



Public Health Observatory  
New Zealand  
Te Rōpū Mātai Hauora Pāpori  
O Aotearoa

# **“BETTER HEALTH THROUGH INTELLIGENCE”**

FIRST VIRTUAL CONFERENCE

Friday 15, 22, 29 July



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# WELCOME

Kei āku nui, kei āku rahi, tēnā rā kōoutou

The Steering Group of the Public Health Observatory NZ (PHONZ) welcome you to our first Virtual Conference, to be held on Friday 15, 22, and 29 July, starting at 9.00am.

PHONZ provides a collaborative platform of support to develop strategies on how public health intelligence can drive planning and commissioning within the system and equitable health outcomes.

PHONZ will become a repository for news, data, analytical tools, and information about public health intelligence and provide workforce development opportunities. The PHONZ website can be found here:

<https://www.ehinz.ac.nz/projects/public-health-observatory-of-nz/>

We thank you for your support and participation and welcome your continuing involvement in PHONZ.

Please, don't hesitate to contact us with your comments and suggestions about the development of PHONZ.

Ngā mihi nui

The PHONZ Steering Group



## PHONZ STEERING GROUP

- Professor Barry Borman (Chair), Professor of Epidemiology, Massey University (b.borman@massey.ac.nz)
- Dr Ruth Cunningham, public health physician and epidemiologist, Otago University-Wellington (ruth.cunningham@otago.ac.nz)
- Dr Corina Grey, public health physician and epidemiologist, Health NZ (Corina.Grey@health.govt.nz)
- Peter Himona, Senior Analyst, Māori Health Insights, Māori Health, Ministry of Health (Peter.Himona@health.govt.nz)
- Tim Hopley, Senior Advisor, Intelligence, Surveillance & Knowledge group, Public Health Agency, Ministry of Health (Tim.Hopley@health.govt.nz)
- Patrick Hipgrave, Intelligence Analyst, Massey University (p.hipgrave@massey.ac.nz)
- Kurt Janssen, CEO, Orbica, Christchurch (kurt@orbica.world)
- Ron King, Program Manager Intelligence, Systems, Intelligence and Planning, Auckland Regional Public Health Service (RonK@adhb.govt.nz)
- Dr Chris Skelly, Analytical Programme Manager, Department of Health and Social Care, UK (chris.skelly@dhsc.gov.uk)
- Dyfed Thomas, Manager, The Public Health Intelligence and Policy (PHIP) team, Waikato DHB (Dyfed.Thomas@waikatodhb.health.nz)



# PROGRAMME

Friday, 15 JULY 2022

| Time     | Presenter (Session Chair – Barry Borman, Massey University)                                                      |                                     |                                                                     |
|----------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------|
| 9.00 am  | Karakia (Peter Himona)                                                                                           |                                     |                                                                     |
| 9.05 am  | Welcome and Introduction (Professor Barry Borman, PHONZ Chair)                                                   |                                     |                                                                     |
| 9.15 am  | Associate Minister of Health, Dr Ayesha Verrall                                                                  |                                     |                                                                     |
| 9.45 am  | Open floor discussion – “How to achieve better health through intelligence”                                      |                                     |                                                                     |
| 10.00 am | Dr Ashley Bloomfield, Director-General of Health                                                                 |                                     |                                                                     |
| 10.30 am | Graham Bidois Cameron, Acting Director, Public Health Agency & Dr Maria Poynter, National Public Health Service. |                                     |                                                                     |
| 11.15 am | Laura Cleary, Manager, Data Services, National Collections and Reporting, Health New Zealand                     |                                     |                                                                     |
| 11.35 am | Dr Chris Galloway, Massey University, Artificial Intelligence in Public Health                                   |                                     |                                                                     |
| 12.00 pm | Lunch                                                                                                            |                                     |                                                                     |
|          | Presenter                                                                                                        | Organisation                        | Presentation title (Session Chair - Tim Hopley)                     |
| 12.40 pm | Ron King                                                                                                         | ARPHS                               | General Public Health Intelligence: Assembly Required               |
| 1.00 pm  | Dr Richard Hoskins                                                                                               | National Public Health Service      | I'll tell you what I want, what I really really want                |
| 1.20 pm  | Dr Petra Muellner                                                                                                | Epi-Interactive / Massey University | Building global One Health intelligence                             |
| 1.40 pm  | Ying Li                                                                                                          | Health Quality & Safety Commission  | Turning big data into knowledge for health care quality improvement |
| 2.00 pm  | Closing remarks – Karakia                                                                                        |                                     |                                                                     |

