

# **Health Needs Assessment**

# **Lakes District Health Board**

For the Ministry of Health

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# Health Needs Assessment Lakes District Health Board

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#### **EXECUTIVE SUMMARY**

The report identifies the unmet health and healthcare needs of the Lakes District Health Board (DHB) population by comparing the health status of Māori and non-Māori. The information contained in the report has been designed to assist the Lakes DHB in determining priorities for its planning and decision-making to achieve health gain in its population.

#### Demographics and social determinants of health

Lakes DHB had a population of 101,520 at the last (2006) census, this is expected to rise by 4.1 percent by 2026. Lakes DHB has a large Māori population, which is dominated by young people. Whilst the non-Māori population is predicted to age significantly by 2026, the Māori population, although becoming more evenly distributed, will remain predominantly young.

The Lakes DHB population is more dominant in the higher deprivation deciles. Representation of Māori, in particular, increases as the deprivation deciles increase.

#### **Health status**

#### Avoidable mortality and hospitalisations

There was no statistically significant difference in the rate of avoidable mortality between Māori and non-Māori in the Lakes DHB. Three of the top five leading causes of avoidable mortality were the same for Māori and non-Māori. These were ischaemic heart disease, lung cancer, and motor vehicle accidents.

The avoidable hospitalisation rates for total Māori and Māori women in the Lakes DHB were significantly higher compared to non-Māori. Respiratory infections, dental conditions, ENT infections, and angina were four of the top five leading causes of avoidable hospitalisations for both Māori and non-Māori.

#### Child and youth health

Respiratory infections, ENT infections, and disorders related to length of gestation and fetal growth disease were three of the top five leading causes of hospitalisations for Māori and non-Māori children under 5 years.

Asthma and cellulitis were leading causes for Māori children 5-14 years while injuries to the elbow and forearm and injuries to the head were leading causes for non-Māori children.

The suicide mortality rate for Māori youth 15-24 years was also statistically significantly higher than that for non-Māori youth in the Lakes DHB.

Asthma hospitalisation for children less than 15 years of age was significantly higher than that observed nationally with Māori children having statistically significantly higher rates of asthma admissions than non-Māori children.

#### Older people

Four of the top five leading causes of mortality for older Māori people in the Lakes DHB were the same as those nationally. These were ischaemic heart disease, lung cancer, COPD, and stroke.

Three of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Lakes DHB were COPD, respiratory infections, and angina.

#### Health service utilisation

In the Lakes DHB, 71.2 percent of Māori children had received all specified immunisation vaccines by the age of two, which was lower than the non-Māori coverage rate.

Over half of Māori people aged 65 years and over either received an influenza vaccine, or had an agreement made by a primary health provider to receive an influenza vaccine in the past 12 months.

Of eligible women in the Lakes DHB aged 50-64 years, less than half of Māori women had a mammogram to check for early signs of breast cancer in the past two years which was lower than the non-Māori rate (60.6%).

Of Māori women aged 20 to 69 years in the Lakes DHB who had a primary health care provider, 58.9 percent had a cervical smear in the past three years which was lower than the non-Māori percentage (81.3%).

#### INTRODUCTION

A health needs assessment (HNA) is an analysis of a population's demand and need for health services. Health needs assessments can help create a picture of the health status of District Health Board (DHB) population at a given time.

The current HNA compares the health status between Māori and non-Māori by providing a descriptive analysis of the data, with the statistical information accessible in an easy-to-use format. The most recent data available are presented for each indicator. The report, along with the full suite of data tables that sit behind the figures and text, will be available on CPHROnline (<a href="http://cphronline.massey.ac.nz/">http://cphronline.massey.ac.nz/</a>). This is an interactive website which displays a wide range of downloadable public health data in tabular, graph and map formats. CPHROnline also has the capacity to display time trends by DHBs on major health risk factors, behaviours and conditions.

It is intended that this profile of Māori and non-Māori health will provide the basis for a continuous updating of the data on CPHROnline as new data becomes available from the national health data sets (i.e. mortality, hospitalisations, and cancer registrations).

In this HNA, information is presented about the Lakes DHB on:

- 1. Demographic characteristics.
- 2. Socioeconomic characteristics.
- 3. The health status, such as rates of cancer, and diabetes.
- 4. Health service utilisation

The findings of the HNA are summarised in the executive summary, together with key points at the beginning of each chapter. It is anticipated that the information in the report will provide robust, high quality evidence for policy development and decision making across the health sector. It will enable decision makers to lead and manage effectively by being able to respond quickly to a population's health needs and emerging issues of their respective DHB.

## **METHODS AND DATA SOURCES**

#### **Data Notes**

In the report, information is presented on the most recently available data from a variety of sources (Table 1).

**Table 1:** Data sources for numerators

Source	Data	Period	Type of data
Ministry of Health	Mortality collection data set- mortality	2006-2008	National collection
	National Minimum Data Set (NMDS)- hospitalisations	2007-2009	National collection
	New Zealand Cancer Registrations (NZCR)- cancer registrations	2005-2007	National collection
Statistics New Zealand	Demographics Population	2006	Census
	projections	2006-2026	Official Estimates
	Socioeconomic indicators	2006	Census
District Health Board New Zealand (DHBNZ)	Vaccinations	2009-2010	Primary care
	Breast Cancer Screening	2009-2010	Primary care
	Cervical Cancer Screening	2009-2010	Primary care

## **Identifying the Years of Data Collection**

In this report '2006-08' denotes three full calendar years of data for mortality, cancer registrations '2005-07', and hospitalisation data are for years '2007-09'.

#### **National Collections**

The Ministry of Health has operational responsibility for national collections of health and disability information which include the mortality collections, national minimum data set (NMDS), and the New Zealand Cancer Registry (NZCR). National collections and systems provide valuable health information to support decision-making in policy development, funding and the point of care. Further information about the national systems can be obtained from the website:

http://www.health.govt.nz/nz-health-statistics/national-collections-and-surveys/collections

#### **Disease Classification**

The International Classification of Disease Australian Modification, 10<sup>th</sup> revision (ICD-10-AM) has been used to identify diseases/conditions for reporting mortality, hospitalisations and cancer registrations (refer to Appendix 5 for a full list of ICD-10-AM codes).

#### **Ethnicity Classification**

Ethnicity data are presented in two ways; 'total response' and 'prioritised'. In 'total response', a respondent is counted in each of the ethnic groups they selected. This means that the sum of the ethnic group population will exceed the total population because people can select more than one ethnic group.

In the 'prioritised' method, each respondent is allocated to a single ethnic group using the priority system (Māori > Pacific peoples > Asian >European/Other). For example a person who selects (when asked their ethnicity) both Māori and European would only be included in the Māori grouping.

Prioritised ethnicity classifies a person as Māori if any one of their recorded ethnicities was Māori. So for Māori, prioritised and total response outputs are the same. All other people were recorded as non-Māori and represent a comparative or reference group.

#### **Denominators**

Population information was obtained from Statistics New Zealand. In general the denominators used for calculating the rates were derived from 2006 Census population data. Any other denominators used are indicated in the tables.

#### **Rates**

Rates are calculated as the proportion of the population associated with the indicator compared with the total population of interest. Rates are expressed per 100 (percent), per 1000, per 10,000 or per 100,000. Age-specific rates are shown for defined age groups.

In this report, rates have not been calculated for counts less than 5. These have been presented as 0.0 in this report.

#### Age-standardised Rates (ASRs)

Where appropriate and indicated in the tables, rates have been age-standardised to enable comparison between population groups with different age structures. The standard population used was the 2001 Census Māori population (males and females combined) using five-year age groups up to 84, then 85+. Use of a Māori population standard creates rates that are a close approximation of the crude overall rates for Māori and thus better reflect the experience of the Māori population.

#### **Confidence Intervals**

In the report, 95% confidence intervals for the rates are presented, where appropriate. The confidence interval gives an indication of the margin of error associated with the rate estimates. When the 95% confidence intervals of two rates do not overlap, the difference in rates between the groups is said to be statistically significant with 95% confidence.

Larger populations and more common conditions usually have narrower confidence intervals and so have a greater likelihood of achieving a statistically significant difference than results with smaller numbers.

Certain cells within the mortality, hospitalisation, and cancer registration tables (see Appendices 2-4) have been shaded to indicate whether the age-standardised rates (ASR) between two groups are statistically significant. The two comparisons being made are:

Māori ASR compared to non-Māori ASR within District Health Board:

#### Māori ASR statistically significantly higher than non-Māori ASR

Māori ASR statistically significantly lower than non-Māori ASR

District Health Board ASR compared to New Zealand ASR:

#### DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

#### **Ranking of Leading Causes**

Ranking the leading causes of mortality and hospitalisations indicates the most frequently occurring causes of death or hospitalisation by using the ASR as the ranking criterion.

# How to interpret tables in this report

Explains what the table is about, and that the data is age-standardised

Age-Standardised Rate for the female Māori population in the DHB The 95 percent confidence interval of the age-standardised rate

– and indicator of margin of error

The blue shades highlights differences between Māori and non- Māori within the District Health Board

The red/pink shades highlights differences between the District Health Board and New Zealand

Table 2.1.17: Ischaemic heart disease mortality 65+ years, age-standardised rate per 160,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total			
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence		
DHB	Female	863.7	749.8 - 977.7	536.3	521.5 - 551.0	541.1	526.6 - 555.6		
	Male	550.1	463.9 - 636.3	718.4	698.2 - 738.6	721.0	701.3 - 740.8		
	Total	919.1	824.6 - 1013.7	622.3	610.1 - 634.5	626.8	614.9 - 638.8		
New Zealand	Female	893.9	878.3 - 909.5	394.7	392.6 - 396.7	422.3	420.2 - 424.4		
	Male	1416.1	1393.1 - 1439.1	728.8	725.4 - 732.2	765.7	762.3 - 769.1		
	Total	1123.8	1105 - 1137.0	545.4	543.5 - 547.3	577.2	575.2 - 579.1		
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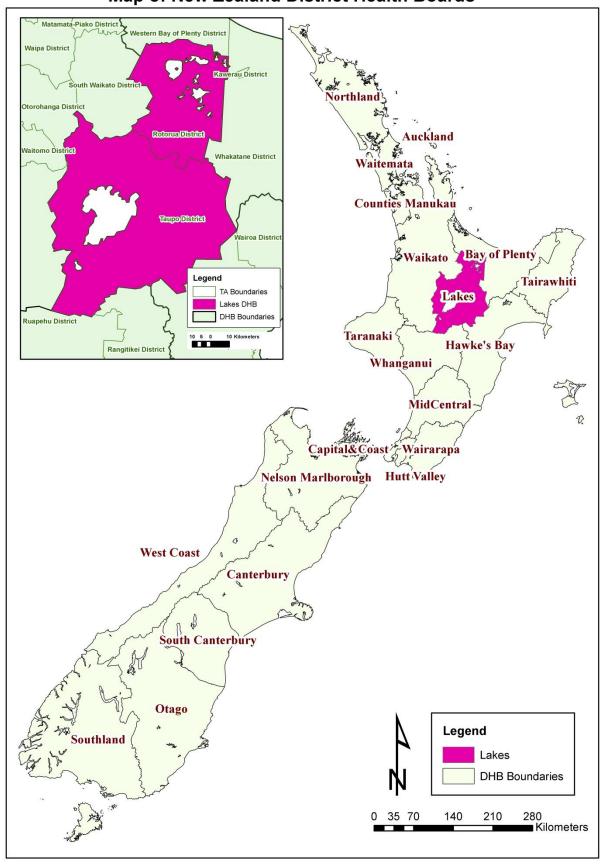
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non- Māori population in the DHB (622.3 per 100,000)

The light blue shows that the ASR for the male Māori population in the DHB (550.1 per 100,000) is statistically significantly lower than the ASR for the male non- Māori population in the DHB (718.4 per 100,000)

The red shows that the ASR for the total population in the DHB (626.8 per 100,000) is statistically significantly higher than the ASR for the total population in NZ (577.2 per 100,000)

The pink shows that the ASR for the total male population in the DHB (721.0 per 100,000) is statistically significantly lower than the ASR for the total male population in NZ (765.7 per 100,000)

# Map of New Zealand District Health Boards



## 1 THE POPULATION

Lakes DHB had a population of 101,520 at the last (2006) census, making up approximately 2.4 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise to 105,730 by 2026, an increase of 4.1 percent, compared to 19.2 percent for New Zealand.

#### 1.1 Ethnicity

The proportion of people identifying themselves as Māori in Lakes DHB is more than double that of New Zealand as a whole, (33.6% compared to 14.6%). This represents 5.4 percent of the New Zealand Māori population (2006 Census).

#### 1.2 Population Distribution by Age and Gender

The majority of the Lakes DHB population (64.1%) are of working age (15-64 years), this makes up a lesser proportion of the population than in New Zealand as a whole (66.5%), (Table 1.1). There are proportionately more young people (aged 0-14 years) and fewer elderly (aged 65+ years) in the Lakes DHB when compared to the New Zealand population.

It is projected that by 2026, the proportion in the 65+ age group will have increased by 78.7 percent in Lakes DHB compared to an increase of 84.5 percent nationally. Populations of both young people and those of working age are predicted to decline in Lakes DHB, (by 12.1% and 3.6% respectively). Trends for the rest of New Zealand are for modest increases in these two age groups (4.6% and 12.0% respectively).

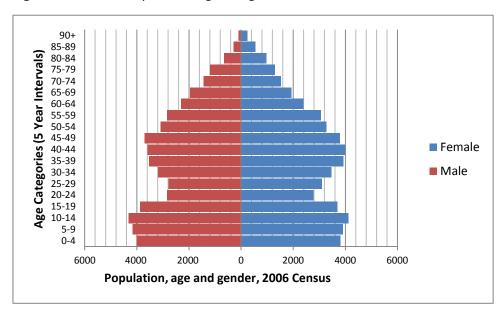
**Table 1:1:** Percentage population, age and gender, 2006 Census, 2026

Location	Age Group	20	06(Base Populatio	on)	2026 (Projected Population)				
Location		Male	Female	Total	Male	Female	Total		
	0-14	25.1	22.9	24.0	21.0	19.4	20.2		
Lakes	15-64	63.7	64.6	64.1	59.4	59.3	59.4		
	65+	11.2	12.6	11.9	19.5	21.3	20.4		
	0-14	22.2	20.3	21.2	19.4	17.9	18.6		
New Zealand	15-64	66.6	66.5	66.5	62.7	62.2	62.5		
Zealana	65+	11.2	13.2	12.2	17.9	19.9	18.9		

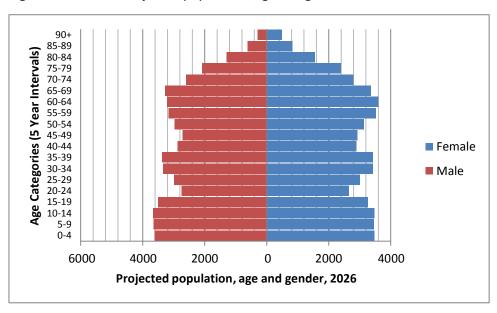
Table 1:2:Population change, age and gender, 2006 Census, 2026

Location	Age		2006(Base)			2026		Percentage increase 2006-2026			
LOCATION	Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	0-14	12480	11830	24320	10940	10410	21370	-12.3	-12.0	-12.1	
Lalias	15-64	31670	33430	65110	30920	31840	62760	-2.4	-4.8	-3.6	
Lakes	65+	5590	6500	12090	10160	11430	21600	81.8	75.8	78.7	
	Total	49740	51760	101520	52020	53680	105730	4.6	3.7	4.1	
	0-14	454960	433360	888310	477070	451780	928840	4.9	4.3	4.6	
New	15-64	1364450	1420210	2784650	1545220	1573770	3119010	13.2	10.8	12.0	
Zealand	65+	228930	282690	511620	440280	503800	944080	92.3	78.2	84.5	
	Total	2048340	2136260	4184580	2462570	2529350	4991930	20.2	18.4	19.3	

Figure 1: Population, age and gender, 2006 Census



**Figure 2:** Projected population, age and gender, 2026

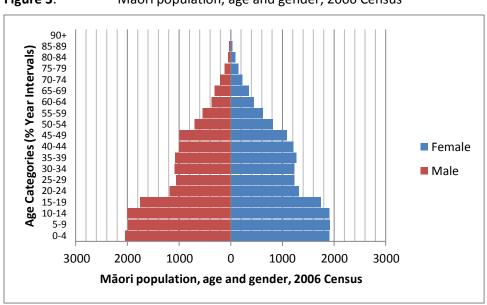


# 1.3 Population Distribution by Ethnicity

The Lakes Māori population is younger than both the non-Māori and total Lakes populations. The Māori population is dominated by young people (peak population 0-4 years). By comparison the non-Māori population is dominated by those of working age, with a peak population at 45-49 years.

Over the period 2006-2026, the Māori population is predicted to increase across all age categories. By comparison the non-Māori population is expected to decline significantly in both the 0-14 and 15-65 age categories.

Despite the largest population increase occurring in the 65+ age group (119.6%), the predicted Māori population in 2026 is still dominated by young people, with the peak population remaining at 0-4 years. Over the same period the non-Māori population becomes dominated by older people with peak population occurring at 65-69 years.



**Figure 3**: Māori population, age and gender, 2006 Census

Figure 4: Non-Māori population, age and gender, 2006 Census

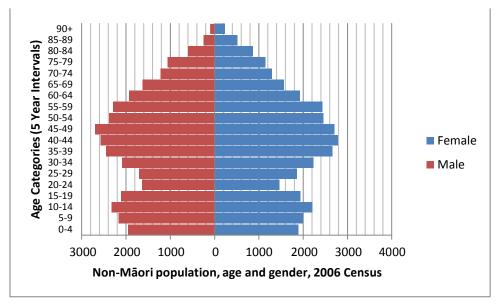


Table 1:3:Māori population change, age and gender, 2006 Census, 2026

Location	Age		2006(Base)			2026		Percentage increase 2006-2026			
Location	Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	0-14	6040	5740	11770	6180	5890	12070	2.3	2.6	2.5	
Lakes	15-64	9790	10990	20790	11450	12230	23690	17.0	11.3	13.9	
DHB	65+	730	860	1580	1460	2010	3470	100.0	133.7	119.6	
	Total	16560	17590	34140	19090	20130	39230	15.3	14.4	14.9	
	0-14	110480	104810	215310	132290	125860	258150	19.7	20.1	19.9	
New	15-64	183640	199700	383320	236750	246600	483350	28.9	23.5	26.1	
Zealand	65+	11680	14010	25710	30830	38330	69150	164.0	173.6	169.0	
	Total	305800	318520	624340	399870	410790	810650	30.8	29.0	29.8	

Table 1:4: Non-Māori population change, age and gender, 2006 Census, 2026

Lacation	Age		2006(Base)			2026		Percentage increase 2006-2026			
Location	Group	Male	Male Female Total		Male	Male Female		Male	Female	Total	
	0-14	6440	6090	12550	4760	4520	9300	-26.1	-25.8	-25.9	
Lakes	15-64	21880	22440	44320	19470	19610	39070	-11.0	-12.6	-11.8	
DHB	65+	4860	5640	10510	8700	9420	18130	79.0	67.0	72.5	
	Total	33180	34170	67380	32930	33550	66500	-0.8	-1.8	-1.3	
	0-14	344480	328550	673000	344780	325920	670690	0.1	-0.8	-0.3	
New	15-64	1180810	1220510	2401330	1308470	1327170	2635660	10.8	8.7	9.8	
Zealand	65+	217250	268680	485910	409450	465470	874930	88.5	73.2	80.1	
	Total	1742540	1817740	3560240	2062700	2118560	4181280	18.4	16.5	17.4	

**Figure 5:** Projected Māori population, age and gender, 2026

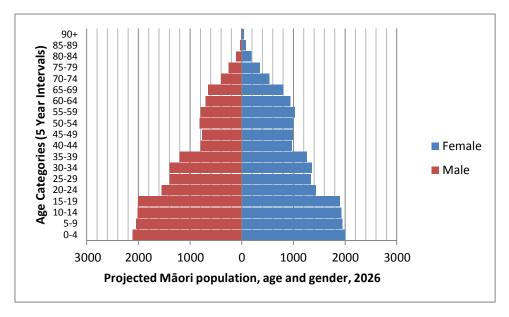
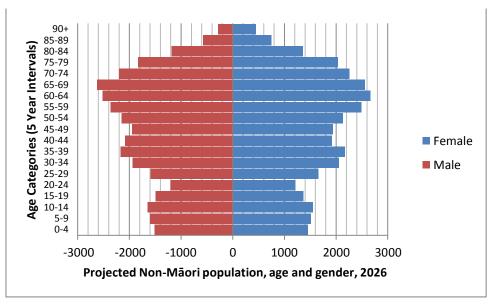


Figure 6: Projected non-Māori population, age and gender (2026)



# 2 SOCIAL DETERMINANTS OF HEALTH

The World Health Organisation defines the social determinants of health as:

"..The circumstances, in which people are born, grow up, live, work and age, and the systems put in place to deal with illness. These circumstances are in turn shaped by a wider set of forces: economics, social policies, and politics", (World Health Organisation, 2008).

The following section examines social and economic determinants of health through the New Zealand Index of Deprivation and through some of the individual indicators used to determine 'deprivation' in New Zealand.

## 2.1 The New Zealand Index of Deprivation (NZDep06)

The New Zealand Index of Deprivation (NZDep06) provides a numerical rating of socio economic status by small area unit. This is based on nine indicators taken from the 2006 Census and across eight dimensions of deprivation. The numerical scale is divided into population deciles with 1 representing the least deprived and 10 representing the most deprived, (Salmond, Crampton, & Atkinson, 2007).

In Lakes DHB the proportion of communities in each decile generally increases with increasing levels of deprivation. Whilst non-Māori show no trends in distribution across the deciles, Māori representation increases with each deprivation deciles. This trend, for Māori, towards the higher deprivation deciles, is similar to, but more pronounced than, that seen nationally.

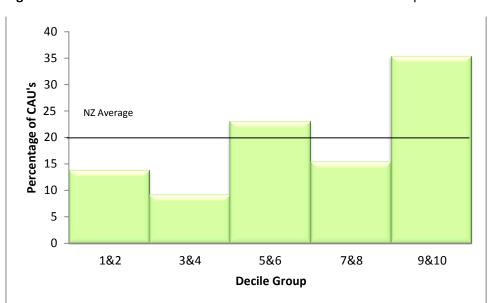


Figure 7: Distribution of Lakes DHB Area Units across NZDep06 Decile Groups, 2006 Census

Figure 8: Lakes DHB population, ethnicity and NZDep06 Decile

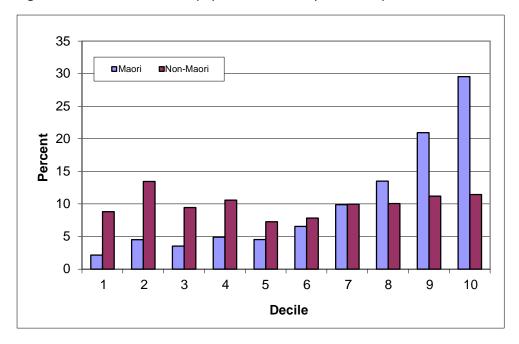
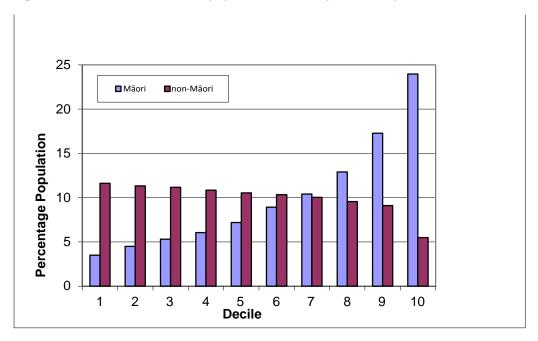


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



## 2.2 Education

The population of Lakes DHB has a lower proportion of university graduates (degree level and above) (9.1%), compared to the New Zealand population (14.2%). It also has a higher rate of people with no qualifications (25.0% compared to 22.4% for New Zealand).

#### 2.3 Income

The Lakes DHB population has a lower proportion of the population earning over \$30,000 in personal income; 32.7 percent compared to 37.3 percent for New Zealand. This represents a lower proportion of people earning around or above the average annual personal income in New Zealand, which stood at \$33,189 in 2006/07 (Statistics New Zealand, 2012).

# 2.4 Employment

The employment rate for the Lakes DHB population is similar to that for New Zealand (94.3% compared to 94.9%). In terms of type of employment, there is a slightly lower proportion of professionals and managers in the Lakes (33.2% compared to 36.0% nationally) and a higher proportion of machine operators and labourers (19.6% compared to 16.8% nationally).

# 2.5 Housing Tenure

Figures for housing tenure in Lakes DHB are similar to those nationally.

**Table 2:1:** Proportion of DHB households, housing tenure, 2006 Census

	Unit	Total,	Total,	Total,	Not	Total
		dwelling	dwelling not	dwelling held	elsewhere	
		owned or	owned or	in a family	included	
		partly owned	partly owned	trust by usual		
		by usual	by usual	resident(s)		
		resident(s)	resident(s)			
Lakes	Number	61623	40014	13071	8190	122901
Lakes	Percentage	50.1	32.6	10.6	6.7	100.0
New	Number	743955	451965	167925	90333	1454178
Zealand	Percentage	51.2	31.1	11.6	6.2	100.0

#### 2.6 Communications and Transport

Fewer people have access to a home telephone (81.9%) and the internet (52.5%) in Lakes DHB compared to New Zealand overall (87.8% and 58.0% respectively).

