credit point to complete

An Australian Master of Philosophy or PhD or doctoral degree or AQF level 9 qualifications (or equivalent) in a relevant discipline and a minimum of two years of relevant work experience.

#### OR

An Australian undergraduate degree in a related health or public health discipline and a minimum of two years of relevant work experience

#### AND

Part 1 of a specialist medical training program, or current fellowship of a specialist medical college recognised by the Medical Board of Australia and current registration with AHPRA or a satisfactory substitute that the faculty considers to be equivalent.

## Research pathway

The public health research project requires you to demonstrate your ability to integrate and apply public health theory, principles and practice, and research methods to a specific public health problem or issue. Consultation with the course research project coordinator is required prior to enrolment in the research project.

### 12-point research project\*

Prerequisites: a distinction (70%) – high distinction (80%) in units MPH5040 and MPH5041, and it is recommended you achieve a distinction in MPH5213.

You complete:

- MPH5231 Research design and project proposal
- MPH5232 Research conduct, analysis, write-up and submission

### 24-point research project\*

Prerequisites: you must achieve a distinction in the following four units: MPH5040, MPH5041, MPH5213 or MPH5249 and MPH5200 (for students undertaking quantitative analysis), or an approved PG qualitative research unit (for students undertaking qualitative analysis).

You complete:

- MAP5000 Research in advanced health professional practice (12 points)
- MAP5010 Advanced health practice research project (12 points)

\* Note – project supervision: It's highly recommended that a research project be conducted with a principal supervisor located within SPHPM. For this reason, only in unusual circumstances would we consider a student undertake the research project with a supervisor external to SPHPM. Circumstances may be where the research project would be undertaken in a workplace in which the student is currently employed and in which they have an experienced supervisor/researcher who is willing and available to supervise them on the research project.

# Master of Public Health – course code: M6024

■ Structure 1 Coursework pathway

■ Structure 2 Coursework plus MPH5273 case study pathway

■ Structure 3 Research pathway\*\*

## PART-time structure – 96 credit points

		Structure 1	Structure 2	Structure 3
<b>Part B (24 points) Foundations of public health studies</b>				
<b>YEAR 1</b>	Semester 1	MPH5040 Introductory epidemiology		
		MPH5041 Introductory biostatistics		
	Semester 2	MPH5213 Research methods		
		MPH5288 Introduction and challenges in public health		
<b>Part A (24 points) Expanding public health knowledge including core units one from MPH5203, MPH5218, MPH5207, MPH5256, MAP5002, MAP5022 PLUS one unit from MPH5269, MPH5266, MPH5272, MAP4200.</b>				
<b>YEAR 2</b>	Semester 1	MPH5002 Foundations of health promotion and program planning <i>or</i>		
		MPH5207 Chronic diseases epidemiology and prevention <i>or</i>		
		MPH5256 Injury epidemiology and prevention (next offered in 2018) <i>or</i>		
		Elective		
MPH5266 Clinical leadership and management <i>or</i>				
MPH5269 Foundations of health policy <i>or</i>				
MAP4200 Improving Indigenous equity in professional practice <i>or</i>				
Elective				
Semester 2	MPH5203 Environmental influences on health <i>or</i>			
MPH5218 Infectious diseases: epidemiology and prevention <i>or</i>				
MPH5022 Evaluating public health programs <i>or</i>				
MPH5272 Reform and development of health care services <i>or</i>				
Elective				
<b>Part C (48 points) Advanced application expertise</b>				
<b>YEAR 3</b>	Semester 1	Elective x 2	Elective x 2	MPH5200 Regression methods for epidemiology* <i>or</i> Elective
	Semester 2	MPH5289 Professional practice development	MPH5289 Professional practice development	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
		Elective	Elective	Elective
		Elective	Elective	Elective
<b>YEAR 4</b>	Semester 1	Elective x 2	MPH5273 Case study	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
		Elective	Elective	Elective
	Semester 2	Elective x 2	MPH5273 Case study	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
		Elective	Elective	Elective



## PART-time structure – 72 credit points

		Structure 1	Structure 2	Structure 3
<b>Part B (24 points) Foundation of public health studies</b>				
YEAR 1	Semester 1	MPH5040 Introductory epidemiology		
		MPH5041 Introductory biostatistics		
	Semester 2	MPH5213 Research methods		
		MPH5288 Introduction and challenges in public health		
<b>Part C (48 points) Advanced application expertise</b>				
YEAR 2	Semester 1	Elective x 2	Elective x 2	MPH5200 Regression methods for epidemiology* <i>or</i> Elective
	Semester 2	Elective x 2	MPH5289 Professional practice development	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
			Elective	Elective
				Elective
YEAR 3	Semester 1	Elective x 2	MPH5273 Case study	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
				Elective
	Semester 2	MPH5289 Professional practice development	MPH5273 Case study	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> MAP5000 Research in advanced health professional practice* <i>or</i> MAP5010 Advanced health practice research project** <i>or</i> Elective
		Elective	Elective	Elective

## PART-time structure – 48 credit points

		Structure 1	Structure 2	Structure 3
<b>Part B (24 points) Foundations of public health studies</b>				
YEAR 1	Semester 1	MPH5040 Introductory epidemiology		
		MPH5041 Introductory biostatistics		
	Semester 2	MPH5213 Research methods		
		MPH5288 Introduction and challenges in public health		
<b>Part C (48 points) Advanced application expertise</b>				
YEAR 2	Semester 1	Elective x 2	MPH5273 Case study	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> Elective
			Elective	Elective
	Semester 2	MPH5289 Professional practice development	MPH5289 Professional practice development	MPH5231 Research design and project proposal** <i>or</i> MPH5232 Research conduct, analysis, write-up and submission** <i>or</i> Elective
		Elective	MPH5273 Case study	Elective

\* MPH5200 required for students undertaking quantitative analysis or an approved graduate qualitative research unit.

\*\* Prerequisites apply, consultation with course project coordinator is required – see research pathway below for more details.

Further information is available at: [monash.edu.au/pubs/handbooks/courses/M6024.html](http://monash.edu.au/pubs/handbooks/courses/M6024.html)

# Course structure – key areas of expertise

These electives are grouped in key areas of expertise and are a guide only.

You can choose your electives from MPH-approved units. To help you develop your elective study program, with depth for your career development and interests, elective units are grouped broadly under the following key areas of expertise.

Unit	Title	Epidemiology and biostatistics	Clinical research methods	Health economics	Disease/injury prevention and control and health promotion	Health policy, planning and management	Global health and human rights	Occupational and environmental health
<b>JANUARY TO JUNE</b>								
MPH5002	Foundations of health promotion and program planning				■			
MPH5200/ MPH6200	Regression methods for epidemiology	■						
MPH5202	Clinical epidemiology	■	■					
MPH5207	Chronic diseases: epidemiology and prevention	■			■			
MPH5237	Clinical measurement		■					
MPH5241	Introduction to occupational health and safety							■
MPH5242	Psychosocial work environment							■
MPH5243	Chemical and biological hazards							■
MPH5255	Health and human rights				■		■	
MPH5266	Clinical leadership and management					■		
MPH5267	Principles of health care quality improvement					■		
MPH5268	Financial issues in health care management			■		■		
MPH5269	Foundations of health policy					■		
MPH5285	Human factors for patient safety ( <i>not offered in 2017</i> )					■		
MPH5287	Alcohol and other drugs in society: a national and global perspective						■	
ECC5970	Introduction to health economics			■				
ECC5975	Principles of health economics for developing countries			■				
MAP4200	Improving indigenous equity in professional practice				■	■		

Unit	Title	Epidemiology and biostatistics	Clinical research methods	Health economics	Disease/injury prevention and control and health promotion	Health policy, planning and management	Global health and human rights	Occupational and environmental health
<b>JULY TO DECEMBER</b>								
MPH5022	Evaluating public health programs				■			
MPH5042	Climate change and public health				■			
MPH5203	Environmental influences on health							■
MPH5218	Infectious diseases: epidemiology and prevention	■			■			
MPH5222	Assessment and control of workplace hazards							■
MPH5236	Clinical trials		■					
MPH5239/ MPH6239	Systematic reviews and meta analysis	■	■					
MPH5244	Ergonomic and physical hazards							■
MPH5248	Primary health care and global health						■	
MPH5249	Field methods for global health planning and evaluation						■	
MPH5250	Women's and children's health: a global perspective						■	
MPH5251	Infectious diseases and global health						■	
MPH5253	Public health in refugee settings						■	
MPH5254	Nutrition in developing countries						■	
MPH5256	Injury epidemiology and prevention ( <i>not offered in 2017</i> )	■			■			
MPH5265	Law for health systems					■		
MPH5270/ MPH6270	Advanced statistical methods for clinical research	■	■					
MPH5272	Reform and development of health services					■		
MPH5276	Safety management systems							■
MPH5277	Data management and computing	■						
MPH5282	Health communication and training						■	
MPH5283	Ethics, good research practice and practical research skills		■					
MPH5286	Applying and practising the principles of PS and QI ( <i>not offered in 2017</i> )					■		
ECC5971	Pharmaceutical economics			■				
ECC5973	Economics evaluation in health care			■				
ECC5974	Applied health economics and health policy			■				
EPM5023	Foundations of international health						■	

Approved graduate unit/s chosen from those offered by SPHPM (except units MPH5020; MPH5301-MPH5314; EPM5001-EPM5015)

MPH5249 Field methods for international health planning and evaluation is highly recommended for students who are undertaking studies in global/international health, to complement the core unit MPH5213 Research methods.

# Course structure – key areas of expertise

## Epidemiology and biostatistics

Epidemiology and biostatistics and research methodologies are fundamental disciplines in public health. These units will further develop your knowledge and skills in epidemiology and its application across several key public health domains. These units also offer the opportunity to develop more advanced-practice skills in epidemiology and biostatistics and statistical analysis, and in database management and computing. For those interested in global health and practising public health internationally, field methods for international health planning and evaluation could be considered as a key unit in your program.

For further information about specific units in this key area of expertise, please contact the unit coordinator.

## Clinical research methods

These units assist you with training in quantitative research methods, critical appraisal of the scientific literature, the translation of research into clinical practices methods used to undertake sound clinical research, and ethics and good research practice. There are also units in disease/injury-based epidemiology for integration of knowledge. Those wanting depth in this key area may already be working in clinical research, in clinical trials, in biomedical research, or wanting to gain or extend their skills in relevant research methods and analysis, or greater depth in epidemiology of major causes of morbidity and mortality in public health.

For further information about this key area of expertise, please contact Professor Danny Liew [danny.liew@monash.edu](mailto:danny.liew@monash.edu)

## Health economics

These units assist you as a public health professional to expand your knowledge and skills in health economics and methods used to undertake health economic evaluations. Those wanting depth in this key area may be working in public health-related fields in which health economics is integral, or want to gain or extend their knowledge and skills to apply economic evaluation in their work or in new career roles.

For further information about this key area of expertise, please contact Associate Professor Duncan Mortimer, [duncan.mortimer@monash.edu](mailto:duncan.mortimer@monash.edu)

## Disease/injury prevention and control and health promotion

These units assist you as a public health or health care professional to expand your knowledge and skills in health promotion, program planning and evaluation, and the important field of non-communicable disease prevention. Those wanting depth in this key area may be working in public health-related fields in which health promotion or disease prevention strategies are being researched, developed, implemented and evaluated, or may want to gain or extend their knowledge and skills to apply in their work or in new career roles.

For further information about health promotion, please contact Associate Professor Ben Smith, [ben.smith@monash.edu](mailto:ben.smith@monash.edu), or the unit coordinator for more specific information on other units.

## Health policy, planning and management

These units assist you as a public health or health care professional to expand your knowledge and skills in management and the management of health services. Those wanting depth in this key area may be working in public health/health services management or leadership roles, or may require skills in leadership, human resource management and/or financial management to further develop their career. An MPH with depth in health services management is directed at those seeking leadership and management roles within public health and therefore includes core public health units as well as management units.

For more information about specific units in this key area of expertise, please contact the Unit Coordinator.

## Global health and human rights

These units and the core research method for this key area assist you as a public health professional to develop an understanding of global public health issues and to develop the skills necessary to design, implement and evaluate the relevant programs that address the major public health priorities of communities in resource-constrained settings, especially relevant to countries in the Asia-Pacific and sub-Saharan Africa regions. You also have the opportunity to learn about human rights, ethics, law and development. Students wanting depth in this key area may be working in programs in Australia or internationally and want to extend or integrate their knowledge and skills, or seek knowledge and skills that will allow them to develop careers in this field.

For further information about global health units, please contact Dr Jessica Davis, [jessica.davis@burnet.edu.au](mailto:jessica.davis@burnet.edu.au), or for information about other units, please contact the unit coordinator.

## Occupational and environmental health

These units assist you as a public health professional to expand your knowledge and skills in occupational and environmental health. Environmental influences on health are a key determinant of health, and the importance of the relationship between occupational health, health at work and public health is increasingly recognised. An MPH with depth in occupational and environmental health is directed at those seeking occupational and environmental health roles within public health and therefore includes core public health units as well as occupational and environmental health units.

For further information about this key area of expertise, please contact Professor Malcolm Sim, [malcolm.sim@monash.edu](mailto:malcolm.sim@monash.edu), or the unit coordinator.

## Professional accreditation

This course fulfils the core discipline requirements of a Master of Public Health for the Australasian Faculty of Public Health Medicine, Royal Australasian College of Physicians.

## Career fields

A foundation for career development for senior roles in public health and the health system.

Careers: public health or clinical research, government or non-government organisations, public sector management, international health, policy, health promotion, and health care.

## Progression to further studies

You can choose to complete a research project or research-related units and achieve a distinction (70-79%) to high distinction (80-100%) that may provide a pathway to a higher degree by research.

## Alternate exit(s)

You may exit this course early and apply to graduate with one of the following awards, provided you have satisfied the requirements for that award during your enrolment in the master's course:

- Graduate Certificate in Public Health after successful completion of units: MPH5040, MPH5041, MPH5213 and MPH5288.
- Graduate Diploma in Public Health after successful completion of units: MPH5040, MPH5041, MPH5213, MPH5288 and one of the following:
  - MPH5289 and three electives or
  - MPH5289, MPH5273 and one elective or
  - MPH5289, MPH5231 and MPH5232 and one elective.

## Timetable and Venue

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Census dates and teaching periods

[monash.edu/enrolments/dates/census](http://monash.edu/enrolments/dates/census)

## Further information

### Dr Helen Kelsall

Course coordinator  
[helen.kelsall@monash.edu](mailto:helen.kelsall@monash.edu)

### Professor Belinda Gabbe

Project coordinator  
[belinda.gabbe@monash.edu](mailto:belinda.gabbe@monash.edu)

### Website

[monash.edu.au/pubs/handbooks/courses](http://monash.edu.au/pubs/handbooks/courses)

---

NOTE: Students must complete compulsory unit block attendance.

International students – a separate recommended full-time on-campus enrolment is available for international students. Please review any variation to recommended enrolment with the course coordinator. Check unit details and prerequisites prior to enrolment.

**STUDY MODE****Domestic students**

Online

**International students**

N/A

**STUDY LENGTH**

Four years part-time

Six units full-time

**COURSE STRUCTURE**

12 core units

(72 credit points)

**COURSE CODE: M6021****CRICOS CODE: N/A**

# Master of Public Health – online

The course provides the full range of quantitative, analytical and communication skills necessary to work in the broad domain of public health.

You'll also learn the quantitative methods of the population-based health sciences and their problem-solving application for primary care provision within Australia and developing countries.

- 100% online
- Accelerated delivery
- Six intakes throughout the year

**Entry requirements**

To be eligible for this course, you'll need to have either:

- An Australian undergraduate degree (or equivalent) in a relevant discipline and minimum of two years of relevant experience

**OR**

- One year of hospital experience in a clinical role as a medical practitioner

**OR**

- One year experience in the health industry and two years' experience in full-time work
- Relevant experience in the health industry, government sector, policy, a provider (e.g. hospital or clinic), non-government organisation (NGO), academic institution, consulting or pharmaceutical company.

**Professional recognition**

This course fulfills the core discipline requirements of a Master of Public Health for the Australasian Faculty of Public Health Medicine.

**Career fields**

Include:

- Leadership roles in public or private hospitals, health care institutions or companies.
- Roles in local, state or federal health departments in health policy, planning and management, research roles or at universities or health institutions.
- Positions in health advocacy or policy planning within non-government and international aid organisations.
- Jobs in project coordination, communities and advocacy, program management, health education, health planning, policy development, epidemiology and biostatistics, health economics, disease prevention and health promotion, global health and human rights, occupational and environmental health.

**Course structure**

These units are run in a carousel model and only offered once every 24 months in a teaching period consisting of six weeks. These units are not interchangeable with our multi-modal MPH course code: M6024. Units are six credit points, unless otherwise stated. Students complete:

**Teaching**

Period	Unit
<b>2017</b>	
TP1	MPH5304 Leading and managing in public health and health care
TP2	MPH5305 Epidemiology: concepts and applications
TP3	MPH5310 Introduction to environmental health
TP4	MPH5306 Evaluation in public health
TP5	MPH5307 Introduction to health law principles
TP6	MPH5313 Challenges in public health
<b>2018</b>	
TP1	MPH5308 Developing health systems
TP2	MPH5309 Occupational health and safety
TP3	MPH5314 Epidemiology of chronic disease
TP4	MPH5301 Health systems and policy
TP5	MPH5302 Biostatistics: concepts and applications
TP6	MPH5303 Epidemiology of infectious diseases

**2017****2018****Further information**

[admissions.online@monash.edu](mailto:admissions.online@monash.edu)

[study.monash/courses/find-a-course/2017/public-health-m6021](https://study.monash/courses/find-a-course/2017/public-health-m6021)

[monash.edu.au/pubs/handbooks/courses/M6021.html](https://monash.edu.au/pubs/handbooks/courses/M6021.html)

**Census dates and teaching periods**

[monash.edu.au/enrolments/dates/census](https://monash.edu.au/enrolments/dates/census)

# Master of Biostatistics

The master's degree provides you with a sound foundation in the theory and application of biostatistics relevant to professional practice.

