

Health Needs Assessment

Bay of Plenty District Health Board

For the Ministry of Health

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Health Needs Assessment Bay of Plenty District Health Board

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EXECUTIVE SUMMARY

The report identifies the unmet health and healthcare needs of the Bay of Plenty 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 Bay of Plenty DHB in determining priorities for its planning and decision-making to achieve health gain in its population.

Demographics and social determinants of health

Bay of Plenty DHB had a population of 200,790 in 2006, and this is projected to rise to 247,900 by 2026. The DHB population has a high proportion of elderly, and this proportion is predicted to increase further by 2026. Māori is the second largest ethnic group behind European. The Bay of Plenty DHB has a larger proportion of Māori than in New Zealand as a whole.

Bay of Plenty DHB has a greater proportion of people living in areas of greater socio-economic deprivation than New Zealand as a whole. Māori are over-represented in the higher deprivation deciles compared to non-Māori. There are a greater proportion of those with no educational qualification, a lower proportion of those earning over the average personal income, and while employment rates are in line with the national average, more people are in part-time work.

Health status

Avoidable mortality and hospitalisations

Overall, both the avoidable mortality and avoidable hospitalisation rates for Māori in the Bay of Plenty DHB were both statistically significantly higher than the non-Māori rate.

Ischaemic heart disease, lung cancer, motor vehicle accidents, and suicide were four of the top five leading causes of avoidable mortality for both Māori and non-Māori. These were also the leading causes for New Zealand.

Four of the top five leading causes of avoidable hospitalisation were similar for Māori and non-Māori. These were respiratory infections, dental conditions, gastroenteritis, and ENT infections. Similar results were also found for the Bay of Plenty DHB and New Zealand.

Child and youth health

Asthma featured in the top five leading causes of hospitalisations for Māori children aged 0-4 years while it did not for non-Māori children.

Bay of Plenty DHB had the same leading causes of hospitalisations for children 5-14 years of age as New Zealand: dental conditions, respiratory infections, ENT infections, and injuries to the elbow and arm.

Older people

The leading causes of mortality for older people in the Bay of Plenty DHB were similar between Māori and non-Māori. These were ischaemic heart disease, chronic obstructive pulmonary disease (COPD), lung cancer, and stroke. Diabetes was in the top five causes for Māori but not non-Māori.

Only two of the top five leading causes of hospitalisations for older Māori and non-Māori people were similar. These were angina and respiratory infections. However, the top five leading causes of hospitalisations for older Māori people in the Bay of Plenty DHB matched the top five leading causes for older Māori people in New Zealand.

Health service utilisation

In the Bay of Plenty DHB in 2009-2010, fewer children were up to date with their vaccinations by the age of two than in New Zealand as a whole. The coverage rate was higher for non-Māori than for Māori children within the Bay of Plenty DHB.

Of eligible women in the Bay of Plenty DHB, fewer women had a mammogram in the last two years than in New Zealand as a whole. The screening coverage was considerably lower for Māori women (38%) than for non-Māori women (59.3%) in the Bay of Plenty DHB, and lower than the total New Zealand coverage (63.7%).

Of women aged 20 to 69 years in the Bay of Plenty DHB who had a primary health care provider, 89.4 percent had a cervical smear in the past three years, which is higher than the national percentage. Māori and non-Māori women in the Bay of Plenty DHB also have higher coverage rates than those observed nationally.

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 (http://cphronline.massey.ac.nz/). 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 Bay of Plenty 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, 10th 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	1110.5 - 1137.0	545.4	543.5 - 547.3	577.2	575.2 - 579.1		