Access to a motor vehicle is slightly higher in Lakes DHB than nationally. Only 6.9 percent of the Lakes population have no access to a motor vehicle compared to 7.8 percent nationally.

# **3 HEALTH STATUS**

An understanding of the general health status of a population is important for ensuring the provision of adequate health services. This information is also important for determining priority issues for the District Health Board. This chapter presents information about health status for people living in the Lakes DHB district, in comparison to all New Zealanders.

# **Key points**

- Three of the top five leading causes of avoidable mortality were the same for Māori and non-Māori. These were ischaemic heart disease, lung cancer, and motor vehicle accidents.
   The leading causes of avoidable mortality in the Lakes DHB were the same as those nationally: ischaemic heart disease, motor vehicle accidents, suicide, lung cancer, and diabetes.
- The avoidable hospitalisation rates for total Māori and Māori women in the Lakes DHB were statistically significantly higher compared to non-Māori. The rate was also statistically significantly higher in the Lakes DHB compared to the national rate.
- Respiratory infections, dental conditions, ENT infections, and angina were four of the top
  five leading causes of avoidable hospitalisations for both Māori and non-Māori. In the Lakes
  DHB, asthma was a leading cause for women while angina was a leading cause for men.
- Respiratory infections, ENT infections, and disorders related to length of gestation and fetal
  growth disease were three of the top five leading causes of hospitalisations for Māori and
  non-Māori children under 5 years. In the Lakes DHB, disorders related to length of gestation
  and fetal growth disease was a leading cause for girls while asthma was a leading cause for
  boys.
- Asthma and cellulitis were leading causes for Māori children 5-14 years while injuries to the elbow and forearm and injuries to the head were leading causes for non-Māori children.
- Four of the top five leading causes of mortality for older Māori people in the Lakes DHB were
  the same as those nationally. These were ischaemic heart disease, lung cancer, COPD, and
  stroke. These were also featured in the top five leading causes of mortality for older people
  in New Zealand.
- Three of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Lakes DHB were COPD, respiratory infections, and angina.
- The rate of COPD hospitalisation for Māori was statistically significantly higher than non-Māori. The Lakes DHB also had statistically significantly higher COPD and cardiovascular disease hospitalisation rates compared to the national rates.
- Lung cancer was statistically significantly higher among Māori compared to non-Māori; however, the hospitalisation rate for melanoma was significantly lower for Māori than non-Māori.
- The suicide mortality rate for Māori youth 15-24 years was also statistically significantly higher than that for non-Māori youth in the Lakes DHB.
- Asthma hospitalisation for children less than 15 years of age was statistically significantly higher than that observed nationally, while the rates for Māori children were statistically significantly high than for non-Māori children.

# 3.1 Avoidable Mortality

Overall, the avoidable mortality rate for Lakes DHB did not differ between Māori and non-Māori (Table 3:1).

**Table 3:1:** Avoidable mortality, 0-74 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori			non-Māori				Total			
		ASR	95% confidence		ASR	95% c	95% confidence		ASR	95% confidence			
Lakes	Female	251.2	44.1	-	458.4	69.9	3.4	-	136.4	116.0	40.5	-	191.5
	Male	346.3	86.0	-	606.5	121.1	18.1	-	224.1	178.9	76.4	-	281.4
	Total	296.9	132.0	-	461.9	95.7	34.1	-	157.2	147.3	83.7	-	210.9
New Zealand	Female	214.6	168.7	-	260.5	74.2	63.5	-	84.8	88.9	78.2	-	99.6
	Male	308.9	251.4	-	366.5	122.9	109.1	-	136.7	142.4	128.6	-	156.1
	Total	259.8	223.3	-	296.3	98.1	89.4	-	106.8	115.1	106.4	-	123.8

# 3.2 Leading Causes of Avoidable Mortality

Three of the top five leading causes of avoidable mortality were the same for Māori and non-Māori (Table 3:2). These were ischaemic heart disease, lung cancer, and motor vehicle accidents. Diabetes and COPD were leading causes for Māori while suicide and colorectal cancer were leading causes for non-Māori.

**Table 3:2**: Leading causes of avoidable mortality, ethnicity, 0-74 years, 2006-08

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Lung cancer	2	Lung cancer	2
	Diabetes	3	Diabetes	3
	Motor vehicle accidents	4	Motor vehicle accidents	4
	COPD	5	Suicide and self-inflicted injuries	5
non-Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Motor vehicle accidents	2	Suicide and self-inflicted injuries	2
	Suicide and self-inflicted injuries	3	Lung cancer	3
	Colorectal cancer	4	Motor vehicle accidents	4
	Lung cancer	5	Colorectal cancer	5

 $\label{thm:copd} \textbf{Note: COPD=} chronic\ obstructive\ pulmonary\ disease$ 

The leading causes of avoidable mortality in the Lakes DHB were the same as those nationally (Table 3:3). Breast cancer and COPD were leading causes for women while suicide and diabetes were leading causes for men.

 Table 3:3:
 Leading causes of avoidable mortality, gender, 0-74 years, 2006-08

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Breast cancer (female only)	1	Breast cancer (female only)	1
	Ischaemic heart disease	2	Lung cancer	2
	Lung cancer	3	Ischaemic heart disease	3
	COPD	4	Colorectal cancer	4
	Motor vehicle accidents	5	Diabetes	5
Male	Ischaemic heart disease	1	Ischaemic heart disease	1
	Motor vehicle accidents	2	Suicide and self-inflicted injuries	2
	Suicide and self-inflicted injuries	3	Motor vehicle accidents	3
	Diabetes	4	Lung cancer	4
	Lung cancer	5	Diabetes	5
Total	Ischaemic heart disease	1	Ischaemic heart disease	1
	Motor vehicle accidents	2	Suicide and self-inflicted injuries	2
	Suicide and self-inflicted injuries	3	Lung cancer	3
	Lung cancer	4	Motor vehicle accidents	4
	Diabetes	5	Diabetes	5

Note: COPD=chronic obstructive pulmonary disease

# 3.3 Avoidable Hospitalisations

Overall, the avoidable hospitalisation rates for total Māori and Māori women in the Lakes DHB were statistically significantly higher compared to non-Māori (Table 3:4). The rate was also statistically significantly higher in the Lakes DHB compared to the national rate.

**Table 3:4:** Avoidable hospitalisations, 0-74 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori			non-Māo	ri		Total
		ASR	95% co	nfidence	ASR	95% co	nfidence	ASR	95% confidence
Lakes	Female	5969.3	4876.0	7062.7	3545.3	2787.5	- 4303.0	4356.2	3743.3 - 4969.2
	Male	5951.8	4833.6	7070.0	4103.2	3295.1	- 4911.3	4743.2	4103.9 - 5382.6
	Total	5984.4	5200.4	- 6768.4	3824.7	3270.7	- 4378.6	4555.7	4112.3 - 4999.2
New Zealand	Female	4904.4	4671.6	5137.1	3156.7	3061.1	- 3252.3	3408.8	3321.6 - 3496.1
	Male	4974.2	4736.0	- 5212.5	3535.8	3435.8	- 3635.9	3746.4	3655.7 - 3837.2
	Total	4946.3	4779.6	- 5112.9	3347.1	3277.8	- 3416.3	3578.9	3516.0 - 3641.9

# 3.4 Leading Causes of Avoidable Hospitalisations

Respiratory infections, dental conditions, ENT infections, and angina were four of the top five leading causes of avoidable hospitalisations for both Māori and non-Māori (Table 3:5).

 Table 3:5:
 Leading causes of avoidable hospitalisations, ethnicity, 0-74 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Respiratory infections	1	Respiratory infections	1
	Dental conditions	2	Dental conditions	2
	Asthma	3	Asthma	3
	ENT infections	4	ENT infections	4
	Angina	5	Angina	5
non-Māori	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	ENT infections	3	ENT infections	3
	Angina	4	Dental conditions	4
	Dental conditions	5	Angina	5

Note: ENT infections= ear, nose and throat infections

The leading causes of avoidable hospitalisations in the Lakes DHB were the same as those nationally (Table 3:6). Asthma was a leading cause for women while angina was a leading cause for men.

**Table 3:6:** Leading causes of avoidable hospitalisations, gender, 0-74 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	Dental conditions	3
	ENT infections	4	ENT infections	4
	Asthma	5	Cellulitis	5
Male	Respiratory infections	1	Respiratory infections	1
	ENT infections	2	Gastroenteritis	2
	Gastroenteritis	3	ENT infections	3
	Angina	4	Dental conditions	4
	Dental conditions	5	Angina	5
Total	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	ENT infections	3	Dental conditions	3
	Dental conditions	4	ENT infections	4
	Angina	5	Angina	5

Note: ENT infections= ear, nose and throat infections

# 3.5 Unintentional Injury Mortality

There was no statistically significant difference in the rate of unintentional injury mortality rate for Māori and non-Māori (Table 3:7).

**Table 3:7:** Unintentional injury mortality, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori			non-Māori				Total			
		ASR	95% c	onfi	dence	ASR	95% c	onf	idence	ASR	95% c	onf	idence
Lakes	Female	28.0	-48.1	-	104.0	5.6	-16.1	-	27.4	15.2	-20.7	-	51.0
	Male	80.3	-53.4	-	214.0	35.0	-38.2	-	108.1	50.3	-15.5	-	116.1
	Total	52.5	-21.9	-	127.0	20.5	-18.0	-	59.0	32.5	-4.6	-	69.6
New Zealand	Female	21.2	6.0	-	36.3	7.8	3.8	-	11.8	10.4	6.0	-	14.7
	Male	49.1	25.2	-	73.0	21.6	14.8	-	28.5	26.1	19.1	-	33.0
	Total	34.5	20.7	-	48.4	14.6	10.7	-	18.6	18.1	14.0	-	22.2

# 3.6 Unintentional Injury Hospitalisations

Overall, the unintentional injury hospitalisation rate for Lakes DHB did not differ between Māori and non-Māori (Table 3:8).

**Table 3:8:** Unintentional injury hospitalisation, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori	İ			non-Mā	ori			Total		
		ASR	95% c	onfi	dence	ASR	95% c	onfi	dence	ASR	95% c	onfi	dence
Lakes	Female	1470.3	920.1	-	2020.6	1191.8	763.3	-	1620.2	1306.4	972.4	-	1640.5
	Male	2860.9	2068.0	-	3653.7	2246.5	1665.0	-	2828.0	2495.6	2029.9	-	2961.3
	Total	2143.3	1666.7	-	2619.9	1724.3	1361.6	-	2086.9	1897.5	1611.4	-	2183.6
New Zealand	Female	1344.0	1220.6	-	1467.5	1133.4	1077.2	-	1189.6	1174.8	1124.1	-	1225.5
	Male	2485.9	2315.3	-	2656.6	2015.8	1942.3	-	2089.3	2095.7	2028.9	-	2162.6
	Total	1900.9	1796.5	-	2005.3	1575.3	1529.0	-	1621.6	1634.3	1592.4	-	1676.3

# 3.7 Child Health (0-14 years)

#### 3.7.1 Leading causes of hospitalisations for children 0-4 years by ethnicity

Three of the top five leading causes of hospitalisations for children 0-4 years of age in the Lakes DHB were the same for Māori and non-Māori (Table 3:9). These were respiratory infections, ENT infections, and disorders related to length of gestation and fetal growth.

**Table 3:9:** Leading causes of hospitalisations, ethnicity, 0-4 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Respiratory infections	1	Respiratory infections	1
	Asthma	2	Persons encountering health services in other circumstances	2
	Dental conditions	3	Disorders related to length of gestation and fetal growth	3
	ENT infections	4	Gastro-oesophageal reflux disease	4
	Disorders related to length of gestation and fetal growth	5	ENT infections	5
non- Māori	Respiratory infections	1	Persons encountering health services in other circumstances	1
	*Persons encountering health services in other circumstances	2	Respiratory infections	2
	ENT infections	3	Disorders related to length of gestation and fetal growth	3
	Disorders related to length of gestation and fetal growth	4	Gastro-oesophageal reflux disease	4
	Gastro-oesophageal reflux disease	5	ENT infections	5

Note: ENT infections= ear, nose and throat infections

#### 3.7.2 Leading causes of hospitalisations for children 0-4 years by gender

The top five leading causes of hospitalisations for children 0-4 years in the Lakes DHB were the same as those nationally (Table 3:10). Disorders related to length of gestation and fetal growth were leading causes for girls while gastro-oesophageal reflux disease and asthma were leading causes for boys.

<sup>\*</sup>Persons encountering health services in other circumstances (Z70-Z76). For example, health supervision and care of other healthy infant and child.

**Table 3:10:** Leading causes of hospitalisations, gender, 0-4 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Respiratory infections	1	Persons encountering health services in	1
			other circumstances	
	*Persons encountering health services in other circumstances	2	Respiratory infections	2
	Disorders related to length of gestation	3	Disorders related to length of gestation	3
	and fetal growth		and fetal growth	
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5
Male	Respiratory infections	1	Respiratory infections	1
	Persons encountering health services in	2	Persons encountering health services in	2
	other circumstances		other circumstances	
	ENT infections	3	Disorders related to length of gestation and fetal growth	3
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	Asthma	5	ENT infections	5
Total	Respiratory infections	1	Respiratory infections	1
	Persons encountering health services in	2	Persons encountering health services in	2
	other circumstances		other circumstances	
	ENT infections	3	Disorders related to length of gestation	3
			and fetal growth	
	Disorders related to length of gestation and fetal growth	4	Gastro-oesophageal reflux disease	4
	Gastro-oesophageal reflux disease	5	ENT infections	5

Note: ENT infections= ear, nose and throat infections  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

## 3.7.3 Leading causes of hospitalisations for children 5-14 years by ethnicity

Dental conditions, respiratory infections, and ENT infections were leading causes for both Māori and non-Māori children 5-14 years (Table 3:11). Asthma and cellulitis were leading causes for Māori children while injuries to the elbow and forearm and injuries to the head were leading causes for non-Māori children.

<sup>\*</sup>Persons encountering health services in other circumstances (Z70-Z76). For example, health supervision and care of other healthy infant and child.

**Table 3:11:** Leading causes of hospitalisations, ethnicity, 5-14 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Dental conditions	1	Dental conditions	1
	Respiratory infections	2	Respiratory infections	2
	ENT infections	3	ENT infections	3
	Asthma	4	Injuries to the elbow and forearm	4
	Cellulitis	5	*Persons encountering health services for	5
			specific procedures and health care	
non-	Respiratory infections	1	Respiratory infections	1
Māori				
	Dental conditions	2	Dental conditions	2
	Injuries to the elbow and forearm	3	Injuries to the elbow and forearm	3
	ENT infections	4	ENT infections	4
	Injuries to the head	5	Persons encountering health services for specific procedures and health care	5

Note: ENT infections= ear, nose and throat infections

## 3.7.4 Leading causes of hospitalisations for children 5-14 years by gender

Four of the top five leading causes of hospitalisations for children 5-14 years of age in the Lakes DHB were the same as those in New Zealand (Table 3:12). These were respiratory infections, dental conditions, ENT infections, and injuries to the elbow and forearm.

<sup>\*</sup> Persons encountering health services for specific procedures and health care (Z40-Z54) - are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow-up or prophylactic care, convalescent care, or care to consolidate the treatment, to deal with residual states, to ensure that the condition has not recurred, or to prevent recurrence.

**Table 3:12:** Leading causes of hospitalisations, gender, 5-14 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Respiratory infections	1	Dental conditions	1
	Dental conditions	2	Respiratory infections	2
	ENT infections	3	ENT infections	3
	Symptoms and signs involving the digestive system and abdomen	4	Injuries to the elbow and forearm	4
	Asthma	5	*Persons encountering health services for specific procedures and health care	5
Male	Respiratory infections	1	Dental conditions	1
	Dental conditions	2	Respiratory infections	2
	Injuries to the elbow and forearm	3	Injuries to the elbow and forearm	3
	ENT infections	4	ENT infections	4
	Injuries to the head	5	Injuries to the head	5
Total	Respiratory infections	1	Dental conditions	1
	Dental conditions	2	Respiratory infections	2
	ENT infections	3	Injuries to the elbow and forearm	3
	Injuries to the elbow and forearm	4	ENT infections	4
	Asthma	5	Persons encountering health services for specific procedures and health care	5

Note: ENT infections= ear, nose and throat infections

<sup>\*</sup> Persons encountering health services for specific procedures and health care (Z40-Z54) - are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow-up or prophylactic care, convalescent care, or care to consolidate the treatment, to deal with residual states, to ensure that the condition has not recurred, or to prevent recurrence.

# 3.8 Older People's Health (65+ years)

#### 3.8.1 Older people, leading causes of mortality, 65+ years by ethnicity

Four of the top five leading causes of mortality for older Māori people in the Lakes DHB were the same as those nationally (Table 3:13). Diabetes was a leading cause for Māori while colorectal cancer was a leading cause for non-Māori.

**Table 3:13:** Leading causes of mortality, ethnicity, 65+ years, 2006-08

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Lung cancer	2	Lung cancer	2
	COPD	3	COPD	3
	Diabetes	4	Diabetes	4
	Stroke	5	Stroke	5
non-Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	COPD	2	Stroke	2
	Stroke	3	COPD	3
	Lung cancer	4	Lung cancer	4
	Colorectal cancer	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

## 3.8.2 Older people, leading causes of mortality, 65+ years by gender

The leading causes of mortality for older people in the Lakes DHB were the same as those nationally: ischaemic heart disease, COPD, lung cancer, stroke, and colorectal cancer (Table 3:14). Diabetes was a leading cause for women while COPD was a leading cause for men.

**Table 3:14:** Leading causes of mortality, gender, 65+ years, 2006-08

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Ischaemic heart disease	1	Ischaemic heart disease	1
	Stroke	2	Stroke	2
	Lung cancer	3	COPD	3
	Colorectal cancer	4	Lung cancer	4
	Diabetes	5	Colorectal cancer	5
Male	Ischaemic heart disease	1	Ischaemic heart disease	1
	COPD	2	Lung cancer	2
	Lung cancer	3	COPD	3
	Colorectal cancer	4	Stroke	4
	Stroke	5	Colorectal cancer	5
Total	Ischaemic heart disease	1	Ischaemic heart disease	1
	COPD	2	Stroke	2
	Lung cancer	3	COPD	3
	Stroke	4	Lung cancer	4
	Colorectal cancer	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

#### 3.8.3 Older people, leading causes hospitalisation, 65+ years by ethnicity

Three of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Lakes DHB were COPD, respiratory infections, and angina (Table 3:15).

**Table 3:15:** Leading causes of hospitalisations, ethnicity, 65+ years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	COPD	1	*Persons encountering health services for specific procedures and health care	1
	Respiratory infections	2	COPD	2
	Congestive heart failure	3	Respiratory infections	3
	Angina	4	Diabetes	4
	Diabetes	5	Angina	5
non- Māori	Angina	1	Persons encountering health services for specific procedures and health care	1
	Respiratory infections	2	Angina	2
	Other forms of heart disease	3	Respiratory infections	3
	Ischaemic heart disease	4	Ischaemic heart disease	4
	COPD	5	Other forms of heart disease	5

Note: COPD=chronic obstructive pulmonary disease

## 3.8.4 Older people, leading causes of hospitalisation, 65+ years by gender

Table 3:16 shows that four of the top five leading causes of hospitalisations for older people in the Lakes DHB were the same as those for New Zealand in total. These were angina, respiratory infections, other forms of heart disease, and ischaemic heart disease.

<sup>\*</sup> Persons encountering health services for specific procedures and health care (Z40-Z54) - are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow-up or prophylactic care, convalescent care, or care to consolidate the treatment, to deal with residual states, to ensure that the condition has not recurred, or to prevent recurrence.

**Table 3:16:** Leading causes of hospitalisations, gender, 65+ years, 2007-09

	Lakes DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Angina	1	*Persons encountering health services for specific procedures and health care	1
	Respiratory infections	2	Angina	2
	COPD	3	Respiratory infections	3
	Other forms of heart disease	4	COPD	4
	Ischaemic heart disease	5	Other forms of heart disease	5
Male	Angina	1	Persons encountering health services for specific procedures and health care	1
	Respiratory infections	2	Angina	2
	Other forms of heart disease	3	Respiratory infections	3
	Ischaemic heart disease	4	Ischaemic heart disease	4
	Complications of surgical and medical care, not elsewhere classified	5	Other forms of heart disease	5
Total	Angina	1	Persons encountering health services for specific procedures and health care	1
	Respiratory infections	2	Angina	2
	Other forms of heart disease	3	Respiratory infections	3
	COPD	4	Ischaemic heart disease	4
	Ischaemic heart disease	5	Other forms of heart disease	5

Note: COPD=chronic obstructive pulmonary disease

<sup>\*</sup> Persons encountering health services for specific procedures and health care (Z40-Z54) - are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow-up or prophylactic care, convalescent care, or care to consolidate the treatment, to deal with residual states, to ensure that the condition has not recurred, or to prevent recurrence.

#### 3.9 Other Health Conditions

Further data on other conditions in Lakes DHB are available in the appendices 2-4. Key points are listed here.

#### 3.9.1 Chronic conditions

The hospitalisation rate for cardiovascular disease in the Lakes DHB was statistically significantly higher than the national rate (Appendix 3: Table 3.1.2). The rate of COPD hospitalisation for Māori was significantly higher than non-Māori. The Lakes DHB also had a statistically significantly higher COPD hospitalisation rate compared to the national rate.

#### **3.9.2** Cancer

The cancer specific hospitalisation rate for lung cancer was statistically significantly higher among Māori compared to non-Māori (Appendix 3: Table 3.1.6). However, the hospitalisation rate for melanoma was statistically significantly lower for Māori than non-Māori (Appendix 3: Table 3.1.11).

#### 3.9.3 Other conditions

In the 15-24 year age group, the rates of unintentional injury mortality (Appendix 2: Table 2.1.15) and hospitalisation (Appendix 3: Table 3.1.14) were statistically significantly higher than the national rate. The suicide mortality rate for Māori youth 15-24 years was also statistically significantly higher than that for non-Māori youth in the Lakes DHB (Appendix 2: Table 2.1.16).

Asthma hospitalisation for children under 15 years of age was statistically significantly higher than that observed nationally (Appendix 3: Table 3.1.28). Māori children had statistically significantly higher rates of asthma admissions than non-Māori children.

# 4 HEALTH SERVICE UTILISATION

New Zealanders have access to a variety of health care workers and services in the health and disability sector. This chapter presents information on the use of these services within the Lakes DHB compared to the national experience.

Information about service utilisation is an important part of understanding the need and demand for health and disability services. This information, when considered in relation to information in other chapters of this HNA, provides evidence for decision making on DHB priorities for health and disability services.

Recent data was only available for a small number of measures, these being immunisation and screening.

# **Key points**

- In the Lakes DHB, 71.2 percent of Māori children had received all specified immunisation vaccines by the age of two, which was lower than the non-Māori rate.
- In the Lakes DHB, over half of Māori people aged 65 years and over either received an influenza vaccine, or had an agreement made by a primary health provider to receive an influenza vaccine in the past 12 months.
- Of eligible women in the Lakes DHB aged 50-64 years, less than half of Māori women had a mammogram to check for early signs of breast cancer in the past two years which was lower than the non-Māori rate (60.6%).
- Of Māori women aged 20 to 69 years in the Lakes DHB who had a primary health care provider, 58.9 percent had a cervical smear in the past three years which was lower than the non-Māori percentage (81.3%).

## 4.1 Immunisation Coverage at 2 Years

Fully immunised at age two years means that a child has received the vaccinations scheduled for ages 6 weeks, 3 months, 5 months and 15 months.

In the Lakes DHB, 71.2 percent of Māori children had received all specified immunisation vaccines by the age of two, which was lower than the non-Māori rate (Table 4:1). The coverage rate was also lower for Lakes DHB (74.9%) than that observed nationally.

Table 4:1:Full immunisation coverage at two years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Lakes DHB	71.2%	78.3%	74.9%
New Zealand	72.0%	79.4%	77.7%

# 4.2 Influenza Vaccine Coverage at 65+ Years

In the Lakes DHB, 55 percent of Māori people aged 65 years and over either received an influenza vaccine, or had an agreement made by a primary health provider to receive an influenza vaccine in the past 12 months (Table 4:2). This rate was lower than the non-Māori rate but slightly higher than the Māori national rate (54.4%).

**Table 4:2:** Influenza vaccinations in the last 12 months, 65+ years, percent, ethnicity, 2009-

DHB	Māori	non-Māori	Total
Lakes DHB	55.0%	58.8%	61.0%
New Zealand	54.4%	60.9%	60.5%

# 4.3 Breast Cancer Screening

Of women in the Lakes DHB aged 50-64 years, 55.7 percent had a mammogram to check for early signs of breast cancer in the past two years, which was lower than the national percentage (63.7%) (Table 4:3). The coverage rate for Māori women was substantially lower than that for non-Māori women (60.6%) and Māori women in New Zealand (51.5%).

**Table 4:3:** Breast screening coverage, 50-64 years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Lakes DHB	44.1%	60.6%	55.7%
New Zealand	51.5%	65.0%	63.7%

## 4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Lakes DHB who had a primary health care provider, 86.4 percent had a cervical smear in the past three years, which is higher than the national percentage (Table 4:4). The coverage rate for Māori women (58.9%) was lower compared to non-Māori women (81.3%).

