



WELLINGTON

# The 14th Public Health SUMMERSCHOOL

8 – 26 February 2010

Plus Public Health Law 5 – 28 January 2010

Develop your public health knowledge and skills  
at the largest and longest running public health  
Summer School in the Southern Hemisphere.

The Department of Public Health is part of the University of Otago, Wellington. It contributes to the good health of New Zealanders through independent, critical and innovative research, teaching and community service. The Department's staff and collaborators have expertise in a wide range of academic disciplines and have strong links with global, national and regional health agencies.

#### WHO SHOULD ATTEND:

The Summer School provides an introduction to essential principles of public health and opportunities to further develop existing skills.

Courses are aimed at anyone who requires an understanding of public health concepts in their work. They are ideally suited to those working in public health services, primary care organisations, district health boards, government departments, non-governmental organisations and local authorities. The Summer School programme also provides a good introduction to public health for people considering postgraduate studies in this field. The modular design enables enrolment in a range of different courses tailored to specific interests and learning needs.

Summer School courses may contribute to continuing professional development requirements for health professionals. A letter of attendance will be provided on request.

Courses and workshops will be held at the newly upgraded University of Otago, Wellington campus, at 23 Mein Street, Newtown (beside Wellington Hospital).

#### FURTHER INFORMATION AND ENROLMENT:

Turn over for course listing.

Web: [www.uow.otago.ac.nz/summerschool.html](http://www.uow.otago.ac.nz/summerschool.html)

Email: [kerry.hurley@otago.ac.nz](mailto:kerry.hurley@otago.ac.nz)

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## Course details (see website for full descriptions and enrolment details)

### INTRODUCTORY COURSES

#### **Introduction to the NZ health system 8 Feb**

Provides an understanding of the structure of New Zealand's health system and the functions of its main components.

#### **Introduction to basic biostatistics for health research 8 Feb**

Introduces commonly used biostatistical techniques in a practical and interactive manner.

#### **Introduction to health economics 9 Feb**

Provides an introduction to the ideas and techniques of health economics and the issues that health economists deal with.

#### **Introduction to epidemiology 10 Feb**

Introduces the principles and methods used in epidemiology.

#### **Introduction to SAS 11 Feb**

Provides an overall introduction to the statistical software SAS.

#### **Introduction to regression models for health research 12 Feb**

Provides an understanding of the principles, methods, and interpretation of logistic regression, as applied to public health research.

### PUBLIC HEALTH LAW 6PM - 9PM

#### **Foundations of Public Health Law 5 Jan and 7 Jan**

This interactive course introduces participants to the conceptual foundations of Public Health Law.

#### **Communicable Disease & the Law 12 Jan and 14 Jan**

This interactive course covers a range of topical issues relating to Communicable Disease and the Law.

#### **Non-Communicable Disease & the Law 19 Jan and 21 Jan**

This interactive course shows how Public Health Law is playing a role in society's efforts to reduce non-communicable disease.

#### **Health, Environment & the Law 26 Jan and 28 Jan**

This interactive course covers a range of topical issues relating to Health, Environment, and the Law.

### HEALTH IMPACT ASSESSMENT (HIA) COURSES

#### **Introduction to health impact assessment 15, 16 Feb**

Introduces HIA which aids decision-making by predicting the potential effects of policies, programmes and projects on health, wellbeing and health inequalities.

#### **Advanced HIA: Strengthening skills in appraisal & reporting 25 Feb**

Focuses on the appraisal and reporting stage of Health Impact Assessment (HIA) and Whānau Ora HIA.

### APPLIED EPIDEMIOLOGY TRAINING

#### (LINKED 1 DAY COURSES)

#### **Environmental epidemiology 22 Feb**

Introduces key concepts of environmental epidemiology, focussing on practical approaches to common environmental health problems with New Zealand and International examples.

#### **Public health surveillance 23 Feb**

Presents the theory and practice of public health surveillance with practical exercises in data analysis and interpretation using EpiInfo.

#### **Outbreak investigation 24 Feb**

Presents the main concepts and methods for investigating communicable disease outbreaks with real-world examples using case-control and cohort study methods and practical data analysis exercises using EpiInfo.

#### **Practical spatial epidemiology 25 Feb**

Presents spatial epidemiological concepts and methods showing how they can be applied to managing environmental health exposures, disease clusters and outbreaks, including hands-on use of spatial software.

#### **Introduction to infectious disease modelling 26 Feb**

Presents key concepts of Infectious disease transmission and modelling including a practical hands-on introduction to the Influenza simulation package InFluSim.

### MAORI HEALTH, ETHNICITY AND CULTURAL COMPETENCIES

#### **Introduction to Māori health 22 Feb**

Provides an introduction to health issues for Māori to help participants understand what the health gaps are.

#### **Cultural competencies in public health 23 Feb**

Provides participants with tools to promote cultural competence development, for themselves and their organisations, to achieve more equitable public health practice.

#### **Critical approaches to ethnicity and health 24 Feb**

Provides an overview of the concept of ethnicity and its importance for understanding health and public health in Aotearoa today.

### URBAN HEALTH AND SUSTAINABILITY

#### **Health in context: Place, food and physical activity 11 Feb**

Introduces present research projects in these related areas and draws on a mix of methodologies and frameworks.

#### **Growth misconduct? (urban intensification) 16 Feb**

Speakers and interactive sessions will explore the environmental and social challenges of urban intensification.

#### **Housing quality assessment for health and sustainability 17 Feb**

Provides an understanding of the core concepts of housing quality (health, safety, and sustainability) and practical methods for measuring these attributes.

### QUALITATIVE AND MIXED METHODS

#### **Introduction to qualitative methods 15 Feb**

Introduces the goals of qualitative research and different methodologies, illustrated with examples provided from current and recent research projects.

#### **Mixed methods research - In conjunction with (HSRC) Health Services Research Centre at VUW 16 Feb**

Addresses the question of why a mixed methods approach might be considered and under what circumstances.

#### **NVivo part one: working with data 17 Feb**

Provides an overview of the software and introduces participants to the basics of setting up an NVivo 8 project.

#### **NVivo part two: extending analyses 18 Feb**

Provides practical experience in using the additional NVivo 8 tools available and discusses the various means of extending and simplifying NVivo qualitative analyses.

### USE OF EVIDENCE FOR HEALTH

#### **Locating and appraising evidence for health – In conjunction with Auckland University 10 Feb**

Introduces the principles and methods used in locating, appraising and synthesizing scientific evidence relating to health, which provides an essential input for policy and research.

#### **ACE-Prevention (assessing cost-effectiveness prevention) 19 Feb**

Covers the theory and application around assessing cost-effectiveness in health sector interventions, with particular focus on considering the underlying disease burden involved.

### OTHER TOPICS IN PUBLIC HEALTH (1 DAY COURSE)

#### **Introduction to applied mental health promotion 17 Feb**

Provides participants with the opportunity to apply mental health promotion theory to a community based initiative.

#### **Consumer education and public health 18 Feb**

Reviews how education has been used to promote public health goals.

#### **Health emergency management 19 Feb**

Covers the theory and practice of health emergency management, including the Critical Incidence Management System (CIMS) that has become the main framework used for coordinating emergency responses in New Zealand.