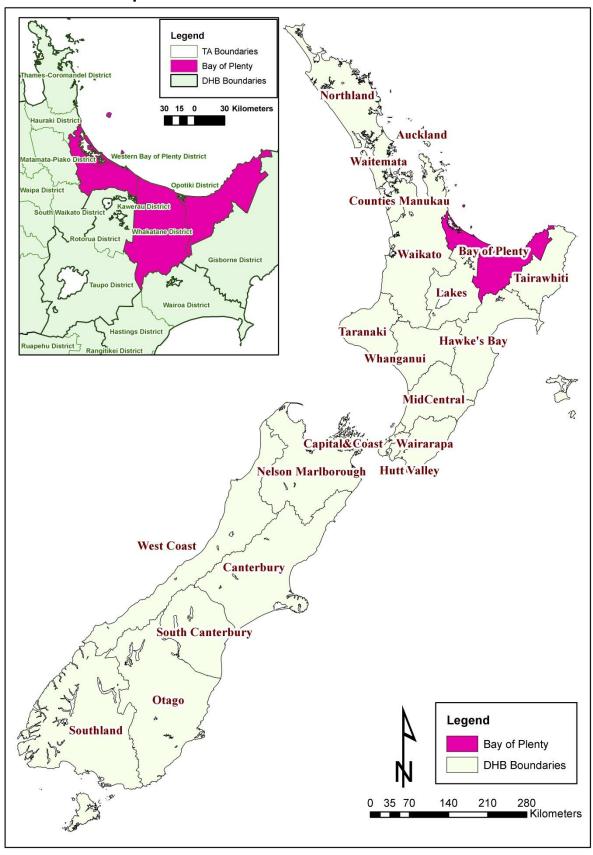
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non- Māori population in the DHB (622.3 per 100,000)

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

Bay of Plenty District Health Board had a population of 200,790 at the last (2006) census, making up approximately 5 percent of the New Zealand population (4,184,580 at the last census), (Statistics New Zealand, 2008). This population is projected to rise to 247,900 by 2026, an increase of 23.5 percent compared to 19.3 percent for New Zealand as a whole, (personal communication, Ministry of Health).

1.1 Ethnicity

The proportion of people identifying themselves as Māori in the Bay of Plenty is substantially above that of New Zealand as a whole, (24.4% compared to 14.6%) and represents the second largest ethnic group in the DHB (after European), (Statistics New Zealand, 2008).

1.2 Population Distribution by Age and Gender

The majority of the Bay of Plenty DHB population (62.0%) are of working age (15-64 years), a proportion slightly lower than that of New Zealand as a whole (66.5%). There is a similar proportion of younger people (aged 0-14 years) but a higher proportion of the elderly (aged 65+ years) in the Bay of Plenty when compared to the New Zealand population. Two distinct peak age bands occur within the Bay of Plenty population at 10-14 years and 35-44 years, similar but less pronounced peak populations occur in the New Zealand population at 15-19 years and 40-44 years.

In common with the New Zealand population, the proportion of the population who are of working age is similar for males and females. Amongst the young the proportion of males is slightly higher than that of females whilst for the elderly the opposite is true. This is also in line with the New Zealand population.

By 2026 the projected population for Bay of Plenty DHB will have aged, increasing the proportion in the 65+ age group (15.8% to 23.1%) at the expense of both young people (22.1% to 18.9%) and those of working age (62.1% to 58.0%). This is in line with trends for the rest of New Zealand. It should be noted however, that there is predicted to be an overall increase in the Bay of Plenty population in all three age brackets. Whilst the peak populations remain at 10-14 years and 30-35 years, a further peak occurs at 60-65 years. Similar but less pronounced peaks also occur in the New Zealand population.

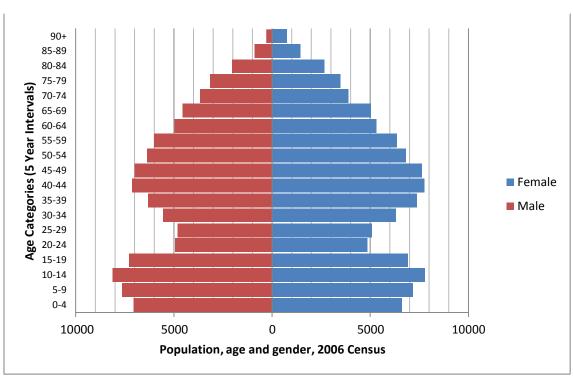
Table 1:1:Percentage population, age and gender, 2006 Census, 2026