**Table 4:4:** Had cervical smear in the last three years, 20-69 years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Lakes DHB	58.9%	81.3%	86.4%
New Zealand	54.4%	75.5%	72.6%

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# Appendix 1

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Table 1.1.1. Projected	TOTAL PODUIATION	DV Age allu Sex at	30 Julie 2007	(ZUUU-Dase)

Location	Age Group		2006(Base)			2012			2016			2021			2026		% Populati	ion Change 200	06-2026
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	12,480	11,830	24,320	12,100	11,410	23,510	11,790	11,170	22,970	11,510	10,930	22,430	10,940	10,410	21,370	- 12.3	- 12.0 -	12.1
Lakes	15-64	31,670	33,430	65,110	32,260	33,840	66,110	32,140	33,530	65,660	31,650	32,770	64,420	30,920	31,840	62,760	- 2.4	- 4.8 -	3.6
Lakes	65+	5,590	6,500	12,090	6,700	7,610	14,300	7,620	8,640	16,250	8,760	9,930	18,700	10,160	11,430	21,600	81.8	75.9	78.7
	Total	49,740	51,760	101,520	51,060	52,860	103,920	51,550	53,340	104,880	51,920	53,630	105,550	52,020	53,680	105,730	4.6	3.7	4.2
	0-14	454,960	433,360	888,310	463,530	439,930	903,460	471,020	446,390	917,400	481,280	455,240	936,520	477,070	451,780	928,840	4.9	4.3	4.6
New	15-64	1,364,450	1,420,210	2,784,650	1,453,870	1,503,460	2,957,340	1,484,350	1,530,690	3,015,030	1,514,650	1,554,990	3,069,630	1,545,220	1,573,770	3,119,010	13.2	10.8	12.0
Zealand	65+	228,930	282,690	511,620	280,080	330,240	610,290	324,050	374,290	698,340	378,790	433,010	811,780	440,280	503,800	944,080	92.3	78.2	84.5
	Total	2,048,340	2,136,260	4,184,580	2,197,480	2,273,630	4,471,090	2,279,420	2,351,370	4,630,770	2,374,720	2,443,240	4,817,930	2,462,570	2,529,350	4,991,930	20.2	18.4	19.3

#### Table 1.1.2: Projected Total Population Aged 0 Years by Sex at 30 June 2007–26 (2006-Base)

2006(Base)			2012			2016			2021				2026		% Population Change 2006-2026			
	Male	Female	Total	Male	Female	Total												
Lakes	810	780	1,590	800	770	1,570	760	730	1,490	740	710	1,440	720	690	1,410	- 11.1 -	11.5 -	11.3
New Zealand	30,150	28,910	59,060	31,830	30,190	62,020	31,380	29,760	61,140	31,380	29,750	61,130	31,500	29,870	61,360	4.5	3.3	3.9

#### Table 1.1.3: Projected Total Population Aged 1-4 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 200	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,190	3,020	6,210	3,330	3,170	6,500	3,110	2,980	6,100	2,970	2,850	5,820	2,900	2,780	5,690	- 9.1 -	7.9 -	8.4
New Zealand	116,060	110,880	226,940	130,230	122,710	252,940	126,860	120,240	247,090	125,820	119,240	245,060	126,140	119,520	245,660	8.7	7.8	8.2

#### Table 1.1.4: Projected Total Population Aged 5-9 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	n Change 20	ე6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	4,160	3,910	8,070	4,050	3,820	7,870	4,120	3,900	8,020	3,820	3,620	7,440	3,650	3,460	7,120	- 12.3 -	11.5 -	11.8
New Zealand	149,230	142,650	291,880	151,640	144,070	295,710	163,170	153,990	317,160	159,530	151,110	310,640	158,510	150,120	308,630	6.2	5.2	5.7

#### Table 1.1.5: Projected Total Population Aged 10-14 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 200	ე6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	4,320	4,120	8,450	3,920	3,650	7,570	3,800	3,560	7,360	3,980	3,750	7,730	3,670	3,480	7,150	- 15.0 -	15.5 -	15.4
New Zealand	159,520	150,920	310,430	149,830	142,960	292,790	149,610	142,400	292,010	164,550	155,140	319,690	160,920	152,270	313,190	0.9	0.9	0.9

Table 1.1.6: Projected Total Population Aged 15-19 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,870	3,690	7,560	3,750	3,540	7,290	3,550	3,270	6,820	3,330	3,080	6,410	3,510	3,270	6,780	- 9.3 -	11.4 -	10.3
New Zealand	159,400	154,160	313,560	160,800	153,760	314,560	154,110	148,300	302,410	152,660	146,680	299,340	167,590	159,430	327,020	5.1	3.4	4.3

Table 1.1.7: Projected To	tal Population	Aged 20-24	Years hy	Sex at 30 June	2007-26	(2006-Rase)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,830	2,780	5,620	3,370	3,280	6,660	3,260	3,210	6,470	2,960	2,840	5,800	2,750	2,650	5,390	- 2.8 -	4.7 -	4.1
New Zealand	145,850	145,330	291,180	169,800	160,880	330,690	168,800	159,910	328,710	159,270	152,430	311,690	157,870	150,830	308,700	8.2	3.8	6.0

#### Table 1.1.8: Projected Total Population Aged 25-29 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,770	3,090	5,850	2,890	3,020	5,910	3,300	3,410	6,710	3,290	3,370	6,660	2,990	3,000	5,990	7.9 -	2.9	2.4
New Zealand	126,770	133,600	260,370	150,020	150,210	300,230	165,090	158,620	323,710	167,730	160,800	328,530	158,300	153,340	311,640	24.9	14.8	19.7

#### Table 1.1.9: Projected Total Population Aged 30-34 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	n Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,180	3,460	6,640	2,820	3,100	5,920	2,910	3,000	5,910	3,350	3,460	6,810	3,340	3,420	6,760	5.0 -	1.2	1.8
New Zealand	136,320	149,700	286,010	137,460	145,930	283,390	152,120	156,340	308,450	169,600	165,430	335,030	172,310	167,630	339,940	26.4	12.0	18.9

#### Table 1.1.10: Projected Total Population Aged 35-39 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,530	3,930	7,460	3,110	3,350	6,460	2,840	3,110	5,950	2,930	2,970	5,890	3,370	3,430	6,800	- 4.5 -	12.7 -	8.8
New Zealand	149,140	163,430	312,560	136,360	149,500	285,860	136,720	146,490	283,210	154,840	159,360	314,200	172,320	168,470	340,790	15.5	3.1	9.0

#### Table 1.1.11: Projected Total Population Aged 40-44 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	ე6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,580	3,990	7,580	3,470	3,790	7,260	3,150	3,350	6,500	2,800	3,030	5,830	2,880	2,890	5,780	- 19.6 -	27.6 -	23.7
New Zealand	155,940	166,540	322,490	151,430	166,140	317,570	141,000	155,280	296,280	137,690	147,630	285,320	155,770	160,510	316,290	- 0.1 -	3.6 -	1.9

#### Table 1.1.12: Projected Total Population Aged 45-49 Years by Sex at 30 June 2007–26 (2006-Base)

							•											
		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	)6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,690	3,790	7,480	3,380	3,740	7,130	3,380	3,740	7,120	3,070	3,240	6,310	2,720	2,930	5,650	- 26.3 -	22.7 -	24.5
New Zealand	149,120	156,040	305,160	152,810	163,480	316,290	149,650	163,730	313,380	139,930	154,200	294,120	136,740	146,680	283,430	- 8.3 -	6.0 -	7.1

#### Table 1.1.13: Projected Total Population Aged 50-54 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 200	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	3,080	3,270	6,350	3,650	3,800	7,450	3,380	3,760	7,130	3,270	3,620	6,900	2,970	3,130	6,100	- 3.6 -	4.3 -	3.9
New Zealand	129,930	133,720	263,650	149,430	157,770	307,200	151,890	162,460	314,350	146,550	160,920	307,480	137,060	151,570	288,630	5.5	13.3	9.5

Table 1.1.14: Projected Total	Population Aged 55-59	Years by Sex at 30 June	2007–26 (2006-Base)
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		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,840	3,050	5,890	3,020	3,240	6,260	3,450	3,560	7,010	3,260	3,650	6,910	3,170	3,520	6,690	11.6	15.4	13.6
New Zealand	120,080	122,930	243,010	129,440	134,870	264,310	142,290	150,520	292,810	148,060	159,630	307,690	143,050	158,280	301,330	19.1	28.8	24.0

#### Table 1.1.15: Projected Total Population Aged 60-64 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,300	2,380	4,680	2,800	2,980	5,770	2,920	3,120	6,040	3,390	3,510	6,900	3,220	3,600	6,820	40.0	51.3	45.7
New Zealand	91,900	94,760	186,660	116,320	120,920	237,240	122,680	129,040	251,720	138,320	147,910	286,230	144,210	157,030	301,240	56.9	65.7	61.4

#### Table 1.1.16: Projected Total Population Aged 65-69 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,950	1,920	3,870	2,330	2,400	4,730	2,680	2,870	5,550	2,820	2,990	5,810	3,280	3,370	6,650	68.2	75.5	71.8
New Zealand	75,620	79,910	155,530	93,080	97,750	190,820	111,140	117,390	228,530	117,740	125,610	243,350	133,120	144,170	277,290	76.0	80.4	78.3

#### Table 1.1.17: Projected Total Population Aged 70-74 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,430	1,530	2,960	1,840	1,910	3,750	2,010	2,110	4,120	2,450	2,670	5,130	2,600	2,800	5,400	81.8	83.0	82.4
New Zealand	57,380	62,790	120,170	73,260	79,300	152,560	81,400	87,480	168,880	103,430	111,450	214,870	110,220	119,710	229,930	92.1	90.7	91.3

#### Table 1.1.18: Projected Total Population Aged 75-79 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,470	1,760	3,230	1,500	1,810	3,310	1,830	2,080	3,910	2,140	2,430	4,570	2,780	3,090	5,860	89.1	75.6	81.4
New Zealand	47,570	56,030	103,600	50,280	57,860	108,140	60,630	68,560	129,190	71,550	79,900	151,460	91,620	102,350	193,970	92.6	82.7	87.2

#### Table 1.1.19: Projected Total Population Aged 80-84 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	650	960	1,610	870	1,010	1,880	850	1,070	1,920	1,090	1,270	2,370	1,290	1,550	2,840	98.5	61.5	76.4
New Zealand	30,180	44,000	74,180	36,850	46,670	83,520	38,390	47,390	85,780	48,240	58,280	106,510	57,700	68,660	126,360	91.2	56.0	70.3

#### Table 1.1.20: Projected Total Population Aged 85-89 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	280	550	830	360	620	970	440	630	1,070	470	670	1,130	610	830	1,440	117.9	50.9	73.5
New Zealand	13,160	25,920	39,080	19,190	30,990	50,170	22,720	32,900	55,620	24,810	34,280	59,090	32,180	43,160	75,340	144.5	66.5	92.8

Table 1.1.21: Projected Total Population Aged 90+ Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)		•	2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	100	240	340	140	350	490	190	400	580	240	460	700	290	490	790	190.0	104.2	132.4
New Zealand	5,020	14,040	19,060	7,420	17,670	25,080	9,770	20,570	30,340	13,020	23,490	36,500	15,440	25,750	41,190	207.6	83.4	116.1

Table 1.1.22: Projected Total Population by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	49,800	51,800	101,500	51,100	52,900	103,900	51,600	53,300	104,900	51,900	53,600	105,600	52,000	53,700	105,700	4.4	3.7	4.1
New Zealand	2,048,300	2,136,200	4,184,600	2,197,500	2,273,600	4,471,100	2,279,400	2,351,400	4,630,800	2,374,700	2,443,200	4,817,900	2,462,600	2,529,300	4,991,900	20.2	18.4	19.3

NOTE: Owing to rounding, individual figures do not always sum to the totals shown.

These projections are: Medium Projection : Assuming Medium Fertility, Medium Mortality, and Medium Migration

These projections were derived in September 2010.

Source: Statistics New Zealand Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

Table 1.2.1: Projected	Māori Population	by Age and Sex at 30	June 2007 (2006-Base)

Location	Age Group		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	ე06-2026
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	6,040	5,740	11,770	6,180	5,880	12,050	6,290	5,960	12,240	6,360	6,060	12,410	6,180	5,890	12,070	2.3	2.6	2.6
Lakes	15-64	9,790	10,990	20,790	10,410	11,580	22,010	10,750	11,850	22,580	11,060	12,000	23,080	11,450	12,230	23,690	17.0	11.3	14.0
Lakes	65+	730	860	1,580	800	1,030	1,850	930	1,240	2,170	1,130	1,570	2,690	1,460	2,010	3,470	100.0	133.7	119.6
	Total	16,560	17,590	34,140	17,390	18,490	35,910	17,970	19,050	36,990	18,550	19,630	38,180	19,090	20,130	39,230	15.3	14.4	14.9
	0-14	110,480	104,810	215,310	119,900	114,160	234,070	126,030	119,990	246,030	133,180	126,750	259,920	132,290	125,860	258,150	19.7	20.1	19.9
New	15-64	183,640	199,700	383,320	200,480	215,580	416,040	210,230	224,440	434,680	220,480	233,230	453,710	236,750	246,600	483,350	28.9	23.5	26.1
Zealand	65+	11,680	14,010	25,710	15,340	18,520	33,860	18,920	22,970	41,880	24,150	29,520	53,660	30,830	38,330	69,150	164.0	173.6	169.0
	Total	305,800	318,520	624,340	335,720	348,260	683,970	355,180	367,400	722,590	377,810	389,500	767,290	399,870	410,790	810,650	30.8	29.0	29.8

#### Table 1.2.2: Projected Māori Population Aged 0 Years by Sex at 30 June 2007(2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	420	410	830	450	430	880	440	420	850	430	410	830	430	410	840	2.4	-	1.2
New Zealand	8,070	7,840	15,920	9,220	8,750	17,980	9,080	8,620	17,700	9,050	8,590	17,640	9,310	8,830	18,140	15.4	12.6	13.9

#### Table 1.2.3: Projected Māori Population Aged 1-4 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,630	1,500	3,130	1,830	1,740	3,560	1,750	1,660	3,420	1,690	1,610	3,300	1,680	1,600	3,280	3.1	6.7	4.8
New Zealand	29,390	27,740	57,130	37,050	35,200	72,250	36,240	34,420	70,660	35,660	33,860	69,510	36,160	34,320	70,480	23.0	23.7	23.4

#### Table 1.2.4: Projected Māori Population Aged 5-9 Years by Sex at 30 June 2007(2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,990	1,920	3,910	2,060	1,940	4,000	2,220	2,120	4,340	2,120	2,020	4,140	2,050	1,950	4,000	3.0	1.6	2.3
New Zealand	36,500	34,900	71,410	38,540	36,750	75,290	45,430	43,250	88,690	44,370	42,230	86,600	43,760	41,640	85,410	19.9	19.3	19.6

#### Table 1.2.5: Projected Māori Population Aged 10-14 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,000	1,910	3,900	1,840	1,770	3,610	1,880	1,760	3,630	2,120	2,020	4,140	2,020	1,930	3,950	1.0	1.0	1.3
New Zealand	36,520	34,330	70,850	35,090	33,460	68,550	35,280	33,700	68,980	44,100	42,070	86,170	43,060	41,070	84,120	17.9	19.6	18.7

#### Table 1.2.6: Projected Māori Population Aged 15-19 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,760	1,750	3,510	1,840	1,770	3,610	1,790	1,710	3,500	1,770	1,650	3,420	2,010	1,900	3,910	14.2	8.6	11.4
New Zealand	32,900	33,090	65,980	34,100	32,300	66,390	33,530	32,150	65,680	33,610	32,080	65,690	42,170	40,200	82,370	28.2	21.5	24.8

Table 1.2.7: Projected Māori Population	Agad 20 24 Vaara by	v Cay at 20 June 2007	(200C Base)
Table 1.2.7. Projected Maori Population	Ageu 20-24 Years D	y sex at 30 june 2007	(2000-base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,190	1,320	2,510	1,630	1,570	3,200	1,660	1,580	3,240	1,560	1,500	3,060	1,550	1,440	2,990	30.3	9.1	19.1
New Zealand	24,200	25,900	50,090	31,190	30,640	61,830	32,070	29,740	61,810	30,950	29,310	60,250	31,030	29,250	60,280	28.2	12.9	20.3

#### Table 1.2.8: Projected Māori Population Aged 25-29 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,060	1,230	2,290	1,030	1,170	2,200	1,360	1,370	2,730	1,490	1,420	2,920	1,400	1,340	2,740	32.1	8.9	19.7
New Zealand	20,620	22,960	43,580	21,930	23,830	45,750	27,180	27,580	54,760	29,110	27,190	56,310	28,040	26,780	54,820	36.0	16.6	25.8

#### Table 1.2.9: Projected Māori Population Aged 30-34 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,090	1,230	2,320	940	1,160	2,100	930	1,090	2,010	1,270	1,310	2,580	1,400	1,360	2,760	28.4	10.6	19.0
New Zealand	20,280	23,040	43,320	19,270	21,750	41,020	19,920	22,330	42,250	25,890	26,720	52,610	27,800	26,340	54,150	37.1	14.3	25.0

#### Table 1.2.10: Projected Māori Population Aged 35-39 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,080	1,270	2,360	970	1,160	2,130	890	1,100	1,990	860	1,030	1,890	1,200	1,260	2,450	11.1 -	0.8	3.8
New Zealand	19,940	22,610	42,550	18,780	21,830	40,610	18,390	21,360	39,750	19,130	21,750	40,880	24,990	26,070	51,060	25.3	15.3	20.0

#### Table 1.2.11: Projected Māori Population Aged 40-44 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,000	1,210	2,210	1,020	1,160	2,180	950	1,110	2,050	830	1,050	1,880	800	970	1,780	- 20.0 -	19.8 -	19.5
New Zealand	19,170	21,360	40,530	19,120	22,160	41,280	18,490	21,590	40,070	17,590	20,680	38,270	18,330	21,080	39,410	- 4.4 -	1.3 -	2.8

#### Table 1.2.12: Projected Māori Population Aged 45-49 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	990	1,090	2,080	880	1,150	2,030	940	1,150	2,090	890	1,050	1,940	770	990	1,760	- 22.2 -	9.2 -	15.4
New Zealand	16,760	18,590	35,350	18,010	20,280	38,290	18,040	20,990	39,040	17,620	20,820	38,440	16,770	19,950	36,720	0.1	7.3	3.9

#### Table 1.2.13: Projected Māori Population Aged 50-54 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	700	820	1,520	960	1,050	2,020	850	1,080	1,930	870	1,090	1,960	820	1,000	1,820	17.1	22.0	19.7
New Zealand	12,930	13,930	26,860	16,240	18,560	34,800	17,130	19,620	36,750	17,090	20,150	37,240	16,720	20,010	36,720	29.3	43.6	36.7

Table 1	2 1/1.	Drojected	1450ri 1	Considerion	Agod E	E EO Voore	hy Coy at	20 Juno	2007	(2006-Base)	
Table I	/ 14	Projected	iviaori i	2001Hation	Apen 5	15-59 Years	nv sex ar	30 Illne	/()()/	CZUUb-Rasei	

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	550	620	1,170	640	790	1,440	830	960	1,790	780	1,010	1,790	800	1,030	1,830	45.5	66.1	56.4
New Zealand	10,070	10,860	20,930	12,390	13,760	26,140	14,630	16,810	31,440	16,040	18,710	34,750	16,070	19,260	35,330	59.6	77.3	68.8

#### Table 1.2.15: Projected Māori Population Aged 60-64 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	370	450	820	500	600	1,100	550	700	1,250	740	890	1,640	700	940	1,650	89.2	108.9	101.2
New Zealand	6,770	7,360	14,130	9,450	10,470	19,930	10,850	12,270	23,130	13,450	15,820	29,270	14,830	17,660	32,490	119.1	139.9	129.9

#### Table 1.2.16: Projected Māori Population Aged 65-69 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	320	350	670	330	410	740	410	500	910	480	620	1,110	650	810	1,460	103.1	131.4	117.9
New Zealand	5,410	5,930	11,350	6,200	7,030	13,240	8,000	9,180	17,180	9,690	11,250	20,930	12,110	14,580	26,690	123.8	145.9	135.2

#### Table 1.2.17: Projected Māori Population Aged 70-74 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	210	230	430	260	290	550	250	330	580	330	430	760	400	540	940	90.5	134.8	118.6
New Zealand	3,350	3,780	7,140	4,700	5,300	10,000	4,940	5,790	10,730	6,820	8,070	14,890	8,370	9,980	18,350	149.9	164.0	157.0

#### Table 1.2.18: Projected Māori Population Aged 75-79 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	120	150	270	140	180	320	180	230	410	180	270	450	260	350	600	116.7	133.3	122.2
New Zealand	1,810	2,380	4,200	2,590	3,230	5,820	3,470	4,200	7,670	3,930	4,830	8,760	5,540	6,830	12,360	206.1	187.0	194.3

#### Table 1.2.19: Projected Māori Population Aged 80-84 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	50	90	140	70	100	170	80	110	190	110	160	260	110	190	300	120.0	111.1	114.3
New Zealand	780	1,230	2,010	1,360	1,910	3,270	1,710	2,280	3,990	2,430	3,210	5,640	2,830	3,770	6,600	262.8	206.5	228.4

#### Table 1.2.20: Projected Māori Population Aged 85-89 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	30	30	60	-	40	50	10	50	60	20	60	80	30	80	120	-	166.7	100.0
New Zealand	280	530	810	390	780	1,170	630	1,090	1,710	970	1,480	2,450	1,450	2,160	3,610	417.9	307.5	345.7

Table 1.2.21: Projected Māori Population Aged 90+ Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	-	10	10	-	10	20	-	20	20	10	30	30	10	40	50	/	300.0	400.0
New Zealand	50	160	200	100	270	360	170	430	600	310	680	990	530	1,010	1,540	960.0	531.3	670.0

Table 1.2.22: Projected Māori Population by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	16,600	17,600	34,100	17,400	18,500	35,900	18,000	19,000	37,000	18,600	19,600	38,200	19,100	20,100	39,200	15.1	14.2	15.0
New Zealand	305,800	318,500	624,300	335,700	348,300	684,000	355,200	367,400	722,600	377,800	389,500	767,300	399,900	410,800	810,700	30.8	29.0	29.9

NOTE: Owing to rounding, individual figures do not always sum to the totals shown.

These projections are: Medium Projection : Assuming Medium Fertility, Medium Mortality, and Medium Migration

These projections were derived in September 2010.

