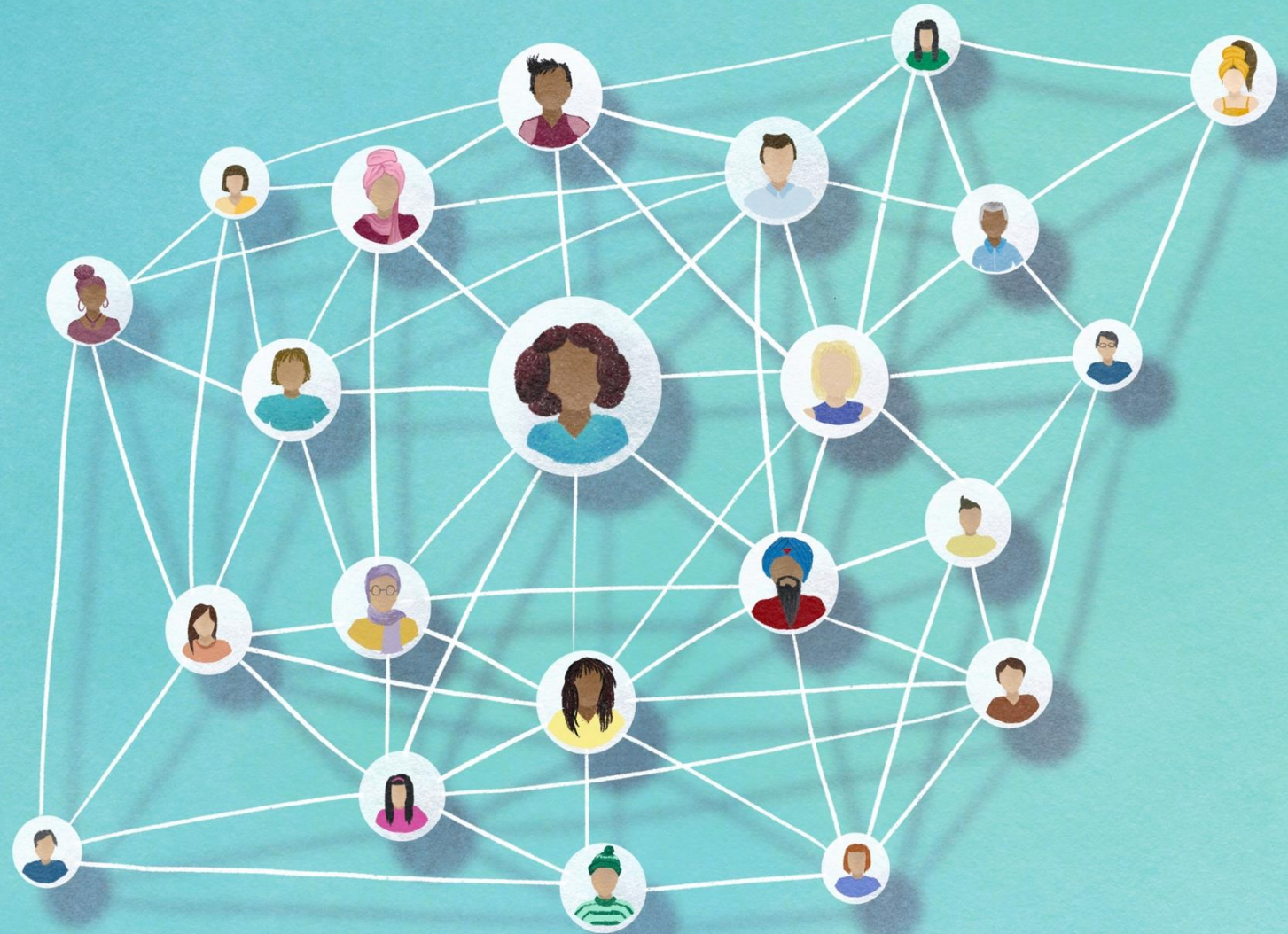


RURAL HEALTH RESEARCH NETWORK SYMPOSIUM 2024



Rural health research network

Where have we
come from?