Location	Age Group	200	06(Base Populatio	n)	2026 (Projected Population)				
Location	Age Group	Male	Female	Total	Male	Female	Total		
D (0-14	23.3	20.9	22.1	19.8	18.0	18.9		
Bay of Plenty	15-64	61.7	62.4	62.1	58.4	57.7	58.0		
ricity	65+	14.9	16.7	15.8	21.8	24.3	23.1		
	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 Group		2006(Base)			2026		% Population Change 2006-2026			
	0	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	0-14	22810	21560	44370	24040	22750	46800	5.4	5.5	5.5	
Bay of	15-64	60310	64310	124600	70880	72920	143780	17.5	13.4	15.4	
Plenty	65+	14570	17250	31820	26520	30750	57280	82.0	78.3	80.0	
	Total	97690	103120	200790	121440	126420	247860	24.3	22.6	23.4	
	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



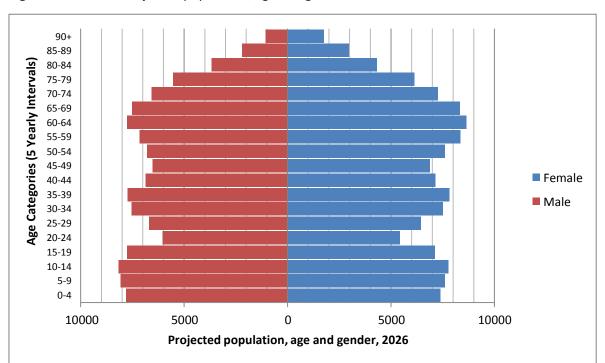
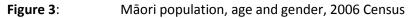


Figure 2: Projected population, age and gender, 2026

1.3 Population Distribution by Ethnicity

The Māori population of Bay of Plenty is much younger than the non-Māori Bay of Plenty population. Peak population occurs at 10-14 years whilst for non-Māori peak population occurs at 40-50 years (with a lesser peak at 10-14 years). Although the Māori population steadily rises in age over the period 2006-2026, the peak population remains at 10-14 years, by comparison the peak age for non-Māori increases to 60-70 years. In common with, but less extreme than, the non-Māori Bay of Plenty population, there is a predicted increase in the Māori population across all age bands. The rate of increase for the elderly Māori population is much higher than for the elderly non-Māori population (126.0% compared to 43.2%).



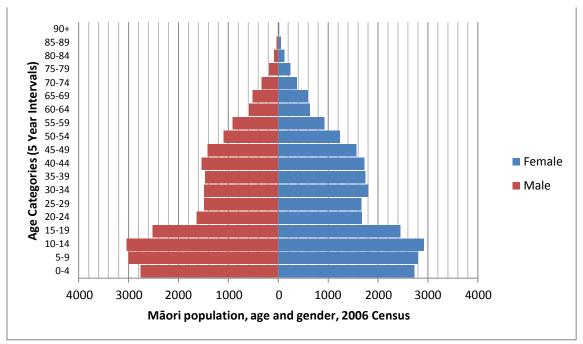


Figure 4: Non-Māori population, age and gender, 2006 Census

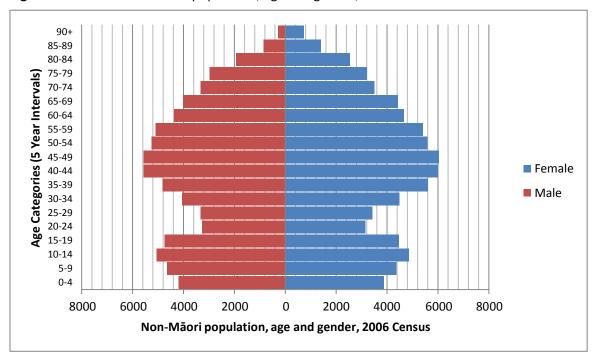


Table 1:3:Māori population change, age and gender, 2006 Census, 2026

Location	A ===		2006(Base)			2026		% Population Change 2006-2026			
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	0-14	8900	8440	17350	10130	9590	19740	13.8	13.6	13.8	
Bay of	15-64	14180	15470	29650	17840	18890	36720	25.8	22.1	23.8	
Plenty	65+	1160	1410	2580	2580	3240	5830	122.4	129.8	126	
	Total	24240	25320	49580	30550	31720	62290	26	25.3	25.6	
	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	173.6	169	
	Total	305800	318520	624340	399870	410790	810650	30.8	29	29.8	

