Note from the President

Tena koutou katoa

Conference year is always a busy one and 2009 has been no exception with the biennial PANZ Conference held in Wellington on 31 August and 1 September. The conference was a great success with a wide range of papers and some excellent plenary sessions. The council would particularly like to acknowledge the generous sponsorship provided by Statistics New Zealand, the Ministry of Social Development, the Department of Labour, the Ministry of Education and Te Puni Kōkiri. It is particularly pleasing in these hard economic times to have the support of these departments not only through sponsorship but also through participation of their staff in the conference itself.

James Newell and Brian Osborne have done a great job in getting 2009 Conference proceedings onto a DVD. These will shortly be delivered to all conference participants.

For those with an interest in statistics: we had 147 registrations (101 full registrations from 46 PANZ members and 55 non-PANZ members), 21 student registrations (including 18 from Flinders University in Adelaide), 12 people attended one day only, and 55 attended the conference dinner.

The AGM held during the conference saw the election of a new council. I would like to thank outgoing council members, Richard Bedford and Len Cook, both of whom have a long history with PANZ and who will, I am sure, continue to be strong supporters of the association. We have two new council members, Kim Dunstan and Brian Osborne. Both Kim and Brian have been involved with PANZ for a long time and it will be good having their experience on the council. I am pleased to announce that Alison Reid has been appointed by the council to the position of vice-president. This position was unfilled at the AGM and I am delighted that Alison has agreed to take on this role in addition to her secretarial role.

By now you all would have received a copy of the latest New Zealand Population Review. This is a bumper issue containing articles submitted over two years, 2007 and 2008, and spanning volumes 33 and 34. Thanks to the editors of this volume, Richard Bedford, Arvind Zodgekar and Ward Friesen. In the new year, the council will be reviewing the Review to ensure it is put on a sound, professional footing and is meeting the needs of members. I encourage any other member of the council. This Newsletter is the first under our new editors, Kim Dunstan and Cyril Mako. A big thank you to Anne Henderson who has managed the newsletter for at least five years. While Anne is stepping down from her newsletter role, we are fortunate that she will continue as a member of the council.

I would like to wish members of the Association all the best for a safe and happy Christmas.

Denise McGregor
President

Note from the Editor

The PANZ Newsletter remains an important avenue for sharing information among the wider demographic community. For that reason, the PANZ Council seeks the views of members as to the preferred newsletter medium.

This November 2009 newsletter has been produced ostensibly as an electronic version (pdf), largely to enable a faster turnaround. Printed copies are being provided to members with limited on-line access and on request. Aside from time efficiencies, there are also some cost savings in producing electronic versions only. However, the council would appreciate hearing your views in time for the May 2010 newsletter before it makes a decision on the long-term nature of the newsletter.

The Newsletter provides information about recent and forthcoming conferences and meetings, resources and references, news from organisations, and reports on research and activities that members and others would like to share with PANZ members. The newsletter also provides an opportunity to promote current and future work of you and your wider team(s).

Contributions to the newsletter are welcome at any time. The next issue is due out at the end of May 2010, so contributions for that issue are required by May 2010. Items, feedback and any enquiries regarding the newsletter should be addressed to the editor, Kim Dunstan:
kim.dunstan@stats.govt.nz.

Similarly, members and others working in the field are encouraged to contribute articles to the Association’s peer-reviewed New Zealand Population Review. Articles and any enquiries regarding the journal should be addressed to the journal’s editor, Dr Arvind Zodgekar:
zodgekar@paradise.net.nz.

Kim Dunstan
Editor

News from Statistics New Zealand

New Zealand General Social Survey 2008
Data is now available from the first New Zealand General Social Survey. The survey covers multiple domains of life and includes information about: cultural well-being, social connectedness, civic participation, emergency preparedness, housing satisfaction and problems, discrimination, overall life satisfaction, birthplace of parents, education, income, age, and family type. Survey reports, data dictionary, and questionnaire are available from www.stats.govt.nz/nzgss. A confidentialised unit record file is also available.

Subnational Population Estimates at 30 June 2009

Population estimates at 30 June 2009 by five-year age group and sex to area unit level will be available free-of-charge in Table Builder on 18 December 2009.
National Population Projections, 2009-base
2009-base national population projections were released on 27 October 2009. They provide an indication of future trends in the size and structure of New Zealand's population. Nine alternative series have been produced using different combinations of fertility, mortality and migration assumptions. Another five ‘what if?’ series were also produced to illustrate other scenarios of interest.

For a summary of results, commentary and methodology, see the Hot Off The Press information release:

For detailed data, refer to Table Builder:
www.stats.govt.nz/methods_and_services/TableBuilder/population-projections-tables.aspx

Latest demographic projections

<table>
<thead>
<tr>
<th>National projections</th>
<th>Last release</th>
<th>Next release</th>
</tr>
</thead>
<tbody>
<tr>
<td>National population</td>
<td>Oct 2009</td>
<td>2012</td>
</tr>
<tr>
<td>National ethnic population</td>
<td>Apr 2008</td>
<td>22 Apr 2010</td>
</tr>
<tr>
<td>National labour force</td>
<td>May 2008</td>
<td>25 May 2010</td>
</tr>
<tr>
<td>National family and household</td>
<td>Dec 2008</td>
<td>2010</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subnational projections</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Subnational population</td>
<td>Dec 2007</td>
<td>24 Feb 2010</td>
</tr>
<tr>
<td>Area unit population</td>
<td>Apr–Sep 2008</td>
<td>2010</td>
</tr>
<tr>
<td>Subnational ethnic population</td>
<td>Sep 2008</td>
<td>2010</td>
</tr>
<tr>
<td>Subnational family and household</td>
<td>Jul 2009</td>
<td>2010</td>
</tr>
</tbody>
</table>

Information about all of these projections is available from www.stats.govt.nz/estimates-projections. That webpage also contains links to the latest estimates (national, subnational, Māori, dwelling and household) and related information including:
- Moving age-sex pyramids
- Local population trends (graphs and tables)
- Accuracy of recent population projections.

For more information, email demography@stats.govt.nz or phone toll-free 0508 525 525.

2010 Census Dress Rehearsal
The census dress rehearsal will be held on 9 March 2010. The census dress rehearsal is used to test procedures and forms to ensure that the 2011 Census is a success. People in 8,000 households over five districts (Auckland Central, Auckland West, Gisborne, Wellington Central, and Mid-Canterbury) will be asked to take part in the dress rehearsal.

The 2010 Census Dress Rehearsal provides the last opportunity to test and evaluate the census forms ahead of the 2011 Census. Some minor changes may occur as a result of Dress Rehearsal evaluation or as a result of the outcomes of previously scheduled Statistics New Zealand reviews of classifications and/or standards.

For more information about the census dress rehearsal go to www.census.govt.nz.