You'll acquire skills and experience in complex statistical analyses, identifying and implementing appropriate statistical methodology, communicating biostatistical results, and understanding biostatistical results and literature. This program develops the technical skills for you to start a professional career as a biostatistician.

Units in this degree are offered in conjunction with partner universities in the Biostatistics Collaboration of Australia (BCA), a consortium of leading universities in Australia established to jointly develop and deliver a distance-based program in biostatistics.

## STUDY MODE

### Domestic students

Off-campus learning (OCL)/online

### International students

N/A

## STUDY LENGTH

Three years part-time  
N/A full-time

## COURSE STRUCTURE

72 credit points

**COURSE CODE: M6025**

**CRICOS CODE: N/A**

# Graduate Diploma of Biostatistics

The graduate diploma course provides you with a broad range of theory and techniques designed for health professionals seeking extensive upskilling in biostatistical methods.

This program assists you to understand the mathematical background, theory and application of the principles of epidemiology and biostatistics in health and medical research. It also helps you develop the analytical skills to become statistically self-sufficient.

Units in this degree are offered in conjunction with partner universities in the Biostatistics Collaboration of Australia (BCA), a consortium of leading universities in Australia established to jointly develop and deliver a distance-based program in biostatistics.

## Entry requirements

You must have

- An Australian undergraduate honours degree (or equivalent) in mathematics or statistics

**OR**

- A Graduate Diploma of Biostatistics from Monash University or another university in the Biostatistics Collaboration of Australia (BCA)

**OR**

- An Australian undergraduate bachelor's degree (or equivalent) in science, psychology,

medicine, pharmacy, nursing, health sciences or a quantitative sector (e.g. engineering)

## PLUS

- a) a minimum of one year of full-time-equivalent experience in clinical/health research or in a quantitative sector (e.g. engineering)

## AND

- b) completion of MPH5041 Introductory biostatistics or an equivalent unit or equivalent knowledge as deemed by the faculty. Students without this background are encouraged to enrol in the Graduate Diploma of Biostatistics.

NOTE: Students must complete compulsory unit block attendance.

## Timetable and venue

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Census dates and teaching periods

[monash.edu/enrolments/dates/census](http://monash.edu/enrolments/dates/census)

## STUDY MODE

### Domestic students

Part-time and off-campus learning (OCL)/online

### International students

N/A

## STUDY LENGTH

Two years part-time  
N/A full-time

## COURSE STRUCTURE

48 credit points  
(eight core units)

**COURSE CODE: M5017**

**CRICOS CODE: N/A**

# Course structure

Units are six credit points unless otherwise stated.

■ Graduate certificate    
 ■ Graduate diploma    
 ■ Master's

Part-time structure – 72 credit points		M4014 Graduate certificate <i>(exit option only)</i>	M5017 Graduate diploma	M6025 Master's
YEAR 1	Semester 1	MPH5040 Introductory epidemiology		
		EPM5002 Mathematical background for biostatistics		
	Semester 2	EPM5005 Data management and statistical computing		
		EPM5014 Probability and distribution theory		
YEAR 2	Semester 1	EPM5003 Principles of statistical inference		
		EPM5004 Linear models		
	Semester 2	EPM5007 Design of experiments and clinical trials		
		EPM5009 Categorical data and generalised linear models		
YEAR 3	Semester 1	EPM5010 Survival analysis		
		<b>One of either EPM5011 or EPM5015</b>		
		EPM5011 Biostatistical practical project (12 pts)		
		EPM5015 Biostatistical practical project (6 pts)		
	Semester 2	EPM5011 or Elective		
Elective				
<b>Elective units from the list below</b> EPM5001 Health indicators and health surveys EPM5006 Clinical biostatistics EPM5008 Longitudinal and correlated data analysis EPM5012 Bioinformatics EPM5013 Bayesian statistical methods				

Further information available at: [monash.edu.au/pubs/handbooks](http://monash.edu.au/pubs/handbooks)

## Professional accreditation

Those graduating with the master's degree obtain automatic accreditation status as graduate statistician (GStat) upon application to the Statistical Society of Australia.

## Career fields

Include pharmaceutical industry, public health, clinical research, biostatistician (only upon completion of the master's program).

## Progress to further study

If you complete the Graduate Diploma of Biostatistics, you're eligible to progress to M6025 Master of Biostatistics.

If you complete the master's course you may qualify for admission into a higher degree by research program.

## Alternate exit(s)

You can exit this course early and apply to graduate with one of the following awards, provided you have satisfied the requirements for that award during your enrolment in this master's course:

- Graduate Certificate of Biostatistics after successful completion of units: MPH5040 plus 18 credit points (three units),
- Graduate Diploma of Biostatistics after successful completion of units: MPH5040, EPM5002, EPM5003, EPM5004, EPM5005, EPM5007, EPM5009 and EPM5014.

## Further information

### Professor Andrew Forbes

Course coordinator  
[andrew.forbes@monash.edu](mailto:andrew.forbes@monash.edu)

[monash.edu.au/pubs/handbooks/courses](http://monash.edu.au/pubs/handbooks/courses)

### BCA

[www.bca.edu.au](http://www.bca.edu.au)



# Master of Clinical Research Methods

The Master of Clinical Research Methods is the only one of its kind in Victoria and facilitates the development of a range of analytical and communication skills necessary to work in the broad domain of clinical research and practice.

- Units taught by some of Australia's leading clinical academics
- Only course in Victoria

The program enables you to develop a detailed understanding of biostatistics, epidemiology, data management, clinical trials, clinical measurement, ethical practice, systematic reviews and meta-analysis, and critical appraisal of the scientific literature for application in research and clinical practice.

To ensure depth of understanding, as well as providing a valuable opportunity to innovate within your particular field, you'll have the option to develop your own research protocol and undertake a clinical epidemiological project.

The course structure and flexibility helps you extend, integrate and apply your core knowledge and skills with depth across the broad domain of clinical practice and research, necessary in a highly competitive industry.

Taught by some of Australia's leading clinical academics, the curriculum is designed for those seeking to balance the demands of a busy workflow with the need to engage in further professional development. Structured around a mixture of online educational delivery and face-to-face block days, the course provides a level of detailed engagement that is also flexible. Block days are delivered at The Alfred Hospital, a major teaching hospital in inner-city Melbourne.

## Entry requirements

### Entry level 1: 72 credit points

An Australian undergraduate degree (or equivalent) in a relevant discipline with at least a weighted average mark (WAM) of 60% or an equivalent GPA as determined by the faculty, and a minimum of two years' of relevant work experience

**OR**

An Australian undergraduate degree (or equivalent) in a relevant discipline with a research honours, or a medical degree or a Monash University Bachelor of Public Health Sciences degree, with at least a WAM of 60% or an equivalent GPA as determined by the faculty.

### Entry level 2: 48 credit points

An Australian undergraduate Master of Philosophy or PhD or doctoral degree or AQF level 9 qualification (or equivalent) in a relevant discipline, and a minimum of two years' relevant work experience

**OR**

An Australian undergraduate degree in a relevant discipline and a minimum of two years' relevant work experience

**AND**

Part 1 of a specialist medical training program or current fellowship of a specialist medical college recognised by the Medical Board of Australia and current registration with AHPRA, or a satisfactory substitute that the faculty considers to be equivalent.

## Timetable and venue

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Census dates and teaching periods

[monash.edu/enrolments/dates/census](http://monash.edu/enrolments/dates/census)

NOTE: Students must complete compulsory unit block attendance.

International students – a separate recommended full-time on-campus enrolment is available for international students. Please review any variation to recommended enrolment with the course coordinator. Check unit details and prerequisites prior to enrolment.

## STUDY MODE

### Domestic students

Multi-modal and compulsory block requirements

### International students

On-campus

## STUDY LENGTH

Three years part-time  
1.5 years full-time

## COURSE STRUCTURE

72 credit points (12 units)

**COURSE CODE: M6028**  
**CRICOS CODE: 072000D**

# Course structure

Units are six credit points unless otherwise stated.

Graduate certificate
  Graduate diploma
  Master's

## Part-time structure

Entry Level 1 / Part A and B = 72 credit points

Entry Level 2 / Part A = 48 credit points

			M4016 Graduate certificate <i>(exit option)</i>	M5020 Graduate diploma <i>(exit option)</i>	M6028 Master's
<b>PART A</b>					
<b>YEAR 1</b>	Semester 1	MPH5040 Introductory epidemiology			
		MPH5041 Introductory biostatistics			
	Semester 2	MPH5213 Research methods			
		MPH5283 Ethics, good research practice and practical research skills			
<b>YEAR 2</b>	Semester 1	MPH5237 Clinical measurement			
		MPH5202 Clinical epidemiology			
	Semester 2	MPH5236 Clinical trials			
		MPH5239 Systematic reviews and meta-analysis			
<b>PART B</b>					
<b>YEAR 3</b>	Semester 1	MPH5231 Research design and project proposal			
		Elective			
	Semester 2	MPH5232 Research conduct analysis, write-up and submission			
		Elective			
<b>Elective units – 12 credit points (two units) from the list below</b> MPH5200 Regression methods for epidemiology      MPH5270 Advanced statistical methods for clinical research MPH5207 Chronic diseases: epidemiology and prevention      MPH5277 Practical data management MPH5218 Infectious diseases: epidemiology and prevention      MAP4200 Improving indigenous equity in professional practice MPH5256 Injury epidemiology and prevention					

Further information available at: [monash.edu.au/pubs/handbooks](http://monash.edu.au/pubs/handbooks)

## Career fields

Include: medicine, pharmacy, nursing, public health, allied health professions, physician, surgery, physiotherapy, general practice, infection control, maternal and child health, nutrition.

## Progression to further studies

Students admitted at:

Entry level 1 complete a research project (12 project) and achieve a distinction (70-79%) to high distinction (80-100%) that may provide a pathway to a higher degree by research.

Entry level 2 will normally already have an honours degree or higher qualification that provide a pathway to a higher degree by research. However, those in this group who wish to complete a research project should discuss the options with the course coordinator.

## Alternate exit(s)

You can exit this course early and apply to graduate with one of the following awards, provided you have satisfied the requirements for that award during your enrolment in the master's course:

- Graduate Certificate of Clinical Research Methods (course code: M4016) after successful completion of units: MPH5040, MPH5041, MPH5213 and MPH5283.
- Graduate Diploma of Clinical Research Methods (course code: M5020) after successful completion of units: MPH5040, MPH5041, MPH5213, MPH5283, MPH5237, MPH5236, MPH5239 and MPH5202.

## Further information

### Professor Danny Liew

Course coordinator  
danny.liew@monash.edu

[monash.edu.au/pubs/handbooks/courses](http://monash.edu.au/pubs/handbooks/courses)

# Master of Health Services Management

This course provides professionals currently in, or seeking to be in, middle and senior health care management positions who wish to expand their knowledge and skills in the management of health services. It caters for the special needs of medical and general hospital administrators, clinical doctors, quality assurance managers, team leaders, senior nursing administrators, unit managers and a range of general task coordinators within the health care system.

## STUDY MODE

**Domestic students**  
Multi-modal and block requirements

**International students**  
On-campus

## STUDY LENGTH

Three years part-time  
1.5 years full-time

## COURSE STRUCTURE

72 credit points (11 units)

**COURSE CODE: M6008**  
**CRICOS CODE: 038564F**

# Graduate Diploma in Health Services Management

This course provides a broad framework from which to manage clinical health care systems by attention to human resource, financial, information, medico-legal, political, cultural, economic, ethical, industrial, technological and psychosocial issues.

## Progression to further studies

This course articulates with M6008, Master of Health Services Management.

## STUDY MODE

**Domestic students**  
multi-modal and block requirements

## STUDY LENGTH

Two years part-time  
One year full-time

## COURSE STRUCTURE

48 credit points (seven core and one elective unit)

**COURSE CODE: M5007**

# Graduate Certificate in Health Services Management

This course, offered by the Department of Epidemiology and Preventive Medicine, targets professionals working within the health care sector who wish to expand their knowledge and skills in the management of health services. It provides core competencies in health services management, including leadership, human resource and financial management of health services.

## Progression to further studies

This course articulates with M5007 Graduate Diploma in Health Services Management and then M6008 Master of Health Services Management or can lead to M6024 Master of Public Health.

## Entry requirements

An Australian undergraduate degree (or equivalent) in an appropriate discipline and relevant professional experience or qualification/experience or satisfactory substitute that the faculty considers to be equivalent.

## STUDY MODE

**Domestic students**  
Multi-modal and block requirements

## STUDY LENGTH

One year part-time  
Full-time N/A

## COURSE STRUCTURE

24 credit points (two core and two elective units)

**COURSE CODE: M4006**

# Course structure

Units are six credit points unless otherwise stated.

Note: To satisfy the requirements for the RACMA Fellowship core units required are: MPH5040, MPH5041, MPH5213 and MPH5283.

Graduate certificate
  Graduate diploma
  Master's

Part-time structure – 72 credit points			M4006 Graduate certificate	M5007 Graduate diploma	M6008 Master's
YEAR 1	Semester 1	MPH5266 Clinical leadership and management			
		MPH5268 Financial issues in health care management			
	Semester 2	MPH5020 Introduction to epidemiology and biostatistics	Elective		
		MPH5267 Principles of health care quality improvement	Elective		
YEAR 2	Semester 1	MPH5269 Foundations of health policy			
		Elective			
	Semester 2	MPH5265 Law for health systems			
		MPH5272 Reform and development of health services			
YEAR 3	Semester 1	MPH5273 HSM case study			
		Elective			
	Semester 2	MPH5273 HSM case study			
		Elective			
<b>Elective units – students complete 3 from the list below</b>					
MPH5042 Climate change and public health			MAP4200 Improving Indigenous equity in professional practice		
MPH5213 Research methods			NUR5315 Advanced nursing practice in context (12 cpts)		
MPH5283 Ethics, good research practice and practical research skills			NUR 5327 Management and leadership of professional nursing practice (12 cpts)		
MPH5285 Human factor for patient safety (not offered in 2017)			Any graduate unit offered by the Department of Epidemiology and Preventive Medicine (excluding units: MPH5301-MPH5313; EPM5001-EPM5015).		
MPH5286 Applying and practising the principles of patient safety and quality improvement (not offered in 2017)					
ECC5970 Introduction to health economics					

Further information available at: [monash.edu.au/pubs/handbooks](http://monash.edu.au/pubs/handbooks)

## Professional accreditation

Medical graduates enrolled in the master's degree and who are undertaking this course and wanting to satisfy the requirements for The Royal Australasian College of Medical Administrators (RACMA) Fellowship need to complete the following units: MPH5040, MPH5041, MPH5213 and MPH5283.

These degrees are accredited by the Australasian College of Health Service Management (ACHSM) for college entry and advancement purposes.

## Career fields

Include: medical, nursing and allied health clinician with management responsibility or interest, general hospital administration, quality assurance management, health care coordination, case managers.

## Alternate exit(s)

You can exit this course early provided you've satisfied the requirements for that award during your enrolment in the master's course:

- Graduate Certificate in Health Services Management (course code: M4006) after successful completion of units: MPH5266, MPH5268 and two elective units.
- Graduate Diploma in Health Services Management (course code: M5007) after successful completion of units: MPH5266, MPH5268, MPH5020, MPH5267, MPH5269, MPH5265, MPH5272 and one elective.

## Timetable and venue

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Census dates and teaching periods

[monash.edu/enrolments/dates/census](http://monash.edu/enrolments/dates/census)

## Further information

### Dr Susannah Ahern

Course coordinator  
[susannah.ahern@monash.edu](mailto:susannah.ahern@monash.edu)  
[monash.edu.au/pubs/handbooks/courses](http://monash.edu.au/pubs/handbooks/courses)

NOTE: MPH5020 can be undertaken in either semester one or two

Students must complete compulsory unit block attendance.

International students – a separate recommended full-time on-campus enrolment is available for international students. Please review any variation to recommended enrolment with the course coordinator. Check unit details and prerequisites prior to enrolment.

# Master of Health Administration – online

The course provides the academic preparation for managers in health care and public health, and those who aspire to such a career.

This includes managers in the broad range of health care organisations, from central agencies, health insurers, non-government organisations and the various health provider organisations. It involves structured learning in the key management disciplines, including policy, organisational theory, financial management, human resources management, economics and marketing, with an emphasis on health care organisations and specific health-focused domains such as epidemiology, biostatistics and managing the patient care process. The course adopts an adult learning approach, encouraging self-directed learning, independent research and enquiry, reflection from practice, and peer learning with guidance from experienced academics in their respective fields.

## Entry requirements

To be eligible for this course, you'll need to have either:

- A bachelor's degree in a related field,

### AND

- Two years of relevant experience (for example, in the health industry, government sector, policy, a provider – e.g. hospital or clinic – non-government organisation (NGO), academic institution, consulting or pharmaceutical company)

### OR

- One year of hospital experience in a clinical role as a medical practitioner

### OR

- One year of experience in the health industry and two years' experience in full-time work

## Professional accreditation

This degree is accredited by the Australasian College of Health Service Management (ACHSM).

## Alternate exit(s)

You can exit this course early and apply to graduate with one of the following awards, provided you've satisfied the requirements for that award during their enrolment in the master's course:

- Graduate Certificate in Health Administration after successful completion of 24 points (four units) of study
- Graduate Diploma in Health Administration after successful completion of 48 points (eight units) of study.