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

Location	Age	2006(Base)				2026	% Population Change 2006-2026			
	Group	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	13910	13120	27020	13910	13160	27060	0.0	0.3	0.1
Bay of	15-64	46130	48840	94950	53040	54030	107060	15.0	10.6	12.8
Plenty	65+	13410	15840	29240	23940	27510	51450	78.5	73.7	76.0
	Total	73400	77800	151200	90800	94700	185600	23.7	21.7	22.8
	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 5: Projected Māori population, age and gender, 2026

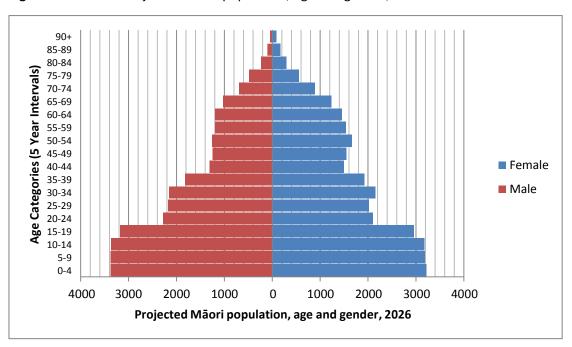
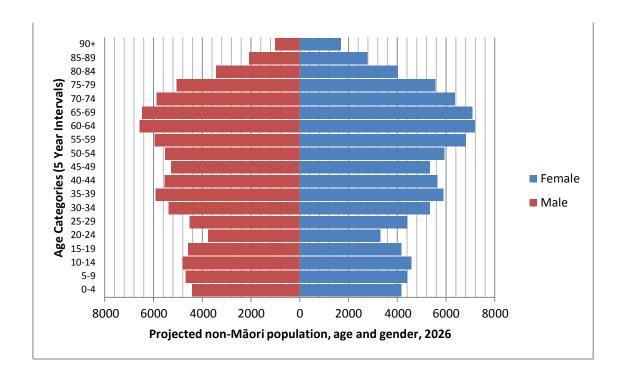


Figure 6: Projected non-Māori population, age and gender, 2026



2 SOCIAL DETERMINANTS OF HEALTH

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

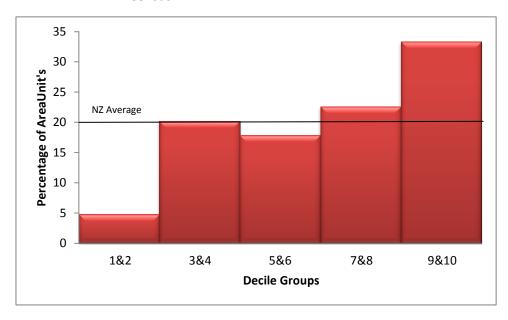
"..The circumstances, in which people are born, grow up, live, work and age, and the systems put in place to deal with illness. These circumstances are in turn shaped by a wider set of forces: economics, social policies, and politics", (World Health Organisation, 2008)

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).

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



The distribution of NZDep(06) area units in the Bay of Plenty is skewed towards the higher deprivation deciles. 33 percent of area units are classed in the deciles 9 and 10 (most deprived) compared to just 4.76 percent in deciles 1 and 2 (least deprived).

The difference in levels of deprivation between Māori and non-Māori in the Bay of Plenty is more exaggerated than the difference nationally. Whilst the non-Māori population shows no trends in terms of distribution across the deprivation deciles, Māori distribution increases with each decile. Over 50 percent of the Bay of Plenty Māori population are in deprivation deciles 9 and 10 (most deprived).