Review of the Official Ethnicity Statistical Standard
Official ethnicity statistics count the number of people in different ethnic groups in New Zealand, such as Māori, Pacific peoples, Chinese, and Indian. This information is used by communities, government, and service providers to plan programmes, particularly in the health, education, and social service sectors.

The Review of the Official Ethnicity Statistical Standard (ROESS) was undertaken following a significant increase in the level of ‘New Zealander’ responses to the ethnicity question in the 2006 Census. Leading up to the census there was public debate about the format of the question and the purpose of the statistics. The review focussed on the treatment of the ‘New Zealander’ response in the official ethnicity statistical standard, and involved extensive consultation with stakeholders, experts, and the public, as well as a research programme.

There were three main outcomes to the review:
- a) More flexibility in statistical reporting to allow the New Zealander group to be presented with the New Zealand European group or separately from it.
- b) Improved communication by agencies collecting ethnic data about its purpose
- c) No change to the ethnicity question. This is to ensure measurement consistency over time and across collections.

The final report and associated review papers can be found here:

2011 Census Content Report
The next census of population and dwellings will be held on 8 March 2011. The 2011 Census Content Report outlines the decisions of the Government Statistician on the content for the 2011 Census of Population and Dwellings.

The decisions are based on a comprehensive process of consultation, evaluation, questionnaire development, testing, and classification reviews. Overall, the decisions are consistent with the content strategy for the 2011 Census: minimal content change, no new topics, and improving data quality; with a continued emphasis on addressing the needs of users for continuity and comparability with previous census outputs.

Awards and achievements
On 18 November Professor Ian Pool FRSNZ was awarded the Te Rangi Hiroa Medal by the Royal Society of New Zealand in recognition for his contributions over a life time of research "of great merit in historical approaches to societal transformation and change". The Te Rangi Hiroa Medal is awarded biennially in rotation in four areas of the social sciences: historical approaches to societal transformation and change (2009); current issues in cultural diversity and cohesion (2011); social and economic policy and development (2013); and medical anthropology (2015). The medal is awarded to the researcher who, working within New Zealand, has undertaken work of great merit and has made an outstanding contribution towards the advancement of the particular area of social science.

Other significant achievements during the period include Professor Jacques Poot’s success, with a team of colleagues from several European countries, in an application for funds from NORFACE, a consortium of national research councils for European countries. Only 12 of the 240 bids for funds were successful. The four year project on Migrant Diversity and Regional Disparity in Europe is outlined briefly later in this report. Jacques has also been appointed a Research Fellow at IZA, the Institute for the Study of Labour in Bonn. IZA is the world’s best-known research centre and network among labour economists.

Staff movements
Three new staff have been appointed to the PSC: Professor Natalie Jackson (University of Tasmania), who will assume the role of Director of the Centre in February 2010; Tahu Kukutai (Stanford University), who has been appointed as a Senior Research Fellow; and Dr Yaghoob Foroutan (University of Mazandaran, Iran), who will take up a postdoctoral fellowship. All three will arrive in January 2010.

Two staff have relinquished their positions: Professor Ian Pool retired in June after 30 years at the University of Waikato, and Associate Professor Elsie Ho moved in August to a new position as Director of the Population Mental Health programme at the University of Auckland’s School of Population Health. Both Ian and Elsie remain linked to the PSC as Research Associates.

In June 2009 Bill Cochrane, a researcher in the Population Studies Centre writing a PhD on regional labour market dynamics was appointed to a lectureship in the Department of Societies and Cultures. He remains an Associate of the Population Studies Centre.
Major Conference Contributions

At the international level, staff and postgraduate students at the PSC were involved in four major international conferences: the 19th World Congress of the International Association of Gerontology and Geriatrics in Paris, 5-9 June; the 14th International Metropolis Conference in Copenhagen, 14-18 September; the 24th Conference of the International Union for the Scientific Study of Population (IUSSP) in Marrakech, 27 September-2 October; and the Swedish Presidency of the European Union Conference in Malmö, 15-16 October.

At the national level the two main conferences during the period were: the Population Association of New Zealand’s Biennial Conference, Wellington, 31 August-1 September; and the Pathways, Conference, International Migration in Uncertain Times, Wellington, 2-4 November.

19th World Congress of the International Association of Gerontology and Geriatrics

Around 2,400 participants were attracted to this major international conference for researchers, policy makers and other stakeholders concerned with older people. It provided an excellent opportunity to present some of the findings from the EWAS project to an international audience. Dr Suzan van der Pas presented a paper on the impact of migration of children on the loneliness of older parents in New Zealand, as well as presenting a poster, prepared by Professor Peggy Koopman-Boyden and Sarah Reid on the policy implications of internet/email usage and wellbeing among 65-84 year olds in New Zealand.

Dr Hilary Arskey, who visited the University of Waikato in November 2008 from the Social Policy Research Unit at the University of York, presented a poster on a joint paper with Peggy Koopman-Boyden on community-based programmes for older people in England and New Zealand. Charles Waldegrave and Peter King from the Family Centre Social Policy Research Unit presented papers in a symposium they had organised with colleagues from Ireland on living standards and wellbeing among older people.

14th International Metropolis Conference

The Population Studies Centre was represented at this conference in Copenhagen by Professor Jacques Poot. The conference theme was Migration and Mobility: National Responses to Cultural Diversity and the conference attracted around 600 participants. Jacques was an invited speaker at the conference workshop on “Measuring the impacts of immigrant economic and social integration” and was organised by Franca Piccin, who is the Policy Manager of the Foreign Credentials Recognition Program of Human Resources and Skills Development Canada.

The focus of the workshop was on workplace initiatives to maximise the contribution that foreign professionals can make to local enterprises. This fits in well with current research by Jacques Poot and PSC Adjunct Professor Steven Stillman on the problem of a mismatch between the skills of some immigrants and their qualifications, i.e., the extent to which some immigrants are overqualified (or sometimes underqualified) for the jobs they do. This research is conducted as part of the 2007-2012 Integration of Immigrants Programme (IIP) funded by FRST. IIP is led by Professor Paul Spoonley of Massey University who was also at Metropolis and organised, jointly with Erin Tolley of Queen’s University, a workshop on “Social Cohesion in a Comparative Context: diverse societies, divergent approaches”, in preparation for a book on this topic. The panelists at this workshop included IIP co-ordinator Dr Carina Meares of Massey University and Rob Hodgson of the NZ Department of Labour, who is also enrolled part-time at Waikato University as a PhD student, with supervisors Jacques Poot, Dave Maré and Steve Stillman.

24th IUSSP Conference

The IUSSP has its major international conferences every four years. The Marrakech conference attracted around 2,500 participants and PSC members Professor Ian Pool, Professor Jacques Poot and Dr Michael Cameron were actively involved in presentations. Ian Pool was discussant at two of the conference’s sessions on demographic transition and the Millennium Development Goals, and on Latin American demography, while Michael Cameron and Jacques Poot presented a paper on sub-national stochastic population projections in a context of highly volatile international migration. Two of the new staff of the PSC, Professor Natalie Jackson and Dr Yaghoob Foroutan were also active participants in the IUSSP conference.

Swedish Presidency of the European Union Conference

The Swedish Ministry of Justice organised a conference entitled Labour Migration and its Development Potential in the Age of Mobility at Malmo, Sweden. Representatives from governments across the European Union were present, as well as senior members of the European Commission in Brussels. Professor Richard Bedford was an invited speaker at one of the two conference round tables addressing particular dimensions of labour mobility. His presentation was on the concept of circular migration in a roundtable addressing the development potential of this form of mobility. Professor Klaus Zimmermann, Director of the Institute for the Study of Labour (IZA) (see earlier reference to Jacques Poot’s appointment as Research Fellow at IZA) was also a contributor to this roundtable, addressing the theme of a circular migration regime in the context of the future development of Europe’s labour markets.

Population Association of New Zealand Biennial Conference 2009

All members of the PSC staff presented papers at the PANZ Biennial Conference 2009 with its theme Distinct Communities, Diverse Populations, Different Futures: Towards 2030. This conference was originally scheduled to be held in Hamilton, but anticipated difficulties with accessing funding for travel by members of Government Departments because of the economic recession made it prudent to run the conference in Wellington. Members of the PSC contributed or were co-authors of 13 papers presented at the PANZ Conference, including a keynote address by Professor Richard Bedford on the impact of the economic recession on international migration in New Zealand. These contributions are detailed in the list of conference presentations below.

Pathways, Circuits and Crossroads Conference 2009

The annual conference that the PSC organises in association with the Department of Labour on research relating to international migration, population change and community dynamics was held at Te Papa between 2-4 November. Monash University’s Institute for the Study of Global Movements was also a sponsor of this conference, as were the FRST-funded programmes “Strangers in Town” (University of Waikato) and “Integration of Immigrants” (Massey University) programmes. The focus of this year’s conference which was opened by the Minister of Immigration, the Hon Dr Jonathan Coleman, was International Migration in Uncertain Times and the programme attracted over 250 registrations from researchers, policy analysts and other groups with an interest in recent migration trends and issues. Staff and postgraduate students linked to the PSC made several contributions to this conference, and these are detailed in the list of conference presentations below. These presentations will be available at the Population Studies website from early December (www.waikato.ac.nz/wfass/populationstudiescentre/).

PSC Publications and Presentations, June to November 2009

Books and Monographs


Published Conference Proceedings


Research Reports


Conference & Seminar Presentations


Bedford, R (2009) Taking Stock: New Zealand’s population, an election and a recession. Invited presentations to the University of Waikato’s Continuing Education programme in Waihi and Thames, 8 September.


Pool, I (2009) Differing differential patterns of cohort survival on health expectancies: Maori and Non-Maori in New Zealand, late 19th century to 2006. Presentation to an academic seminar at the University of Hong Kong, Hong Kong, 24 November.


Poot, J (2009) Immigration, diversity and long-run economic impacts. Invited presentation at the Workshop on Managing Immigrant Economic Stress, 14th International Metropolis Conference, Copenhagen: Denmark, 14-18 September.

Poot, J (2009) International migration: recent changes in a long-run perspective. Invited presentation at the Workshop on Determinants and Effects of Interregional Mobility, Alghero, Sardinia, Italy, 1-3 October.


News from Monitoring and Evaluation Research Associates (MERA)

James Newell

The 2009 PANZ Biennial Conference on DVD should be in the mail to members and those who attended the 2009 conference before Christmas – all credit to Brian Osborne’s work editing the final sound files and Melanie James work on the html interface.

The main work over the last few months has been on the FRST "Missing Men" programme. There is a main programme outputs index page at: ips.ac.nz/events/completed-activities/Missing%20men/Conference%20papers.html and a full index of released material from the programme at: ips.ac.nz/events/completed-activities/Missing%20men/Missing%20men.html

Four MERA working papers have been released over the last couple of months or will be released by the time this newsletter goes out. MERA working papers can be accessed from the index page: www.mera.co.nz/Publications/WorkingPapers/workingpaperindex.htm

The papers available for download include:


MER A Working Paper 2009/04, Occupational Distribution of Maori Residents of Australia and New Zealand

News from Australian Bureau of Statistics

Overseas Arrivals and Departures (3401.0)
The September 2009 issue of Overseas Arrivals and Departures, Australia (cat. no. 3401.0) was released on 6 November 2009. It comprises a summary of monthly movement data by category of travel. The main focus of this publication is on the movements of short-term visitor arrivals and short-term resident departures but also includes information on permanent and long-term travel. It provides data on the country of usual residence (arrivals) and the principal destination (departures) as well as the intended length of stay and the main reason for journey.

Indigenous Experimental Estimates & Projections (3238.0)
Experimental Estimates and Projections, Aboriginal and Torres Strait Islander Australians, 2006 to 2021 (cat. no. 3238.0) was released on 8 September 2009. This product contains experimental estimates and projections of the Aboriginal and Torres Strait Islander (Indigenous) population of Australia and the states and territories for 30 June 1991 to 30 June 2021, based on the 2006 Census of Population and Housing.

Release of Births, Australia, 2008 (3301.0)
Births, Australia, 2008 (cat. no. 3301.0) was released on 11 November 2009. There were 296,600 births registered in 2008, surpassing the previous record years of 2007 (285,200 births) and 1971 (276,400).

Release of Deaths, Australia, 2008 (3302.0)
Deaths, Australia 2008 (cat. no. 3302.0) was released on 25 November 2009. This product presents statistics on deaths and mortality for Australia, states and territories, and sub-state regions. Information on characteristics of the deceased include place of usual residence, age at death, sex, Indigenous status and country of birth. Information is also provided on infant deaths, life expectancy and death rates.

Recent Releases
Demography Releases
04/09/2009 Overseas Arrivals and Departures, Australia, July 2009 (cat.no.3401.0)
08/09/2009 Experimental Estimates and Projections, Aboriginal and Torres Strait Islander Australians (cat.no.3238.0)
22/09/2009 Australian Demographic Statistics, March 2009 (cat.no.3101.0)
10/10/2009 Births, Australia, 2008 (cat.no.3301.0)
25/11/2009 Deaths, Australia, 2008 (cat.no.3302.0)
25/11/2009 Life Tables, Australia, 2006-2008 (cat.no.3302.0.55.001)
25/11/2009 Life Tables, New South Wales, 2006-2008 (cat.no.3302.1.55.001)
25/11/2009 Life Tables, Victoria, 2006-2008 (cat.no.3302.2.55.001)
25/11/2009 Life Tables, Queensland, 2006-2008 (cat.no.3302.3.55.001)
25/11/2009 Life Tables, South Australia, 2006-2008 (cat.no.3302.4.55.001)
25/11/2009 Life Tables, Western Australia, 2006-2008 (cat.no.3302.5.55.001)
25/11/2009 Life Tables, Tasmania, 2006-2008 (cat.no.3302.6.55.001)
25/11/2009 Life Tables, Northern Territory, 2006-2008 (cat.no.3302.7.55.001)
25/11/2009 Life Tables, Australian Capital Territory, 2006-2008 (cat.no.3302.8.55.001)
03/12/2009 Australian Demographic Statistics, June 2009 (cat.no.3101.0)
Other Releases
31/08/2009 Marriages and Divorces, Australia, 2008 (cat.no.3310.0)
23/09/2009 Fertile Deaths, Australia, 2007 (cat.no.3304.0)
24/09/2009 Australian Social Trends, September 2009 (cat.no.4102.0)
27/11/2009 Causes of Death, Australia: Doctor Certified Deaths, Summary Tables, 2007 (cat.no.3303.0.55.001)

Upcoming Releases
07/12/2009 Overseas Arrivals and Departures, Australia (cat.no.3401.0)
09/12/2009 Population by Age and Sex, Australian States and Territories (cat.no.3201.0)
15/12/2009 Perspectives on Migrants (cat.no.3416.0)

For questions on ABS Demography statistics, please contact the ABS Demography team by emailing demography@abs.gov.au.

For general statistical and other enquiries, please contact the National Information and Referral Service on ++61 1300 135 070, or email client.services@abs.gov.au.

Population Association of New Zealand Conference

The 2009 biennial PANZ Conference was held at the Wellington Convention Centre on 31 August and 1 September 2009. The theme was ‘Distinct communities, diverse populations, different futures: Towards 2030’. It was a lively and interesting conference with a variety of papers spanning across a range of population related research and issues.

For more information on the conference including abstracts, see panz.ranz.org/?page_id=17. Conference papers listed alphabetically by surname:

Who’s homeless here?
Jo-ann Allan
Statistics New Zealand, Christchurch

How accurate are population estimates and projections?
Alan Ambury, Kim Dunstan
Statistics New Zealand, Christchurch

Why are the old so positive about their health and wellbeing?
Dr Dharmalingam Arunachalam (1), Prof Ian Pool (2)
(1) Monash University, Melbourne
(2) Population Studies Centre, University of Waikato

Strategic Issues for the 2011 Census and Beyond
Cathryn Ashley-Jones
Deputy Government Statistician, Statistics New Zealand

The future demand for paid caregivers in a rapidly ageing society
Juthika Badkar
Department of Labour, Wellington

Young people and the life course - examining relationship change using census data
Michelle Basham
Social Conditions Team, Statistics New Zealand

Mental Health Information – move towards outcomes
Sandra Baxendine
Te Pou, Hamilton

International migration in an era of increasing economic and environmental uncertainty: a New Zealand perspective
Prof Richard Bedford
Director, Population Studies Centre, University of Waikato

Sex ratios, missing men and migration
Prof Richard Bedford(1) and Dr Robert Didham(2)
(1) Population Studies Centre, University of Waikato
(2) Statistics New Zealand

Ethnicity in birth data
Bill Boddington, Dr Robert Didham
Statistics New Zealand, Christchurch

Disability and the Labour Market
Denise Brown
Statistics New Zealand, Wellington
Inter-censal Inter-ethnic Mobility in New Zealand
Paul Brown
Statistics New Zealand, Wellington

Demographic accounts for New Zealand
Dr John Bryant
Statistics New Zealand, Christchurch

Official Population Estimates: Comparison of the traditional census-based approach with systems based on population registers
Christine Bycroft
Statistics New Zealand

An undercounted undercount?
Dr Paul Callister(1), Dr Robert Didham(2), Prof Richard Bedford(3) and David Rea(4)
(1) Victoria University of Wellington
(2) Statistics New Zealand
(3) University of Waikato
(4) Ministry of Social Development

Sub-national stochastic population projection with highly volatile international migration: the case of New Zealand
Michael Cameron(1), Prof Jacques Poot(2)
(1) Department of Economics, University of Waikato
(2) Population Studies Centre, University of Waikato

Sizing a City of Mobility: Case Study of Hong Kong
Miss Chan Ka-lin
Assistant Commissioner for Census and Statistics, Census and Statistics Department, Hong Kong, China

Monitoring Māori health and ethnic disparities over time
Donna Cormack
Eru Pomare Maori Health Research Centre, Wellington School of Medical and Health Sciences

Intersecting Diasporas: Southeast Asia, New Zealand and Australia
Dr Robert Didham
Statistics New Zealand

Ethnogenesis and identity creation
Dr Robert Didham(1), Dr Paul Callister(2)
(1) Statistics New Zealand
(2) Victoria University of Wellington

The impact of job displacement on the labour market outcomes of affected workers
Sylvia Dixon (1), Steven Stillman (2)
(1) Department of Labour and Statistics New Zealand
(2) Motu Economic and Public Policy Research

Recent mortality trends and patterns: latest results from cohort and period life tables
Kim Dunstan, Simon Pang
Statistics New Zealand

Māori 2030
Prof Mason Durie
Deputy Vice-Chancellor (Māori), Massey University

Effect of language on employment and income in New Zealand
David Earle
Ministry of Education

Older and wiser: How demography informs policy
Roger Farrer
Victorian Department of Treasury and Finance, Melbourne, Australia

Family Connections of New Migrants to New Zealand - Longitudinal Immigration Survey New Zealand
Jay Fernando (1), Paul Merwood (2)
(1) Standard of Living Group, Statistics New Zealand
(2) IMSED Research, The Department of Labour

Young Asians Downtown: International Students in New Zealand’s central cities
Dr Wardlow Friesen
University of Auckland

The differences Within: Diversity in age structure between and within ethnic groups
Dr Rosemary Goodyear
Statistics New Zealand

How many is a crowd? The results of applying different measures of crowding to census data 1986-2006
Dr Rosemary Goodyear, Angela Fabian, Jane Hay
Statistics New Zealand

Migration Trends and Outlook
Claire Harkess
Department of Labour, Wellington

Population Ageing in the Pacific Islands: Emerging Trends and Future Challenges
Geoffrey Hayes
Consultant Demographer, Nelson

Where have all the skilled gone?: professional Chinese immigrants in New Zealand
Dr Anne Henderson
Palmerston North

Couple influences on fertility: Intentions, timing, and outcomes
Dr Bryndl Hohmann-Marriott
University of Otago

Who you ‘gonna call? Mission-critical skills and retirement intentions
Dr Natalie Jackson
University of Tasmania

Too early to retire? Growing participation of older New Zealanders in the Labour Force
Mansoor Khawaja, Bill Boddington
Statistics New Zealand, Christchurch

Social Relations and Connectedness among Middle Aged and Older New Zealanders
Prof Peggy Koopman-Boyden
University of Waikato

Indigenous Segmentation: Re-indigenizing Inequality in Aotearoa / New Zealand
Tahu Kukutai
Stanford University
Exploring geographical variation in adult literacy and numeracy using the New Zealand Deprivation Index
Chris Lane
Ministry of Education

Reading engagement and literacy for men and women in New Zealand
Elliot Lawes
Ministry of Education

Comparisons and complexities. An investigation into population and education datasets for New Zealand children and young people of compulsory school age
Frances Leather
Institute of Policy Studies, Victoria University of Wellington

The feminisation of the legal, medical and accounting professions – implications of demographic trends for traditional career patterns
Dr Mervyl McPherson
Equal Employment Opportunities Trust, Auckland

Demographic issues in education
Cyril Mako
Ministry of Education

Recent Trends in Permanent and Long-term Migration
Megan Murphy
Statistics New Zealand

Converging and diverging gender patterns in the accumulation of human educational capital amongst New Zealand residents
James Newell (1), Dr Paul Callister(2)
(1) Monitoring and Evaluation Research Associates Ltd, Wellington
(2) Institute for Policy Studies, Victoria University of Wellington

Changes in New Zealand urban labour market catchment geography 1991 to 2006
James Newell(1), Prof Philip Morrison(2), Bill Cochrane(3)
(1) Monitoring and Evaluation Research Associates Ltd, Wellington
(2) Victoria University of Wellington
(3) University of Waikato

Occupational Distribution of Māori Residents of Australia and New Zealand
James Newell(1), Prof Ian Pool(2)
(1) Monitoring and Evaluation Research Associates Ltd, Wellington
(2) Population Studies Centre, University of Waikato

Settlement and mobility patterns of migrants to New Zealand
Kirsten Nissen, Dr Robert Didham
Statistics New Zealand, Christchurch

A Perfect Storm: Ageing Population and an Ageing Primary Health Workforce
Shefali Pawar, Janet Amey
Pinnacle Group Ltd, Hamilton

Addressing the Big Questions about Longevity in New Zealand: Compression of Mortality and Morbidity, or Extension of Life?
Prof Ian Pool
Population Studies Centre, University of Waikato

A tale of four cities: A fond farewell to the cities and districts of the Auckland region
Alison Reid
Auckland Regional Council

The use of population statistics in planning
Jeremy Reynolds
Department of Planning and Community Development, Victoria, Australia

A concentration of experience: implications for older job seekers
Jim Rose
Department of Labour

Challenges and Opportunities in Measuring Māori Well-Being
Dr John Ryks, Darin Bishop
Te Puni Kōkiri

The Social Consequences of a Recession: Forecasting Social Outcomes in New Zealand
Conal Smith
Statistics New Zealand

Mapping Trends in the Auckland Region
Richard Speirs and Sarah Johnson
Statistics New Zealand, Wellington

Alternative methods of projecting mortality
Richard Speirs, Kim Dunstan
Statistics New Zealand

Seasonal employment patterns in the horticultural industry
Jason Timmins
Department of Labour, Wellington

Longer life, better health?
Dr Martin Tobias
Public Health Physician, Health and Disability Intelligence, Ministry of Health, Wellington

Migration paradigm shifts and transformation of migrant communities: the case of Dutch Kiwis
Dr Suzan van der Pas, Prof Jacques Poot
Population Studies Centre, University of Waikato

Status in the Staffroom: Intra-occupational indicators of teacher status in a changing workforce
Gabrielle Wall
Schools Development Officer, Ministry of Education, Christchurch

Developments in New Zealand’s Census Post-enumeration Survey
Joel Watkins
Statistics New Zealand, Christchurch

A Health Service Utilisation Based Population
Craig Wright (1), Anna Davies (2)
(1) Senior Advisor (Statistics/Epidemiology)
(2) Advisor (Epidemiology)
Health & Disability Systems Strategy Directorate, Ministry of Health
The annual meeting of several research programmes dealing with processes and policies of relevance to New Zealand’s international migration system was held on 2–4 November 2009 at Te Papa Tongarewa, the Museum of New Zealand, in Wellington. The theme was ‘International Migration in Uncertain Times’.

For more information on the conference including abstracts, see www.waikato.ac.nz/wfass/populationstudiescentre/pathways.shtml

Conference papers included:

The impacts of immigration on the receiving economy
Arthur Sweetman (Queen’s University, Canada)

The economic impacts of immigration: scenarios using a Computable General Equilibrium Model of the New Zealand economy
Ganesh Nana (BERL, presenting for Nana and K. Sanderson)

New Zealand evidence on the association between immigration and innovation
Dave Mant (Motu, presenting for Mant, R. Fabling and S. Stillman)

2005–2009 NZ research on the economic impacts of immigration: a synthesis and research agenda
Jacques Poot (University of Waikato, presenting for R. Hodgson and Poot)

Is migrant human capital fully utilised? An analysis of migrant/non-migrant differences in educational qualifications across occupations
Jacques Poot and Steven Stillman (Motu)

Settlement strategies and outcomes: the experiences of immigrant employers and employees in Auckland
Paul Spoonley, Carina Meares, Robin Peace (Massey University) and Elsie Ho (University of Auckland)

Australia’s immigration revolution and the public opinion
Andrew Markus (Monash University, Melbourne)

Neoliberalism’s global workforce: the end of a dream?
Stephen Castles (University of Sydney and University of Oxford)

Competitors and collaborators – skilled migration policy and outcomes in New Zealand, Australia and Canada
Lesleyanne Hawthorne (University of Melbourne)

Immigrant settlement experiences and discrimination drawing on LisNZ wave 1 and 2 data
Colleen Ward (Victoria University of Wellington) and Anne-Marie Masgoret (Department of Labour)

Positive Pacific immigrant and seasonal employment outcomes? Evidence from LisNZ waves 1 and 2, and the first two seasons of the RSE work policy
Richard Bedford (University of Waikato), Charlotte Bedford (University of Adelaide), Anne-Marie Masgoret, and Manuila Tausi (Department of Labour)

Housing and labour market outcomes for Australia’s immigrants: a socioeconomic analysis of the 2006 census
A Dharmalingam and Maryann Wulff (Monash University)

Temporary migrants in Australia: challenges for international students.
Danny Ong (Monash University)

RSE: A Falealili perspective
Tuatagaloa Joe Ananndale (Poutasi Village, Samoa)

RSE: a perspective from Vanuatu
Sylvie Kalmut (Department of Labour, Vanuatu)

RSE: a perspective from Tonga
Kolotia Fotu (Ministry of Labour, Commerce and Industries, Tonga)

The RSE scheme as a Pacific employment initiative: reflections on the participation of the kick-start states
Charlotte Bedford (University of Adelaide) and Ieti Lima (Pacific Research and Development Servcies Ltd)

Evaluation of the Recognised Seasonal Employer policy
Mathea Roorda (Evale Research) and Sankar Ramasamy (Department of Labour)

Impacts of seasonal migration to New Zealand on households in Samoa, Tonga and Vanuatu
John Gibson (University of Waikato) with David McKenzie (World Bank NY), Hala Rohorua (University of Waikato) and Steven Stillman (Motu)

The Paper Market: ‘borrowing’ and ‘renting’ of identity documents
Ellie Vasta (COMPAS, Oxford University)

Out of sight/out of mind: the continuing practice of warehousing asylum seekers in Indonesia
Jessie Taylor (Monash University)

Expectations and realities: a prospective study of Bhutanese quota refugees before and after arrival in New Zealand
Vasantha Krishnan and Elizabeth Plumridge (Department of Labour)

Integration, community and identity: a presentation on the Quota Refugees Ten Years On research programme
Wendy Searle and Anna Gruner (Department of Labour)

The benefits of diversity
Fezeela Raza (Office of Ethnic Affairs)

Climate change and migration in the Asia Pacific region
Graeme Hugo, University of Adelaide

Climate change, relocation and Pacific Island communities
John Campbell (University of Waikato)

Climate change and migration: listening to the people’s voices
Kathryn Paton (Victoria University of Wellington)

Vulnerability to climate change in rural Vanuatu: the role of migration in community-based adaptation
Olivia Warrick (University of Waikato)
Joining Forces on Mortality and Longevity Conference

Alison O'Connell

A multidisciplinary conference hosted by the Actuarial Profession, Edinburgh, October 2009: www.actuaries.org.uk/events/mortality2009

Actuaries work with demographic constructs, especially mortality and disability. They also use the concept of the time value of money to calculate premiums for insurance contracts, or to put a value on the future contingencies of an insurance company or pension fund. In some countries, actuaries are involved in making the national population projections alongside demographers.

Actuaries in the UK became less interested in mortality and longevity when interest rates were high in the 1980s and 1990s. The impact of the mortality assumption was not as important as what was happening with interest rates. But now interest rates are lower. Mortality rates have fallen surprisingly fast at older ages, and the longevity risk for pension funds and annuity products has increased. Actuaries have regained their interest in mortality and the amount of actuarial research on mortality is increasing. The UK's profession hosted a conference on mortality and longevity in October 2009 as part of their drive to "improve our ability to understand the past and to project the future".

The conference papers will be written up in a special edition of the British Actuarial Journal and will be well worth a read. The conference was jointly organised with a team of renowned epidemiologists and bio-gerontologists, led by Professor Tom Kirkwood of Newcastle University. Although most of the conference focused on UK data, international input was provided by Professor Kaare Christensen of the University of Southern Denmark who offered evidence on how we are ageing better at the higher ages and Professor Rudi Westendorp of Leiden University who looked at genetic predispositions for a healthy long life.

A New Zealand flavour was represented by Alison O'Connell of Victoria University of Wellington who presented a paper co-authored with Kim Dunstan of Statistics New Zealand. This paper investigated whether migrants to New Zealand from the UK's 'golden cohort', born 1923-1940, exhibit the same high rates of mortality improvement that have distinguished them from cohorts born before or since. The emergence of the longer longevity from this cohort, now at the age of collecting superannuation, has been one of the surprises of later life mortality in the UK. It is part of the rationale for the planned increase in eligibility age for the UK's public pension. The O'Connell and Dunstan analysis puts up a mirror between past and projected future mortality between the two countries. It shows cohort patterns in New Zealand's past mortality and reasons to be optimistic about increasing longevity. Both of these findings were reflected in the 2009-base revision to Statistics New Zealand's national population projections.

Two general impressions stand out from the conference. First, that there is no silver bullet to forecasting future mortality. Indeed, among the conference speakers and audience there were two camps. On the one hand, there were those who felt that any model for forecasting mortality would not be accurate if it relied purely on extrapolating past mortality trends without understanding the underlying drivers and potential surprises - as happened with the acceleration of mortality improvement at older ages. On the other, there were those who felt that models needed to become yet more sophisticated, and then underlying trends would be picked up and forecasts would become more accurate. There are certainly some sophisticated models being developed, but the multi-disciplinary approach of this conference was clearly valuable in understanding mortality trends.

Second, most of the presentations were optimistic, not just about the prospects for future longevity but also the potential for healthier longer lives. The future also looks rosy for those interested in mortality research.

Other Publications, Papers, Resources & Activities

Department of Labour (www.dol.govt.nz/News/recentpublications.asp)
Recent publications:
- Workplace Health and Safety Snapshot report
- Life in New Zealand: Settlement Experience of Skilled Migrants – Results from the 2008 Survey
- External Migration Factsheet - October 2009
- Regional Industry Tool 2009
- Labour Market Update - November 2009
- Labour market outcomes following education and training
- Workplace Productivity Projects - Evaluation Report
- Key Information Tool (KIT)
- Looking Back and Building Futures: Former Refugees' Views on Settling in New Zealand
- Joint MSD/DoL Quarterly Regional Labour Market Reports 2009-11-05
- Employment and Unemployment - September 2009
- Labour Market Factsheets - September 2009
- Economic Impacts of Immigration: Scenarios using a Computable General Equilibrium Model of the New Zealand Economy
- Department of Labour Annual Report 2008/09
- New Zealand Income Survey - June 2009 Quarter
- Temporary workers and their employment outcomes
- Identifying the Resilience of the New Zealand Workforce in a Recession
- Economic Growth - June 2009 Quarter

Ministry of Education (www.educationcounts.govt.nz)

Ministry of Health (www.moh.govt.nz/publicationsbydate)


Royal Society of New Zealand (www.royalsociety.org.nz/Site/publish/Journals/kotuitui)
Kotuitui: New Zealand Journal of Social Sciences Online
4(1), Feb 2009, special issue: Work and well-being in New Zealand

Asia New Zealand Foundation (www.asianz.org.nz/our-work/knowledge-research)

Institute of Policy Studies, Victoria University (ips.ac.nz)

Centre for Applied Cross-Cultural Research, Victoria University (www.victoria.ac.nz/cacr)

EEO Trust (www.eeotrust.org.nz/research)
Recent research reports:
- People management in tough economic times: Employers' responses to recession
- Workplace age and gender: Trends and implications
### Forthcoming Conferences, Meetings and Events

**2009**
10–11 Dec  The Ethical Foundations of Public Policy
Victoria University of Wellington
Registrations by email to: ips@vuw.ac.nz

2010
Te Papa, Wellington

15–17 Apr  Population Association of America
Dallas, Texas

28–30 Apr  Joint Eurostat/UNICE Work Session on Demographic Projections
Lisbon, Portugal

6–9 Jul  Australian Population Association
Gold Coast

12–16 Jul  International Geographical Union (IGU)/UIG Regional Conference 2010:
Bridging Diversity in a Globalising World
Tel Aviv, Israel

Useful websites for information on other population-related conferences and events:
- British Society for Population Studies [www.lse.ac.uk](http://www.lse.ac.uk)
- European Association for Population Studies [www.eaps.nl/index.html](http://www.eaps.nl/index.html)
- International Metropolis Project [international.metropolis.net/index_e.html](http://international.metropolis.net/index_e.html)
- Conferences in USA [www.bgsu.edu/organizations/cfdr/page36287.html](http://www.bgsu.edu/organizations/cfdr/page36287.html)
- Conferences in social sciences, arts and humanities [www.intute.ac.uk/conferences/](http://www.intute.ac.uk/conferences/)

### Statistics New Zealand Jacoby Prize

The Statistics New Zealand Jacoby Prize is awarded by PANZ for the best essay on a population topic written during a course of university study. The competition is open to university students throughout New Zealand and the essays are submitted in the form they were presented during the course of study.

**Entries for the 2010–11 competition are invited**

The prize is a year’s subscription to PANZ and publication of the winning essay in the *New Zealand Population Review*. In addition, Statistics New Zealand will provide the winner with a cash prize of $400, and a copy of the latest New Zealand Official Yearbook.

Papers can be sent to the co-editor of the *New Zealand Population Review* at the following address:
Arvind Zodgekar
School of Social & Cultural Studies
Victoria University of Wellington
PO Box 600
Wellington

Emails: [zodgekar@paradise.net.nz](mailto:zodgekar@paradise.net.nz)
The day-to-day affairs of the Association are conducted by the members of the Council, who come from various parts of New Zealand, and work within a variety of organisations dealing with population issues. Recent councils have comprised individuals working in central government departments, various departments within universities, area health boards, and local and regional councils.

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Contact Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Denise McGregor</td>
<td>Manager, Population Statistics Statistics New Zealand PO Box 2922 Wellington Phone: (04) 931 4303 Email: <a href="mailto:denise.mcgregor@stats.govt.nz">denise.mcgregor@stats.govt.nz</a></td>
</tr>
<tr>
<td>Vice President &amp; Secretary</td>
<td>Alison Reid</td>
<td>Strategic Policy Analyst Auckland Regional Council Private Bag 92012 Auckland Phone: (09) 366 2000 x8159 Email: <a href="mailto:alison.reid@arc.govt.nz">alison.reid@arc.govt.nz</a></td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>Cyril Mako</td>
<td>Team Leader, Reporting Data Management Unit Ministry of Education PO Box 1666 Wellington Phone: (04) 463 8225 Email: <a href="mailto:cyril.mako@minedu.govt.nz">cyril.mako@minedu.govt.nz</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Peter Himona</td>
<td>Senior Analyst, Strategic Projects Māori Health Directorate Ministry of Health PO Box 5013 Wellington Phone: (04) 460 4916 Email: <a href="mailto:peter_himona@moh.govt.nz">peter_himona@moh.govt.nz</a></td>
</tr>
<tr>
<td>Ward Friesen</td>
<td>Ward Friesen</td>
<td>Senior Lecturer, School of Geography and Environmental Science University of Auckland Private Bag 92019 Auckland Phone: (09) 373 7599 ext 88612 Email: <a href="mailto:w.friesen@auckland.ac.nz">w.friesen@auckland.ac.nz</a></td>
</tr>
<tr>
<td>James Newell</td>
<td>Director, MERA (Monitoring and Evaluation Research Associates Ltd.) PO Box 2445 Wellington Web Site: <a href="http://www.mera.co.nz">www.mera.co.nz</a> Phone: (04) 499 8438 Email: <a href="mailto:jnewell@mera.co.nz">jnewell@mera.co.nz</a></td>
<td></td>
</tr>
<tr>
<td>Mansoor Khawaja</td>
<td>Principal Demographer Statistics New Zealand Private Bag 4741 Christchurch Phone: (03) 964 8794 Email: <a href="mailto:mansoor.khawaja@stats.govt.nz">mansoor.khawaja@stats.govt.nz</a></td>
<td></td>
</tr>
<tr>
<td>Kim Dunstan</td>
<td>Senior Demographer, Population Statistics Statistics New Zealand Private Bag 4741 Christchurch Phone: (03) 964 8330 Email: <a href="mailto:kim.dunstan@stats.govt.nz">kim.dunstan@stats.govt.nz</a></td>
<td></td>
</tr>
<tr>
<td>Sarah Johnson</td>
<td>Statistical Analyst, Social Conditions Statistics New Zealand PO Box 2922 Wellington Phone: (04) 931 4770 Email: <a href="mailto:sarah.johnson@stats.govt.nz">sarah.johnson@stats.govt.nz</a></td>
<td></td>
</tr>
<tr>
<td>Anne Henderson</td>
<td>Statistical Analyst, Population Statistics Statistics New Zealand PO Box 2922 Wellington Phone: (04) 931 4576 Email: <a href="mailto:anne.henderson@stats.govt.nz">anne.henderson@stats.govt.nz</a></td>
<td></td>
</tr>
<tr>
<td>Brian Osborne</td>
<td>Researcher, Strategy &amp; Development Waitakere City Council Private Bag 93109 Henderson Phone: (09) 836 8000 x8757 Email: <a href="mailto:brian.osborne@waitakere.govt.nz">brian.osborne@waitakere.govt.nz</a></td>
<td></td>
</tr>
</tbody>
</table>

Editors

New Zealand Population Review: Arvind Zodgekar (with assistance from Ward Friesen) Email: zodgekar@paradise.net.nz

PANZ Newsletter: Kim Dunstan (with assistance from Cyril Mako) Email: kim.dunstan@stats.govt.nz

PANZ website: panz.rsnz.org
### PANZ Membership

**Existing members:**  
A reminder to pay your annual subscription if you haven’t already. If unsure of your financial status, you can check by contacting the Treasurer.

**New members are very welcome.**

**Membership provides:**  
- Subscription to the Association’s publications, including the *New Zealand Population Review*
- Access to a network of individuals and organisations interested and active in population matters  
- Opportunity to contribute and participate in the Association’s activities, including a biennial conference (the next in 2011).

**Membership fees (for the 2009/2010 year):**  
- Ordinary Member: $45.00*  
- Associate Member (students and unwaged): $20.00*  
- Publication Member (libraries & other orgs within NZ): $65.00  
- Publication Member (libraries & other orgs overseas): $100.00  
- Corporate Member: $100.00  

* A discount of $5 off this amount if subscription is paid by 31 May of membership year.

**To Join:**  
Complete the membership details below, attach payment, and post to:  
The Secretary  
PANZ  
P O Box 225  
WELLINGTON

### New Zealand Demographic Indicators

#### Compiled by Population Statistics Unit, Statistics New Zealand

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated resident population at 30 June</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>2,070,800</td>
<td>2,092,200</td>
<td>2,117,500</td>
</tr>
<tr>
<td>Female</td>
<td>2,157,600</td>
<td>2,176,700</td>
<td>2,196,300</td>
</tr>
<tr>
<td>People</td>
<td>4,228,350</td>
<td>4,268,900</td>
<td>4,315,000</td>
</tr>
<tr>
<td>Under 15 years (number)</td>
<td>888,400</td>
<td>889,400</td>
<td>891,200</td>
</tr>
<tr>
<td>Under 15 years (percent)</td>
<td>20.8</td>
<td>20.7</td>
<td>20.7</td>
</tr>
<tr>
<td>15–64 years (number)</td>
<td>2,813,200</td>
<td>2,841,000</td>
<td>2,872,000</td>
</tr>
<tr>
<td>15–64 years (percent)</td>
<td>66.5</td>
<td>66.5</td>
<td>66.5</td>
</tr>
<tr>
<td>15–39 years (number)</td>
<td>1,471,000</td>
<td>1,473,800</td>
<td>1,484,000</td>
</tr>
<tr>
<td>15–39 years (percent)</td>
<td>34.8</td>
<td>34.6</td>
<td>34.4</td>
</tr>
<tr>
<td>40–64 years (number)</td>
<td>1,342,200</td>
<td>1,369,500</td>
<td>1,392,000</td>
</tr>
<tr>
<td>40–64 years (percent)</td>
<td>31.7</td>
<td>32.1</td>
<td>32.0</td>
</tr>
<tr>
<td>65+ years (number)</td>
<td>528,700</td>
<td>537,900</td>
<td>552,600</td>
</tr>
<tr>
<td>65+ years (percent)</td>
<td>12.5</td>
<td>12.6</td>
<td>12.6</td>
</tr>
<tr>
<td>Median age (years)</td>
<td>36.1</td>
<td>36.3</td>
<td>36.5</td>
</tr>
<tr>
<td>Sex ratio (males/100 females)</td>
<td>96.0</td>
<td>96.1</td>
<td>96.3</td>
</tr>
<tr>
<td>Annual growth rate (percent)</td>
<td>1.0</td>
<td>1.0</td>
<td>1.1</td>
</tr>
<tr>
<td>Vital and migration statistics, year ended 30 June(1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Live births</td>
<td>61,612</td>
<td>64,145</td>
<td>62,964</td>
</tr>
<tr>
<td>Stillbirths</td>
<td>390</td>
<td>359</td>
<td>411</td>
</tr>
<tr>
<td>Neat births</td>
<td>32,536</td>
<td>33,590</td>
<td>32,431</td>
</tr>
<tr>
<td>Ex-neat births</td>
<td>29,076</td>
<td>30,595</td>
<td>30,533</td>
</tr>
<tr>
<td>Deaths</td>
<td>28,462</td>
<td>28,690</td>
<td>28,961</td>
</tr>
<tr>
<td>Natural increase</td>
<td>33,150</td>
<td>35,405</td>
<td>34,003</td>
</tr>
<tr>
<td>Permanent and long-term migration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arrivals</td>
<td>82,700</td>
<td>89,239</td>
<td>88,251</td>
</tr>
<tr>
<td>Departures</td>
<td>72,622</td>
<td>80,507</td>
<td>75,736</td>
</tr>
<tr>
<td>Net migration</td>
<td>10,078</td>
<td>4,732</td>
<td>12,515</td>
</tr>
<tr>
<td>Total passenger movements(2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arrivals</td>
<td>4,459,731</td>
<td>4,575,830</td>
<td>4,435,459</td>
</tr>
<tr>
<td>Departures</td>
<td>4,449,355</td>
<td>4,543,201</td>
<td>4,415,306</td>
</tr>
<tr>
<td>Demographic indices, year ended 30 June(3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crude birth rate (births per 1,000 mean population)</td>
<td>14.6</td>
<td>15.1</td>
<td>14.7</td>
</tr>
<tr>
<td>Total fertility rate (births per woman)</td>
<td>2.09</td>
<td>2.18</td>
<td>2.14</td>
</tr>
<tr>
<td>Crude death rate (deaths per 1,000 mean population)</td>
<td>6.8</td>
<td>6.7</td>
<td>6.7</td>
</tr>
<tr>
<td>Infant mortality rate (deaths under one year per 1,000 live births)</td>
<td>5.0</td>
<td>5.4</td>
<td>4.6</td>
</tr>
<tr>
<td>Median age of women having a baby (years)(2)</td>
<td>30.2</td>
<td>30.0</td>
<td>29.9</td>
</tr>
<tr>
<td>Vital statistics, year ended 31 December(4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marriages</td>
<td>21,494</td>
<td>21,948</td>
<td>..</td>
</tr>
<tr>
<td>Dissolves</td>
<td>9,650</td>
<td>9,713</td>
<td>..</td>
</tr>
<tr>
<td>Induced abortions</td>
<td>18,382</td>
<td>17,940</td>
<td>..</td>
</tr>
<tr>
<td>Demographic indices, year ended 31 December(5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life expectancy at birth (years of life)(2)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>78.2</td>
<td>..</td>
<td>..</td>
</tr>
<tr>
<td>Female</td>
<td>82.2</td>
<td>..</td>
<td>..</td>
</tr>
<tr>
<td>Difference (female – male)</td>
<td>4.0</td>
<td>..</td>
<td>..</td>
</tr>
<tr>
<td>General marriage rate (marriages per 1,000 not-married population aged 16+ years)</td>
<td>13.6</td>
<td>13.7</td>
<td>..</td>
</tr>
<tr>
<td>Divorce rate (dissolves per 1,000 existing marriages)</td>
<td>11.3</td>
<td>11.3</td>
<td>..</td>
</tr>
<tr>
<td>General abortion rate (abortions per 1,000 women aged 15–44 years)</td>
<td>20.1</td>
<td>19.7</td>
<td>..</td>
</tr>
<tr>
<td>Median age at marriage (years)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>32.5</td>
<td>32.5</td>
<td>..</td>
</tr>
<tr>
<td>Female</td>
<td>30.2</td>
<td>30.2</td>
<td>..</td>
</tr>
<tr>
<td>Median age at divorce (years)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>44.3</td>
<td>44.5</td>
<td>..</td>
</tr>
<tr>
<td>Female</td>
<td>41.6</td>
<td>41.9</td>
<td>..</td>
</tr>
<tr>
<td>Median age of women having an abortion (years)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>24.5</td>
<td>24.3</td>
<td>..</td>
</tr>
</tbody>
</table>

(1) All data are based on the resident population concept and refer to events registered in New Zealand during the given period.  
(2) Includes the short-term (less than 12 months) movement of overseas and New Zealand residents, as well as permanent and long-term migration.  
(3) Based on live confinements, or births, which are pregnancies resulting in at least one live birth.  
(4) Abridged period life tables for 2006-08.  
(5) Abridged period life tables for 2006-08.  

Note: Due to rounding, individual figures may not always sum to the stated total(s).  
Symbol: .. not available