## Course structure

These units are run in a carousel model and only offered once every 24 months in a teaching period consisting of six weeks. These units are not interchangeable with our multi-modal MPH course code: M6024. Units are six credit points, unless otherwise stated. You'll complete:

### Teaching

Period	Unit
<b>2017</b>	
TP1	MPH5304 Leading and managing in public health and health care
TP2	MPH5305 Epidemiology: concepts and applications
TP3	ECC5979 Health economics
TP4	MPH5311 Safety and quality in health care#
TP5	MPH5307 Introduction to health law principles
TP6	ACF5268 Accounting for health care managers
<b>2018</b>	
TP1	MPH5308 Developing health systems
TP2	MPH5312 Advances in managing patient care processes
TP3	MGF5963 Introduction to management
TP4	MPH5301 Health systems and policy
TP5	MPH5302 Biostatistics: concepts and applications
TP6	Marketing for healthcare managers

# If you're working towards The Royal Australasian College of Medical Administrator's Fellowship, you must complete MPH5306 Evaluation in public health; all other students must complete MPH5311.

## Further information


[admissions.online@monash.edu](mailto:admissions.online@monash.edu)


[study.monash/courses/find-a-course/2017/public-health-m6021](https://study.monash/courses/find-a-course/2017/public-health-m6021)


[monash.edu.au/pubs/handbooks/courses/M6021.html](https://monash.edu.au/pubs/handbooks/courses/M6021.html)

## Census dates and teaching periods


[monash.edu.au/enrolments/dates/census](https://monash.edu.au/enrolments/dates/census)

 **STUDY MODE**  
Online

 **STUDY LENGTH**  
Four years part-time  
Two years full-time

 **COURSE STRUCTURE**  
72 credit points  
(12 core units)

**COURSE CODE: M6007**


 STUDY MODE

**Domestic students**


Multi-modal and compulsory block requirements

**International students**

On-campus

 STUDY LENGTH

Three years part-time  
1.5 years full-time

 COURSE STRUCTURE

72 credit points (12 units)

**COURSE CODE: M6026**


**CRICOS CODE: 028957E**

# Master of Occupational and Environmental Health

This course equips workplace professionals with the skills and knowledge in quality-level occupational health and safety services in order to identify, prevent and manage occupational and environmental health risks and related health problems.

You'll learn to systematically control related hazards and exposures within a broad range of workplace and community environments. The course enables you to take responsibility for high-level independent judgements, and initiate, implement and evaluate risk management

interventions within varied occupational and environmental contexts. It's particularly suitable for medical practitioners, nurses, allied health personnel, scientists and occupational health and safety managers.


 STUDY MODE

**Domestic students**


Multi-modal and compulsory block requirements

**International students**

On-campus

 STUDY LENGTH

Two years part-time  
One year full-time

 COURSE STRUCTURE

48 credit points  
(eight units)

**COURSE CODE: M5018**

**CRICOS CODE: 037584D**

# Graduate Diploma of Occupational and Environmental Health

This course gives health professionals the attitude, skills and knowledge necessary to responsibly provide preventive health services to both reduce the health impacts of disease and injury, and assist to systematically address hazards arising from workplaces and within communities.

The course caters for the special needs of medical practitioners, nurses, allied health personnel, scientists or OHS managers wishing to develop adaptable and responsible skills as OHS and environmental health practitioners.

**Entry requirements**

An Australian undergraduate degree (or equivalent) in a related discipline and qualification or experience, or satisfactory substitute that the faculty considers to be equivalent.

## Course structure

Units are six credit points unless otherwise specified.

- Graduate certificate
- Graduate diploma
- Master's

GDip and MOE coursework option – part-time structure – 72 credit points			M4015 Graduate certificate <i>(exit option)</i>	M5018 Graduate diploma	M6026 Master's – coursework stream
YEAR 1	Semester 1	MPH5241 Introduction to occupational health and safety			
		MPH5243 Chemical and biological hazards			
	Semester 2	MPH5222 Assessment and control of workplace hazards			
		MPH5244 Ergonomic and physical hazards			
YEAR 2	Semester 1	MPH5242 Psychosocial work environment			
		MPH5040 Introductory epidemiology			
	Semester 2	MPH5203 Environmental influences on health			
		MPH5276 Safety management systems			
YEAR 3	Semester 1	MPH5041 Introductory biostatistics			
		Elective			
	Semester 2	Elective			
		Elective			

MOEH – Research option – part-time structure – 72 credit points			M4015 Graduate certificate <i>(exit option)</i>	M6026 Master's – coursework stream
YEAR 1	Semester 1	MPH5241 Introduction to occupational health and safety		
		MPH5243 Chemical and biological hazards		
	Semester 2	MPH5222 Assessment and control of workplace hazards		
		MPH5244 Ergonomic and physical hazards		
YEAR 2	Semester 1	MPH5040 Introductory epidemiology*		
		MPH5041 Introductory biostatistics*		
	Semester 2	MPH5213 Research methods		
		MPH5203 Environmental influences on health		
YEAR 3	Semester 1	MPH5231 Research design and project proposal ■		
		MPH5242 Psychosocial work environment		
	Semester 2	MPH5232 Research conduct analysis, write-up and submission ■		
		Elective		

### Elective units from the list below

MPH5213 Research methods	MPH5276 Safety management systems
MPH5231 Research design and project proposal	BTF5910 Sustainability regulation
MPH5232 Research conduct analysis, write-up and submission	Any graduate unit offered by the Department of Epidemiology and Preventive Medicine (excluding units: MPH5301-MPH5313; EPM5001-EPM5015).

\* Students must achieve a minimum mark of 70% in MPH5040 and MPH5041 to progress into the research pathway

■ Students must discuss the availability of this option with the course coordinator at the commencement of their studies as the course structure may need changing.

Further information available at: [monash.edu.au/pubs/handbooks](http://monash.edu.au/pubs/handbooks)

## Professional recognition

This course is accredited by the Australian OHS Education Accreditation Board. Graduates meet the requirements for certification as GradOHSPProf.



## Career fields

Include: occupational medicine, nursing or management positions within industry, government or independent professional practice.

## Progression to further studies

If you successfully complete the Graduate Diploma of Occupational and Environmental Health, you're eligible to progress to M6026 Master of Occupational and Environmental Health.

## Alternate exit(s)

You can exit early provided you've satisfied the requirements for that award during your enrolment in this graduate diploma course:

- Graduate Certificate of Occupational Health after successful completion of 24 points comprising MPH5222, MPH5241, MPH5243, MPH5244
- Graduate Diploma of Occupational and Environmental Health after successful completion of 48 points comprising MPH5203, MPH5222, MPH5040, MPH5241, MPH5242, MPH5243, MPH5244, MPH5276.

## Timetable and venue

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Census dates and teaching periods

[monash.edu/enrolments/dates/census](http://monash.edu/enrolments/dates/census)

## Further information

### Professor Malcolm Sim

Course coordinator  
[malcolm.sim@monash.edu](mailto:malcolm.sim@monash.edu)

[monash.edu.au/pubs/handbooks/courses](http://monash.edu.au/pubs/handbooks/courses)

---

NOTE: Students must complete compulsory unit block attendance.

International students – a separate recommended full-time on-campus enrolment is available for international students. Please review any variation to recommended enrolment with the course coordinator. Check unit details and prerequisites prior to enrolment.



# Graduate teaching staff

CONTACT DETAILS ARE AVAILABLE ON

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Leaders in their field

### DR S AHERN

**MBBS (Hons), MBA, PhD, FRACMA**

Senior Lecturer and Head, Registry Sciences Units, Acting Course Coordinator, Health Services Management

- Undertook PhD in relation to junior doctor training in the contemporary health service environment.
- In role as Head RSU and is the data custodian for the Australian Cystic Fibrosis Data Registry, member of the steering committees of the Bariatric Surgery Registry and the Australian Breast Device Registry.
- Extensive experience in senior management roles, including previous appointments as Director of Medical Services (Alfred Health), Medical Director of the Postgraduate Medical Council of Victoria (PMCV) and as the Executive Director Medical Services and Clinical Governance (Peninsula Health).
- Board positions previously held with the Centre for Health Innovation (Alfred Health) and the Confederation of Postgraduate Medical Education Councils (CPMEC).

### DR G BENKE

**BSc, MAppSci, GDipQuanMeth, PhD, MAIP, MAAS, FAIOH**

Senior Research Fellow

- Extensive experience as an occupational hygienist in industry and research. He has been involved in the Healthwise study, Lead and Cancer study, Morpheus study, INTEROCC study and the ECRHS study.
- In 2008 Geza was President of the Australian Institute of Occupational Hygienists.
- Research interests include occupational/environmental epidemiology exposure assessment, exposure assessment methodology, occupational cancer and respiratory epidemiology.

### DR B BILLAH

**BSc(Hons), MSc, MAS, PhD**

Senior Lecturer

- Research interests include risk modelling (e.g. mortality risk), modelling for comparison of institutional performance (e.g. hospital/surgeon performance in cardiac surgery), statistical inference, prediction and model selection, among others.
- A chief biostatistician and consultant in a number of research projects in Australia and particularly in the Department of Epidemiology and Preventive Medicine.
- Recently, Baki has developed the AusSCORE model that would help to appropriately guide Australian cardiac surgeons and patients in assessing preoperative risk of cardiac mortality.

### DR L BISHOP

**BA, LLB PhD**

Lecturer

- A Research Governance Officer with SPHPM.
- Research interests include medical law and ethics, women's and children's rights.
- The convenor of the Haemophilia Auxiliary of the Royal Children's Hospital, a founding member and former convenor of Victorian Women Lawyers, and member and former board member of Australia Women Lawyers.

### PROFESSOR R BUCHINDER

**MBBS (Hons) (Monash), MSc (Toronto), PhD (Monash), FRACP**

Director, Monash Department of Clinical Epidemiology, Cabrini Hospital

- An Australian NHMRC Practitioner Fellow.
- A rheumatologist and clinical epidemiologist who combines clinical practice with research in a wide range of multidisciplinary projects relating to arthritis and musculoskeletal conditions.
- Joint Coordinating Editor of the Cochrane Musculoskeletal Group, and chairs the Australian Rheumatology Association Database (ARAD) management committee.

### PROFESSOR F CICUTTINI

**MBBS(Hons), PhD, MSc, DHTM, FRACP, FAFPHM**

Head, Musculoskeletal Unit DEPM  
Head Rheumatology Unit, Alfred Hospital

- Current research includes using magnetic resonance imaging to understand factors that affect joint cartilage in healthy and diseased states.
- Current advisory panel membership includes NHMRC Research Fellowships Advisory Panel, Royal Australasian College of Physicians Research Advisory Committee and Jacquot Selection Committee, RACP, and OARSI study group on osteoarthritis of the hand.

## MICAELA DRIEBERG

### BAppSc (HealthSc), MHlthSc (Health Prom)

Lecturer

- Consultant specialising in integrated health promotion, community engagement and government relations.
- Previously served as the Mayor of the City of Monash and a ministerial adviser to a former health minister.
- A background in public health, urban planning and governance, and passionate about settings-based health promotion.

## ASSOCIATE PROFESSOR A EARNEST

### BSocSc (Hons), DLSHTM, MSc, PhD

Senior Biostatistician, Registry Sciences Unit  
Lecturer

- Current research interest is in risk adjustment and time series analysis of clinical registry data and Bayesian spatio-temporal models. He has developed and applied these models on a number of clinical registries in Australia, Singapore and Cambodia.
- Previous appointments: Director, Centre for Quantitative Medicine (CQM) at Duke-NUS in Singapore. Twenty years of consultative and collaborative methodological input to various collaborators with outcomes published in peer-reviewed international journals.
- Received several research awards, including the University of Sydney International Research Collaboration Award in 2013 and the SingHealth Partners in Education Award: RISE award for mentors and teachers of residents in Singapore. He was awarded the status of Chartered Statistician (C. Stat) by the Royal Statistical Society in London in 2003.

## ASSOCIATE PROFESSOR S EVANS

### BN, MCE, PhD

Head, Clinical Registry Unit  
Lecturer and Senior Research Fellow

- Associate Director, NHMRC CRE in Patient Safety.
- Data custodian for the Australian Prostate Cancer Clinical Registry.
- Principal interest is in the epidemiology of medical error.
- Past roles include Department of Health in South Australia, establishing a state-wide incident reporting system.

## PROFESSOR A FORBES

### BSc (Hons), MSc, PhD

Head, Research Methodology Division Head, Biostatistics Unit  
Course coordinator, Biostatistics Consortium Australia

- Research interests include development of analytical methods for interrupted time series designs, the application of causal modelling principles to practical problems, and latent variable methods.
- Provides statistical consulting within the Faculty of Medicine, its affiliated institutes, and for external bodies.

## PROFESSOR B GABBE

### BPhysio (Hons), MBIostats, MAppSc, PhD

Head, Emergency and Trauma Research Unit  
Lecturer and Senior Research Fellow

- An injury epidemiologist with a clinical background in physiotherapy.
- A chief investigator of the Victorian State Trauma Registry, Victorian Orthopaedic Trauma Outcomes Registry, and the Bi-National Burns Registry.
- Her research focuses on the evaluation of trauma systems, trauma system improvements and measuring the burden of injury. A particular research focus is quantifying the outcomes of non-fatal injury and improving measurement of non-fatal injury burden.

## MS C GILMOUR

Unit Coordinator, Lecturer

- A long history working in health, safety and environment settings, including defence and manufacturing.
- An experienced health, safety and environment practitioner who has developed, managed and evaluated OHS systems for a diverse range of organisations.

## ASSOCIATE PROFESSOR D GLASS

### MA, MSc, PhD, DipOCCHyg

Associate Professor (Research)

- Extensive experience as an occupational hygienist in industry, a researcher and lecturer in occupational and environmental health.
- Research studies: Health Watch, Australian Gulf War veteran's study, Australian Firefighters' Health Study, OccIDEAS.
- Membership: Australian Institute of Occupational Hygiene (AIOH), the British Occupational Hygiene Society (BOHS), and the Australasian Epidemiological Association (AEA), ACGIH TLV committee that sets occupational exposure standards used around the world and is part of the Cancer Council of Australia's Occupational Cancer Working Group.

## DR R HALL

### BSc (Hons), MBBS, DipRACOG, MPH, FRACMA, FAFPHM, MASM, FPHAA

Senior Research Fellow/Lecturer

- 35 years' public health experience, at domestic, state, national and international levels. Four years in the Northern Territory in Aboriginal health, including at the Urapuntja Health Service at Utopia Station.
- Chair of the Technical Advisory Committee on Immunisation and Vaccine Preventable Diseases for the Western Pacific Region of the WHO.
- Past appointments: Director of Communicable Disease Control in South Australia; Director of Public Health in Victoria.

## DR C HODGSON

### BAppSc (Physio), PGDip (Cardio), MResearch, PhD, FACP

Senior Research Fellow

- Senior Research Fellow at the ANZIC-RC leading programs of research in early rehabilitation in intensive care (TEAM) and recovery following critical illness (ICU recovery).
- Research interests include: ARDS, mechanical ventilation, extracorporeal membrane oxygenation (ECMO), ICU acquired weakness, early rehabilitation and long-term outcomes of ICU survivors.

## DR M HUSSAIN

### MBBS (Bangladesh), MPH (Thailand), PhD (Australia)

Lecturer and Research Fellow, Musculoskeletal Unit

- Awarded the prestigious Endeavour International Postgraduate Research Scholarship, Australian Postgraduate Award and a Faculty Excellence Award (Monash University) to join a PhD. Her PhD project investigated the novel and systemic risk factors for knee and hip osteoarthritis. She was awarded the Arthritis Australia Foundation AFA-ARA Heald fellowship.
- Dr Hussain has diverse experiences in working with several public health programs funded by WHO, CDC USA. She has been involved in working with large databases, i.e. the AusDiab study, the Health 2000, the Young Finns Study, the ALSWH etc.
- Research interest involves exploring the metabolic and inflammatory factors in musculoskeletal conditions, particularly osteoarthritis and low back pain. She developed extensive expertise in epidemiological methods, designing and implementing large-scale studies, data linkage studies, monitoring programs.

## PROFESSOR J IBRAHIM

---

**MBBS, GradCert HE, PhD,  
FAFPHM, FRACP**

Senior Lecturer

- Consultant physician in geriatric medicine, in active clinical practice.
- Education and research member of the Centre of Research Excellence in Patient Safety; DEPM Monash University.
- Education and research member of the Department of Forensic Medicine, Victorian Institute of Forensic Medicine, Monash University.
- Adjunct Professor, Australian Centre for Evidence Based Aged Care at La Trobe University.
- Research interests in quality of clinical care, performance measurement, medico-legal death investigation and patient safety.

## ASSOCIATE PROFESSOR D ILIC

---

**BSc, GDipRepSci, MRepSci, PhD, GCHPE**

Head, Medical Education Research and Quality (MERQ) Unit  
Senior Lecturer and Research Fellow

- Coordinates evidence-based clinical practice curriculum for the MBBS degree.
- Course coordinator, Bachelor of Health Science.
- Research interest in male reproductive health issues.

## DR R JOHNSTON

---

**BSc (Hons), PhD**

Managing Editor, Cochrane Musculoskeletal Group, Monash Department of Clinical Epidemiology, Cabrini Hospital

- Managing Editor of the Australian Editorial Base of the Cochrane Musculoskeletal Review Group and author on several Cochrane systematic reviews.
- Extensive experience in conducting systematic reviews to underpin evidence-based decision-making in clinical practice and government policy.
- Experienced in teaching evidence-based clinical practice and how to conduct systematic reviews to clinical staff and students.

## MS V KAY

---

**BA, Grad Dip Pub Hlth, MA**

Unit coordinator

- Previous experience as a social policy and health researcher/adviser in the Victorian Parliament and as a health promotion coordinator in a Victorian Primary Care Partnership.
- Research interests include social and health inequities; environmental sustainability and health; health promotion; feminist theory; and knowledge translation and policy.
- A member of the Friends of the Climate and Health Alliance (CAHA) and the Australian Health Promotion Association (AHPA).

