



# 2021 PUBLIC HEALTH SUMMER SCHOOL



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Te Whare Wānanga o Ōtago  
NEW ZEALAND

WELLINGTON



## A healthier community. A better tomorrow.

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**1-19 February 2021**  
**Wellington, New Zealand**

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1997-2021

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

### Research, epidemiology, big data and statistical methods

#### Survival skills for health researchers, 5 Feb ☀️

Research careers are rapidly changing. This workshop will equip early career researchers with the knowledge and tools to survive and thrive in the world of research.

#### How to write a paper, 11 Feb

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

#### Introduction to epidemiology, 5 Feb

Introduces the key principles and methods used in epidemiology for those new to the subject, in need of a refresher or wanting a “taster” before deciding on further study.

#### VHIN introduction to health research in the IDI, 4 Feb

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

#### Introduction to R, 1 Feb

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

#### Introduction to survival analysis, 10 Feb

This workshop introduces concepts underlying survival analysis (censoring, Kaplan-Meier estimation, and basics of Cox Proportional Hazards models) with practical exercises.

#### Intermediate concepts of applied statistics, 11 Feb ☀️

This course describes statistical thinking from the ground up, giving a deeper understanding of the concepts behind core statistical methods and enabling better communication of statistical results.

### Qualitative methods

#### Introduction to qualitative methods, 12 Feb

Introduces qualitative research and different methodologies, illustrated with examples from current and recent research projects.

#### Introduction to NVivo, 9 Feb

This hands-on workshop is designed as a practical guide to NVivo software for new and experienced qualitative and mixed methods researchers.

### Evidence, economics and healthcare systems

#### Introduction to the New Zealand health system, 4 Feb

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.

#### Simulation modelling of interventions, 12 Feb

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.

#### Unseen algorithms in healthcare, 9 Feb ☀️

Many healthcare providers already use tools like decision-support apps, online calculators and embedded medical software. We will discuss critical and ethical appraisal of the algorithms behind these tools and how governance can support their safe and effective use in healthcare delivery.

#### Countering disinformation in the age of COVID-19, 10 Feb ☀️

COVID-19 has involved unprecedented challenges in risk communication, including disinformation on a wide range of issues. This course will consider how to minimise the negative impact on public health of factors including low levels of health literacy, intense social media exposure, and political opportunism.

### Māori and Pacific health and cultural competencies

#### Hauora Māori: Introduction to models, processes and frameworks to advance well-being, 17 Feb

Introduces best practice Māori health models, processes and frameworks to inform your practice and draws on examples of community activities during the COVID-19 lockdown to support and protect Māori health and well-being.

#### Introduction to Pacific health: Approaches for action, 3 Feb (Wellington), 5 Feb (Auckland)

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.

### Population mental health

#### Kei te kōrero he rongōā: The healing power of stories for Māori suicide prevention, postvention and well-being, 15 Feb ☀️

This wānanga will focus on the power of our voices and our stories for Māori suicide prevention, postvention, and healing through trauma to achieve well-being of the whenua and the people.

### Healthy public policy and law

#### Public health law, 18 Feb

This course is about finding and understanding public health law, including law on communicable disease, environmental health, NCD risk factors, and a focus on COVID-19 law (emergencies, contact tracing, quarantine).

#### Electronic Nicotine Delivery Systems (ENDS) and Smokefree 2025. Where to from here? 16 Feb ☀️

New legislation will regulate the sale and marketing of vaping products, but rapid product evolution may present new challenges. Explore the latest research and discuss new questions likely to arise as product innovation continues.

#### Hand in hand – tobacco, alcohol and policy measures, 17 Feb ☀️

Tobacco and alcohol use often occur simultaneously yet we typically consider these as separate practices. This course will explore measures that could decouple smoking and drinking, particularly among young people.

#### Eviction and its consequences, 18 Feb ☀️

For tenants, eviction is a feared experience that can cast a long shadow on their health and well-being. This symposium will present the results of a wide-ranging study of past and present eviction processes and experiences in Aotearoa New Zealand and consider international alternatives to current practice.

### Infectious diseases, environmental health and sustainability

#### COVID-19: What we have learnt and where we are going, 1 Feb ☀️

Hear from experts directly involved in shaping the public and community health response to Aotearoa New Zealand's biggest public health emergency in 100 years. Considers a range of perspectives on the pandemic response to date to identify lessons learned and next steps.

#### Post-COVID reset: Transformational opportunities for a healthier, fairer, more sustainable Aotearoa, 2, 3 Feb ☀️

There are many opportunities for transformational change to health, equity and sustainability in Aotearoa in the wake of the COVID-19 pandemic. This course brings together thought leaders from government, science and civil society to discuss how we can shape our future.

#### Building for zero carbon by 2050, 16 Feb ☀️

The building and construction sector is responsible for 20 per cent of New Zealand's carbon emissions and has a key role to play in achieving our zero carbon emissions goal. This course will provide an update on the latest thinking and research on measures to improve buildings to reach the 2050 goal.

#### 2021 water reforms: A safer, more sustainable drinking water supply system for Aotearoa, 19 Feb ☀️

Pending legislation presents a once-in-a-generation opportunity to reform Aotearoa New Zealand's drinking water supply. Leaders from government, industry and science will explore the legislation's implications for a safer, more sustainable drinking water supply system.