# PROGRAMME

Friday, 22 JULY 2022

| Time     | Presenter                        | Organisation                                             | Presentation title (Session Chair – Corina Grey & Peter Himona)                                          |
|----------|----------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 8.55 am  | Welcome and karakia              |                                                          |                                                                                                          |
| 9.00 am  | Dr David Phillips                | Independent Consultant, UK                               | Health System Transformation: Lessons from England                                                       |
| 9.20 am  | Dr Chris Skelly                  | Department of Health and Social Care, UK                 | Rethinking Public Health Intelligence                                                                    |
| 9.40 am  | Dr Melissa McLeod                | University of Otago                                      | We still don't count: the undercounting and under representation of Maori in health and disability data. |
| 10.00 am | Paul McBride                     | Health Quality & Safety Commission                       | Exploring the consequences of lockdowns with data                                                        |
| 10.20 am | Dr Jesse Whitehead               | Waikato University                                       | Spatially equity and health services in Aotearoa                                                         |
| 10.40 am | <del>Alex Mintoft-Jones</del>    | <del>Effective Altruism Australia Research Council</del> | <del>How to improve public health through decreasing meat consumption</del>                              |
| 11.00 am | Dyfed Thomas & Alex Brebner      | Waikato Public Health Unit                               | Data during a diSARster                                                                                  |
| 11.20 am | Dr Uli Muellner                  | Epi-Interactive                                          | What's in a dashboard?                                                                                   |
| 11.40 am | <del>Louisa Taylor</del>         | <del>Periscope Collective</del>                          | <del>Search for the stink bomb</del>                                                                     |
| 12.00 am | <b>Lunch</b>                     |                                                          |                                                                                                          |
| 12.40 pm | Len Cook                         |                                                          | Connections between demographic analysis and imprisonment, and retirement policy                         |
| 1.00 pm  | Siddhartha Mehta                 | Ministry of Health                                       | Triangulating the Omicron Outbreak                                                                       |
| 1.20 pm  | Associate Professor Arindam Basu | University of Canterbury                                 | OneHealth, emerging zoonoses, and organising public health surveillance                                  |
| 1.40 pm  | Karl Majorhazi                   | Statistics New Zealand                                   | Population grids for NZ (pre-recorded)                                                                   |
| 2.00 pm  | Closing remarks – Karakia        |                                                          |                                                                                                          |

# PROGRAMME

Friday, 29 JULY 2022

| Time     | Presenter                            | Organisation                                        | Presentation title (Session Chair – Barry Borman, Ruth Cunningham & Tim Hopley).                                                                                                                   |
|----------|--------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.55 am  | Welcome and Karakia                  |                                                     |                                                                                                                                                                                                    |
| 9.00 am  | Dr Sala Senkayi                      | US Environmental Protection Agency                  | Presidential early career awards for scientists and engineers (PECASE) -2017, Project of developing a regional environmental health data visualization app to visualize years of agency-wide data. |
| 9.20 am  | Dr Sala Senkayi                      | US Environmental Protection Agency                  | An Embassy science fellowship programme (ESF), Project of developing PM2.5 Air Quality app for Kampala Uganda                                                                                      |
| 9.40 am  | Moya Field & Hineamaru Davies-Lyndon | National Immunisation Programme, Ministry of Health | What COVID-19 has taught us about data sharing with Maori                                                                                                                                          |
| 10.00 am | Justine O'Reily                      | Ministry of Health                                  | Commissioning for Pae Ora                                                                                                                                                                          |
| 10.20 am | Peter Himona                         | Ministry of Health                                  | How one age standardised rate can hide inequity                                                                                                                                                    |
| 10.40 am | Dr Paul Bingham                      | Ministry for Primary Industries                     | Japanese encephalitis (pre-recorded)                                                                                                                                                               |
| 11.00 am | Prof. Shanthi Ameratunga             | Counties Manukau DHB / University of Auckland       | When numbers can be deceptive: streetscapes inclusive of disabled people and older citizens                                                                                                        |
| 11.20 am | Dr Masako Wada                       | Ministry for Primary Industries                     | Climate-disease model using artificial intelligence                                                                                                                                                |
| 11.40 am | Dr Lora Peacock                      | Ministry for Primary Industries                     | Reprioritisation of surveillance                                                                                                                                                                   |
| 12.00 am | <b>Lunch</b>                         |                                                     |                                                                                                                                                                                                    |
| 12.40 am | Vic Duoba                            | Health Quality & Safety Commission                  | Assessing Ethnic Mortality Burden from COVID-19                                                                                                                                                    |
| 1.00 pm  | Emily Mountier                       | Health Quality & Safety Commission                  | Health Quality Safety Commission: Libraries and Atlases: Measuring and reporting health quality intelligence data                                                                                  |
| 1.20 pm  | Jeremy Severinsen                    | Orbica                                              | Modern Geospatial, and it's use in the Health Sector                                                                                                                                               |
| 1.40 pm  | Kylie Mason                          | Massey University                                   | Social vulnerability indicators (pre-recorded)                                                                                                                                                     |
| 2.00 pm  | Justin Lester                        | Dot Loves Data                                      | Localities data in the public health system                                                                                                                                                        |
| 2.20 pm  | Joanna Swanson                       | Health Quality & Safety Commission                  | Exploring equity in patient experience of care                                                                                                                                                     |
| 2.40 pm  | Closing remarks – Karakia            |                                                     |                                                                                                                                                                                                    |