## PROFESSOR D LIEW

---

**MBBS (Hons), BMedSc, FRACP, PhD,  
CertHealthEcon**

Chair of Clinical Outcomes Research  
Co-Director, Monash Centre of Cardiovascular Research and Education in Therapeutics

- A consultant physician at the Alfred Hospital in clinical pharmacology and general medicine.
- Previous appointments: from 2010 to 2015, Chair of Clinical Epidemiology at the University of Melbourne, Director of the Melbourne EpiCentre (Centre for Clinical Epidemiology and Health Services Research) and Head of Medical Unit 1 at the Royal Melbourne Hospital.
- Research capacity and interests include epidemiology, clinical trials, health services research and health economics. His research productivity is highlighted by more than 170 peer-reviewed journal articles, seven book chapters and more than \$40 million in NHMRC, ARC and CRC research funding. He is also passionate about teaching, and is involved in all levels from undergraduate courses to postdoctoral fellowships.
- Member of the Protocol Advisory Sub-Committee (PASC) of the Commonwealth Medical Services Advisory Committee (MSAC) and the Optometry Board Scheduled Medicines Advisory Committee of the Australian Health Practitioner Regulation Agency (AHPRA).

## DR T KEEGEL

---

**BA (Hons), GradDipEpiBio, MA, PhD**

Lecturer

- An occupational epidemiologist with expertise in the analysis of large data sets and the use of administrative data for research purposes.
- Research interests include the psychosocial work environment, work, gender and health, workers' compensation systems, and work and health policy and practice.

## DR H KELSALL

---

**MBBS, MPH, MHlthSc (PHP),  
PhD, FAFPHM**

Senior Research Fellow, MonCOEH

- Course coordinator, MPH multi-modal program.
- Active in public health capacity building and research training, supervising doctoral students and visiting overseas academics.
- Research interests include military and veterans' health, epidemiological research, public health medicine and training, and injury prevention.

## PROFESSOR K LEDER

---

**MBBS (Hons), FRACP, MPH, PhD**

Head, Infectious Disease  
Epidemiology Unit

- Visiting specialist physician at the Royal Melbourne Hospital.
- Research interests include: traveller's health, health issues in immigrants and refugees, and waterborne infections.

## ASSOCIATE PROFESSOR B LOFF

---

**BA, LLB, MA (Medical Law  
and Ethics), PhD**

Head, Human Rights and Bioethics Unit  
Course Coordinator, Master of International Health  
Senior Lecturer and Senior Research Fellow

- Director, Michael Kirby Centre for Public Health and Human Rights.
- Specific areas of interest lie at the intersections of human rights and public health.

## DR JESSICA LOCKERY

---

### MBBS, GradDip (Arts)

ASPREE Medical and Data Manager

- Data systems designer and data management consultant with a clinical background in medicine.
- Data manager for the ASPREE study and Investigator of ASPREE-Knee, Aspirin To Inhibit SEPSIS (ANTISEPSIS), ASPREE-Fracture and ASPREE-Depression sub-studies.
- Her research focuses on the evaluation of health data quality, health data systems design and medication use in the elderly.

## DR M LUBLINER

---

### BMedSc (Hons), MBBS, MBA, FRACMA

Senior Lecturer

- Group Director, Medical Services, St John of God Health Care.
- Extensive medical and health administrative experience, most recently in planning and strategy with Cabrini Health; previous positions in the UK and The Alfred Hospital, Melbourne.
- Areas of interest include: clinical governance, medical leadership, strategic planning and service redesign.

## DR E MACFARLANE

---

### BSc, MPH, PhD

Research Fellow

- An occupational epidemiologist with expertise in occupational exposure assessment in a wide variety of research activities covering a diversity of Australian industries.
- With methodological expertise in longitudinal research, cohort studies, nested case-control studies, disease surveillance programs, large data sets and the use of pre-existing data to answer new research questions. He also has considerable experience in record linkage of large data sets and registries.
- Research interests include occupational injury, agricultural health, pesticides and other chemical exposures, psychosocial exposures, asbestos and mesothelioma.

## ASSOCIATE PROFESSOR D MAGLIANO

---

### BAppSc (Hons), PhD

Senior Epidemiologist  
Lecturer

- Holds a part-time position at Monash University and works as a senior epidemiologist at the Baker IDI Heart and Diabetes Institute.
- Research interests include diabetes and cardiovascular disease.
- Her current project involves preparing a proposal for a study of cardiovascular disease in elderly Victorians.

## MS K MAKAROUNAS-KIRCHMANN

---

### BEc, MEc

Senior Lecturer

- Director, KMC Health Care
- Current research interest in economic evaluations and pharmaceutical markets.

## MS N MOLLARD

---

### BA (Philosophy), LLB (Hons), MBioethics

Senior Fellow, barrister and  
accredited mediator  
Lecturer

- Extensive years of experience teaching in litigation and civil procedure, torts, evidence, criminal law and in legal research.
- A reporter for the (former) Victorian Reports, a blogger for the Victorian Bar (Bloggers@theBar), and has published a number of papers in the areas of medical negligence and forensic medicine.

## DR A OWEN

---

### BSc (Hons) PhD

Senior Research Fellow/Lecturer

- Areas of research interest: cardiovascular effects of long-chain omega-3 fats, epidemiological modelling and community strategies for blood pressure control.
- Senior investigator of the ASPREE Longitudinal Study of Older Persons (ALSOP).

## DR H ROWE

---

### BSc (Hons), PhD

Senior Research Fellow, Jean Hailes  
Research Unit

- A background in the biological and psychological sciences and health promotion.
- Current research interests in perinatal mental health, fertility management and health service evaluation.
- A member of the editorial board of the International Breastfeeding Journal, Associate Editor of BMC Pregnancy and Childbirth, and Secretary General of the International Society of Psychosomatic Obstetrics and Gynaecology.

## ASSOCIATE PROFESSOR B SMITH

---

### BSW (Hons), MPH, PhD

Senior Lecturer

- Background in community development, 15 years of experience as a health promotion practitioner and evaluator, worked in regional health services and domestic government, and as a consultant for state and Commonwealth governments in Australia, UNICEF and the World Health Organisation.
- Research interests: measurement of health risk factors and determinants; the role of the mass media in health promotion; design of chronic disease prevention strategies for health care settings.
- A member of the editorial board of the Health Promotion Journal of Australia, and has work published globally.

## DR R STUCKEY

---

### BAppSc, GradDipErgonomics PhD, MPH

Senior Lecturer

- Experienced occupational health practitioner who has worked across industry as a consultant and trainer for more than 30 years.
- An ergonomist and OHS adviser with qualifications in occupational therapy, ergonomics and public health.

## ASSOCIATE PROFESSOR A WLUKA

---

### MBBS, FRACP, PhD, Grad CertHealthEcon

Senior Research Fellow

- Consultant Rheumatologist, Alfred Hospital.
- Research interests: osteoarthritis and prediction of disease.

## PROFESSOR R WOLFE

---

### BSc, PhD

Biostatistician

- Provides statistical support for a wide range of epidemiological and clinical research studies.
- Undertakes statistical methodological research.

# Burnet Institute, Centre for International Health

## DR B COGHLAN

---

**MBBS, MPH&TM, MAppEpid, FAFPHM**

Adjunct Senior Lecturer

- Medical health physician/medical epidemiologist.
- Extensive field experience in Africa, Asia and the Pacific in both complex humanitarian emergencies and development settings.
- Interests include communicable disease control, including emerging and re-emerging infectious diseases, surveillance, refugee health, nutrition, and applied research.

## MR G CHAN

---

Adjunct Lecturer

MPH, GradDip Education, BA  
(Hons Italian)

- International health and development officer.
- From 2011 to 2013 based in Papua New Guinea, working on a range of Burnet projects, including the East New Britain Sexual Health Improvement Project and Home Based Malaria Management.
- Geoff has strong practical experience in health programming and implementation in developing contexts, including training and capacity-building approaches.

## MS L DAVIDSON

---

**RN, MPH**

Adjunct Lecturer

- Sexual and reproductive health specialist.
- 19 years' experience in international health and development with a particular focus on community health programming, child welfare and social development, in the fields of HIV and AIDS, TB and malaria.
- Strong technical background in health, coupled with a comprehensive understanding and practical experience in health programming in a development context.

## DR P HIGGS

---

**BSc, MA, PhD**

Adjunct Lecturer

- Peter has a background in community development and has worked with marginalised populations in Melbourne, Sydney, Vietnam, Indonesia and China for 20 years.
- Currently working on an international collaboration investigating protective as well as risk factors in blood-borne virus transmission for long-term injecting drug users with the National Centre in HIV Epidemiology and Clinical Research at the University of NSW.

## MR C HUGHES

---

**BSc (Biomed), MPH**

Adjunct Lecturer

- A public health practitioner with specific expertise and interest in strategic planning for responding to the HIV epidemic, scaling up interventions, and monitoring and evaluating programs.
- Leads the Centre for International Health's portfolio of programs relating to HIV, and harm reduction programs for people who use alcohol and other drugs.

## DR E KENNEDY

---

**MBBS, MPH**

Adjunct Senior Lecturer

- Women's and children's health specialist and Principal for Maternal and Child Health at Centre for International Health, Burnet Institute.
- Public health and research interests in sexual and reproductive health, family planning and adolescent health.
- Ten years of experience working in women's and children's health programs as clinician, public health practitioner and researcher in Africa, the Pacific and Asia.

## DR S MAJUMDAR

---

**MBBS, MPH&TM, MRCP, FRACP**

Adjunct Lecturer

- Infectious diseases specialist at the Centre for International Health, Burnet Institute
- Physician, public health practitioner and researcher with focused skills in the clinical and programmatic management of TB/drug-resistant TB, HIV medicine, training health care workers and operational/implementation research.
- Field experience implementing TB/HIV and global health programs in PNG, Myanmar, Timor-Leste, China, India, Mexico, Swaziland and regions of the former Soviet Union.

## DR C MORGAN

---

**MBBS, DTCH, FRACP**

Adjunct Senior Lecturer

- Principal Fellow, Centre for International Health.
- Research interests in health care delivery systems, maternal and newborn health, immunisation services, health worker education, evidence-informed health policy and aid effectiveness.
- Substantial years of field experience from life and work in Nepal, China (Tibet), Papua New Guinea, Myanmar and elsewhere in Asia and the Pacific, coupled with advisory work for the WHO.

## DR M REEVE

---

**MBBS (Hons), MPH**

Adjunct Lecturer

- Senior Project Officer at the Nossal Institute for Global Health with a focus on primary health care, monitoring and evaluation, harm reduction and maternal and child health.
- Field experience from living and working in Pakistan, north-east India, Kenya and Bangladesh.
- Also teaches and coordinates 'Primary Health Care in Jamkhed, India'.

## PROFESSOR M TOOLE

---

### BMedSc, MBBS, DTM&H

Deputy Director, Burnet Institute  
Course Coordinator: Graduate  
Diploma in International Health

- Medical epidemiologist and public health physician.
- Extensive experience working in refugee health programs in Thailand, Somalia, Sudan and Eritrea. He spent eight years at the US Centres for Disease Control and Prevention, Atlanta, GA, where he coordinated CDC's technical assistance to refugee and displaced populations, including field work in Ethiopia, Kenya, Malawi, Kurdistan, Sudan, Pakistan, Russia, Armenia, Bosnia-Herzegovina, Somalia, Rwanda and Zaire.
- Recent work has focused on Laos, PNG, Tibet and Myanmar.

## DR R JENKINSON

---

### BEng(Geol), GradDipEpiBiostats, MEpid, PhD

Adjunct Lecturer

- NHMRC Postdoctoral Fellow and an Invergowrie Foundation Public Health Fellow, administered through the Burnet Institute.
- Holds a Research Fellow position at the Australian Institute of Family Studies and an Adjunct Lecturer position at Monash University.
- Current work aims to improve understanding of young people's engagement in alcohol and other drug use and related behaviours, including gambling behaviour.

## MS J DAVIS

---

### BA (Hons)/BSc, MPH

Adjunct Lecturer

- Women's and children's health specialist at the Burnet Institute.
- Research and programming interests in community engagement and community-based care for maternal, newborn and child health (MNCH) and sexual and reproductive health (SRH).
- Experience working in Nepal, Myanmar and Papua New Guinea, with short-term inputs on projects elsewhere in the Asia Pacific.

## MS Y MOHAMED

---

### BSc (Hons), RN, MPH

Adjunct Lecturer

- Women's and children's health officer at Centre for International Health, Burnet Institute.
- Public health and research interests in maternal and child health, sexual and reproductive health, and point-of-care diagnostics.
- Clinician and public health researcher with current projects focusing on women's and children's health in Africa, Asia and the Pacific.

## MS T ADEPOYIBI

---

### BSc, MPH

Adjunct Lecturer

- International Health and Development Specialist at the Centre for International Health, Burnet Institute.
- Research and programming interests in TB, NCDs, diagnostics and social determinants of health.
- Field experience in Africa, Asia Pacific and Caribbean.

## MS K DURRANT

---

### BASc, MPH

Adjunct Senior Lecturer

- Women's and children's health program manager and sexual and reproductive health specialist at the Centre for International Health, Burnet Institute.
- 10-plus years' experience in international health and development focused on comprehensive sexual and reproductive health, HIV/STI prevention, family planning, healthy ageing, disability, gender and other aspects of women's and children's health.
- Practical experience managing programs and building local capacity across the Asia Pacific region, including extensive field-based work in China, the Philippines, Vietnam and Fiji.

## MS L COMRIE-THOMSON

---

### PhB (Arts) (Hons Development Studies), MPH

Adjunct Lecturer

- Women's and children's health specialist and Burnet Institute Fellow at Centre for International Health, Burnet Institute.
- Research and programming interests in improving women's and children's health through focusing on gender equality, nutrition, and men's involvement in maternal and infant health. Also interested in promoting the effective design and implementation of field research in resource-constrained settings, including capacity-building of local researchers.
- Field experience across Asia, the Pacific and Africa, with current projects in Zimbabwe and Papua New Guinea.

# Units 2017

These descriptions provide a brief listing of units; detailed information is available at: [monash.edu.au/pubs/handbooks](http://monash.edu.au/pubs/handbooks)

## Introduction to health economics ECC5970

 **LECTURER** Dr S Kassenboehmer

 **POINTS** 6

 **MODE OF STUDY** Off-campus


 **SEMESTER** 1

 **CAMPUS** Clayton

This unit provides an understanding of the microeconomic approach to resource allocation, both in general and specifically, in relation to the health sector. It introduces you to the use of economic tools in the analysis of the 'market' for health care, in terms of efficiency and equity. It also provides an analytical framework for assessment of the Australian health care system, and health policy generally, from an economic perspective.

[monash.edu.au/pubs/handbooks/units/ECC5970.html](http://monash.edu.au/pubs/handbooks/units/ECC5970.html)

## Pharmaceutical economics ECC5971

 **LECTURER**  
Associate Professor S Zavarsek

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Clayton

The economics of the pharmaceutical industry, including the market for pharmaceuticals and its regulation internationally and in Australia. Principles of economic evaluation of the costs and outcomes of pharmaceutical products, and provides a guide to best practice with particular emphasis on clinical trials and protocol design.

[monash.edu.au/pubs/handbooks/units/ECC5971.html](http://monash.edu.au/pubs/handbooks/units/ECC5971.html)

## Economic evaluation in health care ECC5973

 **LECTURER**  
Associate Professor S Zavarsek

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Clayton

This unit introduces you to techniques of microeconomic appraisal in the evaluation of health care programs. It considers conceptual and methodological issues, as well as the practical conduct, and review, of such studies and their use in priority setting within the health care sector. The application of decision rules for economic efficiency in health program evaluation and their influence on policy decisions are introduced.

[monash.edu.au/pubs/handbooks/units/ECC5973.html](http://monash.edu.au/pubs/handbooks/units/ECC5973.html)

## Applied health economics and health policy ECC5974

 **LECTURER** Dr G Chen

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Clayton

### Prerequisites

ECX9700 or ECC5970, or have obtained permission from the unit coordinator.

This unit synthesises contemporary issues in health policy, building on the fundamental economic concepts, including economic efficiency and equity, learned in the first-level introductory unit.

It's aimed at further developing the core concepts of efficiency and equity, and the application of contemporary health care issues. The unit is organised around three themes: the role of government in the health care system; government regulation in the organisation and delivery of health care services and incentives for equity and efficiency; and the use of economic principles to analyse and develop policy options in health care.


[monash.edu.au/pubs/handbooks/units/ECC5974.html](http://monash.edu.au/pubs/handbooks/units/ECC5974.html)

## Principles of health economics for developing countries

ECC5975

 **LECTURER**  
Associate Professor D Mortimer

 **POINTS** 6

 **MODE OF STUDY**  
On-campus block of classes

 **SEMESTER** 1

 **CAMPUS** Alfred

The unit provides an overview of the particular problems confronted by health care systems in developing countries. Economic principles are used to review and develop policy options for financing of the health sector, and approaches to priority setting that foster improved expenditure allocation. Practical aspects of individual health care project appraisal in developing countries are also addressed.

[monash.edu.au/pubs/handbooks/units/ECC5975.html](http://monash.edu.au/pubs/handbooks/units/ECC5975.html)

## Health indicators and health surveys

EPM5001

 **LECTURER** Dr A Teixeira-Pinto

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1

 **CAMPUS** Alfred

### Co-requisite

MPH5040

Introduction to a variety of health-related data collection sources, calculation of population fertility, mortality and morbidity rates, health service utilisation measures, disease registration and reporting. Use of direct and indirect age standardisation, life expectancy calculations, valid comparisons and health differentials. Development, design and delivery of health questionnaires. Use of focus groups, standard instruments for health surveys, coding, validity, reliability of measures and models of data collection. Efficient sampling strategies, data interpretation and analysis, including stratification, clustering and weighting.