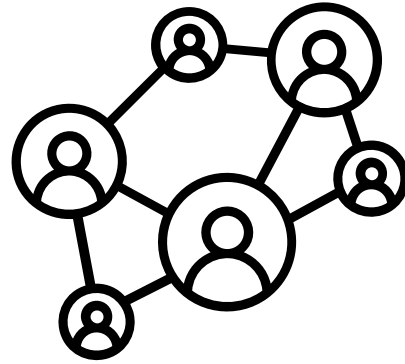


c. University of Otago Research Networks

- i. A University of Otago Research Network operates in an area where there are research strengths that with co-ordination might translate into further interdisciplinary research, shared expertise, and/or real-world impact.
- ii. A University of Otago Research Network provides knowledge-sharing and training opportunities for all its members through activities that may not usually be readily undertaken within the University's traditional departmental structures.
- iii. A University of Otago Research Network signals an area of research significance. By giving particular recognition and support to this, the University is signalling that a University of Otago Research Network has the potential to:
 - increase interdisciplinary and collaborative contributions to a research field
 - attract external research income
 - translate research findings into real-world impact through knowledge sharing with external stakeholders.



Rural health research network



- [About | RHRN | University of Otago](#)
- Centre of Rural Health (Dpt GPRH)
- Ngai Tahu Māori Health Research Unit