Source: Statistics New Zealand Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

Table 1.3.1: Projected	Non Māori Popul	ation by Age a	nd Sex at 30 June	2007 (2006-Base)

Location	Age Group		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	6,440	6,090	12,550	5,920	5,530	11,460	5,500	5,210	10,730	5,150	4,870	10,020	4,760	4,520	9,300	- 26.1 -	25.8 -	25.9
Lakes	15-64	21,880	22,440	44,320	21,850	22,260	44,100	21,390	21,680	43,080	20,590	20,770	41,340	19,470	19,610	39,070	- 11.0 -	12.6 -	11.8
Lakes	65+	4,860	5,640	10,510	5,900	6,580	12,450	6,690	7,400	14,080	7,630	8,360	16,010	8,700	9,420	18,130	79.0	67.0	72.5
	Total	33,180	34,170	67,380	33,670	34,370	68,010	33,580	34,290	67,890	33,370	34,000	67,370	32,930	33,550	66,500	- 0.8 -	1.8 -	1.3
	0-14	344,480	328,550	673,000	343,630	325,770	669,390	344,990	326,400	671,370	348,100	328,490	676,600	344,780	325,920	670,690	0.1	- 0.8 -	0.3
New	15-64	1,180,810	1,220,510	2,401,330	1,253,390	1,287,880	2,541,300	1,274,120	1,306,250	2,580,350	1,294,170	1,321,760	2,615,920	1,308,470	1,327,170	2,635,660	10.8	8.7	9.8
Zealand	65+	217,250	268,680	485,910	264,740	311,720	576,430	305,130	351,320	656,460	354,640	403,490	758,120	409,450	465,470	874,930	88.5	73.2	80.1
	Total	1,742,540	1,817,740	3,560,240	1,861,760	1,925,370	3,787,120	1,924,240	1,983,970	3,908,180	1,996,910	2,053,740	4,050,640	2,062,700	2,118,560	4,181,280	18.4	16.5	17.4

#### Table 1.3.2: Projected Non Māori Population Aged 0 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	390	370	760	350	340	690	320	310	640	310	300	610	290	280	570	- 25.6 -	24.3 -	25.0
New Zealand	22,080	21,070	43,140	22,610	21,440	44,040	22,300	21,140	43,440	22,330	21,160	43,490	22,190	21,040	43,220	0.5	- 0.1	0.2

#### Table 1.3.3: Projected Non Māori Population Aged 1-4 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 200	)6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,560	1,520	3,080	1,500	1,430	2,940	1,360	1,320	2,680	1,280	1,240	2,520	1,220	1,180	2,410	- 21.8 -	22.4 -	21.8
New	96 670	92.140	169,810	02.190	97.510	180.690	00.630	05.020	176 420	00.160	0F 300	175.550	89.980	8F 300	175.180	2.0	2.5	2.2
Zealand	86,670	83,140	109,810	93,180	87,510	180,090	90,620	85,820	176,430	90,160	85,380	1/5,550	89,980	85,200	1/5,180	3.0	2.5	3.2

#### Table 1.3.4: Projected Non Māori Population Aged 5-9 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,170	1,990	4,160	1,990	1,880	3,870	1,900	1,780	3,680	1,700	1,600	3,300	1,600	1,510	3,120	- 26.3 -	24.1 -	25.0
New Zealand	112,730	107,750	220,470	113,100	107,320	220,420	117,740	110,740	228,470	115,160	108,880	224,040	114,750	108,480	223,220	1.8	0.7	1.2

#### Table 1.3.5: Projected Non Māori Population Aged 10-14 Years by Sex at 30 June 2007-26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 200	ე6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,320	2,210	4,550	2,080	1,880	3,960	1,920	1,800	3,730	1,860	1,730	3,590	1,650	1,550	3,200	- 28.9 -	29.9 -	29.7
New Zealand	123,000	116,590	239,580	114,740	109,500	224,240	114,330	108,700	223,030	120,450	113,070	233,520	117,860	111,200	229,070	- 4.2 -	4.6 -	4.4

Table 1.3.6: Projected Non Māori Population Aged 15-19 Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,110	1,940	4,050	1,910	1,770	3,680	1,760	1,560	3,320	1,560	1,430	2,990	1,500	1,370	2,870	- 28.9 -	29.4 -	29.1
New Zealand	126,500	121,070	247,580	126,700	121,460	248,170	120,580	116,150	236,730	119,050	114,600	233,650	125,420	119,230	244,650	- 0.9 -	1.5 -	1.2

	Projected No	2006(Base)		,	2012	,	,	2016			2021			2026		% Population	n Change 20	16-2026
	Mala	. ,	Total	Mala		Total	Mala		Total	Mala		Total	Mala	Female	Total			
-1	Male	Female	Total	Male	Female 1.710	Total	Male	Female 1.630	Total	Male	Female	Total	Male		Total	Male	Female	Total 22
akes	1,640	1,460	3,110	1,740	1,710	3,460	1,600	1,630	3,230	1,400	1,340	2,740	1,200	1,210	2,400	- 26.8 -	17.1 -	22
ew ealand	121,650	119,430	241,090	138,610	130,240	268,860	136,730	130,170	266,900	128,320	123,120	251,440	126,840	121,580	248,420	4.3	1.8	3
able 1.3.8:	Projected No	n Māori Popula	ation Aged 2	5-29 Years by	Sex at 30 Jun	e 2007–26 (2	.006-Base)											
		2006(Base)			2012			2016			2021			2026		% Population	n Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
akes	1,710	1,860	3,560	1,860	1,850	3,710	1,940	2,040	3,980	1,800	1,950	3,740	1,590	1,660	3,250	- 7.0 -	10.8 -	8
lew	106,150	110,640	216,790	128,090	126,380	254,480	137,910	131,040	268,950	138,620	133,610	272,220	130,260	126,560	256,820	22.7	14.4	18
ealand																		
able 1.3.9:	Projected No		ation Aged 30	0-34 Years by		e 2007–26 (2	006-Base)											
		2006(Base)			2012			2016			2021			2026			n Change 20	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
akes	2,090	2,230	4,320	1,880	1,940	3,820	1,980	1,910	3,900	2,080	2,150	4,230	1,940	2,060	4,000	- 7.2 -	7.6 -	7
lew ealand	116,040	126,660	242,690	118,190	124,180	242,370	132,200	134,010	266,200	143,710	138,710	282,420	144,510	141,290	285,790	24.5	11.6	17
	Male	2006(Base) Female	Total	Male	2012 Female	Total	Male	2016 Female	Total	Male	2021 Female	Total	Male	2026 Female	Total	% Population Male	n Change 20 Female	06-2026 Total
akes	2,450	2,660	5,100	2,140	2,190	4,330	1,950	2,010	3,960	2,070	1,940	4,000	2,170	2,170	4,350	- 11.4 -	18.4 -	14
lew	2,130	· · · · · · · · · · · · · · · · · · ·	3,200	,	· · · · · · · · · · · · · · · · · · ·	·	,	· · · · · · · · · · · · · · · · · · ·		2,070	2,3 .0	.,000	<u> </u>		,		1011	
ealand	129,200	140,820	270,010	117,580	127,670	245,250	118,330	125,130	243,460	135,710	137,610	273,320	147,330	142,400	289,730	14.0	1.1	7
able 1.3.1	1: Projected No	on Māori Popu	lation Aged	40-44 Years b	y Sex at 30 Ju	ne 2007–26 (	(2006-Base)											
		2006(Base)						2016			2021			2026		% Population	n Change 20	06-2026
		2000(Base)			2012			2016			2021					, o . opaiacio.		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
ikes	Male 2,580	. ,	Total 5,370	Male 2,450		Total 5,080	Male 2,200		Total 4,450	Male 1,970		Total 3,950	Male 2,080	Female 1,920	Total 4,000	-		Total 25
lew		Female			Female			Female			Female					Male	Female	
ew ealand	2,580 136,770	Female 2,780 145,180	5,370 281,960	2,450 132,310	Female 2,630 143,980	5,080 276,290	2,200 122,510	Female 2,240	4,450	1,970	Female 1,980	3,950	2,080	1,920	4,000	Male - 19.4 -	Female 30.9 -	25
ew ealand	2,580	Female 2,780 145,180 on Māori Popu	5,370 281,960	2,450 132,310	Female 2,630 143,980 y Sex at 30 Ju	5,080 276,290	2,200 122,510	Female 2,240 133,690	4,450	1,970	Female 1,980 126,950	3,950	2,080	1,920 139,430	4,000	Male - 19.4 - 0.5 -	Female 30.9 - 4.0 -	25
ew ealand	2,580 136,770 2: Projected No	Female 2,780 145,180 on Māori Popu 2006(Base)	5,370 281,960 lation Aged	2,450 132,310 45-49 Years b	Female 2,630 143,980 y Sex at 30 Ju 2012	5,080 276,290 ne 2007–26	2,200 122,510 (2006-Base)	Female 2,240 133,690 2016	4,450 256,210	1,970 120,100	Female 1,980 126,950	3,950 247,050	2,080	1,920 139,430 2026	4,000 276,880	Male - 19.4 - 0.5 - % % Population	Female 30.9 - 4.0 -	25
ew ealand able 1.3.12	2,580 136,770 2: Projected No	Female 2,780 145,180 Dn Māori Popu 2006(Base) Female	5,370 281,960 lation Aged	2,450 132,310 45-49 Years b	Female 2,630 143,980 y Sex at 30 Ju 2012 Female	5,080 276,290 ne 2007–26	2,200 122,510 (2006-Base) Male	7 Female 2,240 133,690 2016 Female	4,450 256,210 Total	1,970 120,100 Male	Female 1,980 126,950 2021 Female	3,950 247,050 Total	2,080 137,440 Male	1,920 139,430 2026 Female	4,000 276,880 Total	Male - 19.4 - 0.5 - % Population	Female 30.9 - 4.0 -  Change 20 Female	25 1 06-2026 Total
lew ealand able 1.3.12	2,580 136,770 2: Projected No	Female 2,780 145,180 on Māori Popu 2006(Base)	5,370 281,960 lation Aged	2,450 132,310 45-49 Years b	Female 2,630 143,980 y Sex at 30 Ju 2012	5,080 276,290 ne 2007–26	2,200 122,510 (2006-Base)	Female 2,240 133,690 2016	4,450 256,210	1,970 120,100	Female 1,980 126,950	3,950 247,050	2,080	1,920 139,430 2026	4,000 276,880	Male - 19.4 - 0.5 - % % Population	Female 30.9 - 4.0 -	25 26-2026 Total
ew ealand able 1.3.12 akes ew	2,580 136,770 2: Projected No	Female 2,780 145,180 Dn Māori Popu 2006(Base) Female	5,370 281,960 lation Aged	2,450 132,310 45-49 Years b	Female 2,630 143,980 y Sex at 30 Ju 2012 Female	5,080 276,290 ne 2007–26	2,200 122,510 (2006-Base) Male	7 Female 2,240 133,690 2016 Female	4,450 256,210 Total	1,970 120,100 Male	Female 1,980 126,950 2021 Female	3,950 247,050 Total	2,080 137,440 Male	1,920 139,430 2026 Female	4,000 276,880 Total	Male - 19.4 - 0.5 - % Population	Female 30.9 - 4.0 -  Change 20 Female	25 06-2026 Total 28
ew ealand able 1.3.12 akes ew ealand	2,580 136,770 2: Projected No Male 2,700 132,360	Female 2,780 145,180  on Māori Popu 2006(Base) Female 2,700 137,450	5,370 281,960 lation Aged Total 5,400 269,810	2,450 132,310 45-49 Years b Male 2,500 134,800	Female 2,630 143,980 y Sex at 30 Ju 2012 Female 2,590 143,200	5,080 276,290 ne 2007–26 Total 5,100 278,000	2,200 122,510 (2006-Base) Male 2,440 131,610	2,240 133,690 2016 Female 2,590	4,450 256,210 Total 5,030	1,970 120,100 Male 2,180	Female 1,980 126,950 2021 Female 2,190	3,950 247,050 Total 4,370	2,080 137,440 Male 1,950	1,920 139,430 2026 Female 1,940	4,000 276,880 Total 3,890	Male - 19.4 - 0.5 -  % Population Male - 27.8 -	Female  30.9 -  4.0 -  1 Change 20  Female  28.1 -	25 06-2020 Total
akes Iew ealand	2,580 136,770 2: Projected No Male 2,700	Female 2,780 145,180  on Māori Popu 2006(Base) Female 2,700 137,450	5,370 281,960 lation Aged Total 5,400 269,810	2,450 132,310 45-49 Years b Male 2,500 134,800	Female 2,630 143,980 y Sex at 30 Ju 2012 Female 2,590 143,200	5,080 276,290 ne 2007–26 Total 5,100 278,000	2,200 122,510 (2006-Base) Male 2,440 131,610	2,240 133,690 2016 Female 2,590	4,450 256,210 Total 5,030	1,970 120,100 Male 2,180	Female 1,980 126,950 2021 Female 2,190	3,950 247,050 Total 4,370	2,080 137,440 Male 1,950	1,920 139,430 2026 Female 1,940	4,000 276,880 Total 3,890	Male - 19.4 - 0.5 - % Population Male - 27.8 9.4 -	Female  30.9 -  4.0 -  1 Change 20  Female  28.1 -	25 1 06-2026 Total 28

Male

2,400

129,460

Female

2,530

140,770

Total

4,940

270,240

Male

2,150

120,340

Female

2,130

131,560

Total

4,280

251,910

Male

9.7 -

2.9

Female

13.1 -

9.8

Total

11.4

6.4

Total

5,200

277,600

Male

2,380

117,000

Lakes

New

Zealand

Female

2,450

119,790

Total

4,830

236,790

Male

2,690

133,190

Female

2,750

139,210

Total

5,430

272,400

Male

2,530

134,760

Female

2,680

142,840

	: Projected No	2006(Base)			2012		(	2016			2021			2026		% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	2,290	2,430	4,720	2,380	2,450	4,820	2,620	2,600	5,220	2,480	2,640	5,120	2,370	2,490	4,860	3.5	2.5	3.0
New	,		,	,	· · · · · · · · · · · · · · · · · · ·	<u> </u>	,		·	,	· · · · · ·		· · · · · · · · · · · · · · · · · · ·		,		24.0	
Zealand	110,010	112,070	222,080	117,050	121,110	238,170	127,660	133,710	261,370	132,020	140,920	272,940	126,980	139,020	266,000	15.4	24.0	19.8
Table 1.3.15	: Projected No		lation Aged	60-64 Years b		ne 2007–26	(2006-Base)		T									
		2006(Base)			2012			2016			2021			2026			on Change 20	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,930	1,930	3,860	2,300	2,380	4,670	2,370	2,420	4,790	2,650	2,620	5,260	2,520	2,660	5,170	30.6	37.8	33.9
New Zealand	85,130	87,400	172,530	106,870	110,450	217,310	111,830	116,770	228,590	124,870	132,090	256,960	129,380	139,370	268,750	52.0	59.5	55.8
Table 1.3.16	: Projected No	n Māori Popu	lation Aged	65-69 Years b	y Sex at 30 Ju	ne 2007–26	(2006-Base)											
		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,630	1,570	3,200	2,000	1,990	3,990	2,270	2,370	4,640	2,340	2,370	4,700	2,630	2,560	5,190	61.3	63.1	62.2
New Zealand	70,210	73,980	144,180	86,880	90,720	177,580	103,140	108,210	211,350	108,050	114,360	222,420	121,010	129,590	250,600	72.4	75.2	73.8
Table 1 2 17	: Projected No	n Māori Donu	lation Agod	70.74 Voors b	y Soy at 20 lu	no 2007 26	(2006 Paco)								<u> </u>			
14016 1.3.17	. Frojected No	2006(Base)	iation Ageu	70-74 Teals b	2012	THE 2007-20	(2000-base)	2016			2021			2026	I	% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,220	1,300	2,530	1,580	1,620	3,200	1,760	1,780	3,540	2,120	2,240	4,370	2,200	2,260	4,460	80.3	73.8	76.3
New Zealand	54,030	59,010	113,030	68,560	74,000	142,560	76,460	81,690	158,150	96,610	103,380	199,980	101,850	109,730	211,580	88.5	86.0	87.2
Table 1 2 19	: Projected No	ın Māori Ponu	lation Aged	75-79 Vears b	y Soy at 20 lu	no 2007–26	(2006-Rase)		"						1			
14010 1.5.10	I rojected Ne	2006(Base)	iation Agea	73 73 Teals b	2012	110 2007 20	(2000 base)	2016			2021			2026		% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	1,060	1,150	2,210	1,020	1,140	2,160	1,270	1,330	2,600	1,510	1,600	3,110	1,830	2,040	3,880	72.6	77.4	75.6
New Zealand	45,760	53,650	99,400	47,690	54,630	102,320	57,160	64,360	121,520	67,620	75,070	142,700	86,080	95,520	181,610	88.1	78.0	82.7
Tahle 1 3 10	: Projected No	ın Māori Ponu	lation Aged	80-84 Vears h	v Sev at 30 lu	ne 2007–26	(2006-Base)											
10010 1.5.15	i riojecteu ive	2006(Base)	iation Agea	00 04 10013 5	2012	HC 2007 20	(2000 Buse)	2016			2021			2026		% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	600	870	1,470	800	910	1,710	770	960	1,730	980	1,110	2,110	1,180	1,360	2,540	96.7	56.3	72.8
New			,			-			·		· · · · · · · · · · · · · · · · · · ·			-	,			
Zealand	29,400	42,770	72,170	35,490	44,760	80,250	36,680	45,110	81,790	45,810	55,070	100,870	54,870	64,890	119,760	86.6	51.7	65.9
Table 1.3.20	: Projected No	-	lation Aged	85-89 Years b		ne 2007–26	(2006-Base)		Т						ı			
		2006(Base)			2012			2016			2021			2026		-	on Change 20	
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	25.0	F30	770	200														
Lakes New	250	520	770	360	580	920	430	580	1,010	450	610	1,050	580	750	1,320	132.0	44.2	71.4

53,910

23,840

32,800

56,640

30,730

41,000

71,730

138.6

61.5

87.4

31,810

38,270

18,800

30,210

49,000

22,090

12,880

Zealand

25,390

Table 1.3.21: Projected Non Māori Population Aged 90+ Years by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	160	440	590	220	540	760	280	630	910	370	720	1,090	430	750	1,190	168.8	70.5	101.7
New Zealand	100	230	330	140	340	470	190	380	560	230	430	670	280	450	740	180.0	95.7	124.2

Table 1.3.22: Projected Non Māori Population by Sex at 30 June 2007–26 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	n Change 200	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Lakes	33,180	34,170	67,380	33,670	34,370	68,010	33,580	34,290	67,890	33,370	34,000	67,370	32,930	33,550	66,500	- 0.8 -	1.8 -	1.3
New Zealand	1,742,500	1,817,700	3,560,300	1,861,800	1,925,300	3,787,100	1,924,200	1,984,000	3,908,200	1,996,900	2,053,700	4,050,600	2,062,700	2,118,500	4,181,200	18.4	16.5	17.4

NOTE: Owing to rounding, individual figures do not always sum to the totals shown.

These projections are: Medium Projection : Assuming Medium Fertility, Medium Mortality, and Medium Migration

These projections were derived in September 2010.

Source: Statistics New Zealand Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

Table 1.4.1: Population Distribution by Age: Males (2006 Census)

		0-4	5–9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
Lakes	Number	3,870	4,113	4,257	3,651	2,667	2,610	3,090	3,369	3,531
Lakes	Percentage	8.0	9.0	9.0	8.0	6.0	5.0	6.0	7.0	7.0
New Zealand	Number	140,382	146,532	157,116	152,439	135,084	117,216	130,884	143,001	150,900
New Zealand	Percentage	7.1	7.5	8.0	7.8	6.9	6.0	6.7	7.3	7.7

		45-49	50-54	55-59	60-64	65–69	70–74	75-79	80-84	85+	Total
Lakes	Number	3,570	2,964	2,754	2,229	1,857	1,383	1,152	630	369	48,063
	Percentage	7.0	6.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	
New Zealand	Number	143,055	124,311	115,224	88,338	72,114	55,878	46,356	29,124	17,667	1,965,618
	Percentage	7.3	6.3	5.9	4.5	3.7	2.8	2.4	1.5	0.9	

(1) All figures are for the census usually resident population.

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables

Table 1.4.2: Population Distribution by Age: Females (2006 Census)

		0-4	5–9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
Lakor	Number	3,693	3,873	4,059	3,465	2,682	2,925	3,402	3,825	3,930
Lakes F	Percentage	7.0	8.0	8.0	7.0	5.0	6.0	7.0	8.0	8.0
New Zealand	Number	134,694	139,956	148,896	147,762	135,894	125,223	145,677	158,553	162,798
INEW Zedialiu	Percentage	6.5	6.8	7.2	7.2	6.6	6.1	7.1	7.7	7.9

		45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Lakes	Number	3,663	3,144	2,997	2,277	1,857	1,479	1,272	930	771	50,256
Lakes	Percentage	7.0	6.0	6.0	5.0	4.0	3.0	3.0	2.0	2.0	
New Zealand	Number	150,369	128,421	118,347	91,278	76,434	61,056	54,858	43,113	39,000	2,062,329
New Zealand	Percentage	7.3	6.2	5.7	4.4	3.7	3.0	2.7	2.1	1.9	

(1) All figures are for the census usually resident population.

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables

Table 1.4.3: Population Distribution by Age: Total (2006 Census)

		0-4	5–9	10-14	15-19	20-24	25–29	30-34	35-39	40-44
Lakos	Number	7,560	7,986	8,316	7,113	5,346	5,535	6,489	7,197	7,464
Lakes	Percentage	8.0	8.0	8.0	7.0	5.0	6.0	7.0	7.0	8.0
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,698
	Percentage	6.8	7.1	7.6	7.5	6.7	6.0	6.9	7.5	7.8
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,69

		45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Lakes	Number	7,233	6,111	5,754	4,509	3,717	2,862	2,424	1,563	1,140	98,319
Lakes	Percentage	7.0	6.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	
New Zeelend	Number	293,421	252,729	233,571	179,616	148,545	116,934	101,214	72,237	56,670	4,027,947
New Zealand	Percentage	7.3	6.3	5.8	4.5	3.7	2.9	2.5	1.8	1.4	

(1) All figures are for the census usually resident population.

Note: This data has been randomly rounded to protect confidentiality.

Table 1.4.4: Female Population by Ethnicity (2006 Census)

Age Group (years)		Ma	āori			Non	Māori			Total peop	le stated**		Tota	Il people, not els	ewhere include	d***	Total	people
	La	kes	New 2	Zealand	La	kes	New 2	Zealand	La	kes	New 2	ealand	La	kes	New Z	ealand	Lakes	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	1,755	50.5	32,355	25.1	1,722	49.5	96,579	74.9	3,477	94.2	128,934	95.7	216	5.8	5,760	4.3	3,693	134,697
5–9	1,818	49.1	32,544	24.2	1,881	50.9	101,832	75.8	3,699	95.4	134,376	96.0	177	4.6	5,577	4.0	3,876	139,956
10-14	1,794	46.9	32,379	22.6	2,034	53.1	110,901	77.4	3,828	94.3	143,280	96.2	231	5.7	5,613	3.8	4,059	148,896
15-19	1,557	47.6	29,502	20.8	1,716	52.4	112,365	79.2	3,273	94.5	141,867	96.0	192	5.5	5,895	4.0	3,462	147,759
20-24	1,170	47.0	22,434	17.4	1,320	53.0	106,608	82.6	2,490	92.8	129,042	95.0	189	7.0	6,849	5.0	2,682	135,891
25-29	1,119	40.4	20,529	17.2	1,653	59.6	98,604	82.8	2,772	94.8	119,133	95.1	156	5.3	6,090	4.9	2,925	125,226
30-34	1,161	35.7	21,384	15.3	2,088	64.3	118,290	84.7	3,249	95.5	139,674	95.9	153	4.5	6,000	4.1	3,402	145,677
35-39	1,203	32.9	20,790	13.6	2,454	67.1	131,550	86.4	3,657	95.5	152,340	96.1	171	4.5	6,210	3.9	3,828	158,553
40-44	1,125	30.0	19,905	12.7	2,628	70.0	136,773	87.3	3,753	95.5	156,678	96.2	180	4.6	6,120	3.8	3,930	162,798
45-49	1,029	29.7	16,926	11.7	2,436	70.3	127,536	88.3	3,465	94.6	144,462	96.1	198	5.4	5,907	3.9	3,663	150,369
50-54	759	25.2	12,597	10.2	2,247	74.8	110,826	89.8	3,006	95.6	123,423	96.1	138	4.4	4,998	3.9	3,144	128,421
55-59	570	19.9	9,762	8.6	2,295	80.1	104,037	91.4	2,865	95.5	113,799	96.2	132	4.4	4,548	3.8	3,000	118,347
60-64	405	18.7	6,717	7.6	1,761	81.3	81,159	92.4	2,166	95.0	87,876	96.3	114	5.0	3,405	3.7	2,280	91,278
65-69	330	18.8	5,310	7.2	1,422	81.2	68,244	92.8	1,752	94.3	73,554	96.2	105	5.7	2,880	3.8	1,857	76,434
70-74	204	14.5	3,471	5.9	1,206	85.5	55,368	94.1	1,410	95.3	58,839	96.4	72	4.9	2,217	3.6	1,479	61,059
75-79	135	11.2	2,190	4.1	1,074	88.8	50,607	95.9	1,209	95.0	52,797	96.2	63	5.0	2,058	3.8	1,272	54,855
80-84	81	9.1	1,074	2.6	807	90.9	40,437	97.4	888	95.5	41,511	96.3	42	4.5	1,605	3.7	930	43,116
85 and over	39	5.3	609	1.6	699	94.7	37,002	98.4	738	95.7	37,611	96.4	33	4.3	1,389	3.6	771	39,000
Total	16,254	34.1	290,469	14.7	31,437	65.9	1,688,736	85.3	47,691	94.9	1,979,205	96.0	2,562	5.1	83,124	4.0	50,256	2,062,326

All figures are for the census usually resident population.

<sup>\*</sup> Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

<sup>\*\*</sup>Percentage for 'Total People Stated' and 'Total People not Included Elsewhere' uses 'Total Population as the Denominator

<sup>\*\*\*&#</sup>x27;Total People not included elsewhere refers to all those who did not state an ethnicity

Table 1.4.5: Male Population by Ethnicity (2006 Census)

Age Group (years)		Ma	āori			Non	Māori			Total peop	le stated**		Tota	l people, not els	sewhere include	d***	Total	people
	La	kes	New Z	ealand.	La	kes	New 2	ealand.	La	kes	New 2	ealand	La	kes	New 2	Zealand	Lakes	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	1,896	51.3	34,071	25.3	1,803	48.7	100,671	74.7	3,699	95.6	134,742	96.0	171	4.4	5,640	4.0	3,870	140,382
5–9	1,863	47.9	34,230	24.2	2,025	52.1	106,974	75.8	3,888	94.5	141,204	96.4	222	5.4	5,331	3.6	4,113	146,535
10-14	1,899	46.4	34,347	22.7	2,190	53.6	117,129	77.3	4,089	96.1	151,476	96.4	165	3.9	5,637	3.6	4,254	157,113
15-19	1,566	45.2	29,031	19.9	1,896	54.8	117,156	80.1	3,462	94.8	146,187	95.9	189	5.2	6,252	4.1	3,651	152,436
20-24	1,014	41.3	20,337	16.0	1,443	58.7	107,127	84.0	2,457	92.1	127,464	94.4	210	7.9	7,623	5.6	2,667	135,087
25-29	936	38.3	17,577	15.9	1,509	61.7	92,970	84.1	2,445	93.7	110,547	94.3	165	6.3	6,669	5.7	2,610	117,216
30-34	996	34.2	18,075	14.5	1,917	65.8	106,272	85.5	2,913	94.4	124,347	95.0	177	5.7	6,540	5.0	3,087	130,884
35-39	984	30.9	17,808	13.1	2,202	69.1	118,554	86.9	3,186	94.6	136,362	95.4	180	5.3	6,639	4.6	3,369	143,001
40-44	933	27.9	17,367	12.0	2,415	72.1	126,945	88.0	3,348	94.8	144,312	95.6	186	5.3	6,588	4.4	3,531	150,900
45-49	900	26.7	14,979	10.9	2,472	73.3	122,079	89.1	3,372	94.5	137,058	95.8	195	5.5	5,994	4.2	3,570	143,055
50-54	636	22.6	11,595	9.7	2,181	77.4	107,670	90.3	2,817	95.1	119,265	95.9	147	5.0	5,046	4.1	2,961	124,308
55-59	498	19.0	8,868	8.0	2,118	81.0	101,742	92.0	2,616	95.0	110,610	96.0	138	5.0	4,614	4.0	2,754	115,224
60-64	330	15.7	6,096	7.2	1,776	84.3	78,822	92.8	2,106	94.5	84,918	96.1	123	5.5	3,420	3.9	2,229	88,335
65-69	288	16.4	4,848	7.0	1,467	83.6	64,494	93.0	1,755	94.5	69,342	96.2	102	5.5	2,769	3.8	1,857	72,114
70-74	195	14.9	3,039	5.7	1,116	85.1	50,718	94.3	1,311	94.8	53,757	96.2	69	5.0	2,121	3.8	1,383	55,878
75–79	117	10.8	1,620	3.6		89.2	42,957	96.4	1,086	94.0	44,577	96.2	66	5.7	1,782	3.8	1,155	46,359
80-84	48	7.9	693	2.5	558	92.1	27,219	97.5	606	96.2	27,912	95.8	21	3.3	1,212	4.2	630	29,124
85 and over	18		279	1.7	330	94.8	16,599	98.3	348	94.3	16,878	95.5	21	5.7		4.5	369	17,667
Total	15,126	33.2	274,860	14.6	30,384	66.8	1,606,098	85.4	45,510	94.7	1,880,958	95.7	2,553	5.3	84,660	4.3	48,063	1,965,621

All figures are for the census usually resident population.