[monash.edu.au/pubs/handbooks/units/EPM5001.html](http://monash.edu.au/pubs/handbooks/units/EPM5001.html)

## Mathematical background for biostatistics

EPM5002

 **LECTURER** Dr T Mattner

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

Core topics in algebra and analysis, including polynomial and simultaneous equations, graphs, concepts of limits, continuity and series approximations, including Taylor series expansions. Calculus is used to describe techniques of integration and differentiation of vector expressions. Study of probability, concepts of probability laws, random variables, expectation and distributions. Essential topics in matrix algebra relevant to biostatistical methods. Essential numerical methods, including Newton-Raphson method for solution of simultaneous equations and concepts of numerical integration.

[monash.edu.au/pubs/handbooks/units/EPM5002.html](http://monash.edu.au/pubs/handbooks/units/EPM5002.html)

## Principles of statistical inference

EPM5003

 **LECTURER**  
Associate Professor P Kelly

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5014

The unit will introduce the core concepts of statistical inference, beginning with estimators, confidence intervals, type I and II errors and p-values. The emphasis will be on the practical interpretation of these concepts in biostatistical contexts, including an emphasis on the difference between statistical and practical significance. Classical estimation theory, bias and efficiency. Likelihood function, likelihood based methodology, maximum likelihood estimation and inference based on likelihood ratio, Wald and score test procedures. Bayesian approach to statistical inference vs classical frequentist approach. Nonparametric procedures, exact inference and resampling based methodology.


[monash.edu.au/pubs/handbooks/units/EPM5003.html](http://monash.edu.au/pubs/handbooks/units/EPM5003.html)

## Linear models

EPM5004

 **LECTURER**  
Associate Professor S Heritier

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5014, MPH5040

This unit explores biostatistical applications of linear models with an emphasis on underlying theoretical and computational issues, practical interpretation and communication of results. By a series of case studies, you'll explore extensions of methods for group comparisons of means (t-tests and analysis of variance) to adjust for confounding and to assess effect modification/interaction, together with the development of associated inference procedures. Multiple regression strategies and model selection issues will be presented together with model checking and diagnostics. Nonparametric regression techniques, and random effects and variance components models will also be outlined.

[monash.edu.au/pubs/handbooks/units/EPM5004.html](http://monash.edu.au/pubs/handbooks/units/EPM5004.html)

## Data management and statistical computing

EPM5005

 **LECTURER** Dr J Louise

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

This unit will describe and demonstrate the complexity of data management and statistical computing methods. It will enable you to communicate effectively about the issues in storing and retrieving information, and in assessing the quality and limitations of data repositories. It uses examples from real data sets to give you practical skills in data management, assessment of data quality, and handling and linking of large volumes of data.

[monash.edu.au/pubs/2017handbooks/units/EPM5005.html](http://monash.edu.au/pubs/2017handbooks/units/EPM5005.html)



## Clinical biostatistics

EPM5006

 **LECTURER** Professor A Dobson

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1

 **CAMPUS** Alfred

### Co-requisite

EPM5004

### Prerequisites

EPM5002, EPM5003, EPM5007, EPM5014, MPH5040

Practical applications of statistical methods in clinical settings. Methods for assessment of clinical agreement, statistical properties of diagnostic tests and their interpretation, fundamentals of modelling for clinical prediction. Study of meta-analysis methods in the context of randomised trials, diagnostic tests and observational studies, assessing heterogeneity and publication bias. Assessment of the application, analysis and utility of crossover and equivalence trials

[monash.edu.au/pubs/handbooks/units/EPM5006.html](http://monash.edu.au/pubs/handbooks/units/EPM5006.html)

## Design of randomised controlled trials

EPM5007

 **LECTURER** Dr A Salter

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002, MPH5040


This unit will introduce randomised comparisons as a major tool used in medical research and the basis of providing evidence for improving clinical practice.

By developing problems based on clinical questions, the need and value of different experimental designs will be introduced and expanded. Within this context, issues with regards to randomisation, ethical issues, clinical study design and analysis interpretation will be developed, as will selection of outcome variables, surrogate endpoints and dealing with missing data. Efficiency issues such as sample size and power will be introduced at appropriate points in the unit.


[monash.edu.au/pubs/handbooks/units/EPM5007.html](http://monash.edu.au/pubs/handbooks/units/EPM5007.html)

## Longitudinal and correlated data analysis

EPM5008

 **LECTURER** Professor A Forbes/  
Associate Professor J Carlin

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1

 **CAMPUS** Alfred

### Co-requisite

EPM5004

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5009, EPM5014, MPH5040

This unit will develop statistical models for longitudinal and correlated data in medical research. The concept of hierarchical data structures will be developed, together with simple numerical and analytical demonstrations of the inadequacy of standard statistical methods. Normal-theory model and statistical procedures, i.e. mixed linear models, are explored using SAS or Stata statistical software packages. Extension to non-normal outcomes emphasising clinical research question. Case studies contrast generalised estimating equations and generalised linear mixed models. Limitations of traditional repeated measures analysis of variance and non-exchangeable models.

[monash.edu/pubs/2017handbooks/units/EPM5008.html](http://monash.edu/pubs/2017handbooks/units/EPM5008.html)

## Categorical data and generalised linear models

EPM5009

 **LECTURER** Dr M Jones

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Alfred

### Co-requisite

EPM5004

### Prerequisites

EPM5002, EPM5003, EPM5014, MPH5040

This unit will explore biostatistical applications of generalised linear models with an emphasis on underlying theoretical issues, and practical interpretation of the results of fitting these models.

Relevant methods for 2 x 2 and 2 x k tables extended into logistic regression for a binary outcome as a special case of generalised linear modelling. Measures of association and modelling techniques for ordinal outcomes. Methods for analysing count data. Techniques for dealing with matched data, e.g. from case control studies.

[monash.edu.au/pubs/handbooks/units/EPM5009.html](http://monash.edu.au/pubs/handbooks/units/EPM5009.html)

## Survival analysis

EPM5010

 **LECTURER** Dr K Beath

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5014, MPH5040

Biostatistical applications of survival analysis with emphasis on underlying theoretical and computational issues, practical interpretation and communication of results. Case studies; you'll explore the various methods for handling survival data. Kaplan-Meier curve definition and its extension, survival prospects using logrank test, and confidence intervals for relative risks, graphical displays and assessing underlying assumptions. Mantel-Haenszel method's connection to survival analysis. Cox proportional hazards model for handling continuous covariates. Various extensions of this model, including time-dependent covariates, multiple outcomes and censored linear regression model.

[monash.edu.au/pubs/handbooks/units/EPM5010.html](http://monash.edu.au/pubs/handbooks/units/EPM5010.html)

## Biostatistics practical project – double unit

EPM5011

 **LECTURER** Professor A Forbes

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2 or FY

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5005, EPM5009, EPM5014, MPH5040

You'll be exposed to real-life biostatistical problems in an academic health research environment, industry or government under supervision by an experienced biostatistician with a staff or honorary appointment at Monash University.

You'll be allocated, or may select, one or more research projects, and required to make regular contact with the associated health research personnel together with the supervisor. Under the guidance of the supervisor, you'll assume responsibility for statistical aspects of the relevant research project(s), perform an analysis of appropriate complexity for the project, then present and interpret the results in a written and oral form.

[monash.edu.au/pubs/handbooks/units/EPM5011.html](http://monash.edu.au/pubs/handbooks/units/EPM5011.html)

## Bioinformatics

EPM5012

 **LECTURER** Dr N Armstrong

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5014, MPH5040

The unit begins with a brief review of elementary molecular biology: DNA, RNA, the central dogma, meiosis, mitosis and genes.

Some fundamental mathematical tools for statistical analysis are also reviewed. The course then covers sequence alignment, database searching, Mendelian genetics, and techniques for discovering connections between genes and disease: association, linkage and variance components studies.


[monash.edu.au/pubs/handbooks/units/EPM5012.html](http://monash.edu.au/pubs/handbooks/units/EPM5012.html)


## Bayesian statistical methods

EPM5013

 **LECTURER**  
Associate Professor L Gurrin

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 2 – not offered in 2017

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5009, EPM5014, MPH5040

This unit provides a thorough introduction to the concepts and methods of modern Bayesian statistical methods with particular emphasis on practical applications in biostatistics.

Comparison of Bayesian concepts involving prior distributions with classical approaches to statistical analysis, particularly likelihood-based methods. Applications to fitting hierarchical models to complex data structures via simulation from posterior distributions using Markov chain Monte Carlo techniques (MCMC) with the WinBUGS software package.

[monash.edu.au/pubs/handbooks/units/EPM5013.html](http://monash.edu.au/pubs/handbooks/units/EPM5013.html)

## Probability and distribution theory

EPM5014

 **LECTURER** Professor R Wolfe,  
Professor A Forbes

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002

This unit involves the study of basic probability and calculus-based methods of underpinning probability distributions and parameter estimation.


[monash.edu.au/pubs/handbooks/units/EPM5014.html](http://monash.edu.au/pubs/handbooks/units/EPM5014.html)

## Biostatistical practical project – single unit

EPM5015

 **LECTURER** TBC

 **POINTS** 6

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### Prerequisites

EPM5002, EPM5003, EPM5004, EPM5005, EPM5009, EPM5014, MPH5040

This unit will involve you being exposed to a real-life biostatistical problem arising in an academic health research environment or industry. You'll be supervised by an experienced biostatistician with a staff or honorary appointment at Monash University. You'll be allocated, or may select, one research project to be involved in, and will be required to make regular contact with the associated health research personnel together with the supervisor. You'll perform an analysis of appropriate complexity for the project, and present and interpret the results in a written form to the health researcher and supervisor.

[monash.edu.au/pubs/handbooks/units/EPM5015.html](http://monash.edu.au/pubs/handbooks/units/EPM5015.html)

## Foundation of international health

EPM5023

 **LECTURER**  
Associate Professor B Loff

 **POINTS** 6

 **MODE OF STUDY**  
On-campus block of classes

 **SEMESTER** 2

 **CAMPUS** Alfred

This unit examines the colonial history that produced the policies informing international health practice and the contemporary issues that arise out of this history. A range of topics are considered, including problematic ambiguities hidden within the term 'global health'; contemporary approaches to international development; geopolitics and the neocolonial features of the current international health landscape; pandemics and complex humanitarian crises; and approaches to justice, exploitation and vulnerability.

Specific attention will be given to recent debates concerning ethical issues in international health research.

[monash.edu.au/pubs/handbooks/units/EPM5023.html](http://monash.edu.au/pubs/handbooks/units/EPM5023.html)

## Improving Indigenous equity in professional practice

MAP4200



**LECTURER**

Associate Professor K Adams



**POINTS** 6



**MODE OF STUDY** Off-campus



**SEMESTER** 1



**CAMPUS** Alfred

This unit develops and strengthens practical skills required for implementing Indigenous equity. Delivery of effective, high-standard services to Indigenous people is one of the enduring challenges facing a variety of organisations and providers. In this unit you'll explore and engage in practical skills of: cultural safety; partnership building; organisational development; and analysis of the strengths-based evidence. You'll be given the opportunity to critically analyse current practices in Indigenous equity, design evidence-based advocacy and create a strategic change plan of relevance to your professional work and aspirations.

[monash.edu.au/pubs/handbooks/units/MAP4200.html](http://monash.edu.au/pubs/handbooks/units/MAP4200.html)

## Foundations of health promotion and program planning

MPH5002



**LECTURER**

Associate Professor B Smith



**POINTS** 6



**MODE OF STUDY** Off-campus



**SEMESTER** 1



**CAMPUS** Alfred

This unit provides opportunities to examine the impact of multiple factors that contribute to the health of populations, focusing on role of the social determinants of health, and to develop knowledge and skills in program planning for health promotion.

You'll examine the values and principles that guide contemporary health promotion and its capacity to influence the determinants of health. You'll develop skills in needs assessment, priority setting, designating targets for change, using evidence and theory to make intervention choices and establishing systems for program management.

The roles played by partnerships, capacity building and participation will be explored, and the steps towards improving program sustainability examined.

Attention will be given to the opportunities and challenges presented in different organisational settings, and social and cultural contexts.

[monash.edu.au/pubs/handbooks/units/MPH5002.html](http://monash.edu.au/pubs/handbooks/units/MPH5002.html)

## Introduction to epidemiology and biostatistics

MPH5020



**LECTURER**

Dr M Davies / Professor F Cicuttini



**POINTS** 6



**MODE OF STUDY**

OCL online and one block day



**SEMESTER** 1 or 2



**CAMPUS** Alfred

Differences between descriptive and analytical epidemiology, strengths and weaknesses of different epidemiological study design, and basic concepts and methods of biostatistics, including confidence intervals, p-values and sample size, statistical tests for comparing groups, regression models and survival analysis. Design and evaluation of clinical trials.

[monash.edu.au/pubs/handbooks/units/MPH5020.html](http://monash.edu.au/pubs/handbooks/units/MPH5020.html)

## Evaluation public health programs

MPH5022



**LECTURER**

Associate Professor B Smith



**POINTS** 6



**MODE OF STUDY** Off-campus



**SEMESTER** 2



**CAMPUS** Alfred

Program evaluation can provide valuable evidence to improve the delivery, reach and impact of public health strategies. This unit will equip you with the skills to evaluate disease prevention and health promotion strategies using a range of methodologies. Levels of evaluation will be examined, including formative, process, impact and outcome evaluation, and the range of qualitative and quantitative methods suitable for answering different evaluation questions will be identified.

The complementary roles of different methodologies will be highlighted, with consideration given to approaches that will facilitate learning for practice.

There will be exploration and discussion of the evaluation challenges posed by the complexities of public health action and the contexts in which it is carried out.

[monash.edu.au/pubs/2017handbooks/units/MPH5022.html](http://monash.edu.au/pubs/2017handbooks/units/MPH5022.html)

## Introductory epidemiology

MPH5040



**LECTURER** Associate Professor

Dianna Magliano – (DAY);

Dr Monira Hussain (DE)



**POINTS** 6



**MODE OF STUDY**

Semester 1 – option one: On-campus (DAY) @ two compulsory contact hours per week, or Option two: Off-campus learning and compulsory two block days; Semester 2 – online (DE)



**SEMESTER** 1 or 2



**CAMPUS** Alfred

### Co-requisite

MPH5041 To be taken concurrently with MPH5040. Together they are prerequisites for clinical epidemiology elective units.

NOTE: Mandatory attendance requirements


Contents: rates, sources of data, descriptive and analytical epidemiology, epidemiological study designs, critical appraisal of literature, screening, prevention, exposure assessment, outbreak investigation, confounding and bias.

You're expected to be competent at mathematics to a Year 7 level.

[monash.edu.au/pubs/handbooks/units/MPH5040.html](http://monash.edu.au/pubs/handbooks/units/MPH5040.html)

## Introductory biostatistics

MPH5041

 **LECTURER** Dr Baki Billah

 **POINTS** 6

 **MODE OF STUDY**

Semester 1 – option one: On-campus (DAY) @ four contact hours per week, or Option two: Off-campus learning and compulsory two block days; Semester 2 – online (DE)

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### Co-requisites

MPH5040, except for those enrolled in courses 3896, 2312 or M4002

NOTE: You don't have provision to borrow SPSS CD from Monash University; you have to lease/buy it from IBM SPSS.

This unit introduces you to biostatistics as applied to public health and management studies. Biostatistics is the science of describing, summarising and analysing health-related data. It is essential to understand biostatistics in order to design, conduct and interpret health-related research. The basic principles and methods used in biostatistics are covered in this unit. This includes the technical qualifications necessary for analysing and interpreting data on a descriptive and bivariate level.

[monash.edu.au/pubs/handbooks/units/MPH5041.html](http://monash.edu.au/pubs/handbooks/units/MPH5041.html)

## Climate change and public health

MPH5042

 **LECTURER** Ms Valerie Kay

 **POINTS** 6

 **MODE OF STUDY** Flexible

 **SEMESTER** 2

 **CAMPUS** Alfred

This unit will examine the health impacts of climate change, and the relevance of this to the principles and practices of public health. Informed by an understanding of the fundamental role of climate stability for sustained population health, and of evidence for anthropogenic global warming, the focus of the unit will be on direct and indirect mechanisms through which climate change could impact on health, including extreme weather events, changing patterns of vector-borne disease, water-borne infections, food quality and availability, air quality, and social disruption. There will be an emphasis on evidence for past and predicted health effects, health burden magnitude and

distribution, and the complex interplay between population and environmental factors that influence vulnerability. Students will apply this knowledge to critically appraise adaptation and mitigation initiatives from a public health perspective, and will be expected to engage with current climate change issues and communicate their ideas clearly and effectively.

[monash.edu.au/pubs/handbooks/units/MPH5042.html](http://monash.edu.au/pubs/handbooks/units/MPH5042.html)

## Regression methods for epidemiology

MPH5200

 **LECTURER** Professor R Wolfe

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and 2 x 2 block days

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

Credit average in units MPH5040 and MPH5041

Confounding and effect modification, logistic regression, conditional logistic regression for matched case-control studies, linear regression, diagnostics to assess model fit, model estimation methods, Poisson regression for rates, Stata statistical software.


[monash.edu.au/pubs/2016handbooks/units/MPH5200.html](http://monash.edu.au/pubs/2016handbooks/units/MPH5200.html)

## Clinical epidemiology

MPH5202

 **LECTURER** Professor D Liew

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

### Co-requisites

MPH5040 and MPH5041

This unit helps you extend, integrate and apply your core knowledge and skills across the broad domain of clinical research.

This unit will require you to formulate clinical questions (regarding diagnosis, management, harm and prognosis), and develop strategies to search the scientific literature to answer these questions. The unit will provide opportunities for you to conduct critical appraisals of primary studies, clinical practice guidelines, shared decision-making tools and systematic

reviews, and apply the results to clinical research and inform patient care.