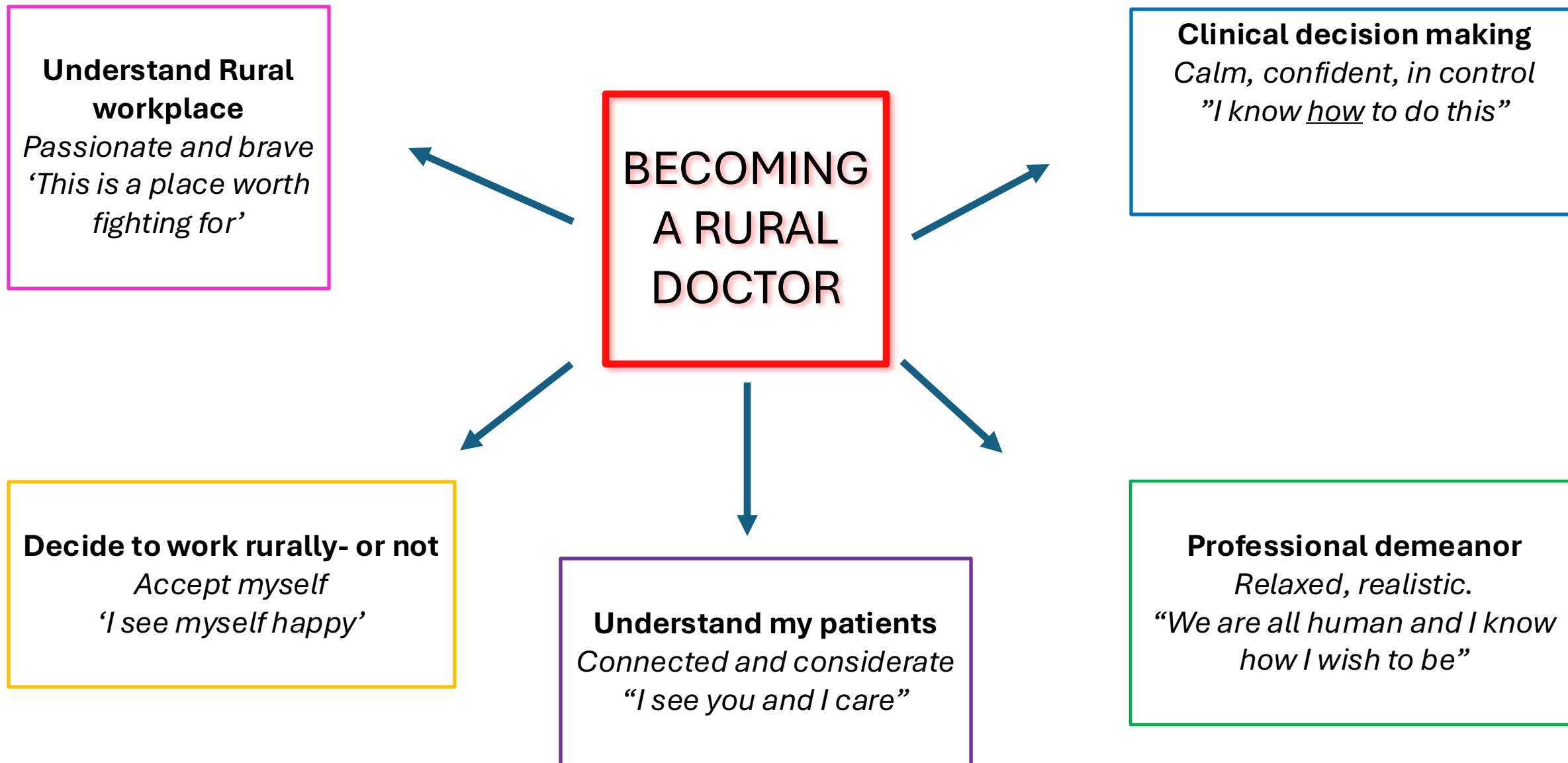
Lightening talks Part 1



Emma Boddington

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Threshold Concepts Learnt by Students During RMIP Academic Year; Central Concept, and Domains of Threshold Concepts.



Implications and what next.

1) Explanation effect of rural training on vocational disposition and outcome

2) Requires a rural context to learn

3) Threshold concepts may explain effect of extended periods in rural training

4) Curriculum

Jane Taafaki

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Research Update

Jane Taafaki, PhD
Va'a o Tautai
Rural Health Symposium, August 2024



Continued rural-Pasifika research initiatives

**Post-doctoral fellowship:
CORE/Va'a o Tautai
Building a Pasifika-focused
model of care based on
Oamaru Pacific Island Trust
vaccination programme.**