<sup>\*</sup> Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

<sup>\*\*</sup>Percentage for 'Total People Stated' and 'Total People not Included Elsewhere' uses 'Total Population as the Denominator

<sup>\*\*\*&#</sup>x27;Total People not included elsewhere refers to all those who did not state an ethnicity

Table 1.4.6: Total Population by Ethnicity (2006 Census)

Age Group (years)		Må	āori			Non	Māori			Total peop	le stated**		Tota	l people, not els	sewhere include	d***	Total	people
	La	kes	New Z	ealand.	La	kes	New Z	Zealand	Lä	akes	New 2	Zealand	La	kes	New 2	Zealand	Lakes	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	3,651	50.9	66,426	25.2	3,525	49.1	197,250	74.8	7,176	94.9	263,676	95.9	384	5.1	11,400	4.1	7,563	275,079
5–9	3,684	48.6	66,774	24.2	3,903	51.4	208,806	75.8	7,587	95.0	275,580	96.2	399	5.0	10,908	3.8	7,986	286,488
10-14	3,693	46.6	66,726	22.6	4,227	53.4	228,030	77.4	7,920	95.2	294,756	96.3	396	4.8	11,253	3.7	8,316	306,009
15-19	3,123	46.4	58,533	20.3	3,612	53.6	229,521	79.7	6,735	94.7	288,054	96.0	381	5.4	12,144	4.0	7,113	300,198
20-24	2,181	44.1	42,771	16.7	2,766	55.9	213,735	83.3	4,947	92.5	256,506	94.7	399	7.5	14,472	5.3	5,346	270,978
25-29	2,055	39.4	38,106	16.6	3,162	60.6	191,577	83.4	5,217	94.3	229,683	94.7	318	5.7	12,759	5.3	5,535	242,442
30-34	2,157	35.0	39,459	14.9	4,005	65.0	224,562	85.1	6,162	94.9	264,021	95.5	330	5.1	12,540	4.5	6,492	276,561
35-39	2,187	32.0	38,598	13.4	4,656	68.0	250,104	86.6	6,843	95.1	288,702	95.7	354	4.9	12,852	4.3	7,194	301,554
40-44	2,058	29.0	37,272	12.4	5,040	71.0	263,718	87.6	7,098	95.1	300,990	95.9	363	4.9	12,708	4.1	7,464	313,698
45-49	1,929	28.2	31,908	11.3	4,908	71.8	249,612	88.7	6,837	94.5	281,520	95.9	396	5.5	11,901	4.1	7,233	293,421
50-54	1,395	24.0	24,192	10.0	4,428	76.0	218,496	90.0	5,823	95.3	242,688	96.0	285	4.7	10,044	4.0	6,108	252,732
55-59	1,071	19.5	18,630	8.3	4,413	80.5	205,779	91.7	5,484	95.3	224,409	96.1	273	4.7	9,162	3.9	5,754	233,574
60-64	738	17.3	12,816	7.4	3,534	82.7	159,975	92.6	4,272	94.8	172,791	96.2	237	5.3	6,825	3.8	4,506	179,616
65-69	618	17.6	10,158	7.1	2,889	82.4	132,741	92.9	3,507	94.4	142,899	96.2	204	5.5	5,646	3.8	3,714	148,548
70-74	402	14.8	6,510	5.8	2,319	85.2	106,086	94.2	2,721	95.1	112,596	96.3	141	4.9	4,338	3.7	2,862	116,934
75–79	255	11.1	3,807	3.9	2,040	88.9	93,567	96.1	2,295	94.6	97,374	96.2	132	5.4	3,840	3.8	2,427	101,214
80-84	126	8.4	1,764	2.5	1,371	91.6	67,659	97.5	1,497	95.8	69,423	96.1	63	4.0	2,814	3.9	1,563	72,240
85 and over	57	5.2	888	1.6	1,029	94.8	53,604	98.4	1,086	95.0	54,492	96.2	57	5.0	2,178	3.8	1,143	56,670
Total	31,377	33.7	565,326	14.6	61,827	66.3	3,294,837	85.4	93,204	94.8	3,860,163	95.8	5,115	5.2	167,784	4.2	98,319	4,027,947

All figures are for the census usually resident population.

Table 1.4.7: Population Distribution by Birthplace (2006 Census)

							Birthplace					
Location	Unit	New Zealand	Australia(1)	Pacific Islands(2)	United Kingdom and Ireland	Europe (excluding UK and Ireland)	North America	Asia	Other	Total Overseas	Not elsewhere included(3)	Total
Lakes	Number	79,212	1,578	1,098	5,352	1,395	504	2,304	1,245	13,473	5,634	98,319
Lakes	Percentage	80.6	1.6	1.1	5.4	1.4	0.5	2.3	1.3	13.7	5.7	
	Number	2,960,217	62,742	135,852	251,688	68,067	26,940	251,130	83,121	879,546	188,187	4,027,947
New Zealanu	Percentage	73.5	1.6	3.4	6.2	1.7	0.7	6.2	2.1	21.8	4.7	

All figures are for the census usually resident population.

(1) Includes Australian Territories.

<sup>\*</sup> Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

<sup>\*\*</sup>Percentage for 'Total People Stated' and 'Total People not Included Elsewhere' uses 'Total Population as the Denominator

<sup>\*\*\*&#</sup>x27;Total People not included elsewhere refers to all those who did not state an ethnicity

<sup>(2)</sup> Includes Melanesia, Micronesia and Polynesia. (3)

<sup>(2)</sup> Includes Melanesia, Micronesia and Polynesia. (3 includes Inadequately Described and Not Stated.

Note: This data has been randomly rounded to protect confidentiality.

Table 1.5.1: Legal Marital Status (2006 Census)

				l	Legal Marital Statu	S		
Location	Unit	Never married and never joined in a civil union	Married (not separated)	Separated(2)	Divorced	Widowed or bereaved civil union partner	Not elsewhere included(3)	Total
Lakes	Number	80,235	117,543	9,285	18,288	15,093	21,384	261,831
Lakes	Percentage	30.6	44.9	3.6	7.0	5.8	8.2	
New Zealand	Number	991,323	1,414,533	108,225	222,138	174,813	249,336	3,160,371
New Zealanu	Percentage	31.4	44.8	3.4	7.0	5.5	7.9	

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.2: Social Marital Status (2006 Census)

1 45.6 1.5.2. 500	iai Maritai Status (	1					Social Ma	rital Status					
			Parti	nered			300.0		rtnered				
Location	Unit	Partnered, not further defined <sup>(2)</sup>	Spouse <sup>(3)</sup>	Other partnership <sup>(4)</sup>	Total partnered	Non-partnered, not further defined	Non-partnered, never married and never joined in a civil union	Non-partnered, separated <sup>(5)</sup>	Non-partnered, divorced	Non-partnered, widowed or bereaved civil union partner	Total non- partnered	Not stated	Total
Lakes	Number	1,335	31,047	10,434	42,819	2,259	14,388	2,070	3,246	3,555	25,515	6,123	74,457
Lakes	Percentage	3.1	72.5	24.4	62.7	8.9	56.4	8.1	12.7	13.9	37.3		
New Zealand	Number	48,177	1,381,293	379,956	1,809,426	86,733	693,597	78,960	137,205	147,381	1,143,873	207,075	3,160,371
New Zealand	Percentage	2.7	76.3	21.0	61*	7.6	60.6	6.9	12.0	12.9	39*		

<sup>\* %</sup> of total - 'not stated'

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.3: Family Type (2006 Census)

			Famil	у Туре	
Location	Unit	Couple without children	Couple with child(ren)	One parent with child(ren)	Total
Lakes	Number	10,206	10,269	5,646	26,121
Lakes	Percentage	39.1	39.3	21.6	
New Zealand	Number	425,973	447,894	193,635	1,067,502
INCW Zealanu	Percentage	39.9	42.0	18.1	

<sup>(1)</sup> All figures are for families in private occupied dwellings.

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

<sup>(2)</sup> Includes people who are still legally married but permanently separated. This also applies to civil unions.

<sup>(3)</sup> Includes Joined in a Civil Union (Not Separated), Response Unidentifiable and Not Stated. For further

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

<sup>(2)</sup> Includes Partnered, Not Further Defined and Civil Union Partner. For further information, refer to the social marital status variable on the 2006 Census Information About Data web page: http://www.stats.govt.nz/census/.

<sup>(3)</sup> Applies only to married people, not those in civil unions.

<sup>(4)</sup> Living as Married: ie in a consensual union, de facto relationship etc.

<sup>(5)</sup> Includes people who are still legally married but permanently separated. Includes civil unions.

Table 1.5.4: Household Composition (2006 Census)

	•			Ho	usehold composit	ion		
Location	Unit	,	Two-family household (with or without other people)	Three-or-more family household (with or without other people)	Other multiperson household	One-person household	Household composition unidentifiable	Total
Lakes	Number	24,054	951	57	1,386	7,851	903	35,199
Lakes	Percentage	68.3	2.7	0.2	3.9	22.3	2.6	
New Zealand	Number	985,542	37,083	2,526	72,657	328,299	28,065	1,454,175
New Zealanu	Percentage	67.8	2.6	0.2	5.0	22.6	1.9	

<sup>(1)</sup> All figures are for households in private occupied dwellings.

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.5: Number of Languages Spoken (2006 Census)

	izer or zaribaabes o	,	-,							
					Numb	er of Languages Sp	ooken			
Location	Unit	None	One	Two	Three	Four	Five	Six	Not elsewhere included(2)	Total
Lakes	Number	2,928	132,087	15,909	1,923	564	138	36	5,256	158,841
Lakes	Percentage	1.8	83.2	10.0	1.2	0.4	0.1	0.0	3.3	
New Zealand	Number	75,198	3,083,904	562,446	83,400	19,281	5,055	1,476	197,190	4,027,947
	Percentage	1.9	76.6	14.0	2.1	0.5	0.1	0.0	4.9	

<sup>(1)</sup> All figures are for the census usually resident population.

Note: This data has been randomly rounded to protect confidentiality.

<sup>(2)</sup> Includes Response Unidentifiable, Response Outside Scope and Not Stated.

Table 1.5.6: Number of children born by age group of mother (2006 Census)

			-		Age	Group (Years) of N	1other			
Location	Unit	15-	-19	20	-24	25	<b>-</b> 29	30–34		35-39
Location	Offic	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number
	No children	2,811	32.7	1,431	16.6	1,080	12.6	789	9.2	525
	One child	180	4.2	585	13.5	561	13.0	633	14.7	522
	Two children	30	0.3	246	2.8	570	6.4	846	9.5	1,158
	Three children	-	-	51	0.8	273	4.3	468	7.3	687
	Four children	-	-	15	0.4	102	3.0	195	5.8	324
	Five children	-	-	6	0.4	33	2.3	84	5.8	120
Lakes	Six or more children	-	-	3	0.2	12	0.9	66	5.1	93
	Object to answering	51	4.1	51	4.1	75	6.0	75	6.0	132
	Not elsewhere included(2)	390	12.6	294	9.5	222	7.2	246	8.0	267
	Total	3,465	9.0	2,682	6.9	2,928	7.6	3,402	8.8	3,828
	No children	127,560	27.7	97,428	21.1	65,100	14.1	46,014	10.0	28,836
	One child	4,182	2.4	15,777	8.9	21,531	12.2	29,202	16.5	25,065
	Two children	609	0.2	6,396	1.7	16,230	4.3	34,215	9.1	50,463
	Three children	69	0.0	1,581	0.6	6,543	2.6	14,490	5.7	24,834
	Four children	24	0.0	360	0.3	2,202	1.8	5,445	4.5	9,258
	Five children	9	0.0	72	0.1	717	1.5	1,989	4.0	3,504
New Zealand	Six or more children	36	0.1	72	0.2	348	0.8	1,266	3.0	2,613
	Object to answering	2,190	4.8	2,376	5.2	2,538	5.6	3,570	7.8	4,446
	Not elsewhere included(2)	13,083	11.4	11,832	10.3	10,017	8.8	9,486	8.3	9,534
	Total	147,762	9.0	135,891	8.3	125,226	7.6	145,674	8.9	158,550

						Age	Group (Years) of N	1other				
Location	Unit		40-	-44	45	-49	50-	-54	55	<b>-</b> 59	60	-64
LOCATION	Offic	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
	No children	6.1	447	5.2	336	3.9	285	3.3	240	2.8	162	1.9
	One child	12.1	447	10.3	330	7.6	273	6.3	237	5.5	147	3.4
	Two children	13.0	1,215	13.7	1,128	12.7	954	10.8	870	9.8	612	6.9
	Three children	10.7	771	12.0	825	12.8	735	11.4	741	11.5	543	8.5
	Four children	9.7	393	11.7	384	11.5	360	10.8	342	10.2	288	8.6
	Five children	8.4	159	11.1	144	10.0	129	9.0	126	8.8	129	9.0
Lakes	Six or more children	7.2	93	7.2	102	7.9	81	6.3	105	8.1	117	9.1
	Object to answering	10.5	132	10.5	138	11.0	114	9.1	135	10.8	108	8.6
	Not elsewhere included(2)	8.6	279	9.0	276	8.9	216	7.0	213	6.9	171	5.5
	Total	9.9	3,930	10.2	3,663	9.5	3,147	8.1	3,000	7.8	2,280	5.9
	No children	6.3	22,218	4.8	18,129	3.9	13,647	3.0	10,785	2.3	7,362	1.6
	One child	14.1	20,712	11.7	16,119	9.1	11,901	6.7	9,288	5.2	5,697	3.2
	Two children	13.5	53,691	14.4	48,369	12.9	41,979	11.2	38,571	10.3	26,340	7.0
	Three children	9.8	31,185	12.3	32,211	12.7	29,451	11.6	28,899	11.4	23,145	9.1
	Four children	7.6	12,384	10.2	13,512	11.1	12,261	10.1	12,141	10.0	11,604	9.6
	Five children	7.1	4,569	9.3	4,647	9.4	4,116	8.4	4,221	8.6	4,431	9.0
New Zealand	Six or more children	6.1	3,381	7.9	3,360	7.9	2,871	6.7	2,910	6.8	3,738	8.8
	Object to answering	9.7	5,157	11.3	5,001	10.9	4,458	9.8	4,476	9.8	3,351	7.3
	Not elsewhere included(2)	8.3	9,495	8.3	9,021	7.9	7,734	6.8	7,056	6.2	5,613	4.9
	Total	9.7	162,798	9.9	150,369	9.2	128,421	7.8	118,347	7.2	91,278	5.6

						Age	Group (Years) of N	1other				
Location	Unit	65·	-69	70	-74	75	<b>-</b> 79	80	-84	85 an	d over	Total
Location	Offic	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number
	No children	117	1.4	93	1.1	108	1.3	93	1.1	84	1.0	8,598
	One child	108	2.5	72	1.7	84	1.9	69	1.6	69	1.6	4,320
	Two children	402	4.5	276	3.1	225	2.5	168	1.9	174	2.0	8,874
	Three children	426	6.6	318	5.0		3.8	186	2.9	153	2.4	
	Four children	291	8.7	258	7.7		5.8	129	3.9	72	2.2	3,345
	Five children	126	8.8	144	10.0	120	8.4	69	4.8	51	3.5	1,437
Lakes	Six or more children	153	11.9	153	11.9	147	11.4	102	7.9	57	4.4	1,290
	Object to answering	75	6.0	51	4.1	45	3.6	36	2.9	39	3.1	1,254
	Not elsewhere included(2)	159	5.1	111	3.6	105	3.4	78	2.5	72	2.3	3,090
	Total	1,857	4.8	1,482	3.8	1,272	3.3	933	2.4	771	2.0	38,631
	No children	5,661	1.2	4,662	1.0	4,872	1.1	4,347	0.9	4,590	1.0	461,217
	One child	4,038	2.3	3,216	1.8	3,297	1.9	3,252	1.8	3,861	2.2	177,138
	Two children	17,883	4.8	11,928	3.2	10,374	2.8	8,787	2.3	8,169	2.2	373,998
	Three children	19,230	7.6	13,953	5.5	11,799	4.7	8,847	3.5	7,053	2.8	253,290
	Four children	12,048	9.9	10,335	8.5	8,883	7.3	6,072	5.0	4,707	3.9	121,236
	Five children	5,169	10.5	5,403	11.0	4,671	9.5	3,294	6.7	2,385	4.8	49,188
New Zealand	Six or more children	4,914	11.5	5,580	13.1	5,364	12.6	3,615	8.5	2,529	5.9	42,594
	Object to answering	2,541	5.6	1,869	4.1	1,542	3.4	1,161	2.5	1,044	2.3	45,717
	Not elsewhere included(2)	4,947	4.3	4,116	3.6	4,056	3.5	3,744	3.3	4,668	4.1	114,399
	Total	76,434	4.7	61,056	3.7	54,858	3.3	43,113	2.6	39,000	2.4	1,638,783

<sup>(1)</sup> All figures are for the female census usually resident population aged 15 years and over.

<sup>(2)</sup> Includes Response Unidentifiable and Not Stated.

C= Confidential

Table 1.5.7: Individuals engaged in unpaid activities: Male (2006 Census)

	0.0					Unpaid Ac	tivity: Male				
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking after a child who is a member of own household	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people stated	Total people, not elsewhere included(3)	Total people
Lakes	Number	4,461	25,989	9,411	2,214	4,104	2,205	5,043	31,560	4,269	35,826
Lakes	Percentage	12.5	72.5	26.3	6.2	11.5	6.2	14.1			
New Zealand	Number	196,767	1,122,597	372,858	86,427	155,106	88,233	188,835	1,362,123	159,465	1,521,591
New Zealand	Percentage	12.9	73.8	24.5	5.7	10.2	5.8	12.4			

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.8: Individuals engaged in unpaid activities: Female (2006 Census)

	0.0					Unpaid Act	ivity: Female				
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking after a child who is a member of own household	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people stated	Total people, not elsewhere included(3)	Total people
Lakes	Number	2,457	31,209	13,632	3,669	8,229	4,347	6,921	34,503	4,128	38,631
Luncs	Percentage	6.4	80.8	35.3	9.5	21.3	11.3	17.9			
New Zealand	Number	124,485	1,324,236	525,054	134,799	305,037	170,472	248,406	1,480,929	157,854	1,638,783
INCW Zealallu	Percentage	7.6	80.8	32.0	8.2	18.6	10.4	15.2			

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over

Note: This data has been randomly rounded to protect confidentiality.

<sup>(2)</sup> Includes all of the people who stated each unpaid activity, whether as their only unpaid activity or as one of several unpaid activities. Where a person reported more than one unpaid activity, they have been counted in each applicable group.

<sup>(3)</sup> Includes Response Unidentifiable and Not Stated.

<sup>(2)</sup> Includes all of the people who stated each unpaid activity, whether as their only unpaid activity or as one of several unpaid activities. Where a person reported more than one unpaid activity, they have been counted in each applicable group.

<sup>(3)</sup> Includes Response Unidentifiable and Not Stated.

Table 1.5.9: Individuals engaged in unpaid activities: Total (2006 Census)

			,			Unpaid Ac	tivity: Total				
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking atter a	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people	Total people, not elsewhere included(3)	Total people
Lakes	Number	6,918	57,198	23,046	5,883	12,336	6,552	11,967	66,063	8,394	74,457
Lakes	Percentage	9.3	76.8	31.0	7.9	16.6	8.8	16.1			
New Zealand	Number	321,252	2,446,833	897,915	221,226	460,143	258,705	437,241	2,843,052	317,319	3,160,374
INCW Zealallu	Percentage	10.2	77.4	28.4	7.0	14.6	8.2	13.8			

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over

<sup>(2)</sup> Includes all of the people who stated each unpaid activity, whether as their only unpaid activity or as one of several unpaid activities. Where a person reported more than one unpaid activity, they have been counted in each applicable group.

<sup>(3)</sup> Includes Response Unidentifiable and Not Stated.

Note: This data has been randomly rounded to protect confidentiality.

Table 1.6.1: Highest Qualification Gained (2006 Census)

10010 1101111	ingriest Quaime	delion damed (2000 eens	457		Highest qualification			
					Highest qualification			
Location	Unit	No qualification	Level 1 certificate gained at school	Level 2 certificate gained at school	Level 3 or 4 certificate gained at school	Overseas secondary school qualification	Level 1, 2 or 3 certificate gained post- school	Level 4 certificate gained post-school
Lakes	Number	18,594	10,200	6,126	2,694	2,745	3,813	7,986
	Percentage	25.0	13.7	8.2	3.6	3.7	5.1	10.7
New Zealand	Number	708,432	386,073	263,850	170,055	172,590	128,619	286,599
TVCW Zealallu	Percentage	22.4	12.2	8.3	5.4	5.5	4.1	9.1

					Highest qu	alification			
Location	Unit	Level 5 diploma	Level 6 diploma	Bachelor degree and level 7 qualifications	Post-graduate and honours degree	Masters degree	Doctorate degree	Not elsewhere included(3)	Total
Lakas	Number	2,436	3,702	4,863	852	750	258	9,435	74,457
Lakes	Percentage	3.3	5.0	6.5	1.1	1.0	0.4	12.7	
New Zealand	Number	110,496	157,869	315,846	55,458	59,703	16,770	328,014	3,160,371
New Zealallu	Percentage	3.5	5.0	10.0	1.8	1.9	0.5	10.4	

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.6.2: Total Personal Income (2006 Census)

					Total perso	nal income			
Location	Unit	Loss	Zero income	\$1-\$5,000	\$5,001- \$10,000	\$10,001- \$15,000	\$15,001- \$20,000	\$20,001- \$25,000	\$25,001- \$30,000
Lakes	Number	363	2,640	4,476	5,199	8,754	6,582	5,802	5,667
	Percentage	0.5	3.6	6.0	7.0	11.8	8.8	7.8	7.6
New Zealand	Number	17,355	145,053	221,166	226,797	355,899	260,082	219,657	215,301
	Percentage	0.5	4.6	7.0	7.2	11.3	8.2	7.0	6.8

					Total perso	nal income			
Location	Unit	\$30,001- \$35,000	\$35,001- \$40,000	\$40,001- \$50,000	\$50,001- \$70,000	\$70,001- \$100,000	\$100,001 or more	Not stated	Total
Lakes	Number	4,971	4,965	5,979	6,090	2,262	1,791	8,922	74,457
	Percentage	6.7	6.7	8.0	8.2	3.0	2.4	12.0	
New Zealand	Number	201,300	202,770	262,299	281,157	125,118	105,525	320,892	3,160,371
	Percentage	6.4	6.4	8.3	8.9	4.0	3.3	10.2	

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

<sup>(2)</sup> In 2006, Highest Qualification data has been output in two different ways. The categories in this table show Highest Qualification in a way that can be compared with data from previous census.

<sup>(3)</sup> Includes Highest Qualification Unidentifiable and Not Stated.

<sup>(2)</sup> Total personal income relates to the 12 months ending 31 March 2006.

Table 1.6.3: Sources of Personal Income (2006 Census)

				Sc	ources of Personal Incor	ne		
Location	Unit	No source of income during that time	Wages, salary, commissions, bonuses etc	Self-employment or business	Interest, dividends, rent, other investments	Payments from a work accident insurer	NZ Superannuation or veterans pension	Other Superannuation, pensions, annuities
Lakes	Number	3,381	41,463	11,748	14,832	1,251	10,518	1,878
	Percentage	4.5	55.7	15.8	19.9	1.7	14.1	2.5
New Zealand	Number	175,680	1,775,343	492,024	714,732	45,114	439,686	83,265
	Percentage	5.6	56.2	15.6	22.6	1.4	13.9	2.6

		Sources of Personal Income										
Location	Unit	Unemployment benefit	Sickness benefit	Domestic purposes benefit	Invalids benefit	Student allowance	Other government benefits, payments or pension	Other sources of income	Not stated	Total		
Lakos	Number	2,352	1,818	3,285	1,635	981	2,433	1,284	5,598	74,457		
Lakes	Percentage	3.2	2.4	4.4	2.2	1.3	3.3	1.7	7.5			
New Zealand F	Number	92,169	70,554	93,090	75,357	64,284	96,357	66,411	198,135	3,160,371		
	Percentage	2.9	2.2	2.9	2.4	2.0	3.0	2.1	6.3			

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

Where a person reported more than one source of personal income, they have been counted in each applicable group.

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.6.4: Work and Labour Force Status (2006 Census)

	Table 21011 Work and Educat Force Status (2000 Schools)											
		Work and Labour Force Status (2006 Census)										
Location	Unit	Employed full time	Employed part time	Total employed	Unemployed	Total labour force	Not in the labour force	Work and labour force status unidentifiable	Total			
Lakes	Number	36,216	10,770	46,983	2,859	49,845	21,375	3,234	74,457			
Lakes	Percentage	77.1	22.9	94.3	5.7	66.9	28.7	4.3				
New Zealand	Number	1,531,020	454,758	1,985,775	106,497	2,092,275	961,788	106,311	3,160,371			
New Zealand	Percentage	77.1	22.9	94.9	5.1	66.2	30.4	3.4				

<sup>(1)</sup> All figures are for the census usually resident population aged 15 years and over.

Note: This data has been randomly rounded to protect confidentiality.

<sup>(2)</sup> Sources of personal income relates to the 12 months ending 7 March 2006.

<sup>(3)</sup> Includes all of the people who stated each source of personal income, whether as their only source of personal income or as one of several sources of personal income.

Table 1.6.5: Occupation - ANZSCO V1.0 Major Group (2006 Census)

		Occupation (ANZSCO)									
Location	Unit	Managers	Professionals	Technicians and trades workers	Community and personal service workers	Clerical and administrative workers	Sales workers	Machinery operators and drivers	Labourers	Not elsewhere included(3)	Total
Lakes	Number	8,226	7,380	6,090	4,197	5,007	4,179	3,138	6,066	2,706	46,983
	Percentage	17.5	15.7	13.0	8.9	10.7	8.9	6.7	12.9	5.8	
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404	1,985,775
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7	

<sup>(1)</sup> All figures are for the employed census usually resident population aged 15 years and over.

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.6.6: Access to Telecommunications (2006 Census)

		Type of Telecommunication										
Location	Unit	Access to a cellphone / mobile phone	Access to a telephone	Access to a fax machine	Access to the Internet	No access to telecommunication systems	Total households stated	Total households, not elsewhere included(3)	Total households			
Lakes	Number	25,224	28,827	8,715	18,489	1,038	33,372	1,827	35,199			
Lakes	Percentage	71.7	81.9	24.8	52.5	3.0	94.8	5.2				
New Zealand	Number	1,034,529	1,277,325	362,040	843,738	28,407	1,393,707	60,468	1,454,175			
	Percentage	71.1	87.8	24.9	58.0	2.0	95.8	4.2				

<sup>(1)</sup> All figures are for households in private occupied dwellings.

Note: This data has been randomly rounded to protect confidentiality.

 $Individual\ figures\ may\ not\ add\ up\ to\ totals, and\ values\ for\ the\ same\ data\ may\ vary\ in\ different\ tables.$ 

Table 1.6.7: Number of Motor Vehicles per Household (2006 Census)

		Number of Motor Vehicles										
Location	Unit	No motor vehicle	One motor vehicle	Two motor vehicles	Three or more motor vehicles	Not elsewhere included(2)	Total					
Lakes	Number	2,427	12,837	12,936	5,220	1,779	35,199					
Lakes	Percentage	6.9	36.5	36.8	14.8	5.1						
New Zealand	Number	112,758	527,844	531,627	222,204	59,745	1,454,175					
	Percentage	7.8	36.3	36.6	15.3	4.1						

<sup>(1)</sup> All figures are for households in private occupied dwellings.

<sup>(2)</sup> Australian and New Zealand Standard Classification of Occupations (ANZSCO V1.0).

<sup>(3)</sup> Includes Response Unidentifiable, Response Outside Scope and Not Stated.

<sup>(2)</sup> Households reporting more than one means of access to telecommunication systems have been counted in each stated category. Therefore the total number of responses in the table will be greater than the total number of households.

<sup>(3)</sup> Includes Response Unidentifiable and Not Stated.

<sup>(2)</sup> Includes Response Unidentifiable and Not Stated.

Table 1.6.8: Housing Tenure (2006 Census)

Table 1.0.8. I	Table 1.0.6. Housing retruite (2006 Census)											
			Housing	Tenure								
		Dw	Dwelling owned or partly owned by usual resident(s)									
Location	Unit	Mortgage arrangements not further defined	Mortgage payments made by owner/ usual resident(s)	Mortgage payments not made by owner/ usual resident(s)	Total, dwelling owned or partly owned by usual resident(s)							
Lakes	Number	2,442	32,487	26,694	61,623							
Lakes	Percentage	4.0	52.7	43.3								
New Zealand	Number	26,529	405,267	312,162	743,955							
ivew Zedialiu	Percentage	3.6	54.5	42.0								

			Housing Tenure  Dwelling not owned by usual resident(s)									
Location	Unit	Rental arrangements not further defined	Rent payments made by usual residents	Rent payments not made by usual residents	Total, dwelling not owned or partly owned by usual resident(s)							
Lakes	Number	564	32,733	6,717	40,014							
Lakes	Percentage	1.4	81.8	16.8								
New Zealand	Number	6,315	388,275	57,378	451,965							
INEW Zedialiu	Percentage	1.4	85.9	12.7								

			Housing Tenure											
		Dv	welling held in a family t	(2)										
Location	Unit	Mortgage arrangements not further defined	Mortgage payments made by usual residents	Mortgage payments not made by usual residents	Total, dwelling held in a family trust by usual resident(s)	Not elsewhere included <sup>(3)</sup>	Total							
Lakes	Number	1,041	5,928	6,105	13,071	8,190	122,901							
Lakes	Percentage	8.0	45.4	46.7										
New Zealand	Number	13,386	72,828	81,711	167,925	90,333								
INEW Zealallu	Percentage	8.0	43.4	48.7										

<sup>(1) &#</sup>x27;Tenure of household' refers to the nature of the land on which the dwelling is situated.

<sup>(2)</sup> Information on family trusts was first collected in 2006.

<sup>(3)</sup> Includes Response Unidentifiable and Not Stated

Note: This data has been randomly rounded to protect confidentiality.

Individual figures may not add up to totals, and values for the same data may vary in different tables.

# Mortality Tables (2006-2008)

NOTE A: Counts less than 5 have ASR's presented as "0.0" or "#N/A"

**NOTE B**: There are two comparisons being made in the following tables 1. Māori Age-Standardised Rate against non-Māori Age-Standardised Rate within the District Health Board:

Māori ASR statistically significantly higher than non-Māori ASR within DHB Māori ASR statistically significantly lower than non-Māori ASR within DHB

2. District Health Board Age-Standardised Rate against New Zealand Age-Standardised Rate:

DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

Key:

DHB = District Health Board ASR = Age-Standardised Rate

Table 2.1.1: Avoidable mortality, 0-74 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	251.2	44.1 - 458.4	69.9	3.4 - 136.4	116.0	40.5 - 191.5
	Male	346.3	86.0 - 606.5	121.1	18.1 - 224.1	178.9	76.4 - 281.4
	Total	296.9	132.0 - 461.9	95.7	34.1 - 157.2	147.3	83.7 - 210.9
New Zealand	Female	214.6	168.7 - 260.5	74.2	63.5 - 84.8	88.9	78.2 - 99.6
	Male	308.9	251.4 - 366.5	122.9	109.1 - 136.7	142.4	128.6 - 156.1
	Total	259.8	223.3 - 296.3	98.1	89.4 - 106.8	115.1	106.4 - 123.8

Table 2.1.2: All cardiovascular disease mortality, all ages, age-standardised rates per 100.000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	105.9	-19.6 - 231.5	38.6	3.7 - 73.4	52.4	14.7 - 90.1	
	Male	151.6	-13.9 - 317.2	60.1	13.9 - 106.3	79.4	27.9 - 130.8	
	Total	127.2	25.1 - 229.2	49.2	20.4 - 77.9	65.6	34.0 - 97.2	
New Zealand	Female	91.0	62.8 - 119.2	35.5	31.1 - 39.9	39.9	35.3 - 44.5	
	Male	154.4	113.5 - 195.3	61.8	55.2 - 68.5	69.5	62.5 - 76.4	
	Total	120.9	96.7 - 145.1	48.0	44.1 - 51.9	54.0	49.9 - 58.1	

Table 2.1.3: Ischaemic heart disease mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	114.5	27.5 - 201.5	41.7	18.5 - 64.9	55.1	30.6 - 79.7
	Male	195.1	69.0 - 321.2	86.3	50.2 - 122.4	108.0	69.7 - 146.2
	Total	152.1	77.3 - 226.9	63.2	42.0 - 84.4	80.5	58.1 - 102.8
New Zealand	Female	100.9	81.1 - 120.8	35.4	32.8 - 38.1	40.3	37.4 - 43.1
	Male	215.7	183.2 - 248.1	83.4	78.2 - 88.5	93.7	88.4 - 99.1
	Total	154.3	136.0 - 172.6	58.0	55.2 - 60.8	65.5	62.5 - 68.4

Table 2.1.4: Stroke mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	36.3	-11.7 - 84.3	19.8	8.1 - 31.6	23.7	10.2 - 37.2	
	Male	30.7	-17.1 - 78.6	18.2	2.6 - 33.7	20.3	5.7 - 35.0	
	Total	33.7	-0.2 - 67.6	19.7	10.0 - 29.4	22.7	12.7 - 32.6	
New Zealand	Female	42.1	29.2 - 54.9	23.6	21.3 - 25.9	25.3	22.9 - 27.6	
	Male	36.6	23.1 - 50.1	24.6	22.0 - 27.2	25.9	23.3 - 28.5	
	Total	40.1	30.7 - 49.4	24.3	22.6 - 26.0	25.8	24.0 - 27.5	

Table 2.1.5: All cancer mortality, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	146.2	-7.3 - 299.7	52.7	4.6 - 100.9	74.1	21.8 - 126.4
	Male	137.5	-18.3 - 293.2	70.9	17.8 - 124.1	83.7	31.3 - 136.0
	Total	141.1	32.3 - 250.0	61.3	25.4 - 97.1	78.3	41.3 - 115.3
New Zealand	Female	110.5	78.4 - 142.6	55.1	47.9 - 62.3	59.9	52.8 - 67.0
	Male	113.3	78.5 - 148.0	67.9	60.2 - 75.5	71.6	64.1 - 79.1
	Total	111.3	87.9 - 134.7	60.7	55.4 - 65.9	65.0	59.8 - 70.1

Table 2.1.6: Lung cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	84.5	7.9 - 161.0	21.1	1.9 - 40.4	32.6	11.4 - 53.7	
	Male	80.6	1.9 - 159.3	22.6	5.8 - 39.4	32.7	13.0 - 52.4	
	Total	82.9	27.8 - 137.9	21.8	9.0 - 34.6	32.6	18.1 - 47.2	
New Zealand	Female	83.7	65.1 - 102.4	18.9	16.3 - 21.4	24.0	21.2 - 26.8	
	Male	75.5	56.6 - 94.4	27.0	24.0 - 30.0	30.6	27.5 - 33.7	
	Total	79.7	66.5 - 93.0	22.6	20.6 - 24.5	26.9	24.9 - 29.0	

Table 2.1.7: Female breast cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	73.6	-2.1 - 149.3	19.8	-2.1 - 41.8	34.3	7.8 - 60.8
New Zealand	Female	42.9	29.4 - 56.4	24.1	20.8 - 27.5	25.9	22.6 - 29.1

Table 2.1.8: Prostate cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Male	31.0	-17.4 - 79.3	14.4	2.0 - 26.8	16.5	4.0 - 28.9
New Zealand	Male	24.6	13.5 - 35.8	15.5	13.6 - 17.5	16.0	14.1 - 18.0

Table 2.1.9: Cervical cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	4.0	-5.9 - 13.8	
New Zealand	Female	6.6	1.2 - 12.0	2.2	1.1 - 3.3	2.6	1.5 - 3.7	

Table 2.1.10: Colorectal cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	17.3	-16.2 - 50.9	19.1	0.2 - 38.0	18.8	2.6 - 35.0
	Male	37.3	-18.0 - 92.7	25.6	3.6 - 47.7	27.2	7.5 - 47.0
	Total	26.0	-4.6 - 56.7	22.2	7.8 - 36.6	22.8	10.1 - 35.4
New Zealand	Female	14.6	6.9 - 22.3	17.2	14.7 - 19.6	17.0	14.7 - 19.3
	Male	21.9	11.7 - 32.2	22.3	19.5 - 25.1	22.3	19.6 - 25.0
	Total	18.1	11.8 - 24.4	19.6	17.7 - 21.4	19.5	17.7 - 21.2

Table 2.1.11: Melanoma mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	9.4	-4.9 - 23.8	7.5	-3.2 - 18.2	
	Male	0.0	0.0 - 0.0	8.2	-2.2 - 18.6	7.7	-1.7 - 17.2	
	Total	0.0	0.0 - 0.0	8.8	-0.2 - 17.7	7.6	0.4 - 14.7	
New Zealand	Female	2.0	-0.8 - 4.8	4.7	3.3 - 6.0	4.4	3.1 - 5.7	
	Male	2.4	-1.0 - 5.7	10.2	8.1 - 12.3	9.7	7.7 - 11.6	
	Total	2.2	0.0 - 4.4	7.3	6.0 - 8.5	6.8	5.7 - 8.0	

Table 2.1.12: Unintentional injury mortality, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	28.0	-48.1 - 104.0	5.6	-16.1 - 27.4	15.2	-20.7 - 51.0	
	Male	80.3	-53.4 - 214.0	35.0	-38.2 - 108.1	50.3	-15.5 - 116.1	
	Total	52.5	-21.9 - 127.0	20.5	-18.0 - 59.0	32.5	-4.6 - 69.6	
New Zealand	Female	21.2	6.0 - 36.3	7.8	3.8 - 11.8	10.4	6.0 - 14.7	
	Male	49.1	25.2 - 73.0	21.6	14.8 - 28.5	26.1	19.1 - 33.0	
	Total	34.5	20.7 - 48.4	14.6	10.7 - 18.6	18.1	14.0 - 22.2	

Table 2.1.13: Suicide, 5+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	4.1	-11.7 - 19.8	6.4	-13.0 - 25.9	
	Male	32.2	-45.8 - 110.1	19.2	-22.4 - 60.8	24.1	-14.3 - 62.5	
	Total	20.0	-22.7 - 62.7	11.5	-10.6 - 33.7	15.0	-6.2 - 36.3	
New Zealand	Female	10.0	0.2 - 19.8	5.0	2.1 - 7.9	6.0	3.0 - 9.0	
	Male	25.9	9.5 - 42.3	16.5	11.2 - 21.8	18.0	12.9 - 23.2	
	Total	17.5	8.2 - 26.8	10.7	7.7 - 13.7	11.9	8.9 - 14.8	

Table 2.1.14: Drowning, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori			non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Male	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Total	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
New Zealand	Female	0.0	0.0 - 0.0	0.7	-0.4 - 1.7	0.7	-0.2 - 1.5
	Male	2.1	-1.0 - 5.3	0.9	-0.3 - 2.1	1.2	0.0 - 2.4
	Total	1.4	-0.4 - 3.2	0.8	0.0 - 1.6	1.0	0.2 - 1.7

Table 2.1.15: Unintentional injury mortality, 15-24 years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0	
	Male	105.3	41.8 - 168.8	71.5	26.0 - 117.0	86.0	48.4 - 123.5	
	Total	62.3	28.4 - 96.2	41.9	16.7 - 67.0	51.1	30.5 - 71.6	
New Zealand	Female	28.5	21.3 - 35.7	10.3	8.1 - 12.5	14.0	11.8 - 16.3	
	Male	64.5	53.3 - 75.6	33.4	29.6 - 37.2	39.0	35.3 - 42.7	
	Total	46.0	39.5 - 52.6	22.0	19.8 - 24.2	26.6	24.4 - 28.8	

Table 2.1.16: Suicide mortality, 15-24 years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0	
	Male	0.0	0.0 - 0.0	0.0	0.0 - 0.0	29.4	7.8 - 51.1	
	Total	27.6	5.3 - 49.9	0.0	0.0 - 0.0	17.7	5.6 - 29.8	
New Zealand	Female	19.8	13.8 - 25.8	6.6	4.8 - 8.3	9.2	7.3 - 11.0	
	Male	40.1	31.4 - 48.9	23.6	20.4 - 26.8	26.7	23.6 - 29.8	
	Total	29.7	24.5 - 35.0	15.2	13.4 - 17.0	18.0	16.2 - 19.8	

Table 2.1.17: Ischaemic heart disease mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	888.7	826.0 - 951.4	435.3	420.5 - 450.1	498.1	482.7 - 513.4
	Male	1257.6	1174.8 - 1340.5	752.5	729.5 - 775.5	828.0	805.1 - 850.9
	Total	1064.6	1013.4 - 1115.8	584.8	571.4 - 598.2	653.9	640.4 - 667.4
New Zealand	Female	893.9	878.3 - 909.5	394.7	392.6 - 396.7	422.3	420.2 - 424.4
	Male	1416.1	1393.1 - 1439.1	728.8	725.4 - 732.2	765.7	762.3 - 769.1
	Total	1123.8	1110.5 - 1137.0	545.4	543.5 - 547.3	577.2	575.2 - 579.1

Table 2.1.18: Stroke mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	304.8	268.7 - 340.8	233.3	223.5 - 243.1	250.1	240.2 - 260.0
	Male	270.4	231.9 - 308.9	203.1	192.1 - 214.1	211.4	200.7 - 222.1
	Total	286.8	260.8 - 312.7	228.0	220.6 - 235.4	239.5	232.2 - 246.8
New Zealand	Female	339.9	330.4 - 349.4	245.7	244.2 - 247.3	251.4	249.9 - 253.0
	Male	255.5	245.6 - 265.3	257.9	256.0 - 259.8	259.1	257.2 - 261.0
	Total	307.1	300.2 - 314.0	254.5	253.3 - 255.8	258.1	256.9 - 259.4

Table 2.1.19: Lung cancer mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori	1	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	448.4	402.8 - 493.9	100.1	92.2 - 108.1	150.1	140.5 - 159.7
	Male	631.3	572.5 - 690.2	243.1	229.1 - 257.0	295.4	281.0 - 309.9
	Total	530.9	494.5 - 567.3	169.9	161.9 - 177.8	220.8	212.2 - 229.4
New Zealand	Female	494.7	482.8 - 506.7	131.6	130.0 - 133.1	153.4	151.8 - 155.0
	Male	501.9	488.6 - 515.1	228.8	226.8 - 230.9	245.3	243.2 - 247.4
	Total	497.3	488.5 - 506.2	175.1	173.8 - 176.4	194.3	193.0 - 195.6

Table 2.1.20: Female breast cancer mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	211.6	178.6 - 244.5	76.7	69.1 - 84.3	102.2	93.7 - 110.8
New Zealand	Female	174.2	167.1 - 181.3	95.3	94.0 - 96.6	99.8	98.5 - 101.1

Table 2.1.21: Prostate cancer mortality, all ages, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Male	14.0	-34.4 - 62.4	6.5	-5.9 - 18.9	7.5	-5.0 - 19.9
New Zealand	Male	11.1	0.0 - 22.3	7.0	5.1 - 9.0	7.3	5.3 - 9.2

Table 2.1.22: Cervical cancer mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
New Zealand	Female	14.2	12.2 - 16.3	8.1	7.7 - 8.4	8.5	8.1 - 8.8

Table 2.1.23: Colorectal cancer mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	123.8	114.0 - 133.6	121.2	112.4 - 130.1	
	Male	229.0	193.3 - 264.7	183.5	171.2 - 195.8	187.0	175.5 - 198.4	
	Total	156.3	136.9 - 175.7	152.2	144.4 - 160.0	151.7	144.5 - 158.8	
New Zealand	Female	97.5	92.3 - 102.7	133.3	131.8 - 134.8	131.3	129.8 - 132.7	
	Male	155.9	148.5 - 163.3	179.8	177.9 - 181.6	178.9	177.1 - 180.7	
	Total	125.0	120.6 - 129.4	154.4	153.3 - 155.6	152.9	151.8 - 154.1	

Table 2.1.24: Melanoma mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	43.5	37.9 - 49.2	40.2	35.4 - 45.1
	Male	0.0	0.0 - 0.0	76.4	68.4 - 84.4	66.6	59.8 - 73.5
	Total	0.0	0.0 - 0.0	58.7	53.8 - 63.5	52.4	48.3 - 56.5
New Zealand	Female	15.5	13.4 - 17.6	25.8	25.1 - 26.4	25.3	24.7 - 25.9
	Male	14.0	11.8 - 16.2	66.3	65.2 - 67.4	64.1	63.0 - 65.1
	Total	15.4	13.9 - 17.0	43.8	43.2 - 44.4	42.4	41.9 - 43.0

Table 2.1.25: COPD mortality, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2006-08

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	390.9	349.1 - 432.8	147.0	137.0 - 156.9	181.6	171.1 - 192.1
	Male	578.7	522.7 - 634.6	292.4	278.4 - 306.3	330.3	316.2 - 344.5
	Total	477.6	443.5 - 511.7	210.3	202.1 - 218.6	246.9	238.4 - 255.5
New Zealand	Female	430.9	419.9 - 441.9	146.6	145.2 - 148.1	162.8	161.3 - 164.3
	Male	480.0	466.6 - 493.4	219.1	217.3 - 220.9	231.7	229.9 - 233.6
	Total	444.2	435.9 - 452.5	175.0	173.9 - 176.1	189.4	188.2 - 190.5

Table 2.2.1: Leading causes of avoidable mortality, males and females, 0-74 years, 2006-08

	Lakes DHB		New Zealand			
	Condition	ASR	Condition	ASR		
Female	Breast cancer (female only)	14.8	Breast cancer (female only)	10.7		
	Ischaemic heart disease	13.7	Lung cancer	9.3		
	Lung cancer	12.5	Ischaemic heart disease	8.1		
	COPD	8.6	Colorectal cancer	5.9		
	Motor vehicle accidents	7.5	Diabetes	5.8		
Male	Ischaemic heart disease	33.3	Ischaemic heart disease	27.3		
	Motor vehicle accidents	27.3	Suicide and self-inflicted injuries	15.7		
	Suicide and self-inflicted injuries	21.1	Motor vehicle accidents	12.3		
	Diabetes	12.2	Lung cancer	10.8		
	Lung cancer	10.0	Diabetes	8.3		
Total	Ischaemic heart disease	23.3	Ischaemic heart disease	17.4		
	Motor vehicle accidents	17.2	Suicide and self-inflicted injuries	10.4		
	Suicide and self-inflicted injuries	13.1	Lung cancer	10.0		
	Lung cancer	11.3	Motor vehicle accidents	8.6		
	Diabetes	9.5	Diabetes	7.0		

Table 2.2.2: Leading causes of avoidable mortality, by ethnicity, 0-74 years, 2006-08

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	52.5	Ischaemic heart disease	51.4
	Lung cancer	29.6	Lung cancer	31.6
	Diabetes	27.5	Diabetes	26.8
	Motor vehicle accidents	27.4	Motor vehicle accidents	17.8
	COPD	18.4	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	15.9	Ischaemic heart disease	14.3
	Motor vehicle accidents	10.6	Suicide and self-inflicted injuries	9.3
	Suicide and self-inflicted injuries	10.0	Lung cancer	8.1
	Colorectal cancer	7.9	Motor vehicle accidents	6.7
	Lung cancer	6.9	Colorectal cancer	6.7

Table 2.2.3: Leading causes of mortality, males and females, 65+ years, 2006-08

	Lakes DHB		New Zealand			
	Condition	ASR	Condition	ASR		
Female	Ischaemic heart disease	478.4	Ischaemic heart disease	418.5		
	Stroke	212.3	Stroke	206.0		
	Lung cancer	150.1	CORD	172.8		
	Colorectal cancer	121.2	Lung cancer	153.4		
	Diabetes	102.3	Colorectal cancer	131.3		
Male	Ischaemic heart disease	828.0	Ischaemic heart disease	757.4		
	CORD	340.3	Lung cancer	245.3		
	Lung cancer	295.4	CORD	238.4		
	Colorectal cancer	187.0	Stroke	207.5		
	Stroke	175.4	Colorectal cancer	178.9		
Total	Ischaemic heart disease	643.6	Ischaemic heart disease	571.4		
	CORD	251.2	Stroke	210.0		
	Lung cancer	220.8	CORD	197.9		
	Stroke	200.6	Lung cancer	194.3		
	Colorectal cancer	151.7	Colorectal cancer	152.9		

Table 2.2.4: Leading causes of mortality, by ethnicity, 65+ years, 2006-08

	Lakes DHB		New Zealand			
	Condition	ASR	Condition	ASR		
Māori	Ischaemic heart disease	1020.6	Ischaemic heart disease	1109.6		
	Lung cancer	530.9	Lung cancer	497.3		
	CORD	477.6	CORD	465.0		
	Diabetes	451.7	Diabetes	389.4		
	Stroke	246.6	Stroke	247.1		
non-Māori	Ischaemic heart disease	581.2	Ischaemic heart disease	540.1		
	CORD	215.2	Stroke	207.2		
	Stroke	189.8	CORD	182.8		
	Lung cancer	169.9	Lung cancer	175.1		
	Colorectal cancer	152.2	Colorectal cancer	154.4		

## Hospitalisation Tables (2007-2009)

NOTE A: Counts less than 5 have ASR's presented as "0.0" or "#N/A"

**NOTE B**: There are two comparisons being made in the following tables 1. Māori Age-Standardised Rate against non-Māori Age-Standardised Rate within the District Health Board:

Māori ASR statistically significantly higher than non-Māori ASR within DHB Māori ASR statistically significantly lower than non-Māori ASR within DHB

2. District Health Board Age-Standardised Rate against New Zealand Age-Standardised Rate:

DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

Key:

DHB = District Health Board ASR = Age-Standardised Rate

Table 3.1.1: Avoidable hospitalisations, 0-74 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	5969.3	4876.0 - 7062.7	3545.3	2787.5 - 4303.0	4356.2	3743.3 - 4969.2
	Male	5951.8	4833.6 - 7070.0	4103.2	3295.1 - 4911.3	4743.2	4103.9 - 5382.6
	Total	5984.4	5200.4 - 6768.4	3824.7	3270.7 - 4378.6	4555.7	4112.3 - 4999.2
New Zealand	Female	4904.4	4671.6 - 5137.1	3156.7	3061.1 - 3252.3	3408.8	3321.6 - 3496.1
	Male	4974.2	4736.0 - 5212.5	3535.8	3435.8 - 3635.9	3746.4	3655.7 - 3837.2
	Total	4946.3	4779.6 - 5112.9	3347.1	3277.8 - 3416.3	3578.9	3516.0 - 3641.9

Table 3.1.2: All cardiovascular disease hospitalisations, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	936.9	541.9 - 1332.0	452.2	282.1 - 622.3	575.6	414.3 - 737.0	
	Male	1138.8	672.0 - 1605.6	759.3	545.6 - 973.1	855.1	658.9 - 1051.4	
	Total	1027.6	725.7 - 1329.4	601.7	465.8 - 737.6	709.7	583.6 - 835.8	
New Zealand	Female	725.3	642.2 - 808.5	376.4	354.5 - 398.2	409.5	388.5 - 430.5	
	Male	968.2	865.8 - 1070.6	638.8	610.7 - 666.9	673.8	646.7 - 700.8	
	Total	842.1	776.8 - 907.4	503.2	485.5 - 520.9	536.9	519.9 - 553.9	

Table 3.1.3: Ischaemic heart disease hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori			non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	450.1	271.7 - 628.5	291.1	219.7 - 362.5	326.4	258.6 - 394.2	
	Male	704.1	461.2 - 947.0	648.4	531.6 - 765.3	662.1	557.7 - 766.6	
	Total	566.7	419.2 - 714.1	464.9	397.1 - 532.8	487.7	426.3 - 549.1	
New Zealand	Female	395.2	354.7 - 435.7	199.3	190.9 - 207.6	216.9	208.4 - 225.3	
	Male	601.9	548.3 - 655.5	509.5	494.8 - 524.1	521.1	506.9 - 535.3	
	Total	494.0	460.9 - 527.2	349.5	341.1 - 357.8	363.8	355.6 - 372.0	

Table 3.1.4: Stroke hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	270.0	131.3 - 408.6	109.0	58.2 - 159.7	142.8	93.8 - 191.7	
	Male	175.9	53.4 - 298.4	134.0	83.4 - 184.5	144.1	96.1 - 192.2	
	Total	225.9	132.6 - 319.2	120.7	84.9 - 156.6	142.8	108.6 - 177.1	
New Zealand	Female	215.4	185.6 - 245.2	92.6	86.7 - 98.4	103.2	97.3 - 109.2	
	Male	171.3	142.5 - 200.0	128.3	121.3 - 135.4	132.8	125.9 - 139.7	
	Total	196.1	175.2 - 217.0	109.7	105.1 - 114.2	117.3	112.8 - 121.8	

Table 3.1.5: All cancer hospitalisations, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	446.5	178.4 - 714.7	320.8	167.0 - 474.6	339.4	218.4 - 460.3	
	Male	463.6	167.2 - 760.1	372.7	214.1 - 531.4	395.5	262.3 - 528.8	
	Total	455.0	255.7 - 654.4	345.3	234.4 - 456.1	365.9	275.8 - 456.0	
New Zealand	Female	456.5	389.7 - 523.3	348.8	326.7 - 370.9	359.1	338.6 - 379.5	
	Male	428.9	360.8 - 497.0	391.1	368.7 - 413.5	396.9	375.9 - 417.8	
	Total	442.7	395.1 - 490.3	367.4	351.7 - 383.1	375.5	360.9 - 390.1	

Table 3.1.6: Lung cancer hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	144.3	43.5 - 245.0	31.3	7.9 - 54.8	54.1	26.2 - 82.0	
	Male	119.9	22.3 - 217.5	40.4	15.7 - 65.2	57.6	29.0 - 86.2	
	Total	132.9	62.4 - 203.3	35.8	18.7 - 53.0	55.9	35.9 - 76.0	
New Zealand	Female	136.6	112.7 - 160.5	38.6	34.8 - 42.4	46.7	42.7 - 50.7	
	Male	121.7	97.7 - 145.8	46.7	42.7 - 50.7	52.5	48.4 - 56.6	
	Total	128.9	112.0 - 145.7	42.2	39.4 - 44.9	49.1	46.3 - 52.0	

Table 3.1.7: Female breast cancer hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	144.3	39.7 - 249.0	83.2	38.0 - 128.4	100.3	57.0 - 143.7
New Zealand	Female	168.3	141.3 - 195.3	103.1	96.0 - 110.2	109.6	102.7 - 116.6

Table 3.1.8: Prostate cancer hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Male	70.4	-3.3 - 144.1	44.3	19.6 - 69.0	48.9	24.9 - 72.9
New Zealand	Male	76.5	57.6 - 95.4	60.9	56.4 - 65.3	61.9	57.6 - 66.2

Table 3.1.9: Cervical cancer hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	39.0	-18.9 - 96.9	34.9	0.6 - 69.3	37.4	7.3 - 67.5
New Zealand	Female	44.6	30.2 - 59.0	17.6	14.2 - 21.1	20.9	17.4 - 24.3

Table 3.1.10: Colorectal cancer hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	56.1	-7.7 - 119.9	43.2	14.6 - 71.9	48.0	21.0 - 75.1
	Male	60.7	-10.5 - 131.9	69.2	35.8 - 102.6	67.8	38.3 - 97.4
	Total	57.1	10.4 - 103.9	55.7	33.8 - 77.7	57.4	37.4 - 77.4
New Zealand	Female	40.1	27.1 - 53.0	52.5	48.0 - 56.9	51.8	47.6 - 56.0
	Male	50.7	35.2 - 66.2	63.3	58.4 - 68.2	62.7	58.0 - 67.3
	Total	45.3	35.2 - 55.3	57.5	54.2 - 60.8	56.9	53.8 - 60.0

Table 3.1.11: Melanoma hospitalisations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	87.3	46.1 - 128.4	72.7	41.3 - 104.2
	Male	18.1	-19.8 - 56.0	150.8	98.7 - 202.9	128.6	86.6 - 170.5
	Total	15.9	-9.0 - 40.7	117.0	84.0 - 149.9	98.5	72.6 - 124.4
New Zealand	Female	21.2	11.6 - 30.8	107.6	100.9 - 114.3	100.4	94.3 - 106.5
	Male	22.4	12.0 - 32.8	167.6	159.4 - 175.8	156.9	149.4 - 164.4
	Total	21.5	14.6 - 28.5	135.4	130.1 - 140.6	126.5	121.7 - 131.2

Table 3.1.12: Unintentional injury hospitalisation, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	1470.3	920.1 - 2020.6	1191.8	763.3 - 1620.2	1306.4	972.4 - 1640.5
	Male	2860.9	2068.0 - 3653.7	2246.5	1665.0 - 2828.0	2495.6	2029.9 - 2961.3
	Total	2143.3	1666.7 - 2619.9	1724.3	1361.6 - 2086.9	1897.5	1611.4 - 2183.6
New Zealand	Female	1344.0	1220.6 - 1467.5	1133.4	1077.2 - 1189.6	1174.8	1124.1 - 1225.5
	Male	2485.9	2315.3 - 2656.6	2015.8	1942.3 - 2089.3	2095.7	2028.9 - 2162.6
	Total	1900.9	1796.5 - 2005.3	1575.3	1529.0 - 1621.6	1634.3	1592.4 - 1676.3

Table 3.1.13: Self-harm hospitalisation, 5+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	167.2	-4.9 - 339.3	148.0	10.7 - 285.4	154.5	48.9 - 260.0
	Male	93.5	-43.9 - 231.0	99.3	-5.5 - 204.1	95.8	14.5 - 177.2
	Total	130.8	20.5 - 241.2	122.4	37.1 - 207.7	124.4	58.3 - 190.6
New Zealand	Female	153.2	115.2 - 191.3	146.7	129.7 - 163.6	147.8	132.4 - 163.3
	Male	103.2	70.5 - 136.0	78.7	66.6 - 90.9	82.7	71.3 - 94.2
	Total	128.6	103.5 - 153.8	112.6	102.2 - 123.0	115.4	105.8 - 124.9

Table 3.1.14: Unintentional injury hospitalisation, 15-24 years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	1473.6	1245.1 - 1702.0	1306.5	1103.2 - 1509.8	1385.6	1233.4 - 1537.7
	Male	4209.4	3812.8 - 4606.0	3538.8	3220.3 - 3857.3	3820.7	3572.3 - 4069.1
	Total	2808.0	2582.3 - 3033.7	2473.0	2280.3 - 2665.7	2622.4	2475.7 - 2769.1
New Zealand	Female	1222.0	1174.8 - 1269.3	1013.0	991.5 - 1034.4	1053.4	1033.9 - 1073.0
	Male	3471.2	3389.9 - 3552.4	2673.9	2639.7 - 2708.0	2819.5	2788.0 - 2851.1
	Total	2326.1	2279.6 - 2372.7	1856.8	1836.5 - 1877.1	1945.2	1926.5 - 1963.8

Table 3.1.15: Ischaemic heart disease hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori	1	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	2156.3	2054.9 - 2257.7	1950.0	1909.5 - 1990.5	1979.2	1941.7 - 2016.6
	Male	2711.1	2588.0 - 2834.1	2905.3	2855.7 - 2954.9	2895.0	2849.0 - 2941.1
	Total	2393.2	2315.1 - 2471.3	2389.6	2357.9 - 2421.2	2400.2	2370.8 - 2429.5
New Zealand	Female	2028.0	2003.9 - 2052.1	1374.4	1369.6 - 1379.2	1414.2	1409.5 - 1419.0
	Male	2276.0	2247.8 - 2304.3	2600.5	2593.3 - 2607.7	2586.3	2579.3 - 2593.2
	Total	2152.3	2133.9 - 2170.7	1946.8	1942.6 - 1951.0	1960.3	1956.2 - 1964.4

Table 3.1.16: Stroke hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	1330.7	1252.2 - 1409.1	600.0	579.7 - 620.4	717.4	696.1 - 738.6
	Male	1041.1	965.4 - 1116.8	898.1	871.5 - 924.7	917.2	892.1 - 942.2
	Total	1193.4	1138.9 - 1247.8	739.0	722.4 - 755.5	807.4	791.2 - 823.6
New Zealand	Female	1210.9	1192.6 - 1229.2	649.9	646.8 - 652.9	680.0	676.9 - 683.0
	Male	1008.7	989.8 - 1027.6	913.7	909.7 - 917.7	923.4	919.5 - 927.3
	Total	1137.9	1124.6 - 1151.2	772.5	770.0 - 774.9	793.1	790.7 - 795.6

Table 3.1.17: Lung cancer hospitalisations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	766.2	704.7 - 827.6	179.1	167.2 - 191.1	271.6	257.6 - 285.6
	Male	509.5	456.0 - 563.1	270.5	255.0 - 285.9	307.8	292.3 - 323.2
	Total	640.2	599.4 - 681.1	223.0	213.3 - 232.7	288.9	278.5 - 299.3
New Zealand	Female	673.0	658.9 - 687.0	235.7	233.6 - 237.8	263.0	260.8 - 265.1
	Male	727.2	711.2 - 743.2	364.2	361.5 - 366.8	384.6	381.9 - 387.3
	Total	691.3	680.9 - 701.7	293.2	291.5 - 294.9	317.0	315.3 - 318.7

Table 3.1.18: Female breast cancer hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	328.1	287.6 - 368.6	247.3	232.0 - 262.7	260.2	245.9 - 274.6	
New Zealand	Female	354.3	344.1 - 364.5	300.5	298.0 - 302.9	303.8	301.5 - 306.2	

Table 3.1.19: Prostate cancer hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

	-	Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Male	15.1	-34.2 - 64.4	14.8	-4.7 - 34.3	14.7	-3.2 - 32.6
New Zealand	Male	21.8	6.9 - 36.8	17.3	14.2 - 20.5	17.6	14.5 - 20.7

Table 3.1.20: Cervical cancer hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	97.7	88.6 - 106.8	83.3	75.5 - 91.1
New Zealand	Female	28.7	25.8 - 31.5	20.8	20.2 - 21.4	21.2	20.6 - 21.8

Table 3.1.21: Colorectal cancer hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	309.8	294.0 - 325.6	286.0	272.1 - 299.9
	Male	321.2	278.9 - 363.5	690.8	665.7 - 715.8	636.4	614.3 - 658.5
	Total	207.6	184.6 - 230.6	493.4	478.7 - 508.1	452.7	439.8 - 465.6
New Zealand	Female	190.3	182.9 - 197.6	370.6	368.1 - 373.2	360.3	357.9 - 362.7
	Male	315.7	305.3 - 326.1	471.8	468.8 - 474.8	465.2	462.3 - 468.1
	Total	251.0	244.8 - 257.3	416.6	414.7 - 418.6	408.1	406.3 - 410.0

Table 3.1.22: Melanoma hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total		
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	589.4	568.5 - 610.3	518.1	500.2 - 536.1	
	Male	0.0	0.0 - 0.0	1124.7	1095.1 - 1154.3	991.5	965.8 - 1017.2	
	Total	0.0	0.0 - 0.0	832.4	814.6 - 850.2	731.0	715.6 - 746.3	
New Zealand	Female	100.0	94.6 - 105.3	619.6	616.4 - 622.7	592.8	589.8 - 595.8	
	Male	139.6	132.4 - 146.7	1161.9	1157.3 - 1166.4	1111.3	1107.0 - 1115.7	
	Total	115.1	110.9 - 119.4	862.9	860.1 - 865.6	824.6	822.1 - 827.2	

Table 3.1.23: COPD hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	3386.4	3259.3 - 3513.4	896.6	869.3 - 923.9	1265.2	1234.9 - 1295.5
	Male	3188.2	3056.3 - 3320.2	1099.4	1070.9 - 1127.9	1361.9	1331.9 - 1391.9
	Total	3253.0	3162.8 - 3343.3	976.6	957.2 - 996.0	1291.9	1270.8 - 1312.9
New Zealand	Female	2867.8	2839.2 - 2896.5	775.7	772.0 - 779.3	895.6	891.7 - 899.4
	Male	2751.7	2720.6 - 2782.7	1062.7	1058.3 - 1067.1	1151.7	1147.3 - 1156.2
	Total	2801.2	2780.3 - 2822.1	897.7	894.8 - 900.5	1002.7	999.7 - 1005.6

Table 3.1.24: Diabetes hospitalisations, 15+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	304.5	130.4 - 478.6	137.9	40.2 - 235.6	157.7	86.1 - 229.2	
	Male	348.5	146.6 - 550.5	139.7	53.9 - 225.6	174.3	100.8 - 247.8	
	Total	325.1	193.0 - 457.3	138.5	74.1 - 202.9	165.7	114.6 - 216.8	
New Zealand	Female	283.9	242.9 - 324.9	99.7	90.4 - 109.0	115.1	106.0 - 124.1	
	Male	336.2	288.8 - 383.7	120.6	110.6 - 130.5	137.8	128.0 - 147.7	
	Total	308.1	277.1 - 339.1	109.5	102.7 - 116.3	125.8	119.1 - 132.4	

Table 3.1.25: Diabetes complications - renal failure hospitalisations, 15+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

		Māori			non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	58.2	-17.7 - 134.0	6.4	-5.4 - 18.2	15.4	-1.3 - 32.1	
	Male	89.3	-12.3 - 191.0	4.0	-4.3 - 12.4	21.3	-2.0 - 44.6	
	Total	72.9	10.4 - 135.4	5.2	-2.1 - 12.5	18.1	4.0 - 32.2	
New Zealand	Female	43.7	27.8 - 59.6	7.4	5.2 - 9.6	10.3	7.9 - 12.7	
	Male	73.0	51.1 - 95.0	9.0	6.7 - 11.3	14.3	11.4 - 17.1	
	Total	57.4	44.1 - 70.7	8.1	6.5 - 9.7	12.2	10.3 - 14.0	

Table 3.1.26: Asthma hospitalisations, 15+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	328.2	132.0 - 524.4	87.5	7.4 - 167.7	166.9	81.2 - 252.7
	Male	97.1	-18.3 - 212.6	46.8	-8.6 - 102.3	64.8	10.6 - 119.1
	Total	219.4	102.2 - 336.5	67.6	18.7 - 116.5	117.3	66.0 - 168.5
New Zealand	Female	257.0	216.0 - 298.0	96.1	85.2 - 106.9	119.1	108.1 - 130.1
	Male	130.2	99.5 - 161.0	52.3	44.1 - 60.5	62.9	54.7 - 71.2
	Total	196.4	170.4 - 222.4	74.6	67.8 - 81.4	91.6	84.7 - 98.5

Table 3.1.27: COPD hospitalisation, 45+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	1532.6	1335.4 - 1729.9	304.3	263.9 - 344.8	536.4	485.9 - 587.0
	Male	1044.6	870.6 - 1218.6	323.3	284.4 - 362.2	430.3	388.0 - 472.7
	Total	1299.2	1166.8 - 1431.5	309.8	281.9 - 337.7	480.7	447.7 - 513.6
New Zealand	Female	1174.3	1132.4 - 1216.2	271.9	266.3 - 277.5	340.6	334.4 - 346.7
	Male	934.7	894.6 - 974.8	314.2	308.3 - 320.1	356.1	350.0 - 362.3
	Total	1057.1	1028.2 - 1086.0	288.8	284.7 - 292.8	344.4	340.0 - 348.7

Table 3.1.28: Asthma hospitalisation, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		•	Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	727.4	474.9 - 980.0	342.7	170.6 - 514.8	533.0	380.8 - 685.3
	Male	1043.0	749.3 - 1336.7	488.8	287.6 - 690.0	767.2	588.9 - 945.4
	Total	890.2	695.5 - 1084.9	417.3	284.5 - 550.1	653.1	535.4 - 770.8
New Zealand	Female	505.8	456.8 - 554.9	302.4	280.6 - 324.3	353.4	332.9 - 373.8
	Male	727.8	670.4 - 785.1	454.9	428.6 - 481.1	523.7	499.3 - 548.1
	Total	619.5	581.7 - 657.4	380.3	363.2 - 397.4	440.4	424.5 - 456.4

Table 3.1.29: Poisoning hospitalisation, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	158.8	41.1 - 276.6	104.0	9.3 - 198.6	130.7	55.6 - 205.8	
	Male	105.3	12.3 - 198.4	149.3	36.4 - 262.2	126.4	53.8 - 199.0	
	Total	131.4	56.8 - 205.9	126.8	53.0 - 200.6	128.5	76.3 - 180.7	
New Zealand	Female	89.3	68.7 - 109.8	83.5	72.0 - 95.1	84.8	74.8 - 94.9	
	Male	98.1	77.1 - 119.2	99.7	87.4 - 112.1	99.3	88.7 - 110.0	
	Total	93.8	79.0 - 108.5	91.8	83.3 - 100.3	92.2	84.9 - 99.6	

Table 3.1.30: Burns hospitalisation, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0	
	Male	0.0	0.0 - 0.0	0.0	0.0 - 0.0	16.4	-9.4 - 42.3	
	Total	14.2	-10.3 - 38.7	0.0	0.0 - 0.0	9.8	-4.5 - 24.2	
New Zealand	Female	8.0	1.8 - 14.2	5.5	2.6 - 8.4	6.1	3.4 - 8.8	
	Male	21.6	11.8 - 31.4	8.1	4.7 - 11.6	11.4	7.9 - 14.9	
	Total	15.0	9.1 - 20.9	6.9	4.6 - 9.1	8.8	6.6 - 11.1	

Table 3.1.31: Falls hospitalisation, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	632.7	398.2 - 867.1	644.0	413.9 - 874.1	640.7	476.0 - 805.4	
	Male	999.4	713.3 - 1285.4	645.3	421.4 - 869.3	815.9	635.8 - 996.1	
	Total	820.1	634.3 - 1005.9	645.5	484.8 - 806.2	730.7	608.3 - 853.0	
New Zealand	Female	662.4	606.4 - 718.4	619.9	589.1 - 650.8	630.7	603.6 - 657.7	
	Male	882.6	819.7 - 945.5	869.6	834.2 - 905.0	872.9	842.0 - 903.8	
	Total	775.6	733.3 - 817.8	747.8	724.3 - 771.4	754.9	734.3 - 775.5	

Table 3.1.32: Falls hospitalisation, 65+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

·			Māori	non-Māori		Total	
		ASR	ASR 95% confidence		ASR 95% confidence		95% confidence
Lakes	Female	1710.2	1623.9 - 1796.6	2218.5	2181.4 - 2255.6	2153.0	2119.3 - 2186.7
	Male	1455.2	1365.5 - 1544.8	1785.0	1748.9 - 1821.2	1767.2	1733.5 - 1800.9
	Total	1610.8	1548.1 - 1673.5	2035.2	2009.3 - 2061.0	1996.6	1972.7 - 2020.4
New Zealand	Female	1688.1	1666.7 - 1709.5	2432.8	2427.1 - 2438.6	2402.9	2397.4 - 2408.4
	Male	1417.4	1394.4 - 1440.3	1746.9	1741.7 - 1752.2	1739.8	1734.6 - 1744.9
	Total	1583.8	1568.1 - 1599.5	2134.6	2130.7 - 2138.5	2115.7	2111.9 - 2119.5

Table 3.1.33: Musculoskeletal disease hospitalisation, 65+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	1845.5	1751.0 - 1940.0	2142.7	2100.1 - 2185.3	2105.9	2067.2 - 2144.7	
	Male	3633.8	3492.2 - 3775.5	2452.2	2405.0 - 2499.4	2601.6	2556.7 - 2646.4	
	Total	2651.8	2569.5 - 2734.1	2299.2	2267.4 - 2330.9	2349.0	2319.4 - 2378.5	
New Zealand	Female	2354.3	2328.2 - 2380.5	2318.4	2311.8 - 2324.9	2322.0	2315.7 - 2328.4	
	Male	2746.4	2715.3 - 2777.4	2135.1	2128.5 - 2141.7	2166.6	2160.1 - 2173.1	
	Total	2523.3	2503.4 - 2543.3	2233.7	2229.0 - 2238.3	2250.5	2245.9 - 2255.0	

Table 3.2.1: Leading causes of avoidable hospitalisation, males and females, 0-74 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	685.8	Respiratory infections	510.3
	Gastroenteritis	403.3	Gastroenteritis	371.2
	Dental conditions	347.4	Dental conditions	301.5
	ENT infections	333.0	ENT infections	265.7
	Asthma	305.2	Cellulitis	243.5
Male	Respiratory infections	805.5	Respiratory infections	570.2
	ENT infections	419.3	Gastroenteritis	355.3
	Gastroenteritis	377.4	ENT infections	331.7
	Angina	370.5	Dental conditions	319.0
	Dental conditions	367.2	Angina	300.1
Total	Respiratory infections	747.0	Respiratory infections	541.0
	Gastroenteritis	391.1	Gastroenteritis	363.7
	ENT infections	377.7	Dental conditions	310.3
	Dental conditions	357.2	ENT infections	299.6
	Angina	319.7	Angina	258.9

Table 3.2.2: Leading causes of avoidable hospitalisation, by ethnicity, 0-74 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	1015.6	Respiratory infections	742.2
	Dental conditions	487.7	Dental conditions	441.6
	Asthma	473.3	Asthma	356.4
	ENT infections	406.3	ENT infections	355.9
	Angina	385.5	Angina	329.4
non-Māori	Respiratory infections	573.3	Respiratory infections	500.0
	Gastroenteritis	412.3	Gastroenteritis	379.7
	ENT infections	359.0	ENT infections	283.8
	Angina	299.5	Dental conditions	271.8
	Dental conditions	235.7	Angina	250.3

Table 3.2.3: Leading causes of hospitalisation, males and females, 65+ years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Angina	2004.0	Persons encountering health services for specific procedures and health care	1802.8
	Respiratory infections	1420.8	Angina	1499.8
	CORD	1297.2	Respiratory infections	1132.4
	Other forms of heart disease	1219.4	CORD	968.0
	Ischaemic heart disease	937.9	Other forms of heart disease	955.6
Male	Angina	2293.4	Persons encountering health services for specific procedures and health care	2367.0
	Respiratory infections	1907.9	Angina	1956.7
	Other forms of heart disease	1597.5	Respiratory infections	1721.7
	Ischaemic heart disease	1527.9	Ischaemic heart disease	1550.1
	Complications of surgical and medical care, not elsewhere classified	1393.3	Other forms of heart disease	1232.4
Total	Angina	2131.8	Persons encountering health services for specific procedures and health care	2059.9
	Respiratory infections	1630.1	Angina	1712.2
	Other forms of heart disease	1387.8	Respiratory infections	1388.0
	CORD	1318.0	Ischaemic heart disease	1148.7
	Ischaemic heart disease	1208.2	Other forms of heart disease	1084.0

Table 3.2.4: Leading causes of hospitalisation, by ethnicity, 65+ years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	CORD	3298.1	Persons encountering health services for specific procedures	7454.5
			and health care	
	Respiratory infections	3027.6	CORD	2912.0
	Congestive heart failure	2359.2	Respiratory infections	2597.3
	Angina	2347.7	Diabetes	2074.3
	Diabetes	1997.1	Angina	1943.8
non-Māori	Angina	2099.5	Persons encountering health services for specific procedures	1705.0
			and health care	
	Respiratory infections	1407.0	Angina	1698.8
	Other forms of heart disease	1331.8	Respiratory infections	1319.4
	Ischaemic heart disease	1183.5	Ischaemic heart disease	1133.2
	CORD	998.2	Other forms of heart disease	1069.6