[monash.edu.au/pubs/handbooks/units/MPH5202.html](http://monash.edu.au/pubs/handbooks/units/MPH5202.html)

## Environmental influences on health

MPH5203

 **LECTURER** Dr E MacFarlane

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and three block days

 **SEMESTER** 2

 **CAMPUS** Alfred

Environmental influences on health, including physical, chemical and biological hazards, as well as principles of assessment, management and control of environmental health risks.


[monash.edu.au/pubs/handbooks/units/MPH5203.html](http://monash.edu.au/pubs/handbooks/units/MPH5203.html)

## Chronic disease: Epidemiology and prevention

MPH5207

 **LECTURER** Dr R Hall

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

MPH5040 and MPH5041

Epidemiology and control of chronic diseases. Overview of important chronic diseases in Australia in 2011, and strategies for their prevention and control. Measurement of disease and burden of disease; concept of risk factors and risk factors for important chronic diseases; the effect of social and economic factors on the epidemiology of chronic diseases; impact of chronic diseases on society and the economy; smoking, nutrition and physical activity as risk factors for important chronic diseases; cardiovascular diseases and their prevention; oral diseases and their prevention; injuries and their prevention; respiratory diseases and their prevention; cancers and their prevention; screening as a public health tool; health promotion as a public health tool; use of evidence in public health programs to prevent chronic diseases.

[monash.edu.au/pubs/handbooks/units/MPH5207.html](http://monash.edu.au/pubs/handbooks/units/MPH5207.html)

## Research methods

MPH5213

 **LECTURER** Dr A Wluka

 **POINTS** 6

### **MODE OF STUDY**

Option one: On-campus (DAY) @ two compulsory contact hours per week, or Option two: Off-campus learning and compulsory two block days.  
NOTE: These are not interchangeable midway through semester.

 **SEMESTER** 2

 **CAMPUS** Alfred

### **Prerequisites**

MPH5040 and MPH5041

This unit provides an introduction to the research methods used in observational studies and is designed to help you 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 you to planning data management and statistical analysis, and developing a study budget. An introduction to the role of qualitative research is also covered.

[monash.edu.au/pubs/handbooks/units/MPH5213.html](http://monash.edu.au/pubs/handbooks/units/MPH5213.html)

## Infectious diseases: epidemiology and prevention

MPH5218

 **LECTURER** Professor K Leder

 **POINTS** 6

### **MODE OF STUDY**

OCL online and two block days

 **SEMESTER** 2

 **CAMPUS** Alfred

### **Prerequisites**

MPH5040 and MPH5041

Importance of transmission source, host and organism factors in infectious disease epidemiology. Outbreak investigation, surveillance of infectious diseases, prevention/control strategies, mathematical modelling of infectious diseases and of impact of immunity. Includes discussion of infection control, vaccines, exotic and emerging diseases.

[monash.edu.au/pubs/handbooks/units/MPH5218.html](http://monash.edu.au/pubs/handbooks/units/MPH5218.html)

## Assessment and control of workplace hazards

MPH5222

 **LECTURER** Dr G Benke

 **POINTS** 6

### **MODE OF STUDY**

OCL online and three block days

 **SEMESTER** 2

 **CAMPUS** Alfred

### **Prerequisites**

MPH5243

How to recognise, evaluate and control hazards in workplaces arising from substances, sound, radiation and micro-organisms. Principles and practice of occupational hygiene, including the use of simple instruments, ventilation, personal protective equipment and workplace substances laws. Hygienic standards and their various forms and notations. The difficulties of assessing prior exposures for medico-legal and epidemiological purposes.

[monash.edu.au/pubs/handbooks/units/MPH5222.html](http://monash.edu.au/pubs/handbooks/units/MPH5222.html)

## Research design and project proposal

MPH5231

 **LECTURER** Professor B Gabbe

 **POINTS** 6

### **MODE OF STUDY** Off-campus learning

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### **Prerequisites**

Distinction (70-79%) or high distinction (80% or higher) in MPH5040 and distinction (70-79%) or high distinction (80% or higher) in MPH5041.

This unit is designed to allow you to identify a research project in the field of population health or clinical research, confirm an appropriate supervisor, develop the research question and methodology, and commence the project, including obtaining ethics approval if relevant.

[monash.edu.au/pubs/handbooks/units/MPH5231.html](http://monash.edu.au/pubs/handbooks/units/MPH5231.html)

## Research conduct, analysis, write-up and submission

MPH5232

 **LECTURER** Professor B Gabbe

 **POINTS** 6

### **MODE OF STUDY** Off-campus learning

 **SEMESTER** 1 or 2

 **CAMPUS** Alfred

### **Prerequisites**

Distinction (70-79%) or high distinction (80% or higher) in MPH5040 and distinction (70-79%) or high distinction (80% or higher) in MPH5041.

This is the final unit of two units designed to allow you to complete the conduct and write-up of a research project in the field of population health or clinical research. In this unit, you'll complete the research project described in the research proposal developed in MPH5231. You'll interrogate data using acceptable analytical processes, and write up the research project in a format and style suitable for publication in an academic setting.

[monash.edu.au/pubs/handbooks/units/MPH5232.html](http://monash.edu.au/pubs/handbooks/units/MPH5232.html)

## Clinical trials

MPH5236

 **LECTURER** Dr A Owen

 **POINTS** 6

### **MODE OF STUDY**

OCL online and two block days

 **SEMESTER** 2

 **CAMPUS** Alfred

### **Prerequisites**


MPH5040 and MPH5041

This unit equips you with the skills for the design, implementation and analysis of randomised controlled clinical trials. It will enable you to formulate research questions, select and recruit study subjects, compare groups, conduct randomisation, interpret findings, manage outcomes and consider issues of ethics, budget and quality assurance.

[monash.edu.au/pubs/handbooks/units/MPH5236.html](http://monash.edu.au/pubs/handbooks/units/MPH5236.html)

## Clinical measurement

MPH5237

 **LECTURER** Dr C Hodgson

 **POINTS** 6

 **MODE OF STUDY**

OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites


MPH5040 and MPH5041

Aimed at those with clinical experience, this unit presents an overview of clinical outcome measurement in research, with a focus on quantitative measurement. The areas covered include selecting, reducing and scaling items, questionnaire design, assessing reliability and validity, responsiveness of measures to clinically important change, quality of life measures, and statistical concepts in the testing and reporting of clinical measurement tools.

[monash.edu.au/pubs/handbooks/units/MPH5237.html](http://monash.edu.au/pubs/handbooks/units/MPH5237.html)

## Systematic reviews and meta-analysis

MPH5239

 **LECTURER** Dr R Johnston

 **POINTS** 6

 **MODE OF STUDY**

OCL online and two block days

 **SEMESTER** 2

 **CAMPUS** Alfred

### Prerequisites

MPH5040 and MPH5041

Critical appraisal of literature reviews; problem formulation and protocol development; intra-rater agreement for assessment of relevance; validity assessments; data collection forms; variation between study findings, combining the findings of independent studies; inferences based upon overviews; statistics of meta-analysis, Cochrane Collaboration.

[monash.edu.au/pubs/handbooks/units/MPH5239.html](http://monash.edu.au/pubs/handbooks/units/MPH5239.html)

## Introduction to occupational health and safety

MPH5241

 **LECTURER** Ms C Gilmour

 **POINTS** 6

 **MODE OF STUDY**

OCL online and three block days

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

TBC

NOTE: Mandatory attendance requirements

The effects and human cost of occupational disease and injury, occupational health and safety law, workers' compensation, negligence, occupational rehabilitation, historical achievements and challenges, international and national organisations.

[monash.edu.au/pubs/2017handbooks/units/MPH5241.html](http://monash.edu.au/pubs/2017handbooks/units/MPH5241.html)

## Psychosocial work environment

MPH5242

 **LECTURER** Dr T Keegel

 **POINTS** 6

 **MODE OF STUDY**

OCL online and three-day block

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

TBC

NOTE: Mandatory attendance requirements

Psychosocial effects of work on individuals is explained from a preventive viewpoint. Mental illness and its effect on employment, alcohol and drug use, disability discrimination, equal employment opportunity legislation, workplace health promotion and shift work are examined.

[monash.edu.au/pubs/handbooks/units/MPH5242.html](http://monash.edu.au/pubs/handbooks/units/MPH5242.html)

## Chemical and biological hazards

MPH5243

 **LECTURER**  
Associate Professor D Glass

 **POINTS** 6

 **MODE OF STUDY**

OCL online and four-day block

 **SEMESTER** 1

 **CAMPUS** Alfred

### Prerequisites

TBC


NOTE: Mandatory attendance requirements

Prevention of human disease resulting from workplace exposures to chemical and biological hazards. Covering toxicological principles, health effects of the major groups of chemical substances, as well as biological hazards from blood and bodily secretions, water, food, animals and travelling abroad.

[monash.edu.au/pubs/handbooks/units/MPH5243.html](http://monash.edu.au/pubs/handbooks/units/MPH5243.html)

## Ergonomic and physical hazards

MPH5244

 **LECTURER** Dr R Stuckey

 **POINTS** 6

 **MODE OF STUDY**

OCL online and three-day block

 **SEMESTER** 2

 **CAMPUS** Alfred

### Prerequisites

MPH5241

NOTE: Mandatory attendance requirements

Introduction to principles and practice of ergonomics. Occupational hygiene as applied to physical hazards: noise, radiation, thermal environments and pressure effects.


[monash.edu.au/pubs/handbooks/units/MPH5244.html](http://monash.edu.au/pubs/handbooks/units/MPH5244.html)

## Primary health care and global health

MPH5248

 **LECTURER** Mr G Chan

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 3

 **CAMPUS** Alfred

### Prerequisites

Basic computer proficiency

This subject will provide an overview of the history, principles and practice of primary health care in developing countries, as well as the interaction between primary healthcare and current trends in global health and international development.


[monash.edu.au/pubs/handbooks/units/MPH5248.html](http://monash.edu.au/pubs/handbooks/units/MPH5248.html)

## Field methods for global health planning and evaluation

MPH5249

 **LECTURER**  
Mr G Chan/Ms E Comrie-Thomson

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 3

 **CAMPUS** Alfred

### Prerequisites

Either MPH5040 and MPH5041 or MPH5020

This unit aims to develop your competence in the basic research tools used to plan and manage health programs at community, district and national level in low- and middle-income countries. You'll be exposed to needs assessments, planning and evaluation, health information collection, and operational research in a global health context. In addition, the unit is intended to give you a deeper appreciation of some of the practical considerations involved in conducting field research in low and middle-income countries.


[monash.edu.au/pubs/handbooks/units/MPH5249.html](http://monash.edu.au/pubs/handbooks/units/MPH5249.html)

## Women's and children's health: a global perspective

MPH5250

 **LECTURER** Ms Y Mohamed

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 3

 **CAMPUS** Alfred

### Prerequisites

Basic computer proficiency

This unit provides an overview of women's and children's health in resource-limited settings. Using a life-cycle approach, this unit explores the major causes and underlying determinants of poor reproductive, maternal, newborn, child and adolescent health, and examines global policy and key public health strategies to improve health outcomes.


[monash.edu.au/pubs/handbooks/units/MPH5250.html](http://monash.edu.au/pubs/handbooks/units/MPH5250.html)

## Infectious diseases and global health

MPH5251

 **LECTURER**  
Dr S Majumdar/Ms Tope Adepoiyibi

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 3

 **CAMPUS** Alfred

### Prerequisites

Basic computer proficiency

This unit aims to equip global health practitioners with a practical understanding of the impact of infectious diseases on global health equity. The unit will explore:

- key existing and emerging diseases of global health importance
- the historical context, determinants and epidemiology of key infectious diseases
- the existing and needed global policies, public health responses and effective health care delivery models in resource-limited settings for key infectious diseases.

The unit will be taught by instructors with field experience and will draw on case studies and practical examples from resource-limited settings.


[monash.edu.au/pubs/handbooks/units/MPH5251.html](http://monash.edu.au/pubs/handbooks/units/MPH5251.html)

## Public health in refugee settings

MPH5253

 **LECTURER**  
Professor M Toole/Dr B Coghlan

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 1

 **CAMPUS** Alfred

Public health consequences of complex humanitarian emergencies involving armed conflict, population displacement, food scarcity and an outline of the critical public health interventions in these settings.


[monash.edu.au/pubs/handbooks/units/MPH5253.html](http://monash.edu.au/pubs/handbooks/units/MPH5253.html)

## Nutrition in developing countries

MPH5254

 **LECTURER** Professor M Toole

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 3

 **CAMPUS** Alfred

### Prerequisites

Basic computer proficiency

Food security and nutritional issues in developing countries, emphasising causal factors, field programs addressing famine and under-nutrition.


[monash.edu.au/pubs/handbooks/units/MPH5254.html](http://monash.edu.au/pubs/handbooks/units/MPH5254.html)

## Health and human rights

MPH5255

 **LECTURER** Associate Professor B Loff

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and four block days

 **SEMESTER** 1

 **CAMPUS** Alfred

This unit examines the interrelationship between public health and human rights. It begins by providing an overview of the development, content and application of human rights. Human rights aspects of contemporary local and international health concerns are then considered.

[monash.edu.au/pubs/handbooks/units/MPH5255.html](http://monash.edu.au/pubs/handbooks/units/MPH5255.html)

## Injury epidemiology and prevention

MPH5256

 **LECTURER** Professor B Gabbe

 **POINTS** 6

 **MODE OF STUDY** On-campus  
five-intensive-day block

 **SEMESTER**  
T2-58 – next offered in 2018

 **CAMPUS** Alfred

This will cover the principles of injury epidemiology, prevention and control. The unit will provide an introduction to the injury epidemiology and prevention field with a particular focus on issues facing injury surveillance, countermeasure development, injury policy and injury burden estimates.

[monash.edu.au/pubs/handbooks/units/MPH5256.html](http://monash.edu.au/pubs/handbooks/units/MPH5256.html)

## Law for health systems

MPH5265

 **LECTURER** Ms N Mollard

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 2

 **CAMPUS** Alfred

Review of legal management principles related to health care by examining common law principles and statutes. Examination of the Australian legal system, including the Coroner's Court, with an emphasis on Victorian and Commonwealth cases and statutes. Focus on key areas of medical and health law such as negligence consent, privacy of health information, clinical research, abortion, euthanasia, mental health, infectious diseases, health complaints and law for health facilities such as hospitals.

[monash.edu.au/pubs/handbooks/units/MPH5265.html](http://monash.edu.au/pubs/handbooks/units/MPH5265.html)

## Clinical leadership and management

MPH5266

 **LECTURER** Dr S Ahern

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

Reviews key management, organisation theory and its application to health care 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.


[monash.edu.au/pubs/handbooks/units/MPH5266.html](http://monash.edu.au/pubs/handbooks/units/MPH5266.html)

## Principles of health care quality improvement

MPH5267

 **LECTURER**  
Associate Professor S Evans

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 2


 **CAMPUS** Alfred

In this unit you'll learn how historical, political and social factors impact on quality measurement in health care; the relationship of industrial and health care quality monitoring; epidemiological and statistical quality measurement principles; the strengths and limitations of current monitoring techniques; different sources of health care quality data; principles of clinical indicator programs; adverse event monitoring; satisfaction surveys and benchmarking; and the relationship between evidence-based medicine, clinical practice guidelines and quality improvement.


[monash.edu.au/pubs/handbooks/units/MPH5267.html](http://monash.edu.au/pubs/handbooks/units/MPH5267.html)

## Financial issues in health care management

MPH5268

 **LECTURER** Ms K Makarounas-Kirchmann/Mr R Cornick

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

An introduction to basic accounting principles for non-accountants. Financial issues confronting clinical managers, including the understanding and interpretation of common accounting reports, budgeting and financial analysis. An introduction to basic economic theory relevant to clinicians and clinical managers, including funding health care services and economics evaluations that guide health care policy and decision-making.


[monash.edu/pubs/handbooks/units/MPH5268.html](http://monash.edu/pubs/handbooks/units/MPH5268.html)

## Foundation of health policy

MPH5269

 **LECTURER** Ms M Drieberg

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 1

 **CAMPUS** Alfred

Delivery of health services is underpinned by a framework of health policies and other health system elements. Health professional leaders and managers, and those who aspire to these roles, need to know about these policies and about the process of policymaking so that they can understand why a policy is what it is, and how to engage in the policy making process.

[monash.edu.au/pubs/handbooks/units/MPH5269.html](http://monash.edu.au/pubs/handbooks/units/MPH5269.html)




## Advanced statistical methods for clinical research

MPH5270

 **LECTURER**  
Associate Professor A Earnest

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and three block days

 **SEMESTER** 2

 **CAMPUS** Alfred

### Prerequisites

Credit grades in MPH5040 and MPH5041; familiarity with Stata statistical software; MPH5200 is recommended.

Statistical methods for clinical trials data, including design considerations, sequential analysis, bioequivalence and analysis of repeated measures data. Methods for measuring agreement between raters or instruments, including kappa statistics and intraclass correlation coefficients. Analysis of survival time data with Kaplan-Meier graphs and Cox proportional hazards regression models. Combination of lectures and data analysis sessions on laptop computers using Stata statistical software.


[monash.edu.au/pubs/handbooks/units/MPH5270.html](http://monash.edu.au/pubs/handbooks/units/MPH5270.html)

## Reform and development of health services

MPH5272

 **LECTURER** Dr H Rowe

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two block days

 **SEMESTER** 2


 **CAMPUS** Alfred

This unit will examine reform and development in health services from an international, national and local perspective. The focus of the unit will explore the implementation of health policy reform and the multitude of issues, drivers, demands, complexities and consequent impacts related to reform.


[monash.edu.au/pubs/handbooks/units/MPH5272.html](http://monash.edu.au/pubs/handbooks/units/MPH5272.html)

## HSM case study

MPH5273

 **LECTURER**  
Dr S Ahern/Professor F Cicuttini

 **POINTS** 12

 **MODE OF STUDY** Off-campus

 **SEMESTER** 1 and 2


 **CAMPUS** Alfred

The unit is designed to consolidate the theoretical and practical skills acquired in the Master of Health Services Management or the Master of Public Health by exploring in detail a complex problem within the workplace or within a health care setting. Alternatively, subject to the approval of the course coordinator, you may seek a limited placement in a health service to explore a particular issue for your case-study. The case study is not intended to be original research. In some instances, it might be suitable for submission as the case study for the Royal Australasian College of Medical Administrators (RACMA) Fellowship.


[monash.edu.au/pubs/handbooks/units/MPH5273.html](http://monash.edu.au/pubs/handbooks/units/MPH5273.html)

## Safety management systems

MPH5276

 **LECTURER** Ms C Gilmour

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and three-day block

 **SEMESTER** 2

 **CAMPUS** Alfred

Concepts and practice of occupational health and safety management systems within work environments, including the conduct of an audit are examined. Includes accident/incident causation theories and models, investigative techniques, reporting and statistics, safety systems, fire prevention and control. Incident causation and accident types, including slips, trips and falls are also examined.


[monash.edu.au/pubs/handbooks/units/MPH5276.html](http://monash.edu.au/pubs/handbooks/units/MPH5276.html)

## Practical data management

MPH5277

 **LECTURER** Dr J Lockery

 **POINTS** 6

 **MODE OF STUDY**  
OCL online and two-day block

 **SEMESTER** 2

 **CAMPUS** Alfred

### Co-requisites

MPH5040

This unit is designed to develop the skills required to manage data in a dynamic, changing environment and produce data sets for analysis. You'll be guided through data management from project inception to data set completion. Practical skills will be developed through the completion of weekly data management tasks for a hypothetical study.


[monash.edu.au/pubs/handbooks/units/MPH5277.html](http://monash.edu.au/pubs/handbooks/units/MPH5277.html)

## Health communications and training

MPH5282

 **LECTURER** Ms L Davidson

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 4

 **CAMPUS** Alfred

### Prerequisites

Basic computer proficiency

Overview of communications and training skills needed for community health work in developing countries. Training strategies for community health work including adult learning principles, theory and application, design and program establishment options, facilitation skills and participatory methods. Communication strategies for health promotion. Communication skills for effective health management, report writing and cross-cultural communication. Practical approach to design, and implementation of training programs and health promotion strategies.

[monash.edu.au/pubs/handbooks/units/MPH5282.html](http://monash.edu.au/pubs/handbooks/units/MPH5282.html)

## Ethics, good research practice and practical research methods

MPH5283

 **LECTURER** Dr L Bishop

 **POINTS** 6

 **MODE OF STUDY**  
OCL and one block day

 **SEMESTER** 2

 **CAMPUS** Alfred

### Co-requisites

MPH5213

This unit will give you the practical knowledge required to plan and undertake a clinical research project with close attention to the highest standards of ethics and good research practice. You'll also gain detailed knowledge in planning, and organising your knowledge using methods of clinical research in a written and oral format.


[monash.edu.au/pubs/handbooks/units/MPH5283.html](http://monash.edu.au/pubs/handbooks/units/MPH5283.html)

## Alcohol and other drugs in society: a national and global perspective

MPH5287

 **LECTURER**  
Mr C Hughes/Dr R Jenkinson

 **POINTS** 6

 **MODE OF STUDY** On-campus block

 **SEMESTER** Term 2

 **CAMPUS** Alfred

This unit is designed as a contemporary analysis of drug use in modern societies and will enhance your knowledge about the risk and vulnerability of individuals and communities to licit and illicit drug use.


[monash.edu.au/pubs/handbooks/units/MPH5287.html](http://monash.edu.au/pubs/handbooks/units/MPH5287.html)

## Introduction and challenges in public health

MPH5288

 **LECTURER** Dr H Kelsall

 **POINTS** 6

 **MODE OF STUDY**  
OCL and two block days

 **SEMESTER** 2


 **CAMPUS** Alfred

This will examine foundation aspects of public health with a focus on contemporary challenges in public health. You'll apply this knowledge to critically appraise initiatives to address complex health issues from a public health perspective, and will be expected to engage with current public health issues and communicate their ideas clearly and effectively.


[monash.edu.au/pubs/handbooks/units/MPH5288.html](http://monash.edu.au/pubs/handbooks/units/MPH5288.html)


## Professional practice development

MPH5289

 **LECTURER**  
Professor F Cicuttini /  
Professor M Ackland

 **POINTS** 6

 **MODE OF STUDY**  
OCL and two block days

 **SEMESTER** 2 – not offered in 2017

 **CAMPUS** Alfred

This enables you to enhance and develop your skills in public health in the area of communication of information and project management. This unit builds on the knowledge developed through the MPH and will focus on development of skills needed to manage a career in public health. It will focus on communication to stakeholders and project management specific to public health. Both these areas have been identified by employers as important workplace skills. The unit will equip you with the knowledge, skills and attributes required to effectively manage projects and effectively communicate with stakeholders using different media. You'll also develop the capacity to develop a professional development plan to support lifelong learning.

# Monash online courses


The following units are available to the Monash course codes: 4528/M6007 or 4529/M6021 only, and not available to students enrolled in other courses.

## Health systems and policy

MPH5301

 **LECTURER** Dr S Ahern

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP4, 2018

 **CAMPUS** Alfred

The aim of this unit is to provide health service managers and public health practitioners with a comprehensive understanding of the major components of national health systems and how health policy is created to adapt and reform these systems.

[monash.edu.au/pubs/handbooks/units/MPH5301.html](http://monash.edu.au/pubs/handbooks/units/MPH5301.html)

## Biostatistics: concepts and applications

MPH5302

 **LECTURER** Dr B Billah

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP5, 2018

 **CAMPUS** Alfred

This unit introduces students to biostatistics as applied to public health and management studies. Biostatistics is the science of describing, summarising and analysing health-related data. It is essential to understand biostatistics in order to design, conduct and interpret health-related research. The basic principles and methods used in biostatistics are covered in this unit. This includes the technical qualifications necessary for analysing and interpreting data on a descriptive and bivariate level.

[monash.edu.au/pubs/handbooks/units/MPH5302.html](http://monash.edu.au/pubs/handbooks/units/MPH5302.html)

## Epidemiology of infectious diseases

MPH5303

 **LECTURER** Professor K Leder

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP6, 2018

 **CAMPUS** Alfred

This unit is an introduction to Infectious disease epidemiology. Topics include the dynamic nature of infections, the principles of infectious diseases, identification and management of outbreaks, and principles of surveillance. The importance of understanding host, environmental, pathogen and transmission factors will be highlighted. Practical examples will be given to highlight major concepts. Online activities, suggested readings and discussion forums aim to enhance your understanding of the teaching material.

[monash.edu.au/pubs/handbooks/units/MPH5303.html](http://monash.edu.au/pubs/handbooks/units/MPH5303.html)

## Leading and managing in public health and health care

MPH5304

 **LECTURER** Dr S Ahern

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP1, 2017

 **CAMPUS** Alfred

The aim of this unit is to provide health service managers and public health practitioners with the knowledge and skills to manage health care organisational units.

Over six weekly modules you'll explore key management theories, leadership skills, managing health professionals, designing and coordinating health professional work processes, managing change and projects.

Each module includes an overview of the relevant concepts and resources, guided readings and online, instructor-moderated discussions of applied issues with student peers.

[monash.edu.au/pubs/handbooks/units/MPH5304.html](http://monash.edu.au/pubs/handbooks/units/MPH5304.html)

## Epidemiology: concepts and applications

MPH5305

 **LECTURER** Dr M Hussain

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP2, 2017

 **CAMPUS** Alfred

This unit is an introduction to key concepts and applications in epidemiology.

Key concepts of epidemiology will be delivered throughout the unit, including rates, sources of data, descriptive and analytical epidemiology, epidemiological study designs, critical appraisal of literature, screening, prevention, exposure assessment, outbreak investigation, confounding and bias.

Students are expected to be competent at mathematics to a Year 7 level


[monash.edu.au/pubs/handbooks/units/MPH5305.html](http://monash.edu.au/pubs/handbooks/units/MPH5305.html)

## Evaluation in public health

MPH5306

 **LECTURER** Associate Professor D Ilic

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP4, 2017

 **CAMPUS** Alfred


This provides an introduction to quantitative and qualitative research methods used in public health, and the evaluation of disease prevention and health promotion strategies.

Levels of evaluation will be examined, with the range of qualitative and quantitative methods suitable for answering different evaluation questions explored. An emphasis will be placed on the evaluation challenges posed by the complexities of public health action and the contexts in which it is carried out, with case studies used to foster an understanding of these issues.

[monash.edu.au/pubs/handbooks/units/MPH5306.html](http://monash.edu.au/pubs/handbooks/units/MPH5306.html)

## Introduction to health law principles

MPH5307

 **LECTURER** Ms N Mollard

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP5, 2017

 **CAMPUS** Alfred

Review of legal principles related to health care, including common law principles and statutes. The focus is on key areas of medical and health law such as negligence, consent, privacy of health information, clinical research, abortion, euthanasia, mental health, infectious diseases, health complaints, ethics and human rights and law for health systems.

[monash.edu.au/pubs/handbooks/units/MPH5307.html](http://monash.edu.au/pubs/handbooks/units/MPH5307.html)

## Developing health systems

MPH5308

 **LECTURER** Dr H Rowe

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP1, 2018

 **CAMPUS** Alfred

This unit aims to develop skills to describe and analyse health systems and assess health sector reforms (or health system reforms) in both developed and developing countries, including Australia. The unit introduces you to alternative conceptual frameworks for describing and analysing health systems, and focuses in particular on one –the control knobs framework, which describes the key levers of a health system and how these levers work to influence outcomes of interest such as equity, cost, financial risk protection and quality of care. The control knobs framework is used to describe and analyse health system outcomes in developed and developing countries (including Australia);

diagnose existing policy reform challenges; shed light on ongoing health policy debates; and assess a recent case of reform in the health sector.


[monash.edu.au/pubs/handbooks/units/MPH5308.html](http://monash.edu.au/pubs/handbooks/units/MPH5308.html)

## Occupational health and safety

MPH5309

 **LECTURER** TBC

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP2, 2018

 **CAMPUS** Alfred

This covers the impacts and human cost of occupational disease and injury, occupational health and safety law, frameworks for primary prevention, workers' compensation systems, occupational rehabilitation, case studies highlighting historical achievements and challenges, international and national occupational health and safety (OHS) organisations.


[monash.edu.au/pubs/handbooks/units/MPH5309.html](http://monash.edu.au/pubs/handbooks/units/MPH5309.html)

## Introduction to environmental health

MPH5310

 **LECTURER** Dr E MacFarlane

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP3, 2017

 **CAMPUS** Alfred

This will cover the environmental influences on health. The unit will examine the impact of physical, chemical and biological hazards in the environment. It will integrate that knowledge with the principles of assessment, management and control of environmental health risks. Theoretical models of risk communication will be developed, with learners applying this knowledge in developing evidence-based interventions to control and prevent simple environmental risks.


[monash.edu.au/pubs/handbooks/units/MPH5310.html](http://monash.edu.au/pubs/handbooks/units/MPH5310.html)

## Safety and quality in health care

MPH5311

 **LECTURER** Professor R Iedema

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP4, 2017

 **CAMPUS** Alfred

This unit will explore the historical, political and social factors impacting on quality measurement in health care. It will examine the relationship of industrial and health care quality monitoring, through use of epidemiological and statistical quality measurement principles. Strengths and limitations of current monitoring techniques and different sources of health care quality data will be examined. During the unit, the principles of clinical indicator programs, adverse event monitoring, satisfaction surveys and benchmarking will be utilised, including the design, implementation and evaluation of quality improvement programs in clinical settings.


[monash.edu.au/pubs/handbooks/units/MPH5311.html](http://monash.edu.au/pubs/handbooks/units/MPH5311.html)

## Advances in managing patient care processes

MPH5312

 **LECTURER** Professor J Ibrahim

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP2, 2018

 **CAMPUS** Alfred

This unit provides you with the skills and knowledge to apply tools, techniques, programs or strategies to improve the quality of care and patient safety. Those completing this unit will be exposed to current best-practice techniques aimed at developing and implementing system improvements to reduce the occurrence of adverse patient outcomes and continually improve the safety and quality of patient care. This unit will cover key approaches used in measuring, monitoring and managing health care for improving quality of care and patient safety. Within the unit you'll have the opportunity to develop novel interventions, while evaluating existing interventions aimed at maintaining and improving patient quality and safety.

[monash.edu.au/pubs/handbooks/units/MPH5312.html](http://monash.edu.au/pubs/handbooks/units/MPH5312.html)

## Challenges in public health

MPH5313

 **LECTURER** Dr H Kelsall

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** T6, 2017

 **CAMPUS** Alfred

This unit will examine foundation aspects of public health with a focus on contemporary challenges. You'll apply this knowledge to critically appraise initiatives to address complex health issues from a public health perspective, and will be expected to engage with current public health issues and communicate your ideas clearly and effectively.

[monash.edu.au/pubs/handbooks/units/MPH5313.html](http://monash.edu.au/pubs/handbooks/units/MPH5313.html)

## Epidemiology of chronic disease

MPH5314

 **LECTURER** Dr R Hall

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP3, 2018

 **CAMPUS** Alfred

This provides an introduction to epidemiology and control of chronic diseases. Included in this unit is an overview of important chronic diseases currently impacting Australia, and strategies for their prevention and control. Measurement of disease and burden of disease, concept of risk factors and risk factors for important chronic diseases will be examined. Additionally, you'll examine the effect of social and economic factors on the epidemiology of chronic diseases, and the impact of chronic diseases on society and the economy. The impact of screening and health promotion as public health tools will be discussed, along with use of evidence in public health programs to prevent chronic diseases.

[monash.edu/pubs/2017handbooks/units/MPH5314.html](http://monash.edu/pubs/2017handbooks/units/MPH5314.html)

## Introduction to management

MGF5963

 **LECTURER** Dr G Caillard

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP3, 2018

 **CAMPUS** Alfred

The overall aim of this unit is to introduce pre-experience students to the range of activities associated with the management of individuals, groups and the organisation. In order to achieve this aim the content will cover several key areas of management. For example, the current challenges facing managers in a turbulent environment, the role of the individual, the importance of teamwork, managing conflict and effective decision-making. Finally, the role of corporate culture and ethics. Those undertaking this unit should expect to experience a variety of activities in order to challenge the content as prescribed above. These activities will include interactive case studies and application of the theory to real-world examples through group presentations.

[monash.edu.au/pubs/handbooks/units/MGF5963.html](http://monash.edu.au/pubs/handbooks/units/MGF5963.html)

## Marketing for healthcare managers

MKF5505

 **LECTURER** TBC

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP6, 2018

 **CAMPUS** Alfred

This unit will examine marketing activities undertaken by organisations with a special emphasis on the health care industry. It provides an introduction of marketing concepts and techniques covering aspects such as value exchange, development of corporate and marketing strategic plans, product and service development, the use of marketing decision-making tools, and fundamentals of consumer behaviour.

[monash.edu.au/pubs/handbooks/units/MKF5505.html](http://monash.edu.au/pubs/handbooks/units/MKF5505.html)

## Health economics

ECC5979

 **LECTURER** TBC

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP3, 2017

 **CAMPUS** Alfred

This unit provides an understanding of the microeconomic approach to resource allocation, both in general and specifically, in relation to the health sector. It introduces you to the use of economic tools in the analysis of the 'market' for health care, in terms of efficiency and equity. It also provides an analytical framework for assessment of the Australian health care system, and health policy generally, from an economic perspective.

[monash.edu.au/pubs/handbooks/units/ECC5979.html](http://monash.edu.au/pubs/handbooks/units/ECC5979.html)

## Accounting for healthcare managers

ACF5268

 **LECTURER** TBC

 **POINTS** 6

 **MODE OF STUDY** Online

 **SEMESTER** TP6, 2017

 **CAMPUS** Alfred

This unit introduces basic accounting principles for non-accountants. The information requirements of two main groups are examined – external users such as owners or investors, and internal users such as managers. The structure, meaning, analysis and interpretation of financial statements are explored, together with key measures of assessing financial performance. Financial issues confronting health care managers, such as budgeting, cost management and performance measurement are also introduced.

[monash.edu.au/pubs/handbooks/units/ACF5268.html](http://monash.edu.au/pubs/handbooks/units/ACF5268.html)

# 2017 Timetable

As this can change from time to time you must check the updated timetable information available on our postgraduate webpage: [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## January – June

Unit	Title	Coordinator	Mode	Date/Time	Venue	Teaching Cal
MPH5002	Foundations of health promotion and program planning	Ben Smith	OCL + 2 day block	10 March + 28 Apr	AMREP CR 1	S1-01
MPH5020	Introduction to epidemiology and biostatistics	Flavia Cicuttini / Miranda Davies	OCL + 1 block day	3 March	MonAlf Lec. Theatre	
MPH5040 / 6040-DAY	Introductory epidemiology (lecture)	Dianna Magliano	Weekly – DAY	Thurs 9–10am		
MPH5040 / 6040-TUTE	Introductory epidemiology (tutorial)		Weekly – TUTE	Thurs 10–11am	MonAlf Tute Rms 1-6	
MPH5041 / 6041-DAY	Introductory biostatistics (lecture)	Baki Billah	Weekly – DAY	Thurs 11.30am–1.30pm	MonAlf Lec. Theatre	
MPH5041 / 6041-TUTE	Introductory biostatistics (tutorial)		Weekly – TUTE	Thurs 2–4pm	MonAlf Tute Rms 5-6 & MonAlf Lec Theatre	
MPH5040 / 6040-DE	Introductory epidemiology (DE – Block days)	Monira Hussain	OCL + 2 block days – DE	6 March + 5 Apr	6 March MonAlf Lec. Theatre 5 April AMREP Lec Theatre	
MPH5041 / 6041-DE	Introductory biostatistics (DE – Block days)	Baki Billah	OCL + 3 block days – DE	28 Feb + 3–4 Apr	MonAlf Lec. Theatre	
MPH5200 / MPH6200	Regression methods for epidemiology	Rory Wolfe	OCL + 2 x 2 day block	16–17 Mar 11–12 May	16 Mar MonAlf SR 1 + SR 2 17 Mar MonAlf SR 1 11-12 May MonAlf SR 1	
MPH5202	Clinical epidemiology	Danny Liew	OCL + 2 day block	3 Mar + 26 May	3 March MonAlf SR 1 26 May MonAlf SR 1	
MPH5207	Chronic diseases: epidemiology and prevention	Robert Hall		7–8 March	7 March AMREP Lec Theatre 8 March AMREP SR	
MPH5237	Clinical measurement	Carol Hodgson / Alistair Nichol		14–15 March	AMREP CR 1	
MPH5241	Introduction to occupational health and safety	Colleen Gilmour	OCL + 3 day block	3–5 May	AMREP CR 2	
MPH5242	Psychosocial work environment	Tessa Keegel		10–12 May		
MPH5243	Chemical and biological hazards	Deborah Glass	OCL + 4 day block	20–23 March	AMREP CR 1	
MPH5253	Public health in refugee settings	Mike Toole / Ben Coghlan	7 day block	7 Feb–15 Feb	Burnet	T1-57
MPH5255	Health and human rights	Bebe Loff	OCL + 4 block days	27–29 & 31 March	27, 28, & 31 MonAlf SR 2 29 MonAlf SR1	S1-01
MPH5266	Clinical leadership and management	Susannah Ahern	OCL + 2 block days	27 Feb + 10 Apr	AMREP Lec. Th	
MPH5268	Financial issues in health care management	Kelly Makarounas-Kirchmann / R Cornick		28 Feb + 11 Apr		
MPH5269	Foundations of health policy	Micaela Drieberg		1 March + 12 Apr		
MPH5273	Case study**	Susannah Ahern / Flavia Cicuttini	OCL	NA	NA	
MPH5285	Human factors for patient safety	TBC	OCL + 2 block days	Not offered 2017	NA	NA
MPH5287	Alcohol and other drugs in society: a national and global perspective	Chad Hughes / Rebecca Jenkinson	6 day block	26 April–3 May	Burnet	T2-57

Note: Quotas exist for some units so timely enrolment is encouraged. Some block teaching periods fall outside the standard semester dates.

Other Units	Title	Coordinator	Mode	Date/Time	Venue	Teaching Cal
ECC5970	Introduction to health economics	Anurag Sharma	OCL	NA	NA	S1-01
ECC5975	Principles of health economics for developing countries	Duncan Mortimer	One-week block	8–12 May	Burnet	
EPM5001	Health indicators and health surveys	Armando Teixeira-Pinto	OCL	For biostatistics course students only		
EPM5002	Mathematical background for biostatistics	Trent Mattner				
EPM5003	Principles of statistical inference	Rachel O'Connell				
EPM5004	Linear models	Stephane Heritier				
EPM5005	Data management and statistical computing	Jennie Louise				
EPM5006	Clinical biostatistics	A Dobson				
EPM5008	Longitudinal and correlated data analysis	Andrew Forbes				
EPM5010	Survival analysis	Ken Beath				
EPM5011	Biostatistical practical project (double unit)**	Andrew Forbes				
EPM5014	Probability and distribution theory	Rory Wolfe				
EPM5015	Biostatistical practical project (single unit)	Andrew Forbes				
GHS5850	Nursing leadership and management	Ingrid Brooks	Flexible		See MUTTS timetable online	
MAP4200	Improving Indigenous equity in professional practice	Karen Adams	OCL	NA	NA	

### KEY

**OCL** Off-campus learning mode of study (distance education)    \*\* full year unit    \* Subject to approval

† Attached OR Contact Burnet Institute (9282 2163) two months prior for dates or check [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

### LOCATION VENUE KEY

**AMREP** Education Centre, Ground Floor, Alfred Hospital    **Lec Th** Lecture Theatre    **MR** Meeting Rooms 1-6    **Burnet** Burnet Institute, Training Rooms, Level 2, 85 Commercial Rd, Melbourne  
**MonAlf** Lecture Theatre, Seminar Room, Tutorial Rooms, PC Lab are located on Level 5, Alfred Centre, 99 Commercial Rd (near cnr Punt Rd), Melbourne    **SR** Seminar Room    **C** Classroom 1-3

Note: Some block teaching periods fall outside the standard semester dates.    Note: Quotas exist for international health units so timely enrolment is encouraged.

## July – December

Unit	Title	Coordinator	Mode	Date/Time	Venue	Teaching Cal	
MPH5020	Introduction to epidemiology and biostatistics	Flavia Cicuttini / Miranda Davies	OCL + 1 block day	28 July	MonAlf Lec Th	S2-01	
MPH5022	Evaluating public health programs	Ben Smith	OCL + 2 block days	4 Aug + 8 Sept	AMREP CR 1		
MPH5040/ MPH6040-DE	Introductory epidemiology (DE)	Monira Hussain	OCL	NA			
MPH5041/ MPH6041-DE	Introductory biostatistics (DE)	Baki Billah					
MPH5042	Climate change and public health	Valerie Kay	OCL + 2 block days	2 Aug + 4 Oct	AMREP CR 2		
MPH5203	Environmental influences on health	Ewan MacFarlane	OCL + 3 block days	4–6 Sept	AMREP CR 1		
MPH5213	Research methods	Anita Wluka	Option 1: Weekly – DAY	Thurs 9–11am	MonAlf Lec Th + Tute Rms 5-8		
MPH5213	Research methods	Anita Wluka	Option 2: OCL + 2 day block – DE	1–2 Aug	1 Aug MonAlf Lec Th + Tute Rms 5-8 2 Aug AMREP Lec Th		
MPH5218	Infectious diseases: epidemiology and prevention	Karin Leder / Robert Hall	OCL + 3 block days	26 July, 30 Aug + 18 Oct	AMREP CR 1		
MPH5222	Assessment and control of workplace hazards	Geza Benke	OCL + 3 day block	11–13 Sept	11-13 AMREP CR 1, 12 On-site		
MPH5236	Clinical trials	Alice Owen	OCL + 2 day block	21–22 August	AMREP CR 1		
MPH5239/ MPH6239	Systematic reviews and meta analysis	Renea Johnston	OCL + 2 block days	31 July + 9 Oct	AMREP CR 1 + MonAlf PC Lab		
MPH5244	Ergonomic and physical hazards	Ruth Stuckey	OCL + 3 day block	23–25 August	23 and 25 AMREP CR 1 24 AMREP CR 3		
MPH5248	Primary health care and global health	Geoffrey Chan	5 day block	14–18 Aug	Burnet		T3-57
MPH5249	Field methods for global health planning and evaluation	Geoff Chan / Liz Comrie-Thomson		4–8 September			
MPH5250	Women's and children's health: a global perspective	Yasmin Mohamed		6 day block		5–12 July	
MPH5251	Infectious diseases and global health	Suman Majumdar / Tope Adepoiyibi		5 day block excl. weekend		14–20 September	
MPH5254	Nutrition in developing countries	Mike Toole		6 day block excl. weekend		23–30 Aug	
MPH5256	Injury epidemiology and prevention	Belinda Gabbe	5 day block	Not being offered in 2017		T2-58	
MPH5265	Law for health systems	Nicki Mollard	OCL + 2 block days	24 July + 6 Oct	24 July AMREP SR 6 Oct AMREP Lec Th	S2-01	
MPH5267	Principles of Health care quality improvement	Sue Evans		25 July + 12 Sept	MonAlf Lec Th		
MPH5270/ MPH6270	Advanced statistical methods for clinical research	Arul Earnest	OCL + 3 block days	16 Aug + 10-11 Oct	AMREP CR 1		
MPH5272	Reform and development of health services	Heather Rowe	OCL + 2 block days	26 July + 20 Sept	AMREP SR		
MPH5276	Safety management systems	Colleen Gilmour	OCL + 3 day block	2–4 October	2 Oct MonAlf SR 2 4 Oct McMichael Rm		
MPH5277	Practical data management	Jessica Lockery	OCL + 2 day block	1 Sept & 6 October	MonAlf SR 1		
MPH5282	Health communication and training	Lisa Davidson	6 day block	11–18 October	Burnet		T4-57
MPH5283	Ethics, good research practice and practical research skills	Liz Bishop	OCL + 1 day block	8 Aug	AMREP CR 2	S2-01	
MPH5286	Applying and practicing the principles of PS and QI	Joseph Ibrahim	OCL + 2 block days	Not being offered in 2017			
MPH5288	Introduction and challenges in public health	Helen Kelsall	OCL + block days	21–22 August			
MPH5289	Professional practice development (not being offered in 2017)	Flavia Cicuttini / Mike Ackland	OCL + 2 block days	31 Aug & 1 Sept	31 Aug AMREP Lec Th 1 Sept MonAlf Lec Th		
Other Units	Title	Coordinator	Mode	Date/Time	Venue	Teaching Cal	
ECC5971	Pharmaceutical economics	Duncan Mortimer	OCL	NA	For Biostatistics course students only	S2-01	
ECC5973	Economics evaluation in health care						
ECC5974	Applied health economics and health policy						
EPM5002	Mathematical background for biostatistics	Gary Glonek					
EPM5003	Principles of statistical inference	Rachel O'Connell / Patrick Kelly					
EPM5004	Linear models	Stephane Heritier					
EPM5005	Data management and statistical computing	Patrick McElduff / Helena Romaniuk					
EPM5007	Design of experiments and clinical trials	Lisa Yellandr					
EPM5009	Categorical data and generalised linear models	A Dobson					
EPM5011	Biostatistical practical project (double unit)**	Andrew Forbes					
EPM5012	Bioinformatics	Nicola Armstrong / Natalie Thorne					
EPM5013	Bayesian statistical methods	L Gurrin		Not offered in 2017			
EPM5014	Probability and distribution theory	Rory Wolfe					
EPM5015	Biostatistical practical project (single unit)	Andrew Forbes					
EPM5023	Foundations of international health*	Bebe Loff		OCL + 4 block days			7, 8, 9 and 11 Aug

# Application information

## Semester dates 2017

### Semester 1

27 Feb – 26 May

Vacation: 14 – 21 April

### Semester 2

24 July – 20 October

Vacation: 25 – 29 September

NOTE: Teaching period and census dates – [monash.edu.au/enrolments/dates/census.html](http://monash.edu.au/enrolments/dates/census.html)

## Entry requirements

General entry requirements may vary for some courses. See individual course descriptions for further information.

For additional international entry requirements, refer to the International Graduate Course Guide or [monash.edu/study/international/postgraduate](http://monash.edu/study/international/postgraduate)

All Monash applicants must satisfy university English language requirements for entry into Monash undergraduate and graduate courses.

English language requirements: [monash.edu/admissions/english-language-requirements.html](http://monash.edu/admissions/english-language-requirements.html)

## Application procedures

### Domestic applicants

#### 2018 Domestic applications closing dates:

20 November 2017 – first round

20 January 2018 – second round

20 June 2018 – mid-year entry

All our graduate courses are available to domestic applicants.

Domestic applicants apply online via [monash.edu.au/admissions/apply/online.html](http://monash.edu.au/admissions/apply/online.html)

NOTE: When online applications close in mid-January you can print off a direct application form, available on our webpage: [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad) and submit via email to [pgradenq@monash.edu](mailto:pgradenq@monash.edu)

### Application CHECKLIST

- Evidence of Australian citizenship or Australian permanent residency
- Certified copies of official academic transcripts
- Evidence of English language proficiency (if not established by tertiary transcripts)
- A curriculum vitae
- A statement of purpose i.e. reasons for undertaking the course
- An application for credit (if relevant)

### For course enquiries please contact:

#### Graduate Office

School of Public Health  
and Preventive Medicine  
Monash University

T 9903 0563

E [pgradenq@monash.edu](mailto:pgradenq@monash.edu)

### International applicants

Our graduate full-time courses are available to international students. For full application details refer to the international website: [monash.edu/study/international/postgraduate](http://monash.edu/study/international/postgraduate)

For international application enquiries please contact:

#### International Recruitment Services

Monash Connect, Campus Centre  
21 Chancellors Walk  
Monash University, Clayton

T +61 3 9903 4788

E [scenquiries@monash.edu](mailto:scenquiries@monash.edu)

### Credit/advanced standing

Advanced standing and credit transfer may be granted for units where the student supplies documentary evidence of successfully completing a similar unit at a similar level elsewhere, within the past 10 years.

Application for credit/advanced standing forms are available from: [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

Completed forms must be accompanied with full documentation, including unit/course outlines and content descriptions, academic transcripts etc. Applications can be uploaded at the same time as submitting a course application online.

For further information on obtaining credit please refer to: [med.monash.edu.au/policies/credit.html](http://med.monash.edu.au/policies/credit.html)



## Course fees

Our graduate course fees are reviewed annually and are subject to approval by the University. All our courses are fee-paying.

### Fee-paying courses

All our graduate coursework programs are offered as full-fee paying courses. Students in full-fee paying courses pay the full tuition cost of the course and must make the payment upfront each semester. Details of course fees for Australian citizens and permanent residents are indicated below. Fees quoted are subject to change and are indicative only.

### Higher Education Loan Programs (HELP)

The FEE-HELP scheme provides an interest-free, income-contingent loan facility for students. Australian citizens and holders of a permanent humanitarian visa are eligible for the FEE-HELP scheme. Eligible students wishing to fund part or all of their tuition fees through FEE-HELP must complete the loan request form by the relevant census date and provide a tax file number. A student can elect to pay a portion of fees directly to the University and the remaining debt will be registered as a loan through the Australian Taxation Office (ATO). You'll commence repaying any HELP loan through the ATO once your income reaches the minimum threshold for compulsory repayment. A loan for up to the full tuition fee charged for the course can be accessed, but there is a lifetime limit, see the following for details: [monash.edu.au/enrolments/loans/domestic-full-fee.html](http://monash.edu.au/enrolments/loans/domestic-full-fee.html)

For more information, contact Monash Connect: [monash.edu.au/connect](http://monash.edu.au/connect)

### Monash Fees Unit

For all your fee queries please contact Monash Connect on:

T 1800 MONASH (1800 666 274)  
from overseas +61 3 9902 6011  
E [fees.unit@monash.edu](mailto:fees.unit@monash.edu)

[monash.edu.au/fees](http://monash.edu.au/fees)

Note: fee statements are only available online via My Monash Portal / WES and will NOT be posted to students. Please check your Monash email account.

### Course fees for 2017

#### Domestic students

Fee-paying courses approximately \$24,900 per full-time year (eight units)

For details see: [monash.edu/fees/domestic-full-fee.html](http://monash.edu/fees/domestic-full-fee.html)

FEE-HELP available: [monash.edu/enrolments/loans/domestic-full-fee.html](http://monash.edu/enrolments/loans/domestic-full-fee.html)

Single unit and cross-institutional enrolment approximately \$3200.

#### International students

Fee-paying courses approximately A\$33,900 per full-time year (eight units)

For future years of your course, Monash University reserves the right to adjust annual tuition fees.

### Further information

#### Graduate Office

School of Public Health and Preventive Medicine  
Monash University

T 9903 0563  
E [pgradenq@monash.edu](mailto:pgradenq@monash.edu)

[med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

## Teaching locations 2017

### Department of Epidemiology and Preventive Medicine

#### School of Public Health and Preventive Medicine

99 Commercial Road  
(Corner Punt and Commercial roads)  
Level 6, The Alfred Centre  
Melbourne

#### Graduate Office

T 9903 0563  
E [pgradenq@monash.edu](mailto:pgradenq@monash.edu)

Easily accessible by public transport and has limited on-street parking.

Map: [med.monash.edu.au/epidemiology/about/contacts.html](http://med.monash.edu.au/epidemiology/about/contacts.html)

Melway map reference: 2L B9 / 58 B5

### Alfred Medical Research Education Precinct (AMREP)

Ground floor (next to Ian Potter Library)  
Alfred Hospital, Commercial Road  
Melbourne

Map: [www.baysidehealth.org.au/Assets/Files/AlfredSiteMap.pdf](http://www.baysidehealth.org.au/Assets/Files/AlfredSiteMap.pdf)

Melway map reference: 58 B5

### Burnet Institute

Centre for International Health  
Alfred Hospital  
85–89 Commercial Road, Melbourne

#### Student Liaison Office

T 9282 2167

Easily accessible by public transport and has limited on-street parking.

Map: [www.baysidehealth.org.au/Assets/Files/AlfredSiteMap.pdf](http://www.baysidehealth.org.au/Assets/Files/AlfredSiteMap.pdf)

Melway map reference: 2L D12





**Monash University****Department of Epidemiology and Preventive Medicine**

School of Public Health and Preventive Medicine  
Level 6, The Alfred Centre  
99 Commercial Road  
Melbourne  
VIC 3004

**Monash University****Department of Epidemiology and Preventive Medicine**

School of Public Health and Preventive Medicine  
Alfred Hospital  
Commercial Road  
Melbourne  
VIC 3004

**Course enquiries**

Email: [pgradenq@monash.edu](mailto:pgradenq@monash.edu)

Website: [med.monash.edu.au/epidemiology/pgrad](http://med.monash.edu.au/epidemiology/pgrad)

Telephone: +61 3 9903 0563