Figure 7: Bay of Plenty DHB Population, ethnicity and NZDep06 Decile

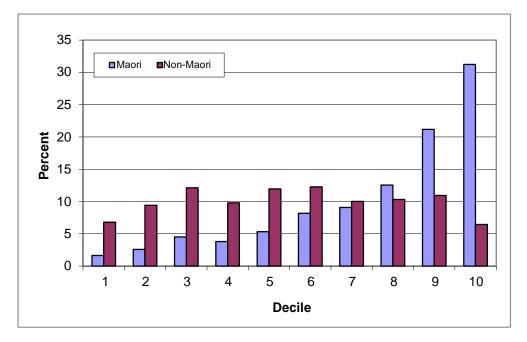
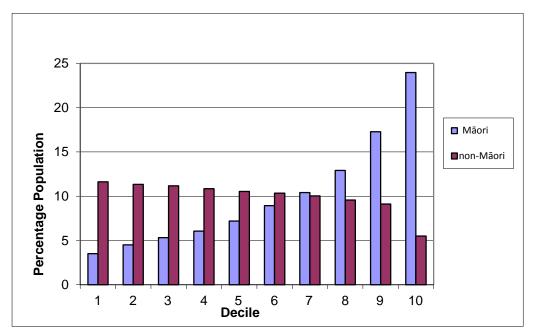


Figure 8: New Zealand Population, ethnicity and NZDep06 Decile



2.2 Education

The population of Bay of Plenty DHB has a lower proportion of university graduates (degree level and above) (8.0%) when compared to the New Zealand population (14.2%). It also has a higher rate of people with no qualifications 26.0 percent compared to 22.4 percent for New Zealand as a whole.

2.3 Income

Bay of Plenty DHB has a lower proportion of the population earning over \$30,000 in personal income, 34.0 percent compared to 37.3 percent for New Zealand as a whole. 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 Bay of Plenty is in line with that for New Zealand as a whole (94.0% compared to 94.9%). Slightly fewer people are employed full-time (as opposed to part time) than nationally (75.0% and 77.1% respectively).

In terms of type of employment there are a lower proportion of professionals in Bay of Plenty (16.0% compared to 18.9% nationally) and a higher proportion of labourers (13.0% compared to 11.0% nationally).

2.5 Housing Tenure

Housing Tenure for the Bay of Plenty DHB is very similar to that of New Zealand as a whole. A slightly higher proportion of properties were held in a family trust by the usual resident (14.6% compared to 11.6% nationally) rather than being owned or partly owned by the usual resident (49.2% compared to 51.2% nationally).

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

Location	Unit	Total, dwelling owned or partly owned by usual resident(s)	Total, dwelling not owned or partly owned by usual resident(s)	Total, dwelling held in a family trust by usual resident(s)	Not elsewhere included(3)	Total
Bay of	Number	35739	21765	10632	4563	72696
Plenty	Percentage	49.2	29.9	14.6	6.3	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

Both access to telecommunications and number of motor vehicles per household, in Bay of Plenty is in line with New Zealand levels.

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 its planning and decision making for the DHB. This chapter presents information about health status for people living in the Bay of Plenty DHB, in comparison to all New Zealanders.

Key points

- The rates of avoidable mortality and hospitalisation were statistically significantly higher for Māori than non-Māori. The rate of avoidable hospitalisation was also statistically significantly higher in the Bay of Plenty DHB compared to the national rate.
- Ischaemic heart disease, lung cancer, motor vehicle accidents, and suicide were four of the top five leading causes of avoidable mortality for both Māori and non-Māori. These were also the leading causes for New Zealand.
- Four of the top five leading causes of avoidable hospitalisation were similar for Māori and non-Māori. These were respiratory infections, dental conditions, gastroenteritis, and ENT infections. Similar results were also found for the Bay of Plenty DHB and New Zealand.
- There were no statistically significant differences in the rates of unintentional injury mortality and hospitalisation between the Bay of Plenty DHB and the national rate.
- Asthma featured in the top five leading causes of hospitalisations for Māori children aged 0-4 years while it did not for non-Māori children. There were no differences in leading causes of hospitalisations between boys and girls in the 0-4 year age group in the Bay of Plenty DHB.
- Bay of Plenty DHB had the same leading causes of hospitalisations for children 5-14 years of age as New Zealand: dental conditions, respiratory infections, ENT infections, and injuries to the elbow and arm.
- The leading causes of mortality for older people in the Bay of Plenty DHB were similar between Māori and non-Māori. These were ischaemic heart disease, chