

Population futures in an uncertain world:

The changing faces of Aotearoa New Zealand

New Zealand's Population Conference 2023

29 and 30 August 2023, Engineering Building, University of Auckland

Organised by the Population Association of New Zealand

Te Roopu Waihanga Iwi O Aotearoa



DAY ONE: Tuesday, 29th August 2023

8.00 am – 8.45 am	Coffee, Tea and Registration [Venue: Atrium (Level 4), Engineering Building]		
8.45 am – 9.30 am	Venue: Room 405-470, Level 4	Mihi whakatau Conference opening by Hon Dr Deborah Russell Minister of Statistics Welcome address President, Population Association of New Zealand	
9.30 am – 11.00 am		Keynote Session: Population health 'beyond the pandemic' Collin Tukuitonga (Associate Dean Pacific and Associate Professor of Public Health at the Faculty of Medical and Health Sciences, University of Auckland) Sarah-Jane Paine (Associate Professor, Faculty of Medical and Health Sciences, Te Kupenga Hauora Māori, University of Auckland and Growing Up in New Zealand Research Director) Chair: Polly Atatoa-Carr (Associate Professor, Te Ngira, University of Waikato)	
11.00 am – 11.30 am	Morning tea (Venue: Level 4 Foyer, Engineering Building)		
11.30 am – 12.45 pm	Concurrent Sessions (I)		
1a. Climate Change & Covid Venue: Room 405-460 Chair: Tze Ming Mok Asian communities' well-being in Aotearoa during COVID-19: Mitigating role of sense of belonging in the relationship between racism and life satisfaction Lynne Park and Rebekah Jaung The impact of COVID-19 on the geography of internal migration in Australia: Estimates from novel data Elin Charles-Edwards Linking people and climate: Extreme events climate index for Aotearoa for Stats NZ geographies and iwi rohe Heather McLeod Social vulnerability indicators for natural hazards and other emergencies in Aotearoa Kylie Mason	1b. Māori & Indigenous Populations Venue: Room 405-430 Chair: Michael Cameron Te Whata – a population data tool for iwi deliberation, sustenance, and wellbeing Pip Bennett He Raraunga Hāpori: Building an evidence base of wellbeing for Māori communities. Moana Rarere and Jesse Whitehead Understanding the connection between Māori and te taiao, and how this relates to the urban environment Kayla Manuirirangi Outcomes for Māori participants in Housing First Jenny Ombler	1c. Population Health Venue: Room 405-470 Chair: Robert Didham Disaggregated level child morbidity in Zambia: Application of small area estimation method Audrey Kalindi Health disparity between migrants and natives and its contributing factors: Evidence from a 21-year longitudinal survey in Australia Guogui Huang Cardiovascular health profile of Filipinos living in New Zealand: A cross-sectional survey Eliazar Dimalapang Inequalities in life-years lost and unhealthy years attributable to air particulate matter in Asia-Pacific region Pattheera (Paire) Somboonsin	1d. Gender & Identity Venue: Room 401-401 Chair: Shefali Pawar Growing Up in New Zealand: Ethnic and gender identity at age 12 years Polly Atatoa-Carr The influence of interpersonal communications on the use of contraceptives in Indonesia Syauqy Lukman Intersections of public and private domains: Women's empowerment typologies from Demographic and Health Surveys, 2010–2021 Jolene Tan The effect of mass media exposures on early marriage: Study on ever-married Indonesian women 1976-2017 Syauqy Lukman

12.45 pm – 1.30 pm	Lunch (Venue: Level 4 Foyer, Engineering Building)		
1.30 pm – 2.45 pm	Concurrent Sessions (II)		
<p>2a. Rural & Urban Populations Venue: Room 405-460 Chair: Melanie Berg</p> <p>Comparison of the sociodemographic composition of rural and urban Aotearoa: Insights from applying the geographic classification for health to Census 2018 Jesse Whitehead</p> <p>An exploratory analysis of cultural distance between regions of New Zealand Michael Cameron</p> <p>Defining rurality: Evaluating the options for the development of a new regional-rural admission scheme for professional medical programmes at the University of Auckland Jessie Colbert and Daniel J Exeter</p> <p>Rethinking Urban Spaces – A Temporal Approach to Densification and Climate Change Robert Cunningham</p>	<p>2b. Population Health & Ageing Venue: Room 405-430 Chair: Arvind Zodgekar</p> <p>Population projections, structural ageing, and the implications for youth services in New Zealand Holly Trowland</p> <p>The long-term effect of schooling on excess body weight and diabetes Lilipramawanty K. Liwin</p> <p>Patterns of service utilisation and future demand of critical care in New Zealand public hospitals Zhi-ling (Jim) Zhang</p> <p>Change in the food environment and measured adiposity in adulthood in the Christchurch Health and Development birth cohort, Aotearoa: A cohort study Bingyu (Susie) Deng</p>	<p>2c. Methodologies Venue: Room 405-470 Chair: John Bryant</p> <p>Multivariate Bayesian hierarchical models with copulas-based assumptions on spatial effect Mu Li and Bernard Baffour</p> <p>Collective dynamics of wealth: Toward a network theory of family changes Shao-Tzu Yu</p> <p>A review of forecasting models for internal migration: the case of Australia Charles Siriban and Aude Bernard</p> <p>Changes in the pattern of contraceptive use in Australia Edith Gray</p>	<p>2d. Migration & Labour Force Venue: Room 401-401 Chair: Ward Friesen</p> <p>Economic reintegration of return migrants: Case of temporary labour migration programmes for Timor-Leste Iriana Freitas De Jesus Ximenes</p> <p>Recognised Seasonal Employer (RSE) scheme: The discourses of paternalism, managerialism and racialisation Ritu Parna Roy and Evalesi Tu'inukuafe</p> <p>Multi-scalar spatial integration of overseas-born immigrants in Australia Mengxue Chen</p>
2.45 pm – 3.15 pm	Afternoon tea (Venue: Level 4 Foyer, Engineering Building)		
3.15 – 4.15 pm	Venue: Room 405-470, Level 4	<p>Plenary Panel and Discussion: Indigenous Data Sovereignty</p> <p>Kirikowhai Mikaere Founder & Managing Director, Te Wehi – Development by Design</p> <p>Donna Cormack Associate Professor, Te Kupenga Hauora Māori, University of Auckland</p> <p>Sam Manuela Senior Lecturer, University of Auckland; Pacific Data Sovereignty Committee member</p> <p>Chair: Tahu Kukutai (Co-Director of Ngā Pae o Te Māramatanga and Professor of Demography at Te Ngira, University of Waikato)</p>	

4.15 pm – 5.45 pm	Concurrent Sessions (III)		
<p>3a. Census & Admin data Venue: Room 405-460 Chair: Alison Reid</p> <p>The experimental administrative population census Ivan Welsh</p> <p>The quality of administrative data for census variables Hannes Diener</p> <p>Future Census/Transformation Update Michael Berry</p> <p>Adaptive design for the 2023 Census coverage methodology Nikolai Kondratev</p> <p>Harmonising ethnicity from multiple sources using latent class analysis Christine Bycroft</p>	<p>3b. Mortality & Life Expectancy Venue: Room 405-430 Chair: Jacques Poot</p> <p>Forecasting age distribution of life-table death counts via alpha-transformation Han Lin Shang</p> <p>Monthly mortality estimates for Aotearoa New Zealand John Bryant</p> <p>Mortality regime in five high-income English-speaking countries: period and cohort prospective Sergey Timonin and Vladimir Canudas-Romo</p> <p>Longevity à la mode Paola Vazquez Castillo</p> <p>Life expectancy decomposition: A perspective of numerators and denominators Wen Su</p>	<p>3c. Māori & Indigenous Populations Venue: Room 405-470 Chair: Jesse Whitehead</p> <p>Pacific housing: people, place and wellbeing Rosemary Goodyear, Ofa Ketu'u and Robert Didham</p> <p>Factors Associated with Disparities Experienced by Tamariki Māori in the Care and Protection System Steve Murray</p> <p>Ethnic-specific analyses of factors impacting longitudinal response patterns in the Growing Up in New Zealand birth cohort study Esther Yao</p> <p>Te Matapaeroa – Measuring Māori business insights Rajas Kulkarni and Tze Ming Mok</p> <p>Revisiting Te Kupenga: A national survey on Māori wellbeing Manawa Huirama</p>	<p>3d. Housing & Education Venue: Room 401-401 Chair: Moana Rarere</p> <p>Housing condition and occupant wellbeing Vicki White and Suzanne Jones</p> <p>Improving the accessibility and useability of housing data to inform Māori-led housing solutions Miranda Devlin</p> <p>Fifth year outcomes for a Housing First cohort Jenny Ombler</p> <p>Higher education mobility made by global south students to Australia and New Zealand: A systematic literature review Yunying Liang</p> <p>Forecasting school enrolments in the Australian Capital Territory Tianyu Shen</p>

5.45 pm – 6.45 pm	<p>Evening cocktail reception (Venue: Foyer, Engineering Building) Hosted by Te Ngira, Institute for Population Research, University of Waikato</p> <p>Performance from the Mouifo'ou ia Kalaisi Fellowship of New Zealand youth group (Venue: The Terraces, 405-439)</p>		
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6.45 pm onwards	<p>Conference Dinner (Venue: The Fale Pasifika)</p> <p>Finding comedy in a pandemic demographic crises After Dinner Speaker: Perlina Lau Host of RNZ show 'Culture 101', TVNZ comedy 'Creamerie'</p>		
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DAY TWO: Wednesday, 30th August 2023

8.00 am – 8.45 am	Coffee, Tea and Registration [Venue: Atrium (Level 4), Engineering Building]		
8.30 am – 9.00 am	Venue: Room 405-470, Level 4	PANZ Presidential Speech Rosemary Goodyear, Stats NZ	
9.00 am – 10.30 pm		Presentation of Newell Award and Stats NZ Jacoby Prize Brendon Anstiss, Director - Collections Operations, Census 2023 at Stats NZ	
		Keynote Session: Inequality and climate change Celia McMichael (Associate Professor, School of Geography, Earth and Atmospheric Sciences, University of Melbourne) Ganesh Nana (Chair, New Zealand Productivity Commission) Chair: Francis Collins (Professor, University of Auckland)	
10.30 am – 11.00 am	Morning tea (Venue: Level 4 Foyer, Engineering Building)		
11.00 – 12.15 pm	Concurrent Sessions (IV)		
4a. Migration Venue: Room 405-460 Chair: Ward Friesen When does a temporary move become permanent? Ying Wang and Aude Bernard Patterns and determinants of regional settlement among humanitarian migrants in Australia: Insights from longitudinal administrative data Cho Yat Wong and Aude Bernard Intermediation of New Zealand temporary migration: The many-faced agents and the 'hidden' employer Yu Shi (Harry) Retention of immigrants: Are Regional Visa Schemes effective? Aude Bernard	4b. Childhood & Childbearing Venue: Room 405-430 Chair: Rosemary Goodyear Identifying typologies of residential mobility in childhood and associated factors: A prospective birth cohort study in New Zealand Bingyu (Susie) Deng Towards equitable access and outcomes for tamariki and whānau within early childhood ear and hearing services in South Auckland Elizabeth Holt Between existential fulfilment and economic constraints: Unpacking childbearing decision-making process Edith Gray and Anna Reimondos	4c. Methodologies Venue: Room 405-470 Chair: John Bryant Modelling internal migration for population projections Jacques Poot Sex-gap in cohort survival: The contribution of breast cancer Vladimir Canudas-Romo and Wen Su A population grid for New Zealand Karl Majorhazi Alcohol and Drug Outcome Measure (ADOM) use in New Zealand Sandra Baxendine	4d. Marriage & Health Venue: Room 401-401 Chair: Moana Rarere Evolving patterns of union formation in Australia: Unravelling urban-rural differentials in marriage and cohabitation Edith Gray and Anna Reimondos The ties that bind? Marriage formation, consanguinity and war in Lebanon and Palestine Yara Jarallah Incorporating duration dependence into health expectancy: Disability-free life expectancy over 60 Tianyu Shen Spousal matching in a precarious world: Mobility and resilience in transnational marriage, evidence from China Shenghan Cai
12.15 pm – 1.00 pm	Lunch (Venue: Level 4 Foyer, Engineering Building)		

**Special Session in loving memory of the
Late Emeritus Professor Ian Pool, CNZM FRSNZ**



Critical Issues for Population in Aotearoa

Population data and statistics

Len Cook (Statistician, Government Statistician of NZ 1992-2000)

Ethnic inequities in population health

Elana Curtis (Associate Professor – Medical, Kupenga Hauora Māori, University of Auckland)

Migration & labour force

Jacques Poot (Emeritus Professor, Te Ngira Institute for Population Research)

Policy implications of an ageing population

Susan St John (Honorary Associate Professor, University of Auckland)

Fertility, families and households

Robert Didham (Research Associate, Te Ngira Institute for Population Research)

Chair: Tahu Kukutai (Co-Director of Ngā Pae o Te Māramatanga and Professor of Demography at Te Ngira Institute for Population Research University of Waikato)

1.00 – 2.15 pm

2.15 – 3.30 pm

Concurrent Sessions (V)

5a. Census 2023

Venue: Room 405-460

Chair: Michael Berry

Delivering the collection operation for the 2023 Census: The plan, the challenges and the things we learnt along the way

Tim McIntosh

What to expect from 2023 Census products and services

Jessie Payne

The 2023 Census rebasing project: Updating historic census address data

Dylan Paterson

New Zealand's digital and dynamic Census

Flynn Owen

5b. Wellbeing

Venue: Room 405-430

Chair: Jesse Whitehead

Strengthening 'Wellness': Embracing diversity in intercultural family dynamics

Young Han

Social connectedness and belonging: Understanding links with socio-economic indicators from the Quality of Life project

Ashleigh Prakash

The first 1,000 days: the role of maternal wellbeing in child development

Jaimie Monk

5c. Population Estimation

Venue: Room 405-470

Chair: Michael Cameron

Update on the new method for family and household projections

Helen He

Estimating Māori population migration to account for COVID-19 border restrictions

Tieta Putri

Recovering seasonal patterns in international travel and migration

Yijia Qian

Future of population estimation

Lucianne Varn

5d. Housing

Venue: Room 401-401

Chair: Alison Reid

Dimensions of affordability and meanings of home: The experience of homemaking when dwellings are unaffordable

Bev James and Patrick Barrett

Lost points of intervention in a pathway to single adult homelessness in Hamilton, New Zealand

Carole McMinn

Population structures and housing Policy: The genesis of the housing crisis and the data needed to move forward

Kay Saville-Smith

Defining and measuring energy hardship in Aotearoa

Parvin Siva, Mike Hayward and Rosemary Goodyear

3.30 pm – 4.00 pm

Afternoon tea (Wrap up and conference conclusion)