2024 **PUBLIC HEALTH SUMMER SCHOOL**

UNIVERSITY *of* OTAGO
Te Whare Wānanga o Otāgo
NEW ZEALAND

WELLINGTON

A healthier community. A better tomorrow.

Offering 18 short courses to build your knowledge and skills.

12–23 February 2024
Wellington, New Zealand
otago.ac.nz/uowsummerschool

Course details   (see website for full descriptions and registration details) ☀ Denotes new course

Research, epidemiology and statistical methods

Introductory biostatistics for health researchers (12/13 February) ☀

This course introduces basic biostatistical concepts applicable throughout the research process, from research concept to publication, in a non-mathematical and intuitive way. Participants will learn appropriate applications and interpretation of concepts through practical examples.

Literature review and basic meta-analysis skills (12 February)

This online course covers key steps and essential skills for conducting a simple literature review, a systematic review and meta-analysis including the useful software Endnote and RevMan.

Stata for health researchers (14 February) ☀

Stata is an ideal software programme for quantitative research. Using a health dataset, this hands-on, in-person course introduces the software and teaches how to perform various statistical analyses that are common in health literature.

How to write a paper (15 February)

This interactive course will guide its participants through the publication process – from planning a paper, writing it effectively and, finally, dealing with the occasionally brutal peer review process.

Introduction to R (16 February)

Learn how to apply simple biostatistical methods in open-source programming language R (and RStudio) using data from studies in health sciences.

GIS techniques in health research and policy (19/20 February)

Learn how to apply GIS techniques and analyse spatial data to understand population health, the distribution of disease, environmental exposures and accessibility to healthcare. One- or two-day options are available at the beginner and intermediate/advanced levels.

Intermediate biostatistics: Regression methods (21/22 February, online)

This online course introduces core regression modelling approaches, from basic principles to the practicalities of running analyses using statistical software and interpreting results.

VHIN Introduction to research in the IDI (23 February)

Introduces the Integrated Data Infrastructure (IDI) and provides a toolkit and practical steps to maximise value from research using the IDI. Opportunity to ask questions of expert users.

Introduction to missing data (23 February, online) ☀

This non-software-specific introductory course covers how we can think about missing data and its implications, minimise its occurrence in practice and address it using selected statistical methods when it (almost inevitably) does occur.

Qualitative methods

Introduction to qualitative methods (13 February)

This hands-on course uses a mix of public health research examples and practical exercises to explore qualitative research design, collecting data from interviews, documents and observations, and data analysis.

Healthcare systems and evidence

Introduction to simulation modelling (16 February)

This course will equip you with an introductory understanding of modelling the health and cost impacts of preventive interventions. It will cover key terminology, different modelling approaches and the process of modelling a public health intervention.

Introduction to the New Zealand health system (22 February, online)

Learn about the structure of New Zealand's health system, including how policy is made and how our history, structure and political climate impact on decision making in today's health system.

Māori and Pacific health and cultural competencies

Introduction to Pacific health: Approaches for action (21 February)

Learn about key concepts, issues and effective actions in Pacific health from evidence and community-based perspectives. Includes cultural and demographic trends, key priorities and ways of overcoming current challenges.

Hauora Māori: Effective models of engagement and assessment (23 February) ☀

Introduces best practice Māori health models of engagement and assessment to support health professionals to work effectively with Māori.

Healthy public policy

Public health communications toolkit (14 February, online) ☀

This workshop will equip participants with a "toolkit" of ideas, skills and approaches for disseminating research and evidence to diverse audiences. Explore how we can make sure public health communication gets to – and is understood by – the people who need to see it.

Dirty tactics: Pre-empting tobacco companies' responses to endgame policies (19 February, online) ☀

Examine arguments and strategies tobacco companies have used to oppose novel tobacco control policies. Explore tactics they may use to undermine endgame measures and discuss how smokefree researchers can counter these.

Cancer prevention and care: Environmental and policy solutions (20 February, online) ☀

Explore environmental and policy solutions to cancer prevention and care. What is the evidence and what can you do about it? Consider factors such as the role of alcohol, junk food and ultraviolet radiation, and the implications of drug access and wait times. Focus on systems change. Consider the impact of these solutions for other non-communicable diseases (NCDs).

Watt's the cost? Watt's the benefit? Fairness in renewables and energy efficiency (21 February) ☀

This course explores the tensions and synergies behind the installation of renewable generation and energy efficiency initiatives. It considers the benefits, costs, and incentives from the perspective of government, communities, NGOs and households, and examines ways of ensuring a just energy transition.

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