Table 3.2.5: Leading causes of hospitalisation, males and females, 5-14 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	727.4	Dental conditions	660.6
	Dental conditions	570.6	Respiratory infections	622.0
	ENT infections	423.7	ENT infections	380.4
	Symptoms and signs involving the digestive system and	283.1	Injuries to the elbow and forearm	337.0
	abdomen			
	Asthma	276.7	Persons encountering health services for specific procedures	311.2
			and health care	
Male	Respiratory infections	747.8	Dental conditions	687.9
	Dental conditions	617.4	Respiratory infections	671.2
	Injuries to the elbow and forearm	499.6	Injuries to the elbow and forearm	520.1
	ENT infections	469.6	ENT infections	457.9
	Injuries to the head	428.9	Injuries to the head	360.8
Total	Respiratory infections	737.9	Dental conditions	674.6
	Dental conditions	594.6	Respiratory infections	647.1
	ENT infections	447.2	Injuries to the elbow and forearm	430.9
	Injuries to the elbow and forearm	388.5	ENT infections	420.1
	Asthma	320.9	Persons encountering health services for specific procedures	330.2
			and health care	

Table 3.2.6: Leading causes of hospitalisation, by ethnicity, 5-14 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Dental conditions	782.3	Dental conditions	843.1
	Respiratory infections	751.8	Respiratory infections	644.5
	ENT infections	565.4	ENT infections	555.6
	Asthma	431.8	Injuries to the elbow and forearm	425.4
	Cellulitis	424.1	Persons encountering health services for specific procedures	399.2
			and health care	
non-Māori	Respiratory infections	727.4	Respiratory infections	648.9
	Dental conditions	420.0	Dental conditions	619.8
	Injuries to the elbow and forearm	374.5	Injuries to the elbow and forearm	432.1
	ENT infections	339.2	ENT infections	377.3
	Injuries to the head	288.9	Persons encountering health services for specific procedures	308.2
			and health care	

Table 3.2.7: Leading causes of hospitalisation, males and females, 0-4 years, 2007-09

	Lakes DHB		New Zealand		
	Condition	ASR	Condition	ASR	
Female	Respiratory infections	4881.9	Persons encountering health services in other circumstances	4296.1	
	Persons encountering health services in other circumstances	2152.2	Respiratory infections	3688.1	
	Disorders related to length of gestation and fetal growth	1749.8	Disorders related to length of gestation and fetal growth	1895.8	
	Gastro-oesophageal reflux disease	1434.8	Gastro-oesophageal reflux disease	1561.8	
	ENT infections	1242.3	ENT infections	1005.2	
Male	Respiratory infections	6883.3	Respiratory infections	4875.7	
	Persons encountering health services in other circumstances	2125.0	Persons encountering health services in other circumstances	4131.4	
	ENT infections	2041.7	Disorders related to length of gestation and fetal growth	2016.8	
	Gastro-oesophageal reflux disease	1583.3	Gastro-oesophageal reflux disease	1663.2	
	Asthma	1541.7	ENT infections	1415.5	
Total	Respiratory infections	5907.0	Respiratory infections	4295.1	
	Persons encountering health services in other circumstances	2138.3	Persons encountering health services in other circumstances	4212.0	
	ENT infections	1651.7	Disorders related to length of gestation and fetal growth	1957.6	
	Disorders related to length of gestation and fetal growth	1643.2	Gastro-oesophageal reflux disease	1613.6	
	Gastro-oesophageal reflux disease	1510.9	ENT infections	1214.9	

Table 3.2.8: Leading causes of hospitalisation, by ethnicity, 0-4 years, 2007-09

	Lakes DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	7710.4	Respiratory infections	5965.2
	Asthma	1767.7	Persons encountering health services in other circumstances	2422.4
	Dental conditions	1734.0	Disorders related to length of gestation and fetal growth	1684.5
	ENT infections	1523.6	Gastro-oesophageal reflux disease	1311.2
	Disorders related to length of gestation and fetal growth	1515.2	ENT infections	1270.5
non-Māori	Respiratory infections	4051.9	Persons encountering health services in other circumstances	4825.9
	Persons encountering health services in other circumstances	2857.1	Respiratory infections	3722.1
	ENT infections	1783.5	Disorders related to length of gestation and fetal growth	2051.4
	Disorders related to length of gestation and fetal growth	1774.9	Gastro-oesophageal reflux disease	1717.4
	Gastro-oesophageal reflux disease	1575.8	ENT infections	1195.9

## Cancer Registration Tables (2005-2007)

NOTE A: Counts less than 5 have ASR's presented as "0.0" or "#N/A"

**NOTE B**: There are two comparisons being made in the following tables 1. Māori Age-Standardised Rate against non-Māori Age-Standardised Rate within the District Health Board:

Māori ASR statistically significantly higher than non-Māori ASR within DHB Māori ASR statistically significantly lower than non-Māori ASR within DHB

2. District Health Board Age-Standardised Rate against New Zealand Age-Standardised Rate:

DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

Key:

DHB = District Health Board ASR = Age-Standardised Rate

Table 4.1.1: Lung cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

			Māori	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	66.9	-0.3 - 134.2	22.0	3.0 - 41.0	29.4	10.0 - 48.8
	Male	99.9	11.4 - 188.3	24.6	6.8 - 42.5	37.6	16.1 - 59.0
	Total	82.3	27.6 - 137.0	23.1	10.0 - 36.1	33.2	18.8 - 47.7
New Zealand	Female	91.7	72.1 - 111.2	22.7	19.8 - 25.5	28.1	25.1 - 31.2
	Male	91.7	71.0 - 112.5	32.1	28.8 - 35.4	36.5	33.1 - 40.0
	Total	91.6	77.4 - 105.9	27.0	24.8 - 29.2	31.9	29.6 - 34.2

Table 4.1.2: Female breast cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	209.4	84.1 - 334.8	114.2	60.3 - 168.1	136.4	85.5 - 187.4
New Zealand	Female	167.8	140.8 - 194.7	126.7	118.6 - 134.7	130.4	122.7 - 138.1

Table 4.1.3: Prostate cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Male	97.0	9.4 - 184.6	107.0	66.1 - 147.9	104.4	67.9 - 140.9	
New Zealand	Male	89.8	69.1 - 110.5	106.5	100.4 - 112.5	104.9	99.1 - 110.7	

Table 4.1.4: Cervical cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	11.0	-8.9 - 30.9	9.2	-5.3 - 23.8
New Zealand	Female	17.1	8.2 - 26.0	9.5	6.9 - 12.1	10.3	7.8 - 12.7

Table 4.1.5: Colorectal cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	28.6	-16.3 - 73.5	51.2	19.5 - 82.9	47.0	20.9 - 73.2	
	Male	40.9	-14.2 - 96.0	56.6	21.7 - 91.5	52.1	24.2 - 80.0	
	Total	33.9	-0.9 - 68.6	53.6	30.1 - 77.1	49.3	30.3 - 68.3	
New Zealand	Female	35.4	23.2 - 47.5	45.9	41.7 - 50.0	45.2	41.2 - 49.1	
	Male	44.3	29.9 - 58.8	56.2	51.6 - 60.9	55.4	51.0 - 59.8	
	Total	39.7	30.3 - 49.1	50.8	47.7 - 53.9	50.0	47.1 - 53.0	

Table 4.1.6: Melanoma registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

			Māori	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	74.2	25.9 - 122.6	54.6	21.1 - 88.2
	Male	0.0	0.0 - 0.0	89.3	42.0 - 136.7	72.1	35.3 - 108.8
	Total	0.0	0.0 - 0.0	81.6	47.6 - 115.6	63.0	38.1 - 87.9
New Zealand	Female	10.0	3.4 - 16.6	55.1	49.5 - 60.7	50.2	45.2 - 55.1
	Male	8.5	1.9 - 15.2	61.4	55.7 - 67.0	56.5	51.4 - 61.5
	Total	9.3	4.6 - 13.9	58.0	54.0 - 61.9	53.1	49.5 - 56.6

Table 4.1.7: Lung cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

			Māori	r	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	403.8	361.0 - 446.7	145.1	134.1 - 156.0	175.9	164.9 - 186.9
	Male	768.6	703.6 - 833.6	241.0	227.0 - 255.1	314.0	298.9 - 329.1
	Total	573.6	535.7 - 611.6	188.8	180.0 - 197.7	241.0	231.8 - 250.3
New Zealand	Female	507.3	495.1 - 519.4	145.2	143.6 - 146.9	166.5	164.8 - 168.2
	Male	605.3	590.8 - 619.8	255.1	252.9 - 257.3	276.2	274.0 - 278.4
	Total	553.2	543.9 - 562.6	194.6	193.3 - 196.0	215.9	214.5 - 217.2

Table 4.1.8: Female breast cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Female	676.0	618.3 - 733.6	242.8	228.3 - 257.3	313.8	298.5 - 329.2	
New Zealand	Female	435.6	424.3 - 446.9	310.9	308.5 - 313.4	318.5	316.1 - 320.9	

Table 4.1.9: Prostate cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

			Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Lakes	Male	864.2	795.1 - 933.4	792.5	765.5 - 819.6	801.1	776.0 - 826.2	
New Zealand	Male	756.4	740.0 - 772.8	762.6	758.7 - 766.6	760.3	756.5 - 764.2	

Table 4.1.10: Cervical cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

			Māori		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	29.7	24.7 - 34.6
New Zealand	Female	23.7	21.1 - 26.3	11.3	10.8 - 11.7	12.0	11.5 - 12.5

Table 4.1.11: Colorectal cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

			Māori	1	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	326.4	309.6 - 343.1	280.6	266.5 - 294.7
	Male	406.5	359.3 - 453.7	400.9	382.5 - 419.3	397.1	380.2 - 414.0
	Total	195.3	173.7 - 217.0	359.7	347.4 - 372.1	334.5	323.6 - 345.3
New Zealand	Female	210.0	202.3 - 217.7	309.7	307.4 - 312.0	304.0	301.8 - 306.3
	Male	344.7	333.8 - 355.5	404.6	401.8 - 407.4	402.6	399.9 - 405.4
	Total	274.5	267.9 - 281.1	353.8	352.0 - 355.6	349.9	348.2 - 351.7

Table 4.1.12: Melanoma registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Lakes	Female	0.0	0.0 - 0.0	167.3	155.5 - 179.1	145.4	135.5 - 155.4
	Male	0.0	0.0 - 0.0	300.7	284.7 - 316.7	261.1	247.3 - 274.8
	Total	0.0	0.0 - 0.0	229.6	219.8 - 239.5	199.2	190.8 - 207.6
New Zealand	Female	35.6	32.5 - 38.8	144.7	143.1 - 146.3	138.2	136.7 - 139.7
	Male	48.2	44.0 - 52.5	247.5	245.3 - 249.7	236.7	234.7 - 238.8
	Total	41.0	38.4 - 43.5	191.8	190.4 - 193.1	183.2	181.9 - 184.5

**ICD-10 Codes** 

Description	ICD-10-AM codes used
I: Certain infectious and parasitic diseases	A00-B99
·	
Intestinal infectious diseases	A00-A09
Tuberculosis (including late effects)	A15–A19, B90
Meningococcal infection	A39
Infections, sexual transmission	A50–A64
Viral hepatitis	B15-B19
HIV	B20-B24
Viral infection, unspecified, of unspecified site	B34.9
II: Neoplasms (cancer) Malignant neoplasms	C00-D48
Lip, oral cavity and pharynx	C00-C97 C00-C14
Digestive organs	
	C15-C26
<ul><li>Ÿ Oesophagus</li><li>Ÿ Cancer of stomach</li></ul>	C15
Cancer of stomach     Colorectal	C16 C18–C21
Colorectal     Cancer of colon	C18-C21 C18
	C18 C19–C21
, 3	C19-C21 C22
·	C22 C23–C24
	C23-C24
'	635
	C25
5	C17, C26
Respiratory and intrathoracic organs  Ÿ Larynx	C30-C39
•	C32
<ul><li>Ÿ Trachea, bronchus and lung</li><li>Ÿ Other respiratory and intrathoracic organs</li></ul>	C33-C34
Bone and articular cartilage	C30–C31, C37–C39 C40–C41
Skin	C40-C41 C43-C44
₩ Melanoma of skin	C43—C44 C43
Other malignant neoplasms of skin	C43 C44
Wesothelial and soft tissue	C45-C49
Breast: female	C50 & female
Breast: male	C50 & male
Female genital organs	C51-C58
♥ Cervix uteri	C53
¥ Uterus	C54-C55
Ÿ Ovary	C56
Ÿ Other female genital organs	C51–C52, C57–C58
Male genital organs	C60-C63
₩ Prostate	C61
Testis	C62
Ÿ Other male genital organs	C60, C63
Urinary tract	C64-C68
₩ Kidney, except renal pelvis	C64
Ridney, except renal pelvis     Bladder	C67
♥ Other urinary tract	C65–C66, C68
•	C69-C72
Eye and other central nervous system  Ÿ Brain	C69–C72 C71

Description	ICD-10-AM codes used
Other central nervous system	C69–C70, C72
Thyroid and other endocrine glands	C73–C75
Ÿ Thyroid gland	C73—C73
Triyroid gland	C74-C75
5	C/4-C/3
Malignant neoplasm of ill-defined, secondary and unspecified sites	C76-C80
	C01 C0F
Lymphoma	C81-C85
Ÿ Hodgkin's disease	C81
♥ Non-Hodgkin's lymphoma	C82-C85
Multiple myeloma and other malignant immunoproliferative diseases and malignant plasma cell neoplasms	C88, C90
Leukaemias	C91-C95
Ÿ Lymphoid leukaemia	C91
Ÿ Myeloid leukaemia	C92
Ÿ Acute myeloid leukaemia	C92.0, C92.4, C92.5
Ÿ Other myeloid leukaemia	C92.1-C92.3,
Other myeloid leukaemia	C92.8-C92.9
Ÿ Other leukaemias	C93-C95
Other and unspecified malignant neoplasms of lymphoid, hematopoietic, and related tissue	C96
Malignant neoplasm of independent (primary) multiple sites	C97
In situ neoplasms	D00-D09
Ÿ Melanoma in situ	D03
Ÿ Carcinoma in situ of breast	D05
Ÿ Carcinoma in situ of cervix uteri	D06
Ÿ Other in situ neoplasms	D00-D02, D04, D07-D09
Benign neoplasms	D10-D36
Neoplasms of uncertain or unknown behaviour	D37-D48
III: Diseases of the blood and blood-forming organs and	D50-D89
IV: Endocrine, nutritional and metabolic diseases	E00-E90
·	
Disorders of thyroid gland	E00-E07
Diabetes mellitus	E10-E14
Ÿ IDDM (type 1)	E10
Ÿ NIDDM (type 2)	E11-E14
Obesity	E66
V: Mental and behavioural disorders	F00-F99
Organic, including symptomatic, mental disorder	F00-F09
Dementia, vascular and unspecified	F01, F03
Personality and behavioural disorders due to brain	F07
disease, damage, and dysfunction	
Mental and behavioural disorders due to psychoactive	F10-F19
substance use	F10
Ÿ Alcohol	F10 F11
Ÿ Opioids	F11 F12
Ÿ Cannabinoids	1 14

Description	ICD-10-AM codes used
Schizophrenia, schizotypal and delusional disorders	F20-F29
Ÿ Schizophrenia	F20
ÿ Schizoaffective disorders	F25
Mood (affective) disorders	F30-F39
Ÿ Manic episode and bipolar affective disorder	F30-F31
Ÿ Manic episode	F30
ÿ Bipolar affective disorder	F31
Depressive episode and recurrent, and persistent mood [affective] disorders	F32–F34
ÿ Depressive episode	F32
ÿ Recurrent depressive disorder	F33
ÿ Persistent mood [affective] disorders	F34
Neurotic, stress-related and somatoform disorders	F40-F48
Eating disorders	F50
Disorders of adult personality and behaviour	F60-F69
Mental retardation	F70-F79
VI: Diseases of the nervous system	G00-G99
Bacterial meningitis, not elsewhere classified	G00
Parkinson's disease, secondary Parkinsonism	G20-G21
Alzheimer's disease	G30
Epilepsy, status epilepticus	G40-G41
Migraine	G43
Transient cerebral ischemic attacks and	G45
related syndromes	
Mononeuropathies of upper limb	G56
Infantile cerebral palsy	G80
VII: Diseases of the eye and adnexa	H00-H59
Disorders of lens	H25-H28
Glaucoma	H40-H42
VIII: Diseases of the ear and mastoid process	H60-H95
Diseases of middle ear and mastoid	H65-H75
Ÿ Non-suppurative otitis media	H65
▼ Suppurative and unspecified otitis media	H66
Perforation of tympanic membrane	H72
Hearing loss	H90-H91

Description	ICD-10-AM codes used
IX: Diseases of the circulatory system	100–199
Acute rheumatic fever	100–102
Acute rheumatic heart disease	101, 102.0
Chronic rheumatic heart disease	105–109
Hypertensive diseases	110- 15
Ischemic heart disease	120–125
Angina pectoris	120
Acute myocardial infarction	121
Chronic ischemic heart disease	125
Pulmonary circulation	126–128
Other forms of heart disease	130–152
Ÿ Atrial fibrillation and flutter	148
Ÿ Heart failure	150
Cerebrovascular diseases	160–169
Ÿ Subarachnoid haemorrhage	160
Intracorohral hagmarrhage other nontraumatic	
intracranial haemorrhage	l61–l62
Cerebral infarction, stroke, not specified as haemorrhage or infarction	163–164
Other diseases of the circulatory system	170–199
Ÿ Atherosclerosis	170
ÿ Varicose veins of lower extremities	183
X: Diseases of the respiratory system	100–199
Acute upper respiratory infections	J00 <b>–</b> J06
Pneumonia	J12-J18
Acute bronchitis and bronchiolitis	J20 <b>–</b> J22
Chronic diseases of tonsils and adenoids	J35
Chronic obstructive respiratory disease	J40–J44
Asthma	J45-J46
Bronchiectasis	J47
XI: Diseases of the digestive system	K00-K93
Teeth and gums	K00-K08
Disorders of tooth development and equation	
embedded and impacted teeth	K00-K01
ÿ Dental caries	К02
♥ Diseases of pulp and periapical tissues	K04
Periodontal diseases	K05-K06
Diseases of oesophagus, stomach and duodenum	K20-K31
Diseases of oesophagus	K20-K22
Gastric, duodenal, peptic gastrojejunal ulcers, gastritis duodenitis	K25-K29
Diseases of appendix	K35-K38
Hernia	K40-K46
Ÿ Inguinal hernia	K40
Non-infective gastroenteritis and colitis	K50-K52
Other diseases of intestines and diseases of peritoneum	K55-K67
Diseases of liver	K70-K77
Ÿ Alcoholic liver disease	к70

Description	ICD 10 AM sodes used
Description  Dispasses of gallbladder, biliany tract and panersas	ICD-10-AM codes used K80–K87
Diseases of gallbladder, biliary tract and pancreas  Cholelithiasis	K80
	K85
Acute pancreatitis Other diseases of pancreas	K86
Haematemesis, melaena and gastrointestinal haemorrhage,	NOO
unspecified	K92.0-K92.2
XII: Diseases of the skin and subcutaneous tissue	L00-L99
Infections of skin and subcutaneous tissue	L00-L08
XIII: Diseases of the musculoskeletal system and connective	
tissue	M00-M99
Gout	M10
Arthrosis (osteoarthritis)	M15-M19
Other dorsopathies	M50-M54
,	
XIV: Diseases of the genitourinary system	N00-N99
Glomerular diseases	N00-N08
Tubulo-interstitial nephritis	N10-N12
Renal failure	N17-N19
Urolithiasis	N20-N23
Urinary tract infection, site not specified	N39.0
Stress incontinence and other specified urinary incontinence	N39.3, N39.4
ÿ Stress incontinence	N39.3
Disorders of male genital organs	N40-N51
ÿ Hyperplasia of prostate	N40
Inflammatory disorders of breast	N61
Inflammatory diseases of female pelvic organs	N70-N77
Non-inflammatory disorders of female genital tract	N80-N98
Ÿ Endometriosis	N80
ÿ Female genital prolapse	N81
ÿ Dysplasia of cervix uteri	N87
<ul> <li>         ∀ Excessive and frequent menstruation     </li> </ul>	N92.0, N92.1
	N95
XV: Pregnancy, childbirth and the puerperium	000-099
Abscess of breast associated with childbirth	091.1
XVI: Certain conditions originating in the perinatal period	P00-P96
Slow fetal growth and fetal malnutrition and premature	P05-P07
Ÿ Slow fetal growth and fetal malnutrition	P05
ÿ Premature	P07.2-P07.3
Birth trauma	P10-P15
Respiratory and cardiovascular disorders specific to the	D20 D20
perinatal period	P20-P29

Description	ICD-10-AM codes used
ÿ Birth asphyxia	P21
Respiratory distress of newborn	P22
Infection specific to the perinatal period	P35-P39
XVII: Congenital malformations, deformations, and	
chromosomal abnormalities	Q00-Q99
XVIII: Symptoms, signs and abnormal clinical and laboratory	D00 D00
findings, not elsewhere classified	R00–R99
Symptoms and signs involving the circulatory and respiratory	R00-R09
systems Symptoms and signs involving the digastive system and	
Symptoms and signs involving the digestive system and abdomen	R10-R19
Symptoms and signs involving the urinary system	R30-R39
General symptoms and signs	R50-R69
Ill-defined and unknown causes of mortality	R95-R99
ÿ Sudden infant death syndrome	R95
XIX: Injury, poisoning and certain other consequences of	S00-T98
external causes	
Injuries to the head	S00-S09
Other injuries	S10-T14
Burns	T20-T31
Poisoning by drugs, medicaments and biological substances	T36-T50
Complications of surgical and medical care, not elsewhere	T80-T88
classified	
XX: External causes of morbidity and mortality	V01–Y98
Accidents	V01-V99, W00-X59, Y85,
Transport accidents	V01–V99, Y85
Ÿ Pedestrian	V01–V09
Ÿ Pedal cyclist	V10–V19
Other land transport (occupant of motorcycle, three-	V20 VEQ V0E 0
wheeled motor vehicle, car, pickup truck or van)	V20–V59, Y85.0
Ÿ Other transport	V90-V99, Y85.1
Other external causes of accidental injury	w00–x59, y86
Ÿ Falls	W00-W19
Exposure to mechanical forces	W20-W64
· ·	W20-W49
T Exposure to manimate mechanical forces	
<ul> <li>Exposure to inanimate mechanical forces</li> <li>Exposure to animate mechanical forces</li> </ul>	W50-W64
¥ Exposure to animate mechanical forces	
•	W50-W64
<ul> <li>Ÿ Exposure to animate mechanical forces</li> <li>Ÿ Drowning and submersion (non transport)</li> <li>Ÿ Fires</li> <li>∴ Accidental poisoning by and exposure to noxious</li> </ul>	W50–W64 W65–W74
<ul> <li>Exposure to animate mechanical forces</li> <li>Drowning and submersion (non transport)</li> <li>Fires</li> <li>Accidental poisoning by and exposure to noxious substances</li> </ul>	W50–W64 W65–W74 X00–X09
<ul> <li>Exposure to animate mechanical forces</li> <li>Drowning and submersion (non transport)</li> <li>Fires</li> <li>Accidental poisoning by and exposure to noxious substances</li> <li>Accidental threats to breathing</li> </ul>	W50–W64 W65–W74 X00–X09 X40–X49
<ul> <li>Exposure to animate mechanical forces</li> <li>Drowning and submersion (non transport)</li> <li>Fires</li> <li>Accidental poisoning by and exposure to noxious substances</li> <li>Accidental threats to breathing</li> <li>Accidental suffocation or strangulation in bed</li> </ul>	W50–W64 W65–W74 X00–X09 X40–X49 W75-84
<ul> <li>Ÿ Exposure to animate mechanical forces</li> <li>Ÿ Drowning and submersion (non transport)</li> <li>Ÿ Fires</li> <li>Accidental poisoning by and exposure to noxious substances</li> <li>Ÿ Accidental threats to breathing</li> <li>Ÿ Accidental suffocation or strangulation in bed</li> <li>Intentional self-harm (suicide)</li> </ul>	W50–W64 W65–W74 X00–X09 X40–X49 W75-84 W75
<ul> <li>Exposure to animate mechanical forces</li> <li>Drowning and submersion (non transport)</li> <li>Fires</li> <li>Accidental poisoning by and exposure to noxious substances</li> <li>Accidental threats to breathing</li> <li>Accidental suffocation or strangulation in bed</li> </ul>	W50–W64 W65–W74 X00–X09 X40–X49 W75-84 W75 X60–X84, Y87.0

Desc	ription	ICD-10-AM codes used	
Complications of medical and surgical care		Y40–Y84, Y88	
Ÿ	Drugs, medicaments and biological substances causing adverse effects in therapeutic use	Y40–Y59, Y88.0	
Ÿ	Misadventure to patients during surgical and medical care	Y60–Y69, Y88.1	
	Medical devices associated with adverse incidents,	V70 V04 V00 2 V00 2	
Ÿ	abnormal reaction, without mention of misadventure at the time of the procedure	Y70–Y84, Y88.2, Y88.3	
XXI: servi	Factors influencing health status and contact with health ces	Z00–Z99	
	ons encountering health services for examination and stigation	Z00–Z13	
Persons with potential health hazards related to communicable diseases		Z20 <b>–</b> Z29	
	ons encountering health services in circumstances related production	Z30–Z39	
Ÿ	Outcome of delivery	Z37	
Ÿ	Liveborn infants	Z38	
Persons encountering health services for specific procedures and health care		Z40-Z54	
Ÿ	Care involving dialysis	Z49	
Ÿ	Care involving rehabilitation	<b>Z</b> 50	
Persons with potential health hazards related to socioeconomic and psychosocial circumstances		Z55–Z65	
Persons encountering health services in other circumstances		Z70–Z76	
Persons with potential health hazards related to family and personal history and certain conditions influencing health status		Z80–Z99	