

# Indicators for Change

Tracking the progress of New Zealand Women



  
MINISTRY OF WOMEN'S AFFAIRS  
MINITATANGA MŌ NGĀ WĀHINE



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# Introduction

The last forty years have seen enormous changes in women's roles in society. Women have entered new areas of education and paid work and more women are now participating in the workforce than ever before. Attitudes towards women and families have changed, and women now have many more options for how they live their lives than in the past. In some areas, women have made a large amount of progress. For example, the gap between men's and women's earnings has decreased significantly since the 1970s.

While progress has been made, the obstacles to achieving gender equity that remain are often those that are most difficult to address. These challenges include how to value the significant contribution that women make through their unpaid work, address the potential under-valuing of female-dominated occupations, eliminate violence against women, and ensure women have access to equal opportunities in those areas of the workforce where they are still poorly represented. These goals by their nature may take some time to achieve.

While it may take many years to reach these goals, monitoring of progress allows us to identify areas which may require a stronger focus and adjust our efforts accordingly.

## The purpose of this report

*Indicators for Change: Tracking the progress of New Zealand women (Indicators for Change)* uses indicators to provide information on the current social and economic status of women.

The purpose of the report is to provide government policy makers and planners with a way to track progress towards achieving the high-level outcomes through the *Action Plan for New Zealand Women* (the *Action Plan*), and identify areas where more work may be needed. The report sets a baseline against which progress can be measured in the future.

While the indicators are intended to track progress towards achieving the *Action Plan's* goals, they are also expected to have a life beyond the current *Action Plan*, which has a timeframe of five years. It is envisaged that additional indicators will be added in the future as new data sources become available.

## The role of the indicators

Indicators help monitor progress towards desired outcomes across a system. They can measure outcomes at the level of society, a system, a particular government service, or for a particular issue.

The indicators featured in this report have been selected to measure a range of areas that contribute to the major goals of the *Action Plan*. These are to:

- improve the economic independence of women (economic sustainability)
- achieve greater work-life balance for families (work-life balance)
- improve the quality of life of New Zealand women (well-being).

The purpose of these indicators is not to measure performance in relation to accountabilities. The indicators are designed to measure outcomes at a high level, for the purpose of understanding how well women are doing overall.



There are many possible areas where outcomes for women could be tracked. As with most indicator sets, the approach taken in *Indicators for Change* is to provide a set of indicators that act as a 'dashboard'. The indicators are not intended to cover all areas where monitoring is possible. Rather, they provide us with particular parts of the picture, which need to be understood in context. The selected indicators are intended to:

- give an overall snapshot of how women, or particular groups of women, are doing
- focus on some areas where women are not doing so well
- include some areas that are significant for women, but are not a focus of other monitoring reports
- provide a 'gender angle' that complements and expands on monitoring from other reports, such as *The Social Report* ([www.socialreport.msd.govt.nz/](http://www.socialreport.msd.govt.nz/)).

Of course, measurement alone will not lead to improvement in outcomes. It is hoped, however, that the report will provide policy makers with a clearer understanding of the areas where changes may be necessary for improvements in outcomes to occur.

## The Action Plan for New Zealand Women and the monitoring indicators

### The Action Plan for New Zealand Women

Launched in 2004, the *Action Plan* is a whole-of-government plan to improve the circumstances of women in New Zealand.

Women make up just over half of our population, and a wide variety of factors impact on how well women are doing. As a result, no one government agency is responsible for women's outcomes. The *Action Plan* provides a means of co-ordinating the efforts of a range of agencies in relation to different areas, such as health, education, employment, and safety.

### How do the indicators link with the Action Plan?

Each indicator is linked to at least one of the three goals of the *Action Plan*. In order to select the indicators, we identified a number of intermediate outcomes that would need to occur in order for the three high-level goals of the *Action Plan* (noted above) to be achieved. We then identified available data measures that could illustrate aspects of these intermediate outcomes.

The table below outlines the outcomes sought in each area of the *Action Plan* and the related indicators.

**Table 1: Linking the indicators with the Action Plan goals**

Action Plan goals	Indicators
<b>Well-being</b>	
New Zealand women enjoy a quality of life that allows them to achieve desired well-being	<ul style="list-style-type: none"> <li>• Health expectancy</li> <li>• Self-reported health status</li> <li>• Access to health services</li> <li>• Educational attainment</li> <li>• Participation in tertiary education</li> <li>• Victimization rates</li> <li>• Concern about crime</li> <li>• Workplace injury claims</li> <li>• Representation of women in leadership roles</li> </ul>

Action Plan goals	Indicators
<b>Economic sustainability</b>	
New Zealand women can attain economic independence	<ul style="list-style-type: none"> <li>• Educational attainment</li> <li>• Participation in tertiary education</li> <li>• Joblessness</li> <li>• Median hourly earnings</li> <li>• Weekly income</li> <li>• Access to early childhood education</li> </ul>
<b>Work-life balance</b>	
Women can attain their preferred work-life balance	<ul style="list-style-type: none"> <li>• Total work time</li> <li>• Access to early childhood education</li> </ul>

A number of criteria were also used in selecting the indicators. These were that the indicators should be:

- measurable
- interpretable
- based on statistically-robust data
- from a data source that is expected to be repeated at regular intervals
- able to be disaggregated to smaller groups of women.

### Disaggregation

As well as tracking how outcomes for women compare with outcomes for men and change over time, it is also important to track whether some sub-populations of women are experiencing poorer outcomes than others. In many cases, the average for women can disguise wide variation in how well women are doing. In order to improve outcomes for all women, it is important to identify whether there is wide variation, and for which groups of women the outcomes are poorer.

Wherever possible, the indicators in this report have been disaggregated by ethnicity and age, as well as gender. For some indicators, data is broken down by other factors related to variation in outcomes. For example, disaggregating health indicators by socio-economic status reveals wide variation in the health of women.

Unfortunately, for most indicators the data sources do not enable us to report on outcomes for disabled women or women from smaller ethnic groups, either because this data is not collected or because sample sizes for surveys are not large enough to provide robust data on smaller groups.

### Updating the indicators

It is intended that the indicators used in this report will be updated as new information becomes available. Information is drawn from a number of sources that vary in how often new data is collected. For some indicators, such as those that draw on data from the Household Labour Force Survey, new data will be available each year. For others, such as the Time Use Survey or indicators sourced from the New Zealand Census of Population and Dwellings, new data will only be available every five to ten years.

### **Areas for future indicators and gaps**

There are some areas of women's well-being where no sufficiently robust data source currently exists that could be used as the basis of an indicator. For some of these areas, data will become available over the next few years as new data sources become available. Some of the areas where indicators may be added in the future include:

- social connectedness (for example, feelings of isolation and barriers to social contact)
- satisfaction with work-life balance and leisure time
- access to Out of School Services.

### **Structure of the report**

This report is divided into three sections. The first section, Highlights, provides a summary of how women are doing across all the indicators.

The second section, a Profile of Women in New Zealand, provides demographic and contextual information on the size and composition of the population of women in New Zealand. This information compares women with men, as well as showing differences between groups of women.

The third section provides more comprehensive information on each indicator, and is divided into the three areas of the *Action Plan*: well-being, economic sustainability, and work-life balance.

# Highlights

- How are women doing overall?
  - Well-being
  - Economic sustainability
  - Work-life balance
- How are Māori and Pacific women doing?



## How are women doing overall?

### Well-being

*Women have better overall health outcomes than men, on average, and health expectancy is improving for both men and women.*

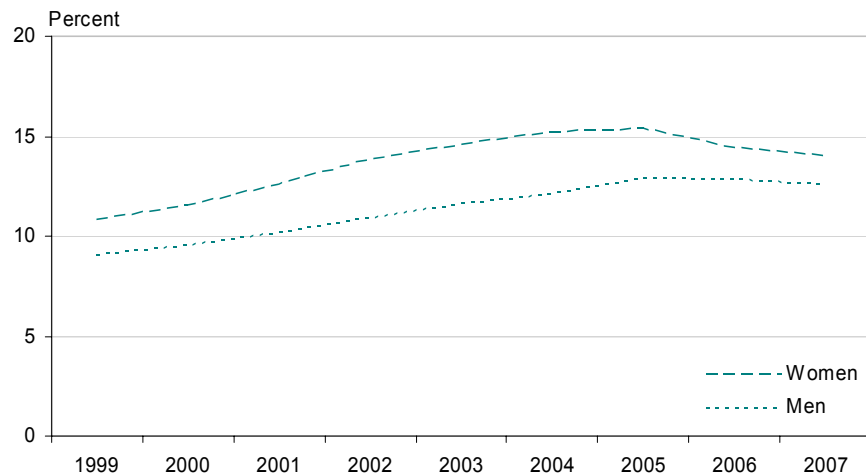
Women experience better overall health outcomes than men on average. Women can expect to live in good health for longer than men (69.2 years compared with 67.5 years for men) and more women than men report that they consider their health to be very good or excellent. Both genders have seen improvements in mortality and disability over the last ten years.

Women are more likely than men to be unable to access a GP due to cost, lack of transport or lack of childcare. These barriers are, however, becoming less common.

*Women's participation in tertiary education has increased significantly since 1999 and women and men now have similar qualification levels.*

Women and men now have similar qualification levels overall. Over the last ten years there has been a significant increase in women's participation in tertiary education, and younger women are now more likely to hold a tertiary qualification than young men.

**Figure 1: Participation in tertiary education, by gender, 1999-2007**



Source: Ministry of Education

*Women remain under-represented in leadership positions, particularly in the private sector.*

Although women now make up almost half of the workforce, women remain under-represented in leadership and governance positions.

Women's representation in leadership positions is relatively high on district health boards (44 percent female) and state sector boards (42 percent female) and is lower in parliament (33 percent female) and the judiciary (26 percent). Women's representation in leadership positions is particularly low in the private sector, where women make up 8.7 percent of board members of New Zealand Stock Exchange (NZSX) top 100 companies.

*Partner and sexual violence continue to affect a significant number of women.*

While women as a group are enjoying better than average health outcomes and improved education outcomes, violence continues to impact on the lives of women.

Overall, women and men are equally likely to be victims of a crime. Women are, however, more likely to be victims of partner and sexual offences, while men are more likely to be victims of confrontational offences committed by strangers.

While the proportion of women who were victims of a partner offence in 2005 was only slightly higher than that of men (7 percent compared with 6 percent), the number of partner offences as a percentage of the population was considerably higher for women (26 percent compared with 18 percent for men). This means that those women who are victims are victimised more often than men.

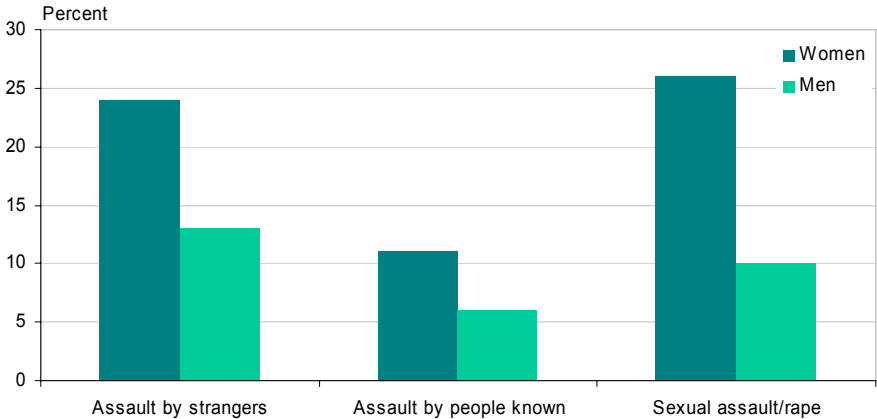
*Women are much more likely than men to be murdered by a family member.*

More women than men are victims of family-violence related murders. During the period 2000 to 2004 (inclusive), 54 women were murdered by a man with whom they had a domestic relationship. Three men were murdered by a woman with whom they had a domestic relationship.\*

*A large number of women report that fear of crime has a significant impact on their quality of life.*

Concern about crime has a greater impact on the lives of women than men. In 2005, 45 percent of women reported that fear of crime had a moderate or high impact on their quality of life, compared with 34 percent of men. Women are particularly concerned about inter-personal violence, and especially sexual violence. Over 25 percent of women are very worried about being a victim of sexual violence.

**Figure 2: People ‘very worried’ about victimisation, by gender, 2005**



Source: Ministry of Justice

Women are less likely than men to have an accident at work. This reflects differences in the industries where women and men work. Men are more likely to work in those industries where workplace injuries are most common.

\* Note these statistics are not official New Zealand Police statistics, they were obtained from data relating to cases investigated as homicide and as such are provisional.

## Economic sustainability

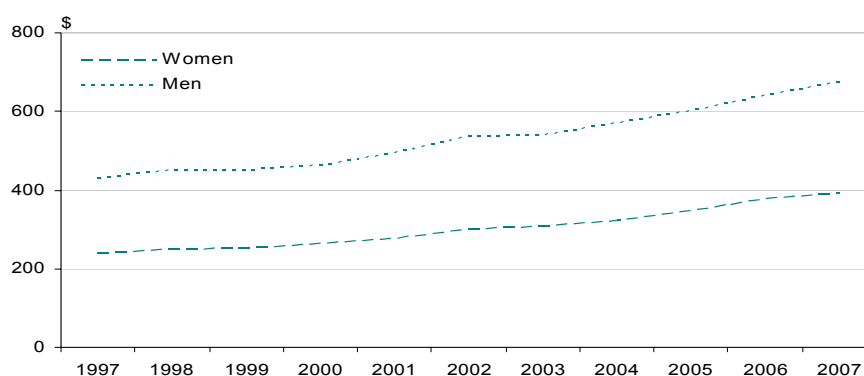
*The long-term trend is towards improved economic outcomes for women....*

*...but women continue to experience poorer economic outcomes than men, on average.*

Over the long-term, economic outcomes for women have improved considerably. This can be attributed partly to the increase in women's participation in higher education seen since the 1980s. There are more women in the paid labour force than ever before, and jobless rates are low by historical standards.

Women continue, however, to experience poorer economic outcomes than men, on average. The median weekly total income of women was 42 percent lower than that of men in 2007, and women are much less likely to receive high incomes. This reflects the combination of women being less likely to be in paid work, more likely to work part-time, and earning less per hour worked.

**Figure 3: Median weekly total incomes, by gender, 1997-2007**



Source: Statistics New Zealand

In retirement, however, women and men have similar total incomes, reflecting the large proportion of retirement income provided by New Zealand Superannuation.

*The differences between women's and men's incomes reflect the larger share of unpaid work, and in particular caring work, done by women.*

*On average, women continue to earn around 12 percent less than men per hour.*

*Progress on narrowing the pay gap appears to be slowing.*

The differences in women's and men's employment patterns and total incomes reflect the larger share of unpaid work, and in particular caring work, done by women. Women and men spend a similar amount of time working, but 70 percent of women's work is unpaid, compared with 40 percent of men's.

The contribution women make to New Zealand through their greater role in caring is highly significant. In 2001 the value of unpaid work in New Zealand was estimated at \$40 billion, with women contributing 64 percent of the total value.<sup>1</sup>

There continues to be a 'pay gap' between men and women of around 12 percent. That is, women on average earn 12 percent less per hour worked than men.<sup>†</sup>

While the pay gap has narrowed over the long-term, it has remained more or less stable at around 12 percent since 2001. The gap between men's and women's incomes also narrowed by only 2 percentage points between 1997 and 2007.

<sup>†</sup> Information from reviews in the Public Service, undertaken as part of the New Zealand Pay and Employment Equity Plan of Action, indicates that the gender pay gap ranged from 3 to 35 percent across all departments. Most reviews reported gender gaps in starting salaries of 3 to 5 percent. Gender differences in starting salaries increased with age and were highest among staff aged over 40.

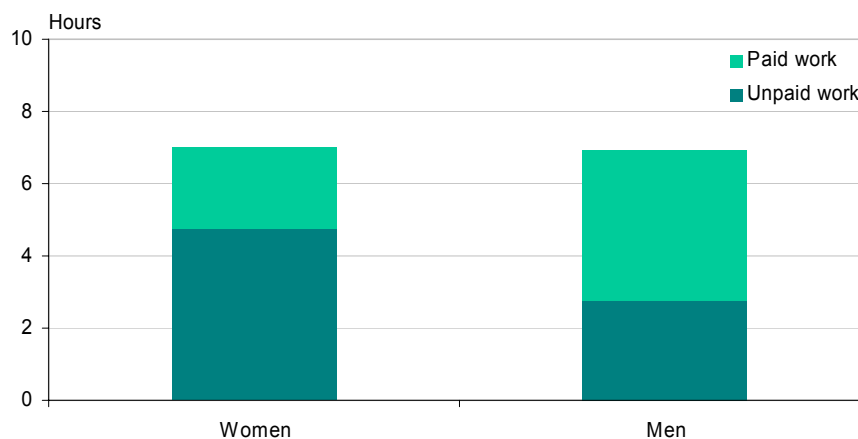


## Work-life balance

*New Zealand's only Time Use Survey found that women and men spent a similar amount of time on work overall, but women spent more time on unpaid work and men spent more time on paid work.*

Results from the 1998/99 Time Use Survey<sup>‡</sup> shed some light on whether women are carrying a 'double burden'. The Time Use Survey found that women and men spent a similar amount of time working, but women spent more time on unpaid work and men spent more time on paid work. Women spent considerably more time working when both primary and simultaneous work activities are counted.

**Figure 4: Average hours per day spent on work, primary activities only, by gender, 1998/99**



Source: Statistics New Zealand

Women and men in full-time paid employment spent a very similar amount of time working in total. They spent significantly more time on work in total than people who were in part-time employment or people who were not in paid work.

Amongst people who were employed part-time or were not in paid employment, women spent more time working than men, as they undertook more unpaid work.

*The affordability of early childhood education (ECE) and care has improved, but long waiting times for places are becoming more common.*

There has been a substantial improvement recently in the affordability of ECE for three- and four-year-old children, following the introduction of 20 hours of free ECE in teacher-led services for this age group.

Information on waiting times indicates that long waiting times are becoming more common, particularly for one- and two-year-old children.

*Future editions of this report will report on women's satisfaction with their work-life balance.*

Different women will have different preferences for the balance between work and other parts of their life that they consider works best for them. To understand whether women are satisfied with their work-life balance, subjective measures are also needed. Future editions of this report will draw on new sources of information to report on women's overall satisfaction with their work-life balance.

<sup>‡</sup> To date, New Zealand has only undertaken one Time Use Survey. The Time Use Survey is however scheduled to be repeated in 2009/10.

## How are Māori and Pacific women doing?

The following table outlines how Māori and Pacific women compare with European women on some key indicators.

**Table 2: Comparing Māori, Pacific and European women against key indicators, 2007**

	Māori women	Pacific women	European women
% with at least an upper secondary qualification	60.0%	55.6%	71.0%
% participating in tertiary education	23.5%	17.0%	11.5%
% who were victims of a crime (2005)	51%	—	36%
% victimised by partner violence (2005)	18%	—	6%
Jobless rate	10.3%	8.2%	3.7%
Median Hourly earnings	\$14.80	\$15.00	\$17.22

*Māori and Pacific women experience poorer economic outcomes on average than European women.*

Māori and Pacific women experience poorer economic outcomes on average than European women. Māori women have the lowest hourly earnings of any of the major gender and ethnicity groups. Compared with other groups, Māori women also have the highest rate of joblessness: 10.3 percent, over two and a half times the rate for European women (3.7 percent).

*While outcomes have improved, this gap does not appear to be closing yet.*

The hourly earnings of both Māori and Pacific women have increased over the last decade, in line with overall increases in hourly earnings. Rates of joblessness have also decreased considerably since 1992. Overall, however, the gap between Māori and Pacific women and other women does not yet appear to be narrowing for most economic sustainability indicators.

*Māori women are participating in tertiary education at a high rate, and are now more likely to have a tertiary qualification than Māori men.*

There has been considerable improvement in education outcomes for Māori and Pacific women in recent years.

While they are still less likely to have a tertiary qualification than European women, both Māori and Pacific women are significantly more likely than European women to be participating in tertiary education. The proportion of Māori and Pacific women with a tertiary qualification increased by 14.5 and 14.4 percentage points between 1996 and 2007 respectively, compared with 9.8 percentage points for European women.

*Māori and Pacific women have poorer health than European women.*

Māori and Pacific women experience poorer overall health outcomes than European women. Māori and Pacific women are less likely than European women to rate their health as being very good or excellent, and are also more likely to be unable to access a GP due to cost, lack of transport or lack of childcare.

Over the last ten years, however, the gap between Māori and non-Māori women in the number of years a person can expect to live in good health has narrowed, from nine years in 1996 to six years in 2006.

*Māori women are the most likely of the main gender and ethnic groups to be victims of crime.*

Māori women are the most likely of the main gender and ethnic groups to be victims of crime. In 2005, 51 percent of Māori women were victims of a crime at least once, compared with 39 percent for the population overall. Māori women were two and a half times more likely than women overall to report being a victim of partner violence in 2005 (18 percent compared with 7 percent of women overall).

Pacific people are more likely than people of other ethnicities to report that they are very worried about being a victim of crime. Pacific people are particularly concerned about sexual violence and assault by strangers.

Workplace injury claim information indicates that Māori and Pacific women are more likely to experience a workplace injury than European women. They are significantly less likely to experience a workplace injury than men of any ethnicity.

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# A Profile of New Zealand Women

- Ethnicity
- Age and life expectancy
- Fertility
- Marital status
- Employment
- Disability



## A Profile of New Zealand Women

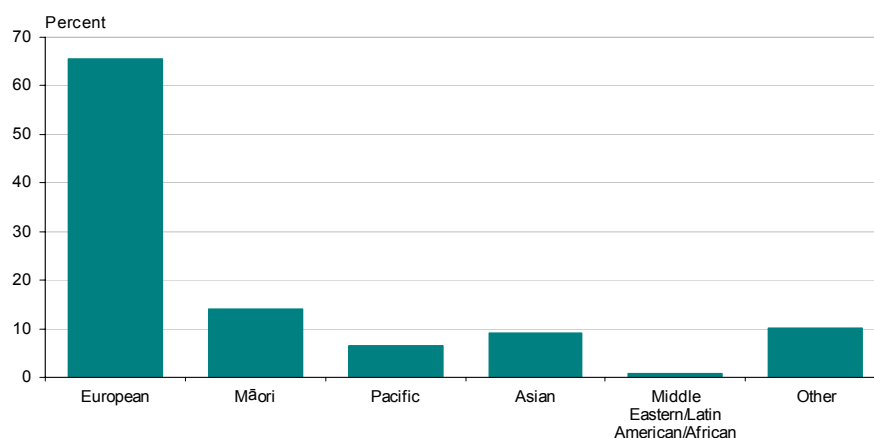
Just over half of the New Zealand population (51 percent) are women. While there are fewer girls born each year, women have a lower mortality rate and tend to live longer than men.

### **Ethnicity**

*The ethnic make-up of women in New Zealand is becoming increasingly diverse.*

In 2006, nearly two-thirds (65.7 percent) of women in New Zealand identified themselves as European. This compares with more than 80 percent of women who identified themselves as European in 1991.<sup>2</sup> Within this period, the proportion of women identifying themselves as Māori has increased from 12.9 percent to 14.1 percent.

**Figure 5: Ethnicity of women in New Zealand, 2006**



Source: Statistics New Zealand

Women in New Zealand are increasingly likely to have been born overseas. In 2006, nearly one in four (23.0 percent) women in New Zealand were born overseas, compared with less than one in six (15.6 percent) in 1991.

### **Age and life expectancy**

*Women in New Zealand are continuing to live longer than men, but the gap is closing.*

The female population in New Zealand is getting older. In 2007, the median age of women was 37.0 years, compared with 34.1 years in 1997. The median age of women remains greater than that of men (35.4 years), which reflects the higher life expectancy of women, shown in the table below.

**Table 3: Life expectancy, by gender**

	1985-87	2005-07	Change
Women	77.1	82.2	+5.1
Men	71.1	78.1	+7.0

Source: Statistics New Zealand

Māori women have a shorter life expectancy than non-Māori women. In 2000-2002<sup>3</sup>, life expectancy for Māori women was 73.2 years, compared with 81.9 years for non-Māori women. Māori women's life expectancy has also been increasing at a slower rate than that of non-Māori women. Between the periods 1985-1987 and 2000-2002, life expectancy for Māori women increased by 0.9 years, compared with 4.5 years for non-Māori women.

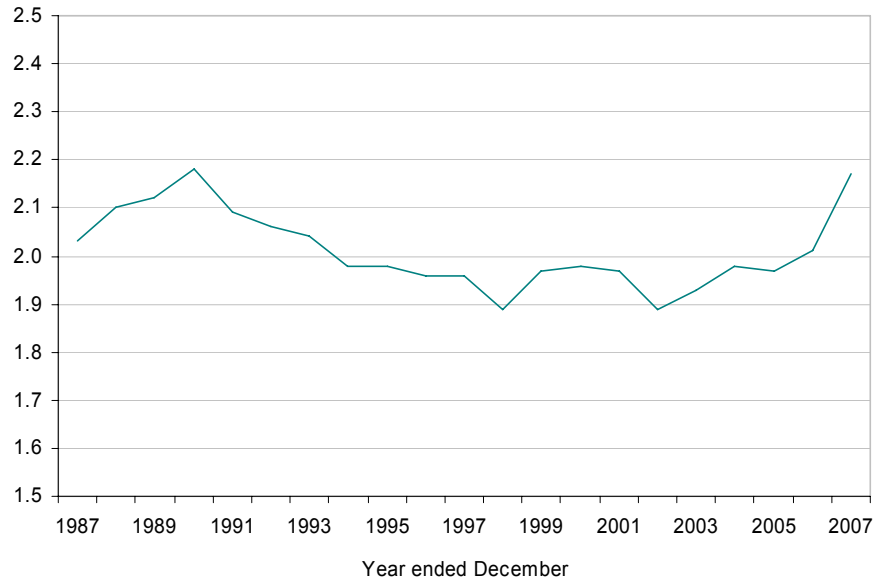
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## **Fertility**

*The birth rate has been increasing for the past five years.*

New Zealand's birth rate has increased over the last five years, with the number of births per woman now comparable to that of the baby 'blip' in the late 1980s to early 1990s. There was an average of 2.17 births per woman in 2007 – the highest rate since 1990. This compares to a birth rate of 2.01 births per woman in 2006. As shown in the graph below, the birth rate has been trending upwards since 2002.

**Figure 6: Number of births per woman, 1987-2007**



Source: Statistics New Zealand

Despite the recent increase in the birth rate, the number of women who do not have children has remained relatively stable in the past decade. According to the 2006 Census, 31.2 percent of women aged 15 years and over have had no children. This is similar to 1996, when 31.6 percent of women aged 15 years and over had no children.

*Women who have children are doing so at a later age.*

The median age of New Zealand women giving birth in 2007 was 30.1 years, compared with a median age of 29.1 years in 1997 and 27.0 years in 1987.

The total birth rate for Māori women in 2007 was 2.9 births per woman, up from 2.7 in 2006. This is significantly higher than the birth rate of all women. Māori women also tend to give birth at a younger age than non-Māori women, with a median age of 25.8 years in 2007.

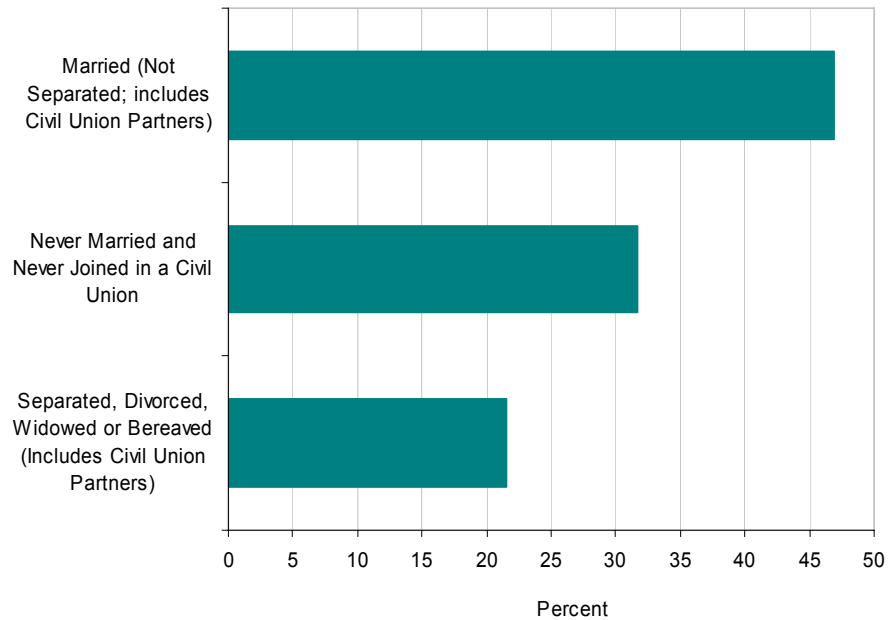
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## **Marital status**

*Fewer women are getting married and those who are do so at a later age.*

Although almost half (46.9 percent) of all women in New Zealand aged 15 years or older are married, fewer women are getting married each year. In 2007, the marriage rate was 14 per 1,000 unmarried people aged 16 years and over. This is significantly lower than the rate two decades earlier of 25 per 1,000 (in 1987).

**Figure 7: Legal marital status of women, 2006**



Source: Statistics New Zealand

Women are marrying at a later age than in the past. The median age at first marriage for women in 2007 was 28.1 years. In comparison, the median age at first marriage was 20.8 years in 1971, when 36 percent of all first-time brides were teenagers, compared with just 3 percent in 2007.

A growing proportion of women in New Zealand are living with their partners without legally formalising their partnership. In 1996, around one in four people aged 15-44 years who were living together in a partnership were not legally married; by 2006, this figure had increased to approximately two in five.

In 2006, there were 7,000 women living with their same-sex partner. Since the Civil Union Act 2004 came into force on 26 April 2005, 496 female same-sex couples have registered a civil union. This compares to 399 male same-sex couples and 204 opposite-sex couples.

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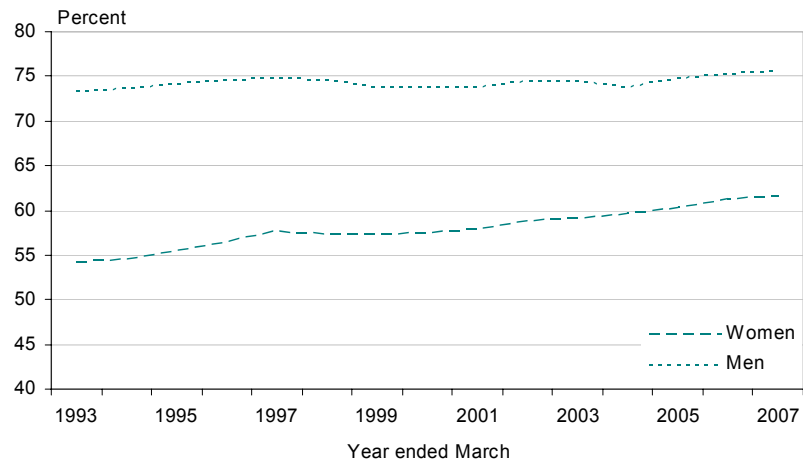
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## Employment

*Women's labour force participation is increasing.*

Women's participation in the labour force<sup>4</sup> has been steadily increasing over time. In the last ten years it has increased from 57.6 percent to 61.5 percent. Although women's participation in the labour force still remains lower than men's, the gap has closed from 17.1 percentage points in 1997 to 14.1 percentage points in 2007.

**Figure 8: Labour force participation rate, by gender, 1993-2007**



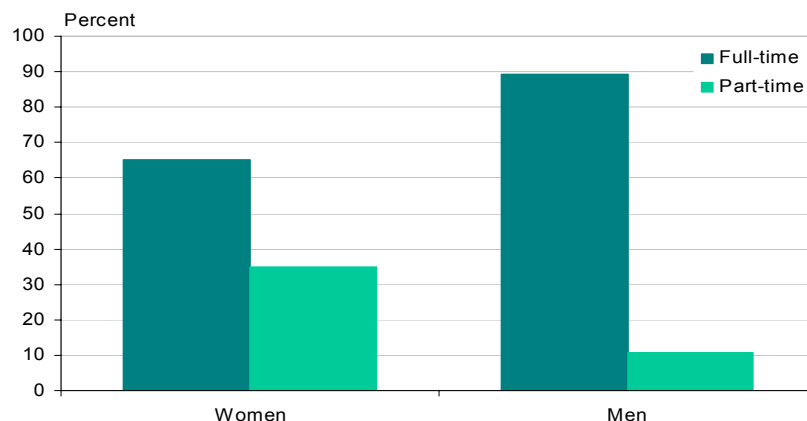
Source: Statistics New Zealand

Women have had a slightly higher rate of unemployment than men since 2002. In 2007, 4.0 percent of women in the labour force were unemployed, compared with 3.5 percent of men.

*Women are more likely to be working part-time than men.*

Women are more likely than men to be working part-time. More than one-third (34.7 percent) of employed women worked part-time in 2007, compared with 10.7 percent of men. Nearly three-quarters (73.4 percent) of part-time employees in 2007 were women.

**Figure 9: Type of employment, by gender, 2007**



Source: Statistics New Zealand

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## Disability

*A similar proportion of women and men have a disability.*

An estimated 332,600 women had a disability in 2006. This equates to 16.2 percent of the female population, compared with 16.9 percent of men. Women have a lower rate of disability than men in all age groups under 65 years, but a higher rate in the age group 65 years and over.

# Well-being Indicators

- Health expectancy
- Self-reported health status
- Access to health services
- Workplace injuries
- Criminal victimisation and reporting
- Concern about crime
- Representation of women in leadership and governance positions



## **Well-being**

Goal from the *Action Plan for New Zealand Women*: The quality of life of all New Zealand women will be improved.

'Well-being' is a holistic concept that takes into account the overall effect of a number of different factors on women's quality of life. Well-being involves objective aspects of well-being, such as physical and material well-being, as well as psychological and subjective aspects, such as resilience, positive relationships with others, and overall life satisfaction.

Economic sustainability and work-life balance are important contributors to overall well-being. For the purposes of this report, however, well-being refers to the aspects of well-being that are not covered in the economic sustainability and work-life balance domains. Well-being involves women being:

- physically, mentally and emotionally healthy
- safe at home and in their communities
- able to meet their social and cultural needs.

Aspects of well-being covered in this report include health, education, safety, and women's ability to contribute to society through leadership roles.

### **Indicators:**

- Health expectancy
- Self-reported health status
- Access to health services
- Workplace injuries
- Criminal victimisation and reporting
- Concern about crime
- Representation of women in leadership and governance positions.

## Health expectancy

### Definition

The number of years a person could expect to live independently (i.e. live without any functional limitation requiring the assistance of another person or complex assistive device) if current mortality and disability rates persist.

### Relevance

Health expectancy is a measure of health that captures both the 'quantity' and the 'quality' of life dimensions of physical and mental health. Health expectancy is a positive measure, capturing expectations of a life free from functional limitation that requires assistance. Improvements in health expectancy reflect changes in social and economic conditions, lifestyle changes, medical advances and better access to health services.

Health expectancy is an important measure of women's health. Women live longer on average than men, but may experience health problems in old age that affect their quality of life. This means it is important to consider the 'quality' of women's health as well as the 'quantity'.

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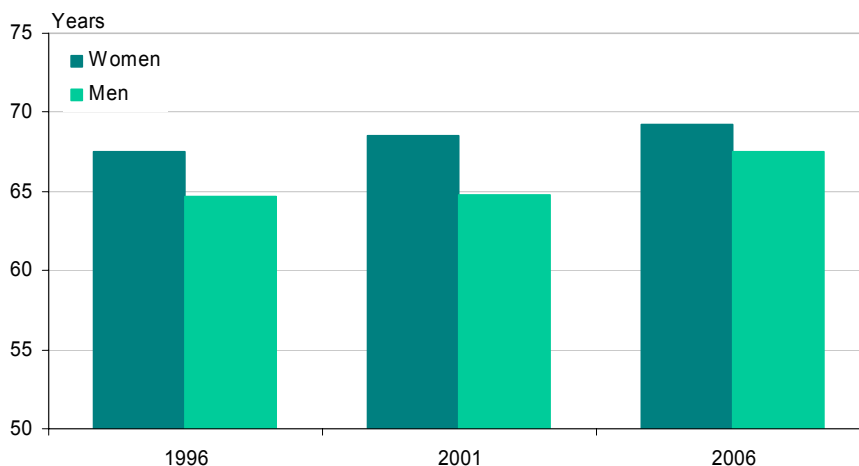
### **Current level and trends**

*Women continue to have a longer health expectancy than men, but the gap is closing.*

Women have a longer health expectancy than men (69.2 years compared with 67.5 years). Improvements in health expectancy have been greatest for men: between 2001 and 2006 men's health expectancy increased by 4.2 percent, compared with an increase of 1.0 percent for women.

While the gender difference in 1996 was 2.8 years (67.5 years for women and 64.7 years for men), in 2006 the difference was only 1.7 years.

**Figure 10: Health expectancy, by gender, 1996-2006**



Source: Statistics New Zealand

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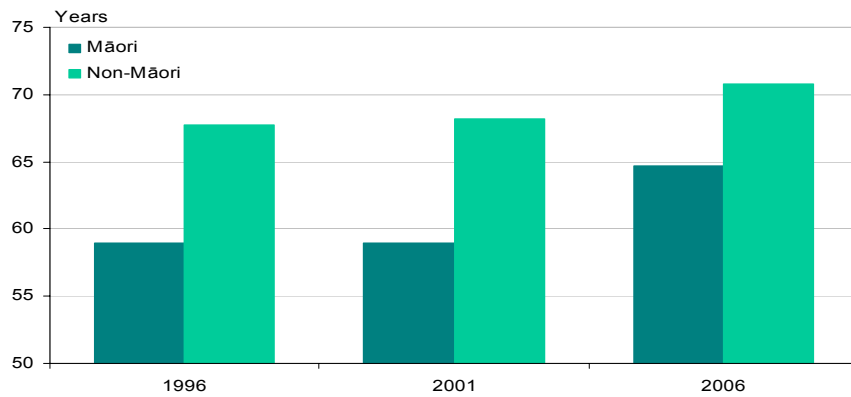
**Ethnic differences**

*The health expectancy gap between Māori and non-Māori women is closing, but Māori women can still expect to have six fewer years of good health than non-Māori women.*

Over the past ten years the gap between Māori and non-Māori women's health expectancy has lessened. Māori women had six fewer years of health expectancy than non-Māori women in 2006 (64.7 years compared with 70.8 years), down from a difference of around nine years in 1996 (59.0 years compared with 67.7 years).

In 2006, Māori women's health expectancy was 1.8 years longer than Māori men's. This gender difference was similar to that for non-Māori in 2006 (1.9 years).

**Figure 11: Health expectancy for women, by ethnicity, 1996-2006**



Source: Statistics New Zealand

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## Self-reported health status

### Definition

An individual's own perception of their health status and functioning based on a five-point scale of excellent, very good, good, fair or poor (New Zealand Health Survey).

### Relevance

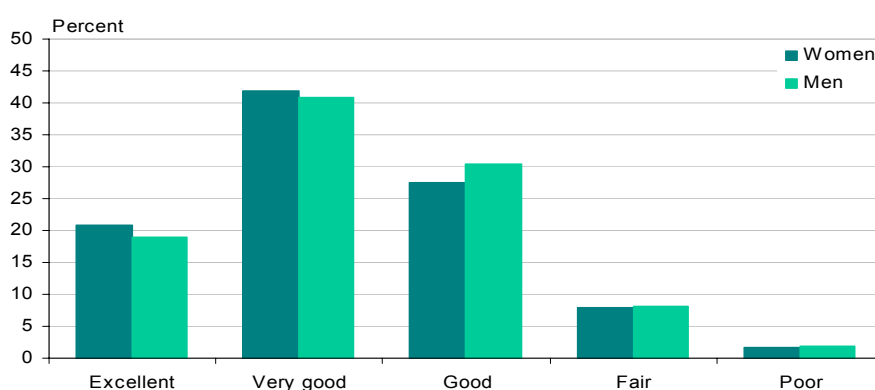
By taking into account how individuals view their own health, self-reported health measures place more emphasis on how health affects quality of life and well-being than other more objective measures of health.

#### Current level and trends

*Women are more likely to report excellent or very good self-reported health.*

Overall, women are significantly more likely than men to report excellent or very good self-reported health.

**Figure 12: Self-reported health status, by gender (age-standardised), 2006/07**



Source: Ministry of Health

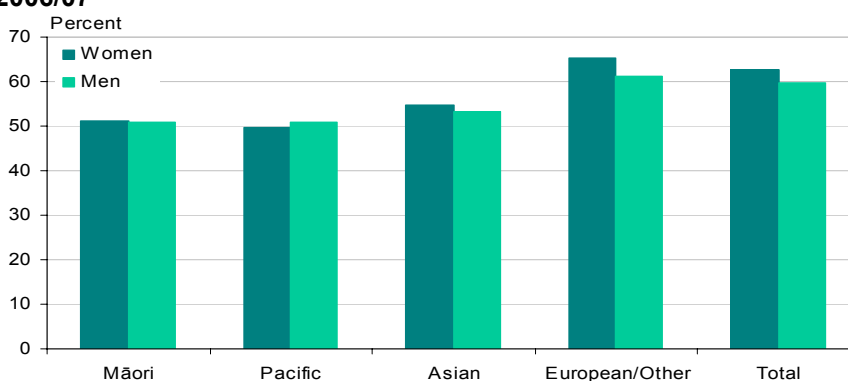
#### Ethnic differences

*European/Other women are most likely and Pacific women are least likely to report their health as excellent or very good.*

Women of European/Other ethnicity were more likely to report excellent or very good self-reported health than women of other ethnic groups. Pacific women were the least likely to report excellent or very good self-reported health.

While women overall are more likely than men to report their health as excellent or very good, the gender gap varies considerably between ethnic groups. Women with Pacific ethnicity are less likely than Pacific men to rate their health as excellent or very good (49.7 percent versus 50.8 percent).

**Figure 13: Proportion of people with a self-reported health status of excellent or very good, by gender and ethnicity (age-standardised), 2006/07**



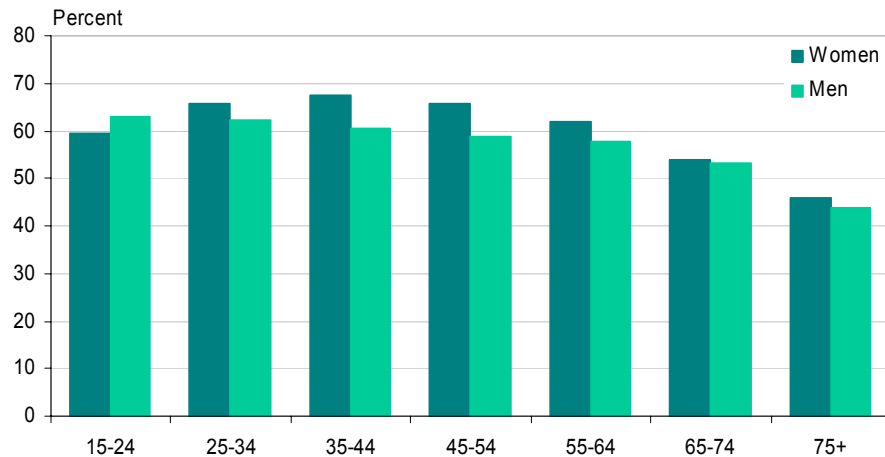
Source: Ministry of Health

### Age differences

*Self-reported health status peaks at around 35-44 years for women, although mental health continues to improve for some time.*

In general, self-reported health status for women peaks around 35-44 years and then begins to decrease. Some aspects of health, however, do not follow this trend. Mental health, for instance, continues to improve with age up to 65-74 years, and only drops slightly after that age.

**Figure 14: Proportion of people with a self-reported health status of excellent or very good, by gender and age, 2006/07**



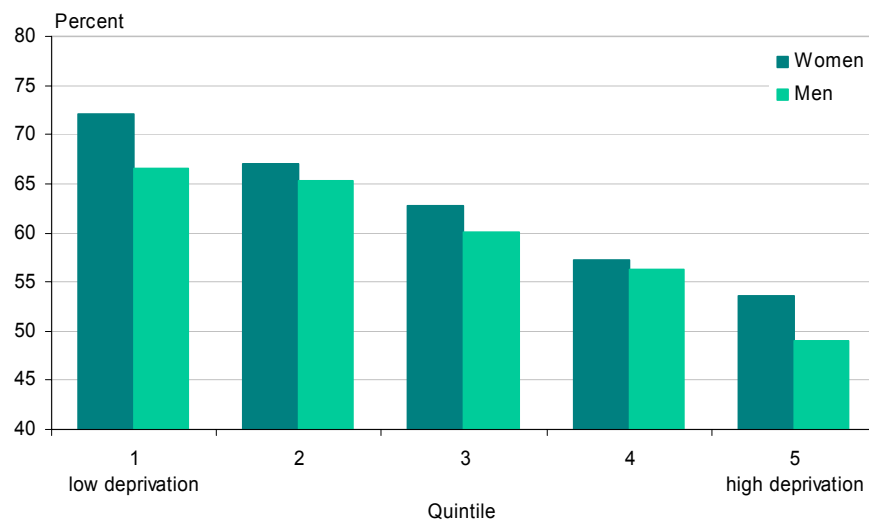
Source: Ministry of Health

### Socio-economic differences

*Women living in areas with the highest levels of deprivation reported the lowest levels of health.*

Women who live in areas with low levels of deprivation are more likely to report their health as excellent or very good. Likewise, women who live in areas with high levels of deprivation are less likely to report their health as excellent or very good.

**Figure 15: Proportion of people with a self-reported health status of excellent or very good, by gender and level of socio-economic deprivation (age-standardised), 2006/07**



Source: Ministry of Health



## Access to health services

### Definition

The proportion of the population that was unable to see a General Practitioner (GP) when they needed to in the past 12 months because of cost, lack of transport, or lack of childcare (New Zealand Health Survey).

### Relevance

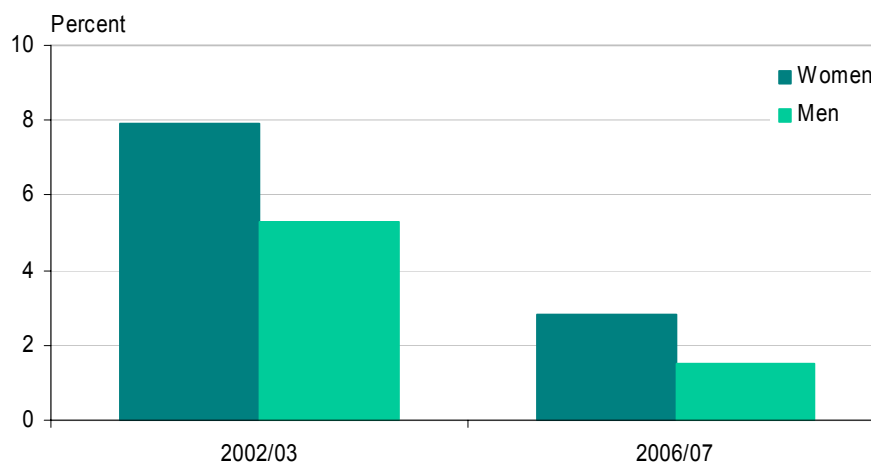
In order to maintain good health and minimise preventable health problems, women and their families need to have access to primary health care services, such as those available from a GP. Primary health care provides an entry point to the health system, delivers core medical and preventative care and helps patients co-ordinate and integrate their care.

#### **Current level and trends**

*Women are more likely than men to be unable to access a GP due to cost, lack of transport or lack of childcare but these barriers are reducing.*

The proportion of women unable to see a GP due to cost, lack of transport or lack of childcare in the past twelve months, is notably higher than for men (2.8 percent for women compared with 1.5 percent for men in 2006/07). This is an improvement, however, as the proportion of women not able to access a GP due to these reasons decreased from 7.9 percent in 2002/03.

**Figure 16: Proportion of the population unable to see a GP in the past 12 months due to cost, transport or childcare barriers, by gender (age-standardised)**



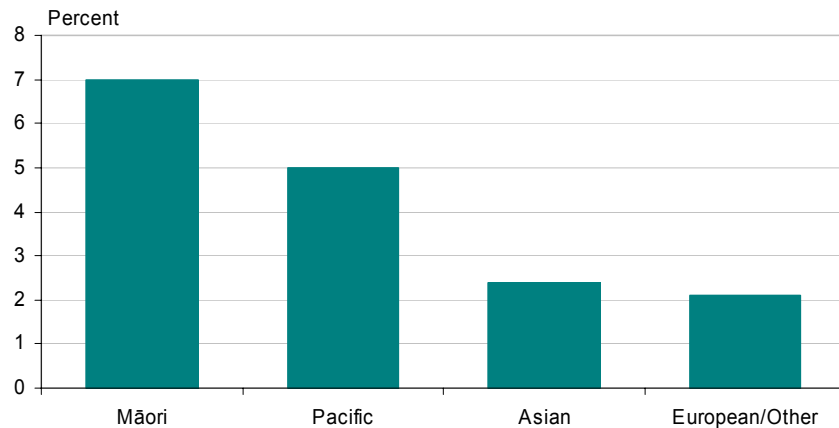
Source: Ministry of Health

#### **Ethnic differences**

*Māori and Pacific women were more likely to be unable to access a GP due to barriers.*

Māori and Pacific women were more likely to be unable to access a GP for the above reasons than women from other ethnic groups, with rates of 7.0 percent and 5.0 percent respectively. Asian women (2.4 percent) and European/Other women (2.1 percent) were less likely to experience difficulty accessing a GP for these reasons.

**Figure 17: Proportion of women unable to see a GP in the past 12 months due to cost, transport or childcare barriers, by ethnicity (unstandardised), 2006/07**



Source: Ministry of Health

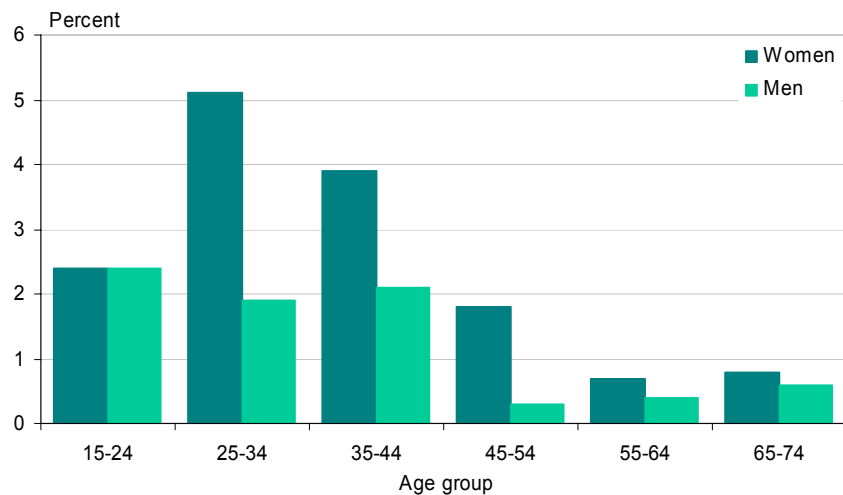
**Age differences**

*Women aged 25-44 years have the most difficulty accessing a GP due to cost, or lack of transport or childcare.*

Women aged 25-44 years are most likely to have difficulty accessing a GP due to cost, lack of transport or lack of childcare.

While overall, women have more access issues than men, for those aged 15-24 years there is no difference between the genders. The greatest difference between the genders is at ages 25-54, where women are considerably more likely than men to experience access issues.

**Figure 18: Proportion of the population unable to see a GP in the past 12 months due to cost, transport or childcare, by gender and age, 2006/07**



Source: Ministry of Health

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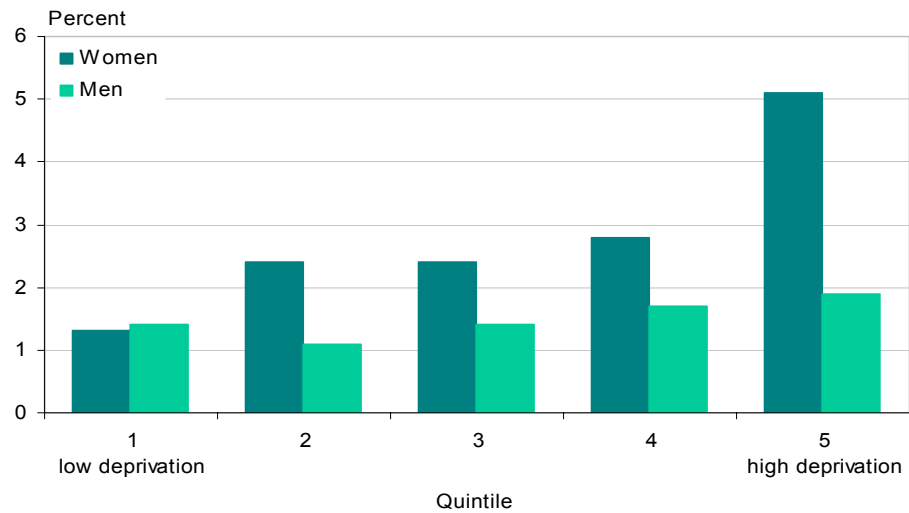
**Socio-economic differences**

*Women in the most deprived areas group had the most difficulty accessing a GP for these reasons.*

Women who live in areas with high levels of deprivation are significantly more likely to be unable to see a GP because of cost, lack of transport, or lack of childcare.

Socio-economic status appears to have less of an impact on access to GPs for men than women.

**Figure 19: Proportion of the population unable to see a GP in the past 12 months due to cost, transport or childcare, by gender and level of socio-economic deprivation (age-standardised), 2006/07**



Source: Ministry of Health

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## Workplace injuries

### Definition

The number of workplace accident insurance claims reported to the Accident Compensation Corporation (ACC) per 1,000 full-time equivalent employees (FTEs), excluding those employees who received accident and emergency treatment only.

### Relevance

Freedom from accidents and injuries is an important contributor to well-being. The risk of work-related accidents or illness is one component of quality of work. The best currently available measure of the incidence of injuries requiring ongoing treatment comes from the database of claims made to the ACC.

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#### **Current level and trends**

*Women are much less likely than men to experience a workplace injury*

Men are around twice as likely as women to experience a workplace injury involving a claim to ACC. The provisional injury rate for men in 2006 was 159 injuries per 1,000 FTEs, compared with 80 per 1,000 FTEs for women.

The overall incidence of workplace injuries has decreased since 2002. This is the case for both men and women. The incidence of workplace injury claims for women decreased from 88 claims per 1,000 FTEs in 2002 to 80 claims per 1,000 FTEs in 2006.

**Figure 20: Estimated ACC claim rate per 1,000 FTEs, by gender, 2002-2006**



Source: Statistics New Zealand. 2006 data are provisional only

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#### **Occupation differences**

*One reason for the lower workplace injury claim rate for women is that men are much more likely to work in some occupations that have high injury claim rates*

The lower rate of workplace injury claims for women reflects differences in the occupations where women and men work. Men dominate the occupational groupings with the highest number of workplace injury claims. For example, the plant and machine operators and assemblers occupation group, which reported the highest number of workplace injury claims in 2006 (42,126), was 82 percent male.

**Table 4: Gender makeup and incidence of workplace injury claims in different occupations, 2006**

Occupation	Total claims	Incidence rate (per 1,000 FTEs)	% employees women
Plant and machine operators and assemblers	42,126	243	18%
Trades workers	41,435	199	6%
Agriculture and fishery workers	33,540	259	31%
Elementary occupations	27,994	277	38%
Service and sales workers	24,986	105	67%
Professionals	16,476	53	53%
Technicians and associate professionals	16,327	71	52%
Legislators, administrators and managers	12,955	51	37%
Clerks	9,797	44	79%
Total	235,202	126	46%

Source: Statistics New Zealand

**Ethnic differences**

*Māori and Pacific men are the most likely to experience a workplace injury.*

While Māori and Pacific women are more likely to experience a workplace injury than European women, they are still significantly less likely to be injured than men.

**Table 5: Incidence of workplace injury claims per 1,000 FTEs, by gender and ethnicity, 2006 (provisional)**

	Women		Men	
	Number of claims	Incidence rate	Number of claims	Incidence rate
European	43,873	53	118,989	144
Māori	8,138	85	21,256	221
Pacific peoples	3,009	62	9,869	202
Other	7,366	53	17,142	110
Total	63,946	80	171,256	159

**Age differences**

*Workplace injury claim rates do not differ markedly by age for women.*

Differences in workplace injury claim rates between age groups are not pronounced for women. Men aged 65 and over have the highest incidence rate of workplace injury claims, followed by men aged 15-24.

## Criminal victimisation and reporting

### Definition

#### **Victimisation**

The proportion of the population aged 15 years and over who had been a victim of one or more incidents of criminal offending as measured by the *New Zealand Crime and Safety Survey 2006* (NZCASS).<sup>5</sup> The NZCASS estimated the prevalence and incidence of victimisations that occurred in 2005.

In the NZCASS, prevalence rates refer to the percentage of those over 15 who experienced criminal victimisation at least once. Incidence rates take into account multiple victimisations, and indicate how many times victimisations have occurred per 100 people in the general population.

#### **Reporting to police**

The proportion of the population aged 15 years and over who reported a criminal victimisation to Police in 2005, as measured by the NZCASS 2006.

#### **Relevance**

The criminal victimisation rate is an indicator of women's personal safety and well-being. Victimisation surveys provide a broader measure of criminal victimisation than police data as not all victimisations are reported.

Reporting of criminal victimisation to Police is also an important indicator of the safety and well-being of women. Victimisations may not come to the attention of Police for a number of reasons, such as that people feel that type of victimisation is not a crime, that Police will not or are not responding favourably to that crime, that people are embarrassed or ashamed, or that they believe the matter is private.

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#### **Current level and trends**

*Men and women are equally likely to be victims of crime in general; however, women are more at risk than men of particular types of victimisations, such as partner offences and sexual offences.*

In 2005, men and women had the same prevalence rates for victimisation overall (39 percent). This is a similar level to that experienced by men and women in 2000.<sup>6,7</sup> There are, however, gender differences in prevalence rates when particular types of victimisations are considered.

Women are more likely than men to be victims of sexual offences<sup>8</sup> (4 percent compared with 2 percent for men). Men are more likely than women to be victims of confrontational offences committed by people not known to them (9 percent compared with 6 percent for women).

When both prevalence and incidence are considered, women are more likely to be victims of confrontational offences<sup>9</sup> by partners. In 2005, 7 percent of women and 6 percent of men were victims of a partner offence at least once. Women had a higher incidence rate than men for confrontational offences committed by partners (26 incidents per 100 people compared with 18 incidents). This means that women were more likely to be repeat victims of confrontational offences by partners than men.

*Women are much more likely than men to be murdered by a family member.*

More women than men are victims of family-violence related murders. During the period 2000 to 2004 (inclusive), 54 women were murdered by a man with whom they had a domestic relationship.<sup>§</sup> Three men were murdered by a woman with whom they had a domestic relationship. Ninety-four percent of family violence-related murders of adults were committed by men.

*Sexual offences were the least likely offences to have become known to the police in 2005.*

### Reporting levels

Of all the offences disclosed in the NZCASS, 32 percent were reported as having become known to the Police, either through victims' direct reports or because the Police found out some other way.<sup>\*\*</sup> There were no gender differences in the reporting rates for victimisations overall. In 2005, thefts of vehicles were most likely to be reported to the Police (84 percent of offences disclosed were reported) and sexual offences were the least (9 percent).<sup>10</sup>

Reasons for not reporting offences included that the crime was too trivial, that what happened was a private matter, not wanting to get the offender into trouble, the embarrassment of reporting, and fear of some form of reprisal.<sup>11</sup>

### Ethnic differences

*Māori women experience greater rates of victimisation than the population as a whole.*

### Victimisation

Māori women had the highest rates of victimisation across all offences, compared with other ethnicity and gender groups. Fifty-one percent of Māori women were victimised at least once in 2005, compared with 39 percent of both men and women overall.

Māori women also had significantly higher rates of prevalence of victimisation for confrontational offences than both Māori men and European men and women, as shown in the table below. Data for other ethnicities is too unreliable to draw conclusions from.

**Table 6: Prevalence of victimisation for confrontational offences, by gender and ethnicity, 2005**

	Māori		European	
	Women	Men	Women	Men
Committed by partners	18%	8%	6%	6%
Committed by people well-known	13%	8%	4%	4%
Committed by others	10%	5%	5%	8%

Source: Ministry of Justice

### Reporting levels

There are no significant differences in reporting to police according to ethnicity.<sup>12</sup>

<sup>§</sup> Note these statistics are not official New Zealand Police statistics, they were obtained from data relating to cases investigated as homicide and as such are provisional.

<sup>\*\*</sup> Such as someone in the victim's household told the Police, or through a neighbour or the Police were already at the location.

**Age differences**

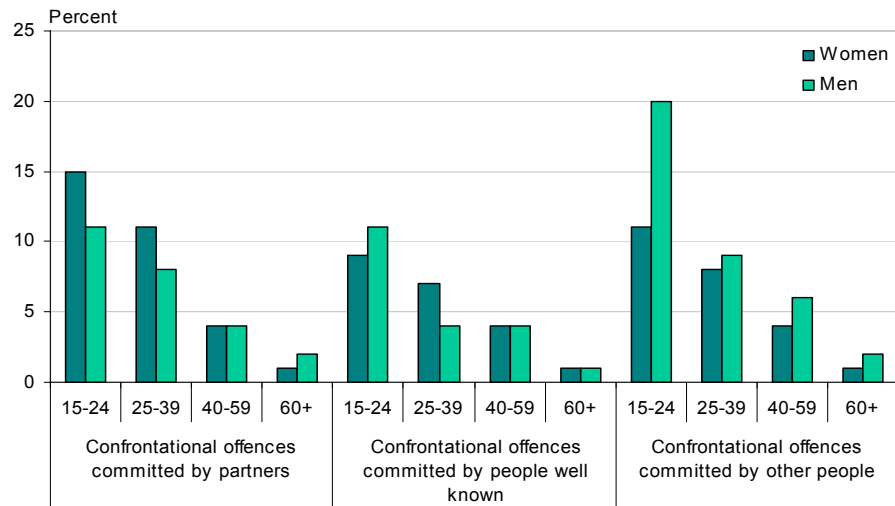
*Women aged 15-24 years experienced a higher rate of confrontational offences in 2005 than other groups of women.*

**Victimisation<sup>13</sup>**

In 2005, people aged 15-24 had higher prevalence of victimisation across all offences than other age groups. There was no difference for this group by gender for victimisation by confrontational offences by partners and by those well-known.

Women aged 15-24 were more at risk than other women of all types of confrontational offences. In 2005, women aged 15-24 years had three times the average prevalence of victimisation for sexual offences.

**Figure 21: Victimization rates, by gender and age, 2005**



Source: Ministry of Justice



## Concern about crime

### Definition

The proportion of the population aged 15 and over who are concerned about being a victim of crime, and the reported impact of crime on quality of life, as measured by the *New Zealand Crime and Safety Survey 2006 (NZCASS)*.<sup>14</sup>

### Relevance

Feeling safe is important in order to fully participate in one's community. Although information about the level of victimisation is important, people's concerns about crime may provide a broader understanding of the impact of crime.

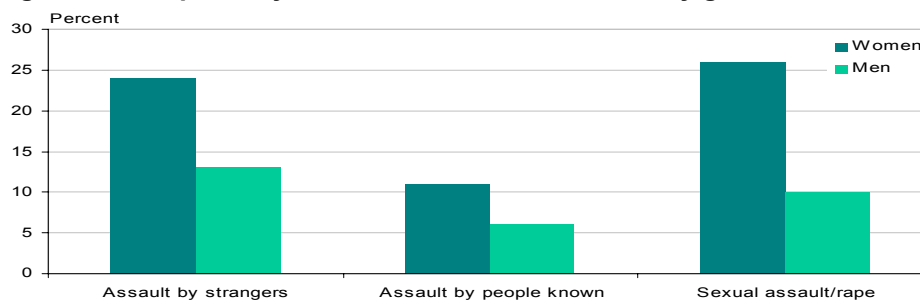
#### Current level and trends

*Women are more likely to be very worried about victimisation than men.*

#### Worry about being a victim of crime

In 2005, women were more likely than men to be worried about victimisation. The starkest differences between men and women were worries about being a victim of confrontational offences.<sup>15</sup> More women than men were 'very worried' about being a victim of inter-personal violence, as shown by the graph below.

**Figure 22: People 'very worried' about victimisation, by gender, 2005**



Source: Ministry of Justice

*More women than men reported that crime had a high or moderate impact on their quality of life.*

#### Impact of fear of crime on quality of life

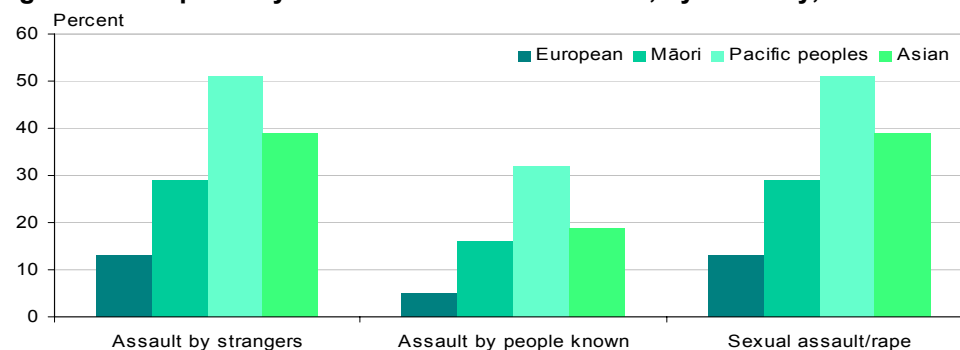
When asked to rate the extent to which their quality of life is affected by fear of crime, women were more likely to report a high or moderate impact (45 percent) than men (34 percent). Overall, few people reported a high impact on their quality of life (7 percent), and there was little difference between genders at this level.

#### Ethnic differences

#### Worry about being a victim of crime

Ethnicity has a significant impact on the level of concern felt regarding victimisation. Pacific people in particular were more likely to report that they were very worried about victimisation than people of other ethnicities. There is no gender breakdown available.<sup>16</sup>

**Figure 23: People 'very worried' about victimisation, by ethnicity, 2005**



Source: Ministry of Justice

## Impact of fear of crime on quality of life

Women classified in the 'other' ethnic category (which includes both Pacific and Asian women) were most likely to report that fear of crime had a high impact on their quality of life (18 percent), followed by Māori women (12 percent). European women were least likely to indicate that fear of crime had a high impact on their quality of life.

### Age differences

*Those aged 15-24 years were more worried than other age groups of being victimised.*

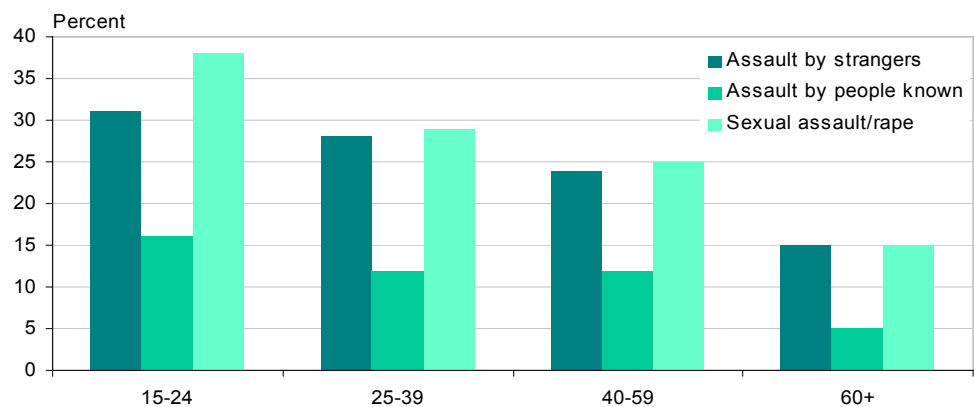
*Higher percentages of women aged 15-24 years were 'very worried' about being a victim of inter-personal violence*

### Worry about being a victim of crime

People aged 15-24 were more worried about victimisation than other age groups and women were more concerned than men across all age groups for all kinds of crime surveyed. As shown in the graph below, a similar proportion of women reported being very worried about 'sexual assault/rape' and 'assault by strangers' for each age group, and the proportion of women expressing this level of concern decreased with age for both these victimisation categories.

'Assault by people known' created notably less concern among women of all ages than the other forms of crime, particularly among those in the 60+ age group.

**Figure 24: Women 'very worried' about victimisation, by age, 2005**



Source: Ministry of Justice

## Impact of fear of crime on quality of life

In all age groups, larger proportions of women than men reported that fear of crime had a high or moderate impact on their quality of life. Women aged 25-39 were most likely to report a high or moderate impact on their quality of life (54 percent), followed by those in the 15-24 age group (47 percent). Notably, women in the 60+ age group were the group of women least likely to report that fear of crime had a high or moderate impact on their quality of life (37 percent).

## Representation of women in leadership and governance positions

### Definition

The proportion of elected Members of Parliament (MPs), and local government bodies; members of state sector boards, district health boards (DHBs), and school boards of trustees; and judges who are women.

### Relevance

Representative political and governance institutions engage a wide range of communities in the political and governance process. These institutions draw on the talents and skills of the broadest group of people, and provide checks and balances on the use of political power. The representation of women in government, public and community sector boards and committees, and the judiciary can be seen as an indicator of political representation more generally. It also provides an indication of whether women are fully participating in the community.

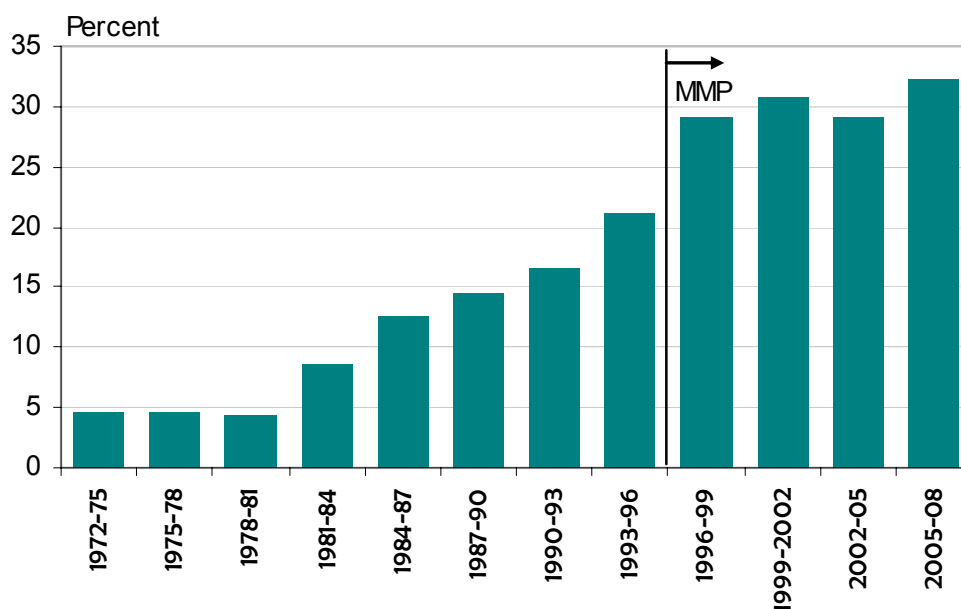
#### **Current level and trends**

*While women have high levels of representation in some areas, there is still a long way to go to achieve equal representation.*

While the level of women's political representation has been slowly improving over time, women remain under-represented in leadership positions.

Representation in parliament is an indicator of women's participation at the highest level. Women were first eligible to stand for election in 1919, and a woman first won a seat in 1933. Since that time, 95 women have held a seat in parliament<sup>17</sup> – 39 of whom are current serving MPs. As shown below, the proportion of MPs that are women has been steadily increasing since 1981.

**Figure 25: The proportion of New Zealand MPs that are women, 1972-2008**



Source: Ministry for Culture and Heritage; Inter-Parliamentary Union

Women currently hold 32 percent of the 121 seats<sup>18</sup> in parliament. As of 5 November 2007, seven of the twenty Cabinet ministers were women (35 percent) and there were a further two female ministers outside of Cabinet.<sup>19</sup>

Women's representation in other areas of leadership and governance is outlined in the table below.

**Table 7: Women’s representation in governance roles, 2007**

	Number of positions held by women	Total positions	% held by women
Judiciary	51	198	26%
State sector boards and committees – Ministerial appointees (as at December 2007)	1128	2716	42%
Directorships of the top-100 NZSX Companies	54	624	9%
Directorships of Crown companies (as at 1 January 2008)	77	226	34%
District Health Boards	95	219	43%
Chief Executives of Public Service Departments	8	35	23%
Local Government:			
- Councillors	280	921	30%
- Mayors	13	73	18%
School Boards of Trustees	9,634	18,573	52%

Source: Human Rights Commission

Women have higher representation in areas where they have traditionally had a role, such as education (on School Boards of Trustees) and health (on DHBs). On the other hand, women still have low representation in the judiciary and on private sector boards of directors.

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***Ethnic differences***

Following the 2005 election, there were 21 Māori MPs elected to parliament (7 electorate MPs and 14 list MPs). Māori accounted for 17 percent of all MPs. There were also three Pacific MPs (2.5 percent of all MPs), including one Pacific woman MP, and two Asian MPs (1.6 percent of all MPs), one of whom was a woman.<sup>20</sup>

Māori women were relatively well represented on Māori Authorities at the board level in 2007, holding 42 percent of seats. Māori women, however, held only 27 percent of management positions in Māori Authorities at this time.

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# Economic Sustainability Indicators

- Educational attainment
- Participation in tertiary education
- Joblessness
- Median hourly earnings
- Weekly incomes



## **Economic sustainability**

**Goal:** The economic independence of New Zealand women will be improved.

'Economic sustainability' refers to women's ability to provide for themselves and their families, and be economically independent if they choose. Achieving economic sustainability involves ensuring that women have equal opportunity to participate in economic activities, and are fairly rewarded for their work.

In order to achieve improved economic sustainability, women need to:

- have access to the full range of opportunities for paid work
- be equitably rewarded for their work
- have access to an adequate minimum level of income
- have access to, and use of, their financial resources.

### **Indicators:**

- Educational attainment
- Participation in tertiary education
- Joblessness
- Median hourly earnings
- Weekly incomes
- Proportion of women living in families with low incomes.



## Educational attainment

### Definition

As measured by the Household Labour Force Survey, the proportion of people aged 15-64 years with qualification at:

1. at least upper secondary school level
2. tertiary level (i.e. any tertiary qualification).

### Relevance

Educational attainment is an indicator of the extent to which women have skills and qualifications that equip them to participate in the workforce and in society more generally.

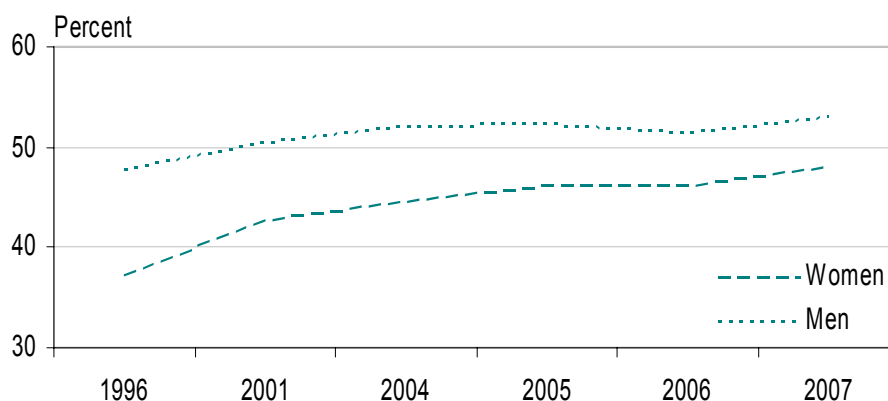
#### **Current level and trends**

*Men are more likely to hold at least an upper secondary qualification than women, but the gap is closing*

Men were slightly more likely than women to hold at least an upper secondary qualification in 2007 (71.0 percent compared with 68.8 percent). This gap has been steadily closing.

Gender differences are more prominent at the tertiary level. A higher proportion of men than women held a tertiary qualification in 2007 (52.9 percent compared with 47.9 percent). The gap in tertiary qualification attainment has been closing slowly over time, as shown in the graph below.

**Figure 26: Tertiary qualification attainment, by gender 1996-2007**



Source: Statistics New Zealand

#### **Ethnic differences**

*Māori and Pacific women are less likely to have at least an upper secondary qualification than European women.*

European women were more likely than Māori and Pacific women to hold at least an upper secondary qualification in 2007, as shown in the table below.

**Table 8: Population with at least an upper secondary qualification, by gender and ethnicity, 2007**

	Māori	Pacific	European
Women	60.0%	55.6%	71.0%
Men	55.5%	52.3%	73.7%

Source: Statistics New Zealand

*Note: The difference between Pacific men and women is not statistically significant*

The proportion of women with at least an upper secondary qualification improved for all ethnic groups between 1996 and 2007.

Pacific women had the highest increase (13.8 percentage points), followed by Māori women (12.1 percentage points) and European women (6.2 percentage points).

The proportion of the population with a tertiary qualification also varies by ethnicity. European women are more likely than Māori or Pacific women to have a tertiary qualification, as shown in the table below.

**Table 9: Tertiary qualification attainment by gender and ethnicity, 2007**

	Māori	Pacific	European
Women	39.6%	34.7%	48.8%
Men	36.8%	34.0%	54.8%

Source: Statistics New Zealand

*Note: The differences between Māori men and women, and Pacific men and women are not statistically significant.*

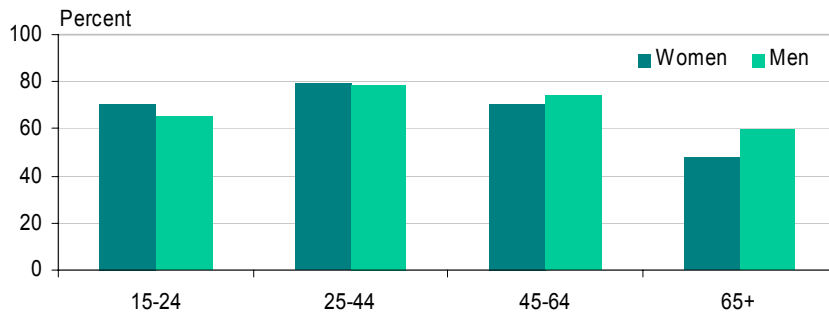
The proportion of both Māori and Pacific women with tertiary qualifications increased significantly between 1996 and 2007, by 14.5 and 14.4 percentage points respectively. This compares with an increase of 9.8 percentage points for European women.

**Age differences**

*Younger women are now more likely to have an upper secondary or tertiary qualification than young men.*

Young women aged 15-24 are more likely to hold at least an upper secondary qualification than young men (70.9 percent compared with 65.4 percent). Rates of attainment are higher for men over 45 years of age than women in those age groups.

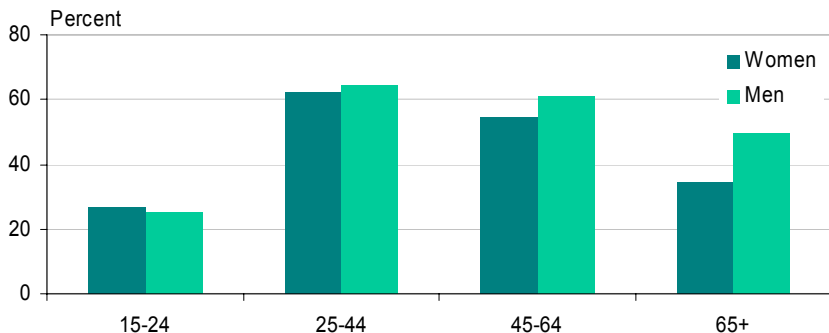
**Figure 27: Population with at least an upper secondary qualification, by gender, 2007**



Source: Statistics New Zealand

While men are more likely to have a tertiary qualification overall, the number of women completing tertiary qualifications has increased significantly, to the point where young women are now more likely to have a tertiary qualification than young men.

**Figure 28: Tertiary qualification attainment, by gender, 2007**



Source: Statistics New Zealand

## Participation in tertiary education

### Definition

The proportion of people aged 15-64 years who are enrolled in tertiary education, as measured by the Ministry of Education.

### Relevance

Participation in tertiary education is an indicator of the extent to which women are currently acquiring the skills and qualifications that equip them to participate in the workforce and society more generally.

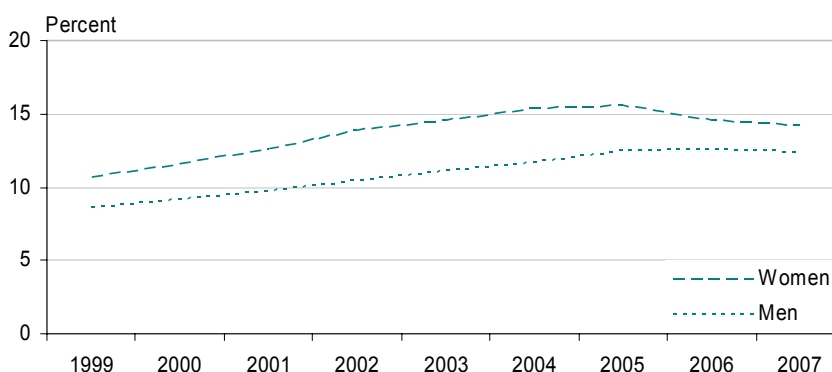
#### Current level and trends

*Women are more likely to be participating in tertiary education than men.*

In 2007, women were slightly more likely than men to be enrolled in a tertiary qualification (14.2 percent compared with 12.3 percent).

While the proportion of both men and women enrolled in a tertiary qualification has increased steadily between 1999 and 2005, it has decreased slightly since 2005. Women have consistently had a higher rate of enrolment than men over this period, as shown in the graph below.

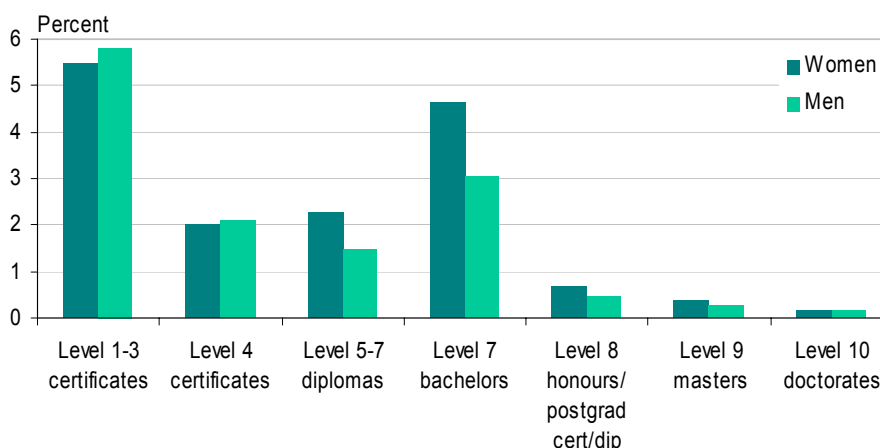
**Figure 29: Age-standardised participation in tertiary education, by gender, 1999-2007**



Source: Ministry of Education

Men are slightly more likely than women to be enrolled in a lower level qualification, while women are more likely than men to be enrolled in qualifications between levels five and nine.

**Figure 30: Age-standardised participation in tertiary education, by gender and level of qualification, 2007**



Source: Ministry of Education

**Ethnic differences**

*Māori women have the highest levels of participation in tertiary education of all gender and ethnic groupings.*

The proportion of people participating in tertiary education in 2007 varied significantly by ethnicity. Māori women had the highest levels of participation overall, followed by Māori men and Pacific women, as shown in the table below.

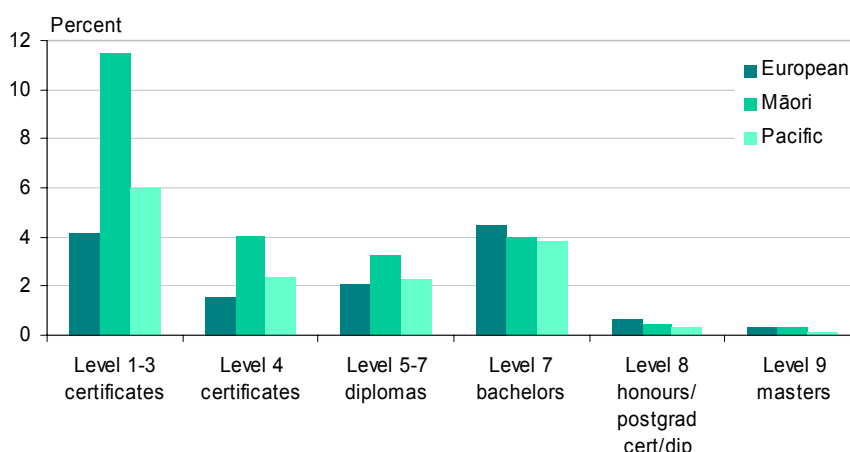
**Table 10: Age-standardised participation in tertiary education (all levels), by gender and ethnicity, 2007**

	Māori	Pacific	European
Women	21.0%	13.8%	12.6%
Men	14.4%	10.0%	11.6%

Source: Ministry of Education

Women’s participation levels also vary by the level of qualification they are undertaking. Māori women in particular have very high levels of participation in sub-degree level qualifications; however European women are slightly more likely than Māori and Pacific women to study at bachelor degree level.

**Figure 31: Women’s age-standardised participation in tertiary education, by ethnicity and level of qualification, 2007**



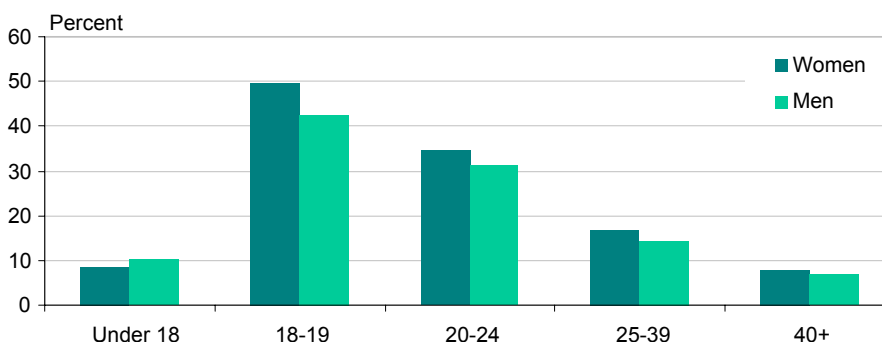
Source: Ministry of Education

**Age differences**

*Women are more likely to be participating in tertiary education than men in all age groups over 18 years of age.*

Participation in tertiary education varies by age, and the trends are similar for both men and women. Women are more likely than men to be participating in tertiary education at all age groups above 18 years of age, as shown in the graph below.

**Figure 32: Participation in tertiary education, by gender and age, 2007**



Source: Ministry of Education

## Joblessness

### Definition

The jobless are defined as those people who are officially unemployed (available for and actively seeking work) plus those people who were without employment and either: available, but not actively seeking work; or actively seeking, but not available for work.

The Jobless Rate used here is the number of jobless people expressed as a percentage of the working age population, as measured by the Household Labour Force Survey.

### Relevance

Jobless rates measure the proportion of people who do not have a paid job and would like one, and provide an indication of the extent to which job opportunities are available. Jobless rates provide a better indication than unemployment rates of the extent to which appropriate job opportunities are available to women.

This is because unlike unemployment rates, jobless rates include those who would like a job but are not actively looking for one, or are not available to work right now. There are many reasons why a person who would like paid work may not be actively looking for it, or available to work right now. These include having trouble finding the right kind of work in their locality, or work that fits around other responsibilities such as caring for family members.

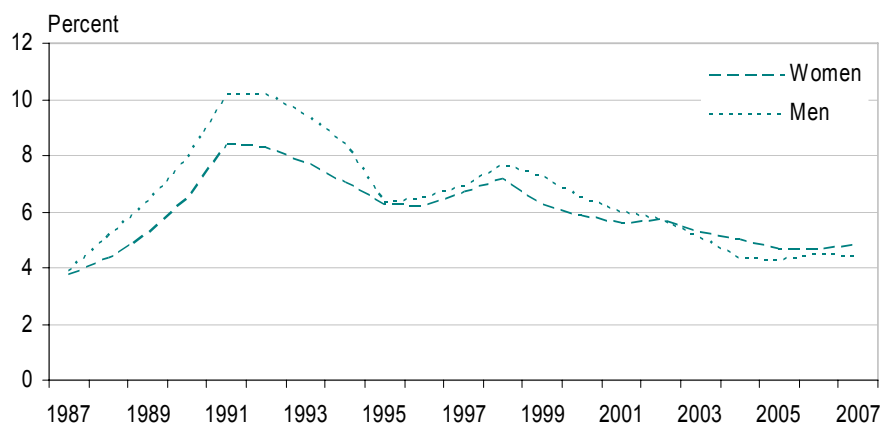
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### **Current level and trends**

*Women are slightly more likely to be jobless than men.*

The overall jobless rate in 2007 was 4.6 percent. Women were slightly more likely to be jobless than men with a rate of 4.8 percent, compared with 4.4 percent for men. The jobless rate in 2007 was relatively low compared with the rates experienced over much of the last two decades, as shown in the graph below.

**Figure 33: Jobless rate, by gender, 1987-2007**



Source: Statistics New Zealand

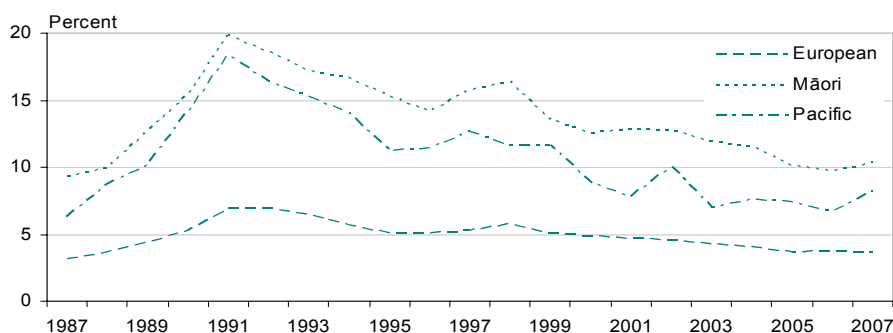
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### **Ethnic differences**

*Māori and Pacific women are more likely to be jobless than European women.*

Māori and Pacific women consistently experience much higher jobless rates than European women, as shown below. Both Māori and Pacific women, however, have been experiencing a significant reduction in jobless rates since 1991. This has narrowed the gap between these groups and European women, whose jobless rate tends to be much more stable.

**Figure 34: Female jobless rate, by ethnicity, 1987-2007**



Source: Statistics New Zealand

In 2007, Māori women had the highest jobless rate of all ethnic and gender groupings, while European men and women had the lowest rates, as shown in the table below.

**Table 11: Jobless rate, by gender and ethnicity, 2007**

	Māori	Pacific	European
Women	10.3%	8.2%	3.7%
Men	8.8%	7.0%	3.6%
Total	9.6%	7.6%	3.7%

Source: Statistics New Zealand

*Note:* The differences between the genders for European and Pacific people were not statistically significant in 2007.

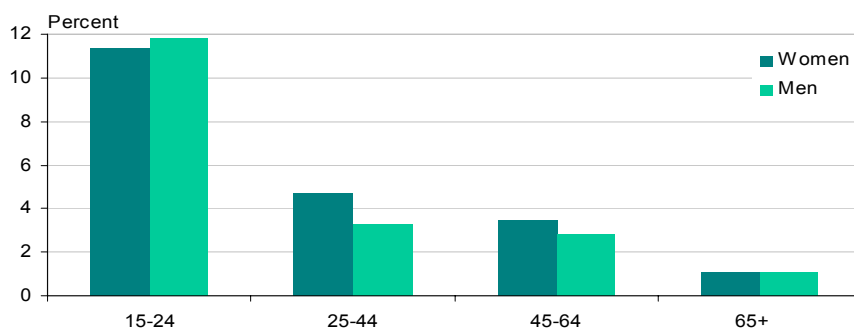
**Age differences**

*Women in their prime child-rearing years (aged 25-44) are more likely to be jobless than men in the same age group.*

Age has an impact on the jobless rate. The jobless rate for both men and women is highest among 15-24 year olds, and declines for each consecutive age group.

Jobless rates are similar for the youngest and oldest age groups of men and women, however women have a significantly higher rate in the 25-44 year old age group. This corresponds with the ages when child-rearing typically takes place.

**Figure 35: Jobless rate, by gender and age, 2007**



Source: Statistics New Zealand

## Median hourly earnings

### Definition

Median hourly earnings from all wages and salaries for employees earning income from wage and salary jobs, as measured by the New Zealand Income Survey.

### Relevance

Median hourly earnings provide an indicator of the financial return from paid employment, independent of the number of hours worked. The difference between median hourly earnings for women and men, as a percentage of men's median hourly earnings, provides a key indicator of the gender pay gap.

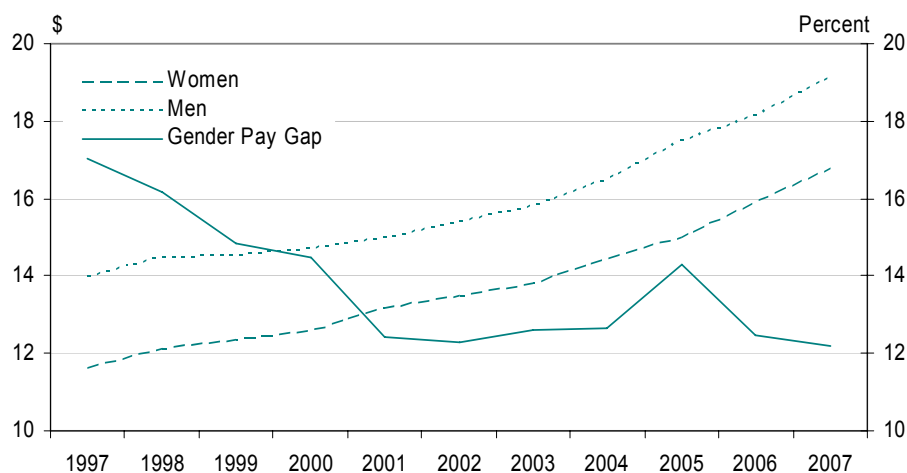
#### Current level and trends

*Men continue to have higher median hourly earnings than women. The gender pay gap has not significantly narrowed since 2001.*

On average, men continue to earn significantly more per hour than women. In 2007, women's median hourly earnings were \$16.78, compared with \$19.11 for men. This equates to a difference of 12.2 percent of men's wages, or \$2.33 per hour.

As shown in the graph below, men's and women's hourly earnings have both increased over time. As both men's and women's median hourly earnings have been increasing by similar amounts since 2001, there has been very little downward movement in the pay gap over this time.

**Figure 36: Median hourly earnings, by gender, 1997-2007**



Source: Statistics New Zealand

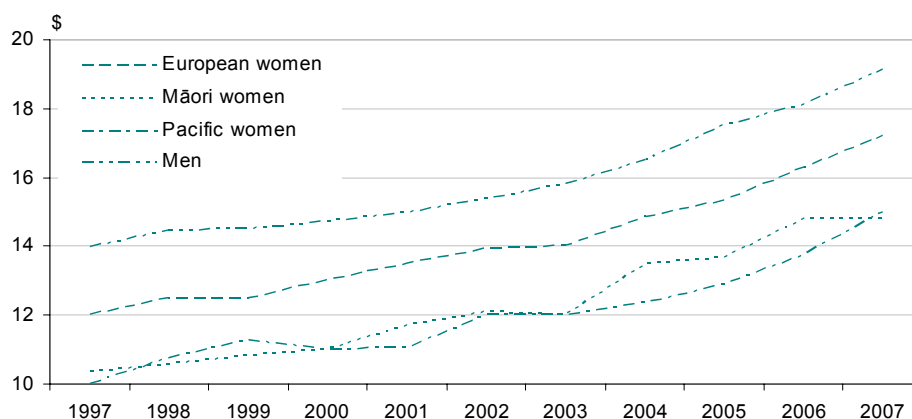
#### Ethnic differences

*Māori and Pacific women continue to experience lower median hourly earnings than European women.*

Median hourly earnings vary significantly according to ethnicity. In 2007, European women earned more (\$17.22) than both Māori and Pacific women (\$14.80 and \$15.00 respectively). The difference between the median hourly earnings of Māori and Pacific women was not statistically notable.

There were also differences between genders for two ethnicities. European men earned more than European women in 2007 (\$20.00 compared with \$17.22), and Māori men earned more than Māori women (\$16.00 compared with \$14.80). There was no difference between Pacific men's and women's median hourly earnings, with both genders earning \$15.00 per hour.

**Figure 37: Median hourly earnings, by gender and ethnicity, 1997-2007**



Source: Statistics New Zealand

Between 1997 and 2007, European men experienced the largest dollar increase to their median hourly earnings; however Pacific women’s median hourly earnings increased the most in percentage point terms over this period, as shown in the table below.

**Table 12: Increase in median hourly earnings, by gender and ethnicity, 1997-2007**

	Māori		Pacific		European	
	Women	Men	Women	Men	Women	Men
Percent	42.9%	35.0%	50.0%	33.3%	43.6%	39.9%
Dollar value	\$4.44	\$3.75	\$5.00	\$4.15	\$5.23	\$5.70

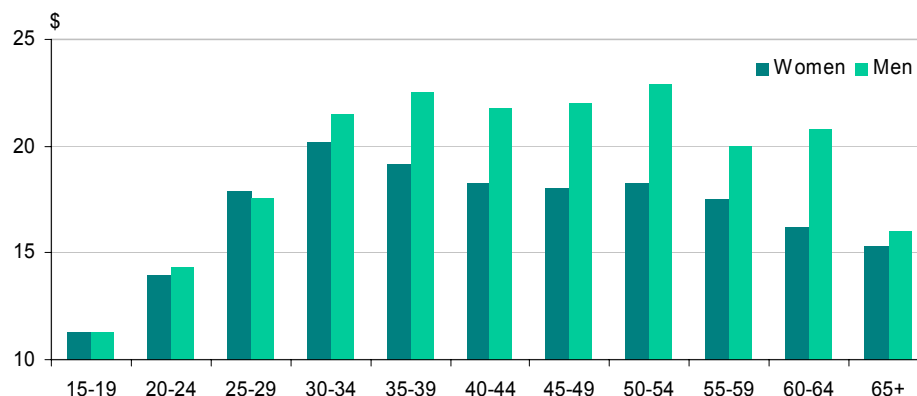
Source: Statistics New Zealand

**Age differences**

*Women in their early thirties earn more per hour than women in other age groups. Amongst men, those in their early fifties earn the most per hour.*

Men’s and women’s median hourly earnings vary significantly by age. Between the ages of 35 and 64, there is a statistically notable difference, with men earning more than women. The start of this gap corresponds with the ages when women are most likely to be raising children. In 2007, women’s median hourly earnings were highest for the 30-34 age group at \$20.23, while men’s hourly earnings were highest in the 50-54 age group at \$22.92.

**Figure 38: Median hourly earnings, by gender and age, 2007**



Source: Statistics New Zealand



# Weekly incomes

## Definition

Median personal weekly income from all sources and weekly income by quintiles, New Zealand Income Survey.

## Relevance

Income is an important indicator of a person’s ability to provide for themselves, have a good quality of life, and participate in their community. For many women, household, rather than personal, income is the key determinant of their current standard of living, as financial resources are often shared within couples.

It is also important, however, to consider personal incomes. A person’s ability to provide for themselves in retirement and during times when they may not have a partner, or their partner is not able to work, is a factor in their long-term economic well-being. If women have lower incomes than men on average, they may be more vulnerable to financial hardship at certain times in their lives.

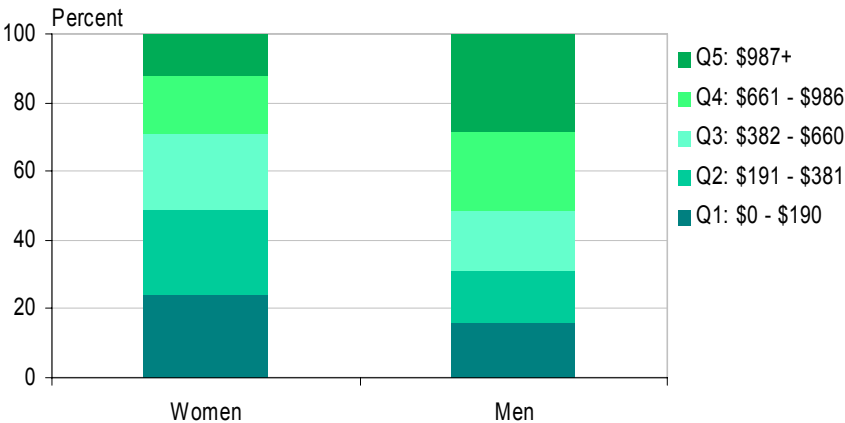
### Current level and trends

*In 2007, the median weekly income of women was 42 percent lower than that of men.*

In 2007, women had a median weekly income of \$392.00 compared with \$675.00 for men. This is a difference of 42 percent of men’s incomes. This represents a small improvement since 1997, when the gender income gap was 44.3 percent.

The distribution of incomes differs between genders. In 2007, 28 percent of men earned more than \$987 per week (the highest 20 percent of incomes), compared with just 12 percent of women. Men made up 69 percent of those in this income quintile. Women were on average more likely than men to have low incomes. In 2007, 23 percent of women earned less than \$190 per week (the lowest income quintile), compared with 16 percent of men. Of those who earned the lowest 20 percent of weekly incomes, 63 percent were women. There has been no notable change in the distribution of women’s weekly incomes over the past ten years.

**Figure 39: Weekly income distribution in quintiles, by gender, 2007**



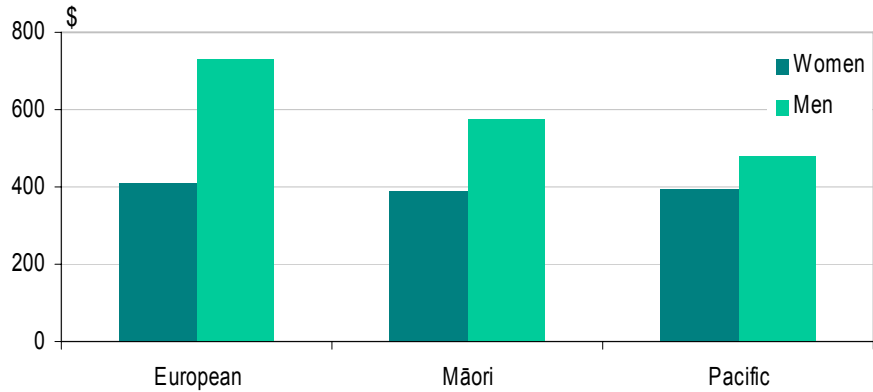
Source: Statistics New Zealand

**Ethnic differences**

*European men have significantly higher weekly incomes than men of other ethnicities. The weekly incomes of women, however, do not differ much for different ethnic groups.*

There was no statistically notable difference between the median weekly incomes of women of different ethnicities in 2007. Ethnicity was, however, a factor in the weekly incomes of men over this period, as shown in the graph below.

**Figure 40: Median weekly income, by gender and ethnicity, 2007**



Source: Statistics New Zealand

There was no statistically notable difference in the distribution of weekly incomes between Māori men and women, or Pacific men and women in 2007. European women, however, were less likely than European men to be in the highest income quintile, and more likely to be in the lower two income quintiles.

There was no statistically notable difference in income distribution between women of different ethnicities in 2007, or in the income distribution of women of any ethnic group between 1997 and 2007.

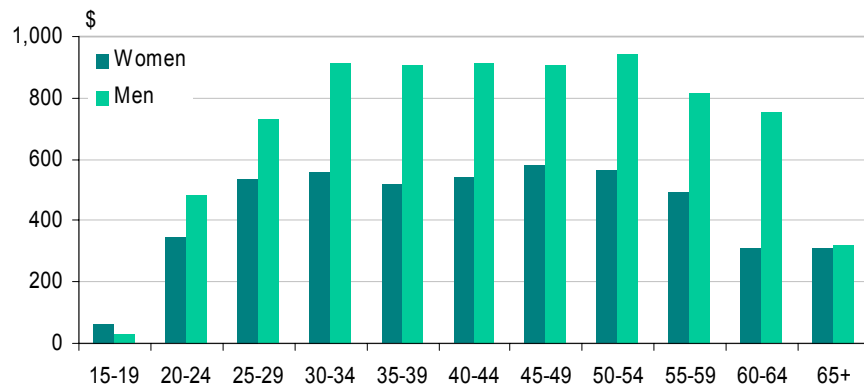
**Age differences**

*Women's median weekly income is around 40 percent lower than that of men between the ages of 30 and 65.*

Women's median weekly incomes are significantly lower than men's for all age groups except 15-19 year olds and those over 65 years of age. The differences in income between men and women are larger for those age groups when childrearing typically takes place.

The income gap created by this difference does not close in the working-age groups. Only in the 65+ age bracket do men's and women's weekly incomes converge. This reflects the provision of universal superannuation.

**Figure 41: Median weekly income, by gender and age, 2007**



Source: Statistics New Zealand



# Work-life Balance Indicators

- Total work time
- Access to early childhood education



## **Work-life balance**

**Goal:** Greater work-life balance will be achieved in New Zealand.

Work-life balance refers to women's ability to attain their preferred work-life balance. This means that women are able to:

- successfully integrate paid work with their personal and family lives
- make the contribution they desire to their community
- access support and services that allow them to achieve their preferred work-life balance.

There is no 'right' work-life balance. What constitutes a good work-life balance will differ for different people, depending on their personal preferences and values, and their stage of life.

As more women enter the workforce, there is a risk that women may experience more time pressure and have difficulty balancing paid work with other responsibilities, particularly if women continue to take greater responsibility for unpaid work.

### **Indicators:**

- Total work time
- Access to early childhood education.

# Total work time

## Definition

The average time per day spent in paid and unpaid work, counting primary activities only, as measured by the *New Zealand Time Use Survey*. Unpaid work includes household work, caregiving for household members, purchasing goods and services, and unpaid work outside the home.

## Relevance

Total work time provides an indicator of how time-rich or time-poor people are. As women on average do a significant amount of unpaid work, it is important that both paid and unpaid work is taken into account.

To date, New Zealand has carried out one Time Use Survey, in 1998/99. This means that it is not yet possible to consider trends over time in the total time spent working. The Time Use Survey will be repeated in 2009/10. This indicator will be updated to show trends once data from this survey is available.

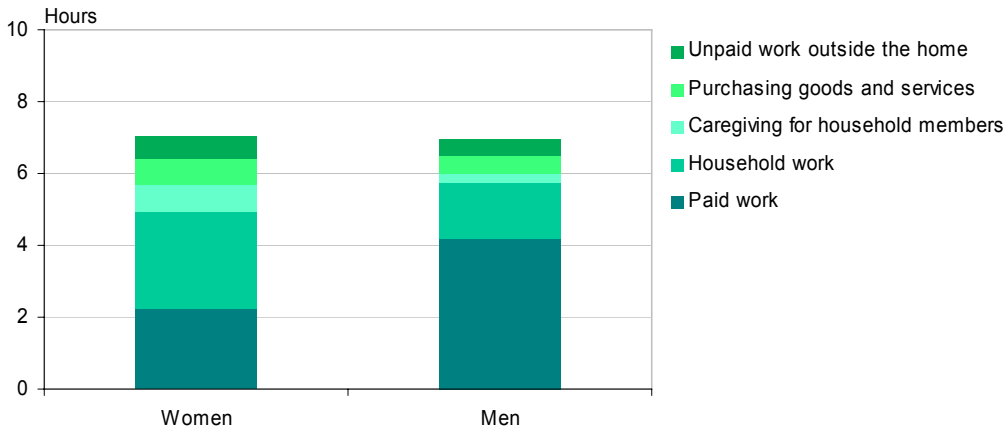
### Current level and trends

*Men and women spend similar time working, but 70 percent of women's work time is unpaid, compared with 40 percent of men's work time.*

In 1998/99, the average number of hours per day spent on paid and unpaid work combined was 7.0 hours for both men and women.

There were significant differences in the kinds of work men and women did. On average, women spent 4.8 hours per day on unpaid work and 2.2 hours on paid work. Men spent 2.8 hours on unpaid work and 4.2 hours on paid work.

**Figure 42: Average hours per day spent on paid and unpaid work, by gender, primary activities only, 1998/99**



Source: Statistics New Zealand

The Time Use Survey measured time spent on primary activities and simultaneous activities. Women spent considerably more time working when both primary and simultaneous work activities are counted. Women spent 7 hours per day on average on simultaneous work activities (such as being responsible for the care of children while doing another activity), compared with 4 hours for men.

### Ethnic differences

On average, Māori women and non-Māori women spent similar amounts of time on unpaid work (4.7 and 4.8 hours respectively). Māori women spent less time (1.8 hours) on paid work than non-Māori women (2.3 hours) and Māori men (3.4 hours). However, Māori women spent more time caring for household members (1.0 hours per day) than non-Māori women (0.7 hours) and men (0.3 hours).

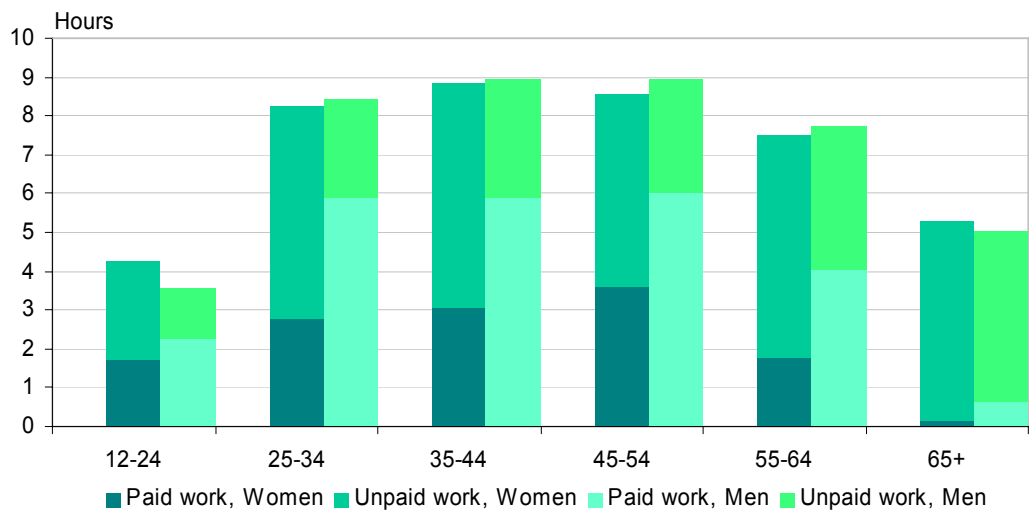
**Age differences**

*Total work time is highest between the ages of 35 and 44 for both women and men*

Total work time was highest for women and men aged 35-44 years, with total work reaching a high of 8.8 hours per day for women and 9.0 hours per day for men within this age group.

The proportion of time that women on average spent on unpaid work was significantly higher in the age groups over 25 years, reflecting the unpaid work associated with raising families. While the time spent on paid work is much smaller for those over 65 years of age, this age group continues to spend a significant amount of time on unpaid work.

**Figure 43: Average hours per day spent on paid and unpaid work, by gender and age, 1998/99**



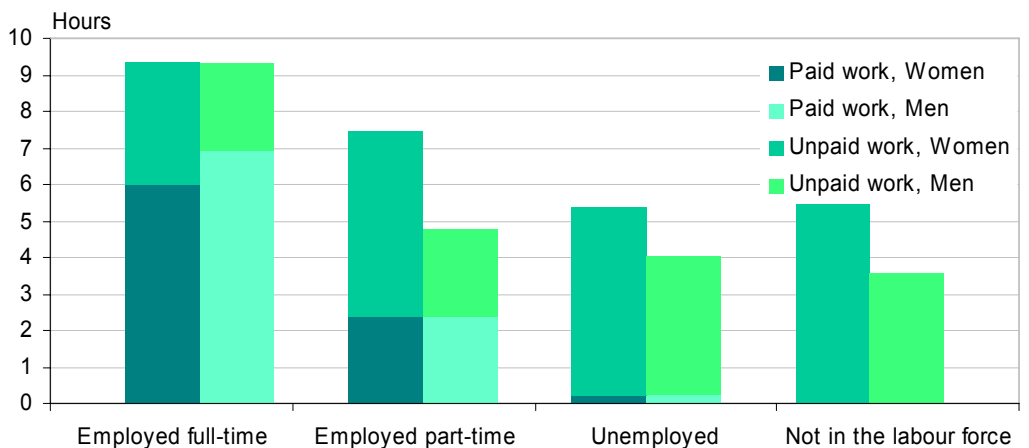
Source: Statistics New Zealand

**Labour force status**

*The amount of unpaid work women do only decreases once they are employed full-time.*

Women and men employed full-time had the longest total work hours, and spent a very similar amount of time working in total. Women who were employed part-time, unemployed, or not in the labour force spent more time working in total than men in these groups. While men spent considerably less time on unpaid work if they were employed (either full-time or part-time), women employed part-time spent almost the same amount of time on unpaid work as women who were not in the labour force. The amount of time women spent on unpaid work reduced only once women were employed full-time.

**Figure 44: Average hours per day spent on paid and unpaid work, by gender and labour force status, 1998/99**



Source: Statistics New Zealand



## Access to early childhood education

### Definition

This indicator measures the following aspects of accessibility.

- *Affordability*: the index of early childhood education (ECE) fees, as measured by the Consumer Price Index.
- *Availability*: the proportion of licensed ECE services with enrolment waiting times of at least six months.
- *Proximity*: the proportion of the population under the age of five with at least one licensed ECE service within 10 kilometres of their home.

### Relevance

If women are not able to access early childhood education services, this can act as a barrier to them participating in the workforce if they wish to do.

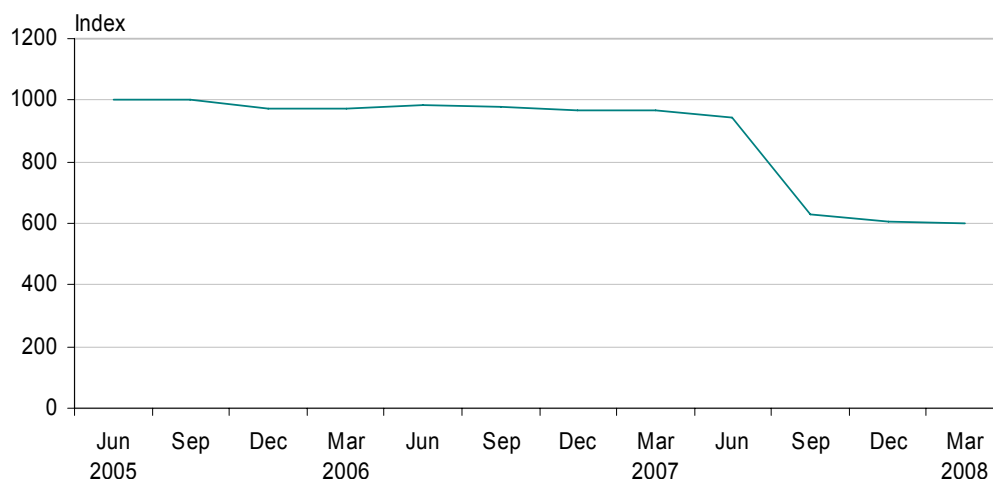
#### **Current level and trends**

*Early childhood education (ECE) is becoming more affordable, particularly for three- and four-year-olds.*

#### **Affordability**

For ECE to be accessible, fees need to be affordable. Overall, ECE fees have reduced substantially since June 2007 after the introduction of 20 hours of free ECE for three- and four-year-olds. An increase in average hourly earnings over this period has also made fees more affordable. On average, ECE fees decreased by 32 percent between June 2005 and March 2008. When the increase in average hourly earnings is taken into account, ECE fees have become 40 percent more affordable during this period.

**Figure 45: Index of ECE fees, adjusted by income, June 2005 – March 2008**



Source: Statistics New Zealand

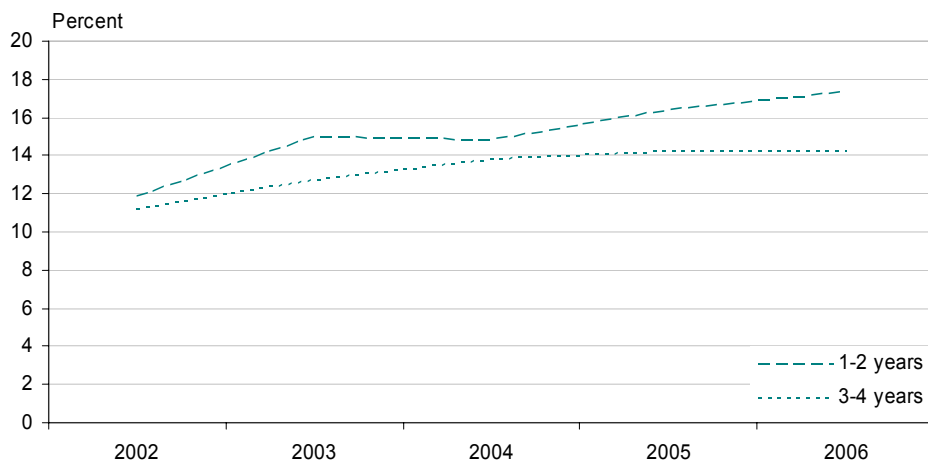
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*Long waiting times are becoming more common, particularly for one- and two-year-old children.*

### **Availability**

For ECE to be accessible, enough places need to be available to meet demand. Waiting times for enrolment provide an indication of whether enough places are available. The proportion of licensed ECE services with enrolment waiting times of at least six months has increased, particularly for one- and two-year-old children. In 2006, 17 percent of licensed ECE services had a waiting time of at least six months for one- and two-year-old children. For three- and four-year-old children, 14 percent of licensed ECE services had waiting times of at least six months.

**Figure 46: Percentage of licensed ECE services with a waiting time of at least six months, by age of child, 2002-2006**



Source: Ministry of Education

Despite more ECE services having waiting times of at least six months, overall participation in ECE continues to increase. In 2007, 65 percent of children aged under five years were enrolled in ECE, compared with 60 percent in 2002.<sup>21</sup>

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### **Proximity**

To have access, ECE services need to be available within a reasonable proximity from the child's home. Around 98 percent of the population under the age of five have at least one licensed ECE service within 10 kilometres of their home. Three-quarters of children living in urban areas live within 2.8 kilometres of the licensed ECE service they attend. Three-quarters of children living in rural areas live within 13 kilometres of the licensed ECE service they attend.

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# Technical Details



## Technical Details

Indicator	Definitions and technical notes
<p><b>Ethnicity</b></p> <p>Source: Statistics New Zealand, Census of Population and Dwellings</p> <p>Dates: 2006</p>	<p><i>Ethnicity</i>: calculated as total ethnicity. This means that those with multiple ethnicities are included multiple times, causing the total to equal more than 100 percent. For the 2006 Census, 'Middle Eastern/Latin American/African' (MELAA) has been separated from 'Other'; and 'New Zealander' has been included in 'Other', rather than being included in the 'European' category as it was in 2001.</p>
<p><b>Life expectancy</b></p> <p>Source: Statistics New Zealand</p> <p>Dates: 1985-87, 2002-2003, 2005-07</p>	<p><i>Life expectancy</i>: the average length of life of a newborn baby assuming they experience the age-specific mortality rates of a given period throughout their life.</p> <p><i>Ethnicity</i>: calculated as total ethnicity. This means that those with multiple ethnicities are included multiple times, causing the total to equal more than 100 percent.</p>
<p><b>Fertility</b></p> <p>Source: Statistics New Zealand</p> <p>Dates: Year ended December 1987-2007</p>	<p><i>Births per woman</i>: based on the total fertility rate concept, which is the average number of live births that a woman would have during her life if she experienced the age-specific fertility rates of a given period (usually a year). It excludes the effect of mortality.</p> <p><i>Ethnicity</i>: calculated as total ethnicity. This means that those with multiple ethnicities are included multiple times, causing the total to equal more than 100 percent.</p>
<p><b>Marital status</b></p> <p>Source: Statistics New Zealand, Census of Population and Dwellings</p> <p>Dates: 2006</p>	<p><i>Legal marital status</i>: a person's status with respect to registered marriage or civil union.</p>
<p><b>Employment</b></p> <p>Source: Statistics New Zealand</p> <p>Dates: Year ended March 1993-2007</p>	<p><i>Labour force participation</i>: the proportion of the population aged 15 years and over who regularly work for one or more hours per week for financial gain, or work without pay in a family business, or are unemployed and actively seeking part-time or full-time work.</p> <p><i>Full-time</i>: those who usually work 30 hours or more per week.</p> <p><i>Part-time</i>: those who usually work fewer than 30 hours per week.</p>

Indicator	Definitions and technical notes
<p><b>Disability</b></p> <p>Source: Statistics New Zealand, 2006 Disability Survey</p> <p>Dates: 2006</p>	<p><i>Disability</i>: any self-perceived limitation in activity resulting from a long-term condition or health problem; lasting or expected to last six months or more and not completely eliminated by an assistive device.</p>
<p><b>Health expectancy</b></p> <p>Source: Ministry of Health</p> <p>Dates: 1996, 2001, 2006 (2006 provisional)</p>	<p><i>Health expectancy</i>: the number of years, on average, that a person can expect to live independently – that is, free of functional limitation needing assistance (whether intermittently or on a daily basis).</p> <p><i>Ethnicity</i>: presented in terms of Māori and non-Māori, based on a prioritised ethnicity classification.</p> <p>Māori: all people who indicated New Zealand Māori as one of their ethnic groups, regardless of whether any other ethnic group was also specified.</p> <p>Non-Māori: people who did not indicate New Zealand Māori as one of their ethnic groups.</p> <p>Health expectancy is calculated, in part, by using data from Statistics New Zealand’s Disability Survey. In 2006, this survey reported a significantly lower rate of disability than previous surveys in 1996 and 2001. The apparent decline in the disability rate is likely to be due to a combination of factors relating to the way the 2006 survey was conducted, people’s perceptions of disability, as well as possible real world change. Statistics New Zealand cautions users about making strong inferences from apparent trends between 2001 and 2006. As such, comparisons in health expectancy between 2006 and previous surveys should also be made with caution.</p>
<p><b>Self-reported health status</b></p> <p>Source: Ministry of Health, New Zealand Health Survey</p> <p>Dates: 2002/03, 2006/07</p>	<p><i>Ethnicity</i>: the 2006/07 survey used a total ethnicity methodology, whereby a person can be classified to more than one ethnic group. For the 2002/03 survey, ethnicity was prioritised when the respondent identified with two or more ethnicities. In such cases, a single ethnic group was assigned using the following priority rules:</p> <ul style="list-style-type: none"> <li>• if Māori is one of the groups reported, assigned to ‘Māori’</li> <li>• if any Pacific ethnic group is reported, assigned to ‘Pacific’</li> <li>• if any Asian ethnic group is reported, assigned to ‘Asian’</li> <li>• all other respondents are assigned to ‘European/Other’.</li> </ul> <p><i>Deprivation Quintiles</i>: The New Zealand Deprivation Index 2001 (NZDep2001) is used as the key indicator of socio-economic status. It is an area-based index of deprivation based on Census 2001 variables (e.g. income, house ownership and qualifications). NZDep2001 Census Area Units (CAUs) were divided into five quintiles, where quintile 1 is the least deprived and quintile 5 the most deprived.</p>

Indicator	Definitions and technical notes
<p><b>Access to health services</b></p> <p>Source: Ministry of Health, New Zealand Health Survey</p> <p>Dates: 2002/03, 2006/07</p>	<p><i>Ethnicity:</i> the 2006/07 survey used a total ethnicity methodology, whereby a person can be classified to more than one ethnic group. For the 2002/03 survey, ethnicity was prioritised when the respondent identified with two or more ethnicities. In such cases, a single ethnic group was assigned using the following priority rules:</p> <ul style="list-style-type: none"> <li>• if Māori is one of the groups reported, assigned to 'Māori'</li> <li>• if any Pacific ethnic group is reported, assigned to 'Pacific'</li> <li>• if any Asian ethnic group is reported, assigned to 'Asian'</li> <li>• all other respondents are assigned to 'European/Other'.</li> </ul> <p><i>Unable to see a GP:</i> those in the population that were unable to see a GP when they needed to in the past 12 months because of cost, lack of transport or lack of childcare. Other reasons for not seeing a GP when a person needed to were also collected in the New Zealand Health Survey but were not included in this indicator.</p> <p><i>Deprivation Quintiles:</i> The New Zealand Deprivation Index 2001 (NZDep2001) is used as the key indicator of socio-economic status. It is an area-based index of deprivation based on Census 2001 variables (e.g. income, house ownership and qualifications). NZDep2001 Census Area Units (CAUs) were divided into five quintiles, where quintile 1 is the least deprived and quintile 5 the most deprived.</p>
<p><b>Workplace injury claims</b></p> <p>Source: Claims reported to the Accident Compensation Corporation (ACC).</p> <p>Dates: 2002-2006</p>	<p>Workplace injury rates are calculated using data on full-time equivalent employees from Statistics New Zealand's Household Labour Force Survey (HLFS).</p> <p>Data relates to claims made for the calendar year. Data for 2006 is provisional and includes claims that had been reported up to 31 March 2007.</p> <p><i>Workplace injury rate:</i> the number of workplace accident insurance claims per 1,000 full-time equivalent employees, excluding those employees who received accident and emergency treatment only.</p> <p><i>Ethnicity:</i> respondents in the HLFS may specify that they belong to more than one ethnic group. This is reported using a prioritisation framework. However, ACC claims data allow for only one ethnic group to be coded. This means that in the calculation of incidence rates, the numerator and denominator are measured in different ways.</p>



Indicator	Definitions and technical notes
<p><b>Criminal victimisation and reporting</b></p> <p>Source: Ministry of Justice, New Zealand Crime and Safety Survey 2006</p> <p>Dates: 2005</p>	<p>The New Zealand Crime and Safety Survey (NZCASS) provides a count of household and personal victimisation in New Zealand. It does not cover commercial crimes, 'victimless crimes' (such as drug or alcohol abuse) or crimes against people under 15 years of age.</p> <p>All victimisations from 1 January 2005 to the date of the interview were included. Interviews were undertaken from 9 February 2006 to 25 June 2006. Victimisations that occurred after the end of 2005 were not included in the 2005 victimisation estimate, but participants were invited to talk about them if they wanted. This was so participants would avoid giving a 2005 date for a 2006 incident.</p> <p>Note that due to methodological differences between the NZCASS 2006 and past victimisation surveys, comparisons between surveys and any inferences about trends in victimisation should be approached with caution.</p> <p>Participants filled in a self-completion victim form for personal crimes. Where a participant reported more than three incidents of victimisation, the victim form was completed for three randomly selected victimisations.</p> <p><i>Survey population:</i> total usually resident, non-institutionalised, civilian population of New Zealand aged 15 years and over. As such it excludes long-term residents of old peoples' homes, hospitals and psychiatric institutions; inmates of penal institutions; those members of the New Zealand armed forces who live in institutional settings; non-New Zealand diplomats and their non-New Zealand staff; members of non-New Zealand armed forces stationed in New Zealand; overseas visitors stationed in New Zealand for less than 12 months; and residents of offshore islands, except Waiheke.</p> <p><i>Prevalence rate:</i> percentage of those over 15 years of age who experienced criminal victimisation at least once.</p> <p><i>Incidence rate:</i> number of victimisations experienced per one hundred of the population. This rate counts multiple victimisations.</p> <p><i>Ethnicity:</i> where respondents identified themselves as belonging to more than one ethnic group, each was used in analysis.</p> <p><i>Partner:</i> includes any and all partners in 2005 (heterosexual and same-sex).</p>
<p><b>Concern about crime</b></p> <p>Source: Ministry of Justice, New Zealand Crime and Safety Survey 2006</p> <p>Dates: 2005</p>	<p>The New Zealand Crime and Safety Survey (NZCASS) provides information on New Zealanders' concerns about crime. The NZCASS asks participants how their quality of life was affected by their fear of crime on a scale of 0 (no effect) to 10 (total effect). The NZCASS also asks participants about their concerns of particular types of victimisation. Interviews were undertaken from 9 February 2006 to 25 June 2006.</p> <p><i>Survey population and Ethnicity:</i> refer to notes for Criminal Victimisation and Reporting indicator above.</p>

Indicator	Definitions and technical notes																				
<p><b>Representation of women in leadership and governance positions</b></p> <p>Source: Various (see Definitions)</p> <p>Dates: Various (see Definitions)</p>	<p>Sources:</p> <p>Department of the Prime Minister and Cabinet (2007) <i>Ministerial List: As at 5 November 2007</i>. <a href="http://www.dpmc.govt.nz/cabinet/ministers/ministerial-list.html">http://www.dpmc.govt.nz/cabinet/ministers/ministerial-list.html</a>.</p> <p>Electoral Commission (5 April 2006) <i>Māori, Pacific and Asian MPs 1990-2005</i>. <a href="http://www.elections.org.nz/democracy/electorates/ethnicity-mps.html#gen0">http://www.elections.org.nz/democracy/electorates/ethnicity-mps.html#gen0</a>.</p> <p>Electoral Commission (9 May 2006) <i>Women in Parliament 1933-2005</i>. <a href="http://www.elections.org.nz/files/women_in_parliament.xls">http://www.elections.org.nz/files/women_in_parliament.xls</a>.</p> <p>Human Rights Commission (2008) <i>New Zealand Census of Women's Participation 2008</i>. Wellington: Human Rights Commission.</p> <p>Inter-Parliamentary Union (30 June 2008) <i>Women in National Parliaments</i>. <a href="http://www.ipu.org/wmn-e/arc/classif300608.htm">http://www.ipu.org/wmn-e/arc/classif300608.htm</a>.</p> <p>Ministry for Culture and Heritage (6 November 2007) <i>Female MPs 1993-2002 (graph)</i>. <a href="http://www.nzhistory.net.nz/media/photo/women-mps-in-parliament">http://www.nzhistory.net.nz/media/photo/women-mps-in-parliament</a>.</p> <p>Parliamentary Library (no date) <i>Members of Parliament: Current MPs</i>. <a href="http://www.parliament.nz/en-NZ/MPP/MPs/MPs/">http://www.parliament.nz/en-NZ/MPP/MPs/MPs/</a>.</p> <p>The table on women's representation provides the proportion of women in certain positions in 2007 (unless otherwise specified). The specific points in time these figures relate to are outlined below:</p> <table data-bbox="851 718 1747 1053"> <tr> <td>Judiciary</td> <td>Calculated as at...</td> </tr> <tr> <td>State sector boards and committees – Ministerial appointees</td> <td>31 December 2007</td> </tr> <tr> <td>Directorships of the top-100 NZSX Companies</td> <td>December 2007</td> </tr> <tr> <td>Directorships of Crown companies</td> <td>9 October 2007</td> </tr> <tr> <td>District Health Boards</td> <td>1 January 2008</td> </tr> <tr> <td>Chief Executives of Public Service Departments</td> <td>31 December 2007</td> </tr> <tr> <td>Local Government:</td> <td>12 December 2007</td> </tr> <tr> <td>- Councillors</td> <td>2007 elections</td> </tr> <tr> <td>- Mayors</td> <td></td> </tr> <tr> <td>School Boards of Trustees</td> <td>2007 elections</td> </tr> </table> <p><i>Local government councillors:</i> includes City, District, and Regional Councillors.</p>	Judiciary	Calculated as at...	State sector boards and committees – Ministerial appointees	31 December 2007	Directorships of the top-100 NZSX Companies	December 2007	Directorships of Crown companies	9 October 2007	District Health Boards	1 January 2008	Chief Executives of Public Service Departments	31 December 2007	Local Government:	12 December 2007	- Councillors	2007 elections	- Mayors		School Boards of Trustees	2007 elections
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Local Government:	12 December 2007																				
- Councillors	2007 elections																				
- Mayors																					
School Boards of Trustees	2007 elections																				
<p><b>Educational attainment</b></p> <p>Source: Statistics New Zealand Household Labour Force Survey</p> <p>Dates: Average for year ended December 1996, 2001, 2004-2007</p>	<p>Note that many people in the 15 to 24 age group may still be studying for both upper-secondary and tertiary qualifications, resulting in this age group being less likely to hold qualifications than older age groups.</p> <p><i>Ethnicity:</i> Ethnicity is calculated as total ethnicity (rather than prioritised). This means that those with multiple ethnicities are included multiple times, causing the total to equal more than 100 percent.</p> <p><i>Tertiary qualification:</i> Any formally recognised qualification undertaken at a recognised tertiary institution.</p> <p><i>At least upper secondary qualification:</i> Any formally recognised qualification at NCEA level 3 and above from a recognised provider. Includes tertiary qualifications.</p>																				

Indicator	Definitions and technical notes
<p><b>Participation in tertiary education</b></p> <p>Source: Ministry of Education</p> <p>Dates: 1999-2007</p>	<p>Data relates to domestic students only, enrolled at any time during the year with a tertiary education provider in a formal qualification of greater than 0.03 EFTS. Data excludes all non-formal learning and on-job industry training, and those Private Training Establishments and Other Tertiary Education Providers that neither received tuition subsidies nor were approved for student loans or allowances.</p> <p><i>Ethnicity:</i> Ethnicity is calculated as total ethnicity (rather than prioritised). This means that those with multiple ethnicities are included multiple times, causing the total to equal more than 100 percent.</p> <p><i>Participation in tertiary qualification:</i> Proportion of the population aged 15 years and over who were enrolled in a tertiary qualification at any time during the year.</p> <p><i>Tertiary qualification:</i> Any formally recognised qualification undertaken at a recognised tertiary institution.</p>
<p><b>Jobless rate</b></p> <p>Source: Household Labour Force Survey</p> <p>Dates: Average for year ended December 1987-2007</p>	<p><i>Ethnicity:</i> Ethnicity is calculated as total ethnicity (rather than prioritised). This means that those with multiple ethnicities are counted in each ethnic category identified, causing the total to equal more than 100 percent.</p> <p><i>Jobless:</i> the jobless are defined as the officially unemployed plus those people who during their reference week were without employment and either: available, but not actively seeking work; or actively seeking, but not available for work.</p> <p><i>Jobless rate:</i> the jobless rate is the number of jobless people expressed as a percentage of the working age population. The jobless rate in this publication is calculated differently to the way Statistics New Zealand normally publishes it – where the rate is expressed as a percentage of jobless people plus employed people. This means that the jobless rate reported in this publication is lower than that published elsewhere by Statistics New Zealand.</p>
<p><b>Median hourly earnings</b></p> <p>Source: New Zealand Income Survey</p> <p>Dates: 1997-2007 (June quarter)</p>	<p><i>Hourly earnings:</i> relates to the number of hours usually worked and the usual income, rather than the hours actually paid for and actual hours worked during the survey period.</p> <p><i>Ethnicity:</i> Ethnicity is calculated as total ethnicity (rather than prioritised). This means that those with multiple ethnicities are counted in each ethnic category identified, causing the total to equal more than 100 percent.</p>
<p><b>Weekly income</b></p> <p>Source: New Zealand Income Survey</p> <p>Dates: 1997-2007 (June quarter) quintile data; 2007 (June quarter) median data.</p>	<p><i>Ethnicity:</i> Ethnicity is calculated as total ethnicity (rather than prioritised). This means that those with multiple ethnicities are counted in each ethnic category identified, causing the total to equal more than 100 percent.</p> <p><i>Income Quintiles:</i> The weekly incomes of a population is ranked from highest to lowest and is then divided into 5 equal groups. The upper quintile will therefore contain the top 20% of incomes, while the lowest will contain the bottom 20% of incomes etc.</p>

Indicator	Definitions and technical notes
<p><b>Total work time</b></p> <p>Source: Statistics New Zealand, Time Use Survey</p> <p>Dates: 1998/99</p>	<p>The Time Use Survey recorded the amount of time spent on different activities including paid work, unpaid work and leisure. The survey was undertaken between July 1998 and June 1999 and involved respondents recording their time use over a 48-hour period. The survey population was individuals aged 12 and over living in private households.</p> <p><i>Average minutes per day:</i> The average time spent on an activity on days on which people reported doing that activity.</p> <p><i>Unpaid work:</i> Unpaid work includes household work, caregiving for household members, purchasing goods and services, and unpaid work outside the home.</p> <p><i>Paid work:</i> Time spent on 'labour force activities', including working for pay or profit, travel associated with paid work, education or training in paid work time, and job search activities.</p> <p><i>Total work time:</i> Time spent on paid work and unpaid work combined.</p> <p><i>Primary activities:</i> The activity which respondents listed in the first column of their time use diaries, which was headed 'What were you doing?'</p> <p><i>Simultaneous activities:</i> Activities that respondents listed in the second column of their time use diaries, which was headed 'what else were you doing at the same time?'</p> <p><i>Ethnicity:</i> presented in terms of Māori and non-Māori, based on a prioritised ethnicity classification.</p> <p>Māori: All people who indicated New Zealand Māori as one of their ethnic groups, regardless of whether any other ethnic group was also specified.</p> <p>Non-Māori: People who did not indicate New Zealand Māori as one of their ethnic groups.</p>
<p><b>Access to early childhood education (ECE)</b></p> <p>Source: Ministry of Education, <i>State of Education in New Zealand</i></p> <p>Dates: 2002-2006</p> <p>Source: Statistics New Zealand, Consumer Price Index and Quarterly Employment Survey</p> <p>Dates: June 2005–March 2008 quarter</p>	<p><i>Licensed ECE services:</i> premises used regularly for the education or care of three or more children under the age of six must be licensed, except if it has been specifically exempted by the Minister of Education. Licensed ECE services include education and care centres, kindergartens, playcentres, home-based services, and correspondence schools. This information is sourced from the Ministry of Education.</p> <p><i>Affordability:</i> the index of ECE fees, relative to income. The index of fees paid for ECE is measured by the Consumer Price Index. When this index is adjusted by average hourly earnings from the Quarterly Employment Survey, it gives an indication of whether ECE fees have become more or less affordable. This is the same method used by the Ministry of Education in developing their ECE affordability indicator.</p> <p><i>Availability:</i> the proportion of licensed ECE services with enrolment waiting times of at least six months. This information is sourced from the Ministry of Education.</p> <p><i>Proximity:</i> the proportion of the population under the age of five with at least one licensed ECE service within ten kilometres of their home. This information is sourced from the Ministry of Education.</p>



## Endnotes

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- <sup>1</sup> Statistics New Zealand (2001) 'Gender and Unpaid Work: Findings from the Time Use Survey'. *Key Statistics July 2001*, 9–12.
- <sup>2</sup> The reduction in the proportion of women identifying with the European ethnicity is partly due to the inclusion of New Zealander as part of the Other category in the 2006 Census. Previously, New Zealander was included within the European category.
- <sup>3</sup> The 2000-2002 life tables provide the most recent breakdown of life expectancy by ethnicity.
- <sup>4</sup> Labour force includes all people aged 15 years and over who regularly work for one or more hours per week for financial gain, or work without pay in a family business, or are unemployed and actively seeking part-time or full-time work.
- <sup>5</sup> Mayhew, Pat and Reilly, James (2007) *New Zealand Crime and Safety Survey 2006: Key Findings*. Wellington: Ministry of Justice..
- <sup>6</sup> There are a number of methodological differences between the *New Zealand National Survey of Crime Victims 2001* and the *New Zealand Crime and Safety Survey 2006*. Due to these differences, inferences about trends in victimisation are not included.
- <sup>7</sup> Morris, Alison, Reilly, James, Berry, Shiela and Ransom, Robin (2003) *New Zealand National Survey of Crime Victims 2001*. Wellington: Ministry of Justice.
- <sup>8</sup> 'sexual offences' refer to forced sexual intercourse, attempted forced sexual intercourse, distressing sexual touching, and other offences of sexual violence.
- <sup>9</sup> 'confrontational offences' refer to assaults and threats (to a person, or personal property).
- <sup>10</sup> Mayhew, Pat and Reilly, James (2007) *New Zealand Crime and Safety Survey 2006: Key Findings*. Wellington: Ministry of Justice.
- <sup>11</sup> *ibid.*
- <sup>12</sup> *ibid.*
- <sup>13</sup> The data for those aged 60 and above are too unreliable to draw any conclusions. In general, however, it appears that in 2005 those aged 60 and above are at lower risk than others of being victimised.
- <sup>14</sup> Mayhew, Pat and Reilly, James (2007) *Community Safety: Findings from the New Zealand Crime and Safety Survey 2006*. Wellington: Ministry of Justice.
- <sup>15</sup> 'confrontational offences' refer to assaults and threats (to a person, or personal property).
- <sup>16</sup> Mayhew, Pat and Reilly, James (2007) *Community Safety: Findings from the New Zealand Crime and Safety Survey 2006*. Wellington: Ministry of Justice.
- <sup>17</sup> Electoral Commission (9 May 2006) *Women in Parliament 1933-2005*. [http://www.elections.org.nz/files/women\\_in\\_parliament.xls](http://www.elections.org.nz/files/women_in_parliament.xls).
- <sup>18</sup> While there are 120 seats in the New Zealand parliament, the current parliament is in 'overhang' with 121 seats. This occurs when a party wins more electorate seats than the total share of seats it would otherwise be allocated based on its share of party votes. The overhang seats (the number above the party vote entitlement) are added to the usual 120 seats until the following general election.
- <sup>19</sup> Department of the Prime Minister and Cabinet (2007) *Ministerial List: As at 5 November 2007*. <http://www.dpmc.govt.nz/cabinet/ministers/ministerial-list.html>.
- <sup>20</sup> Electoral Commission (5 April 2006) *Māori, Pacific and Asian MPs 1990-2005*. <http://www.elections.org.nz/democracy/electorates/ethnicity-mps.html#gen0>.
- <sup>21</sup> The participation rate used here is calculated using the total number of children enrolled in early childhood education divided by the total population. Because children can enrol at more than one early childhood education service, double counting of some children does occur.

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