**HRC Activation Project:
Exploring health experiences
of Pasifika meatworkers**

Physio pilot project

**HRC Activation: Tauhi Vā
Building connections
between rural community
pharmacists and Pasifika**

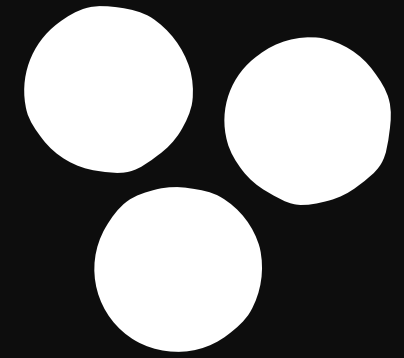
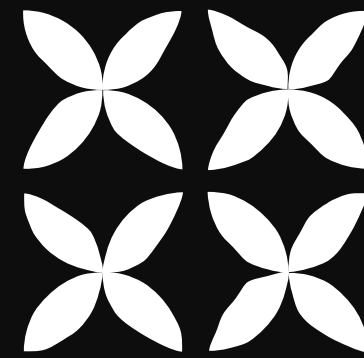
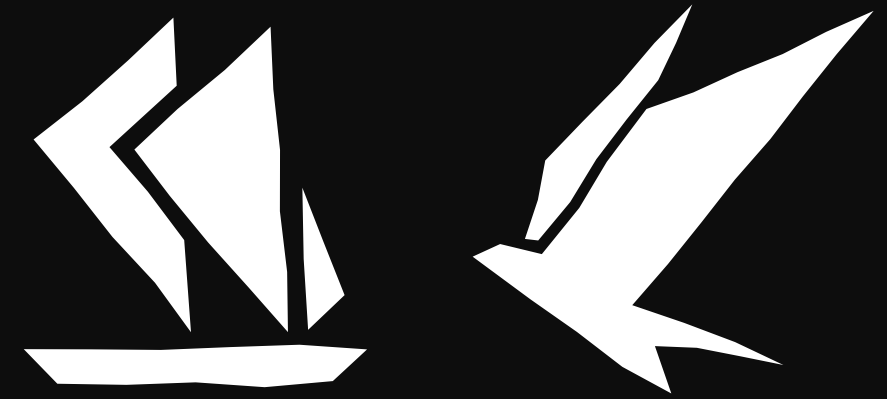
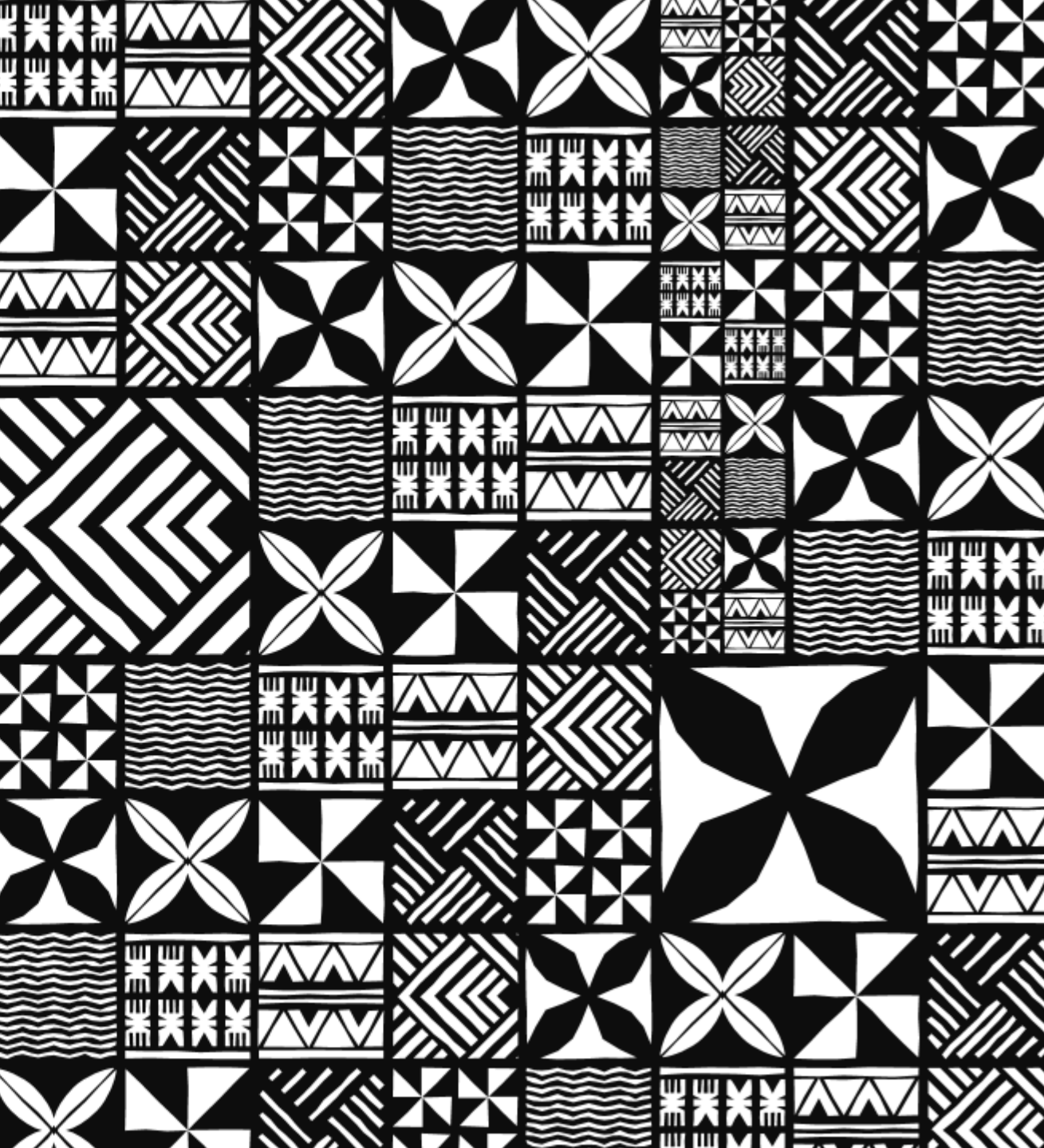
**Paykel Trust, Otago-
Wellington: Vaccine
hesitancy and childhood
immunisations**



Continued rural-Pasifika health initiatives

Immunisation program: VHW Monthly clinics	Women's health Monthly cervical screening Pink day
Kidney health screenings OPIT and meat works Monthly kidney support group	Kaumatua movement Smoking cessation Nutrition courses
Community garden project	Kaiawhina roles and Pacific Access and Choice





VA'A O TAUTAI

CENTRE FOR PACIFIC HEALTH

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Helen Clayson

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Palliative care in Wairarapa: Access and primary care workload through an equity lens

Helen Clayson 2.8.24

- Retrospective cohort study of the electronic medical records of all deceased adults registered with Wairarapa practices who died during the 6 months 1.10.23- 31.3.24
- To investigate those who did and those who did not receive palliative care; for those who did not, to answer the question would they have satisfied the access criteria in their last year of life and when, and what difference lack of access had on outcomes by simple comparison with those who did receive palliative care.
- Audit of the primary care medical records through examining healthcare data for the last 12 months of life, adding researcher's comments/interpretations regarding first and subsequent impressions around lack of access where applicable and then hybrid thematic analysis of those qualitative data to investigate access. Analysis will incorporate the 3 equity components: ethnicity, rural location and non-cancer diagnosis. Primary care workload will be assessed through numbers of consultations in last 12m and last 3m, and simple comparison of results for those that did and those that did not access palliative care. NB The findings will be preliminary data that will inform further studies.
- Planning:
 - Established reasons for why this is necessary and important from previous survey and lack of Primary Care data as evident in recent HNZ/TWO webinar 2023: '*Planning for palliative care services in Aotearoa, what our population data tells us*'.
- Funding:
 - 2023 unsuccessful application to RNZCGP
 - 2024 Accessed Wairarapa PHO underspend on targeted finds for palliative care \$30,518, primarily to employ a palliative research nurse.

Rory Miller

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Lightening talks

Part 2



Michelle Smith

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Rural Nursing Workplace review



Use of the Geographic Classification for Health (GCH) to understand the Geographic distribution of rural nurses and the rurality of their place of work.



62,342 nurses in NZ in 2020-2021



28% 17,826 – final dataset with an accurate GCH U1- R3 coding using employer address.

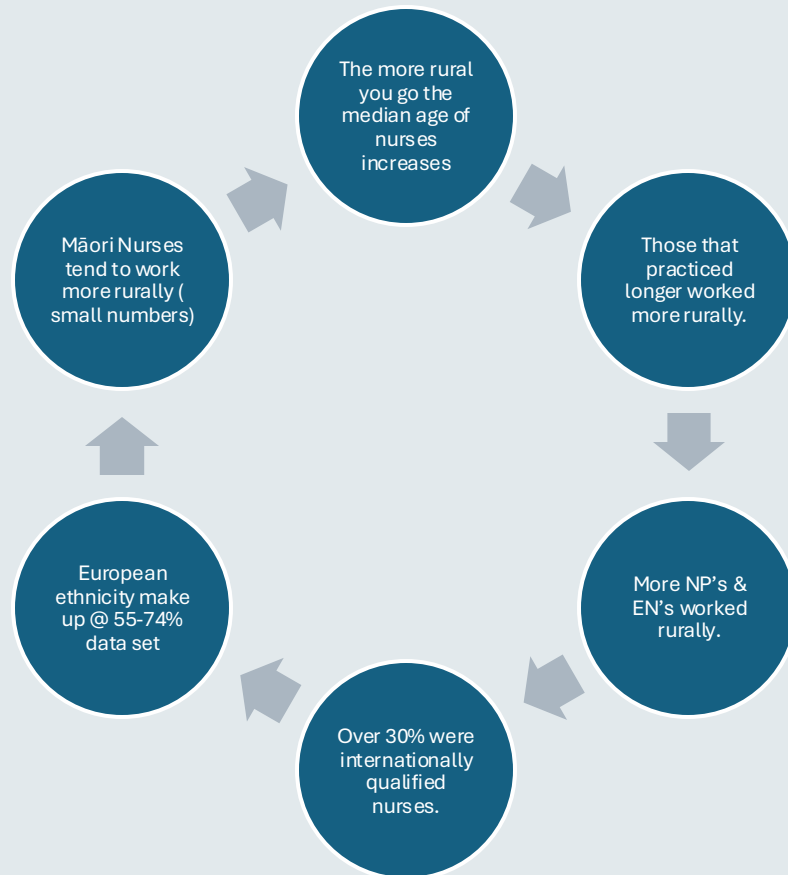


90.2 % employed in urban.



9.7 % employed in rural.

Results/ Future directions



- We don't know about 70% of the nursing workforce.
- Difficult to make workforce predictions.
- Review data collection of employer address obtained from nursing annual registration.
- Rural nursing education national focus at undergraduate and postgraduate level.
- Accurate data on workforce.

Sara Mason

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PhD study

The development of the kaiāwhina/unregulated health workforce

Driving the use of the unregulated health workforce

International shortage of health professionals

Migration to areas with higher standards of living

Rural recruitment difficult

Patient complexity

Higher intensity health monitoring in community

Transferal of health information from unregulated staff not valued

Financial constraints

Interconnected with patient complexity

Substitution of health professionals with unregulated workforce



Three linked studies

Reciprocal advantages at each stage of the research

Scoping review

Semi Structured interviews

Survey presented nationally

Further questions: sara.mason@wcdhb.health.nz

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Dr Pauline Dawson, Senior Lecturer, Department of Women's and Children's Health, Dunedin School of Medicine, Division of Health Sciences, University of Otago (Co-Supervisor).

Associate Professor Eileen McKinlay, Director Centre for Interprofessional Education, Division of Health Sciences, University of Otago (Co-Supervisor).

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Quidel TriageTrue High Sensitivity Troponin I QC evaluation

Develop QC protocol

- Components needing QC
- Storage and handling conditions
- Available equipment at different sites

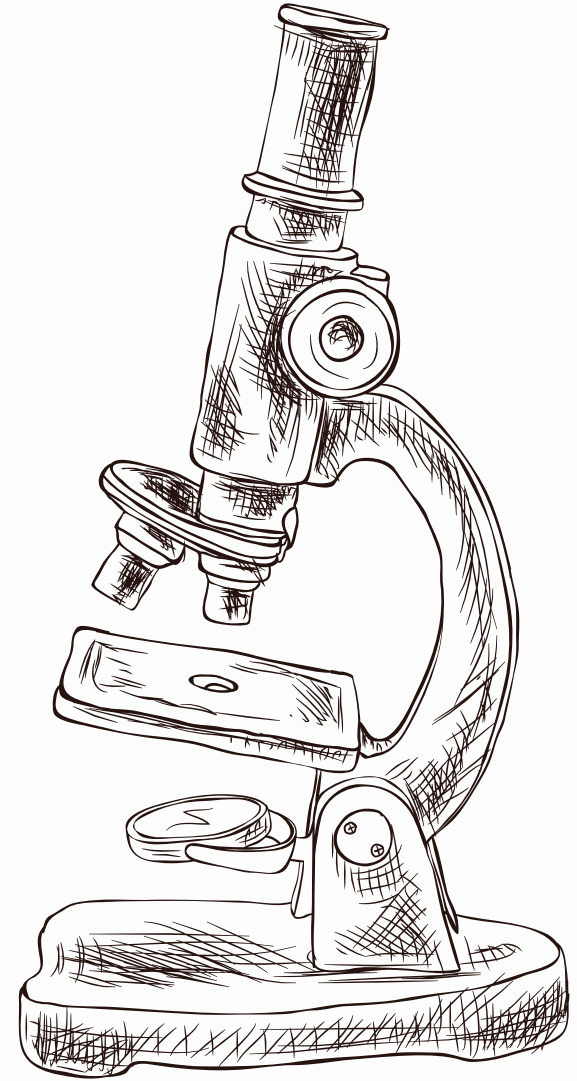


Asses QC shipment

- Transport from overseas
 - track temperature
 - run QC samples on analyser (mean, SD, CV)
- manipulate sample
 - store at high temperature for 24 hrs to simulate hot delivery vehicle in summer
 - run QC samples on analyser (mean, SD, CV)

Asses storage options

- store in -18°C freezer
- store in fridge
- store at room temperature
 - run QC samples on analyser (mean, SD, CV)



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Qualitative and Mixed Methods Research

35

Tim Stokes



University
of Otago
ŌTĀKOU WHAKAIHU WAKA



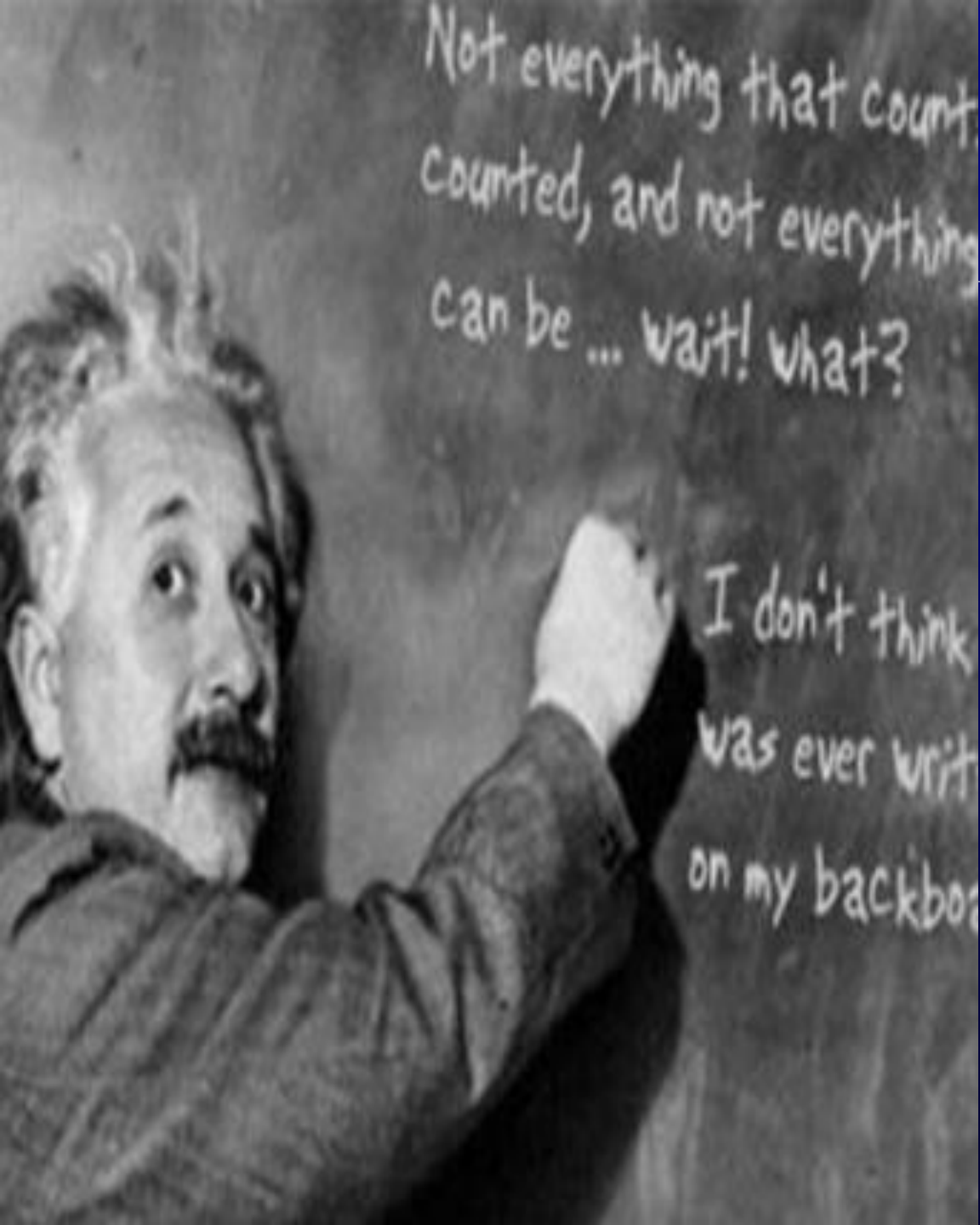
Definitions

Qualitative research involves the collection, analysis and interpretation of data that are not easily reduced to numbers.

These data relate to the social world and the concepts and behaviours of people within it.

(Murphy et al, 1998)

Mixed methods research : Combines Qualitative and Quantitative Research in a single study



Not everything that can be counted counts ...

and not everything that counts can be counted

What is qualitative research?

1. Commitment to viewing events, actions, norms, values from the perspective of those being studied
2. Emphasis upon description of the setting being studied
3. Emphasis on context and holism
Researcher as part of process
Reflexivity

4. Emphasis on process
5. Flexibility and lack of structure: reluctance to impose a priori theoretical frameworks at outset

(1- 5 Bryman, 1988)

Good qualitative research is rigorous and its findings can be transferable to other settings

Why do qualitative research in health care?

Qualitative studies help us understand why promising clinical interventions do not always work in the real world, how patients experience care, and how practitioners think.

- Patients' accounts of living with and managing inflammatory bowel disease in rural Southern New Zealand: a qualitative study (Richard et al., 2020)

They also explore and explain the complex relations between the healthcare system and the outside world, such as the socio-political context in which healthcare is regulated, funded, and provided, and the ways in which clinicians and regulators interact with industry

- How did New Zealand's regional District Health Board groupings work to improve service integration and health outcomes: a realist evaluation (Penno et al., 2023)



Where are we going ?

University of Otago Research Centre	An integrated research platform or programme with an established national and/or international reputation for excellence.	Up to \$50,000 per annum from the budget of the Research Committee. Expected to secure additional funding from academic divisions and/or external sources.	Five years.
University of Otago Research Theme	An interdisciplinary grouping of University scholars engaged in related research activities in areas of developing or potential research topics, that with recognition and support will lead to common goals and excellent interdisciplinary research.	Up to \$25,000 per annum from the budget of the Research Committee. May secure additional funding from academic divisions and/or external sources.	Four years.
University of Otago Research Network	A broad collective of scholars, professionals and community members, led by the University of Otago, engaging in research around an area of collective interest involving fundamental issues or problems.	Up to \$10,000 per annum from the budget of the Research Committee. May secure additional funding from academic divisions and/or external sources.	Four years.

b. University of Otago Research Themes

- i. The purpose of a University of Otago Research Theme is to promote and facilitate communication and new types of research collaborations among its members, including academic staff, research staff and graduate research students. A University of Otago Research Theme signals an area where there are research strengths in the University that, with co-ordination, might sustain or incubate promising interdisciplinary research directions.
- ii. A University of Otago Research Theme provides unique training opportunities for students and may support co-ordination of activities not readily undertaken within the University's department structure.
- iii. A University of Otago Research Theme signals an area of demonstrated or developing research excellence. By giving particular recognition and support, the University is signalling that University of Otago Research Themes will:
 - develop a pathway to increase national and international leadership and recognition for excellence;
 - increase interdisciplinary and collaborative contributions to a research field;
 - have the potential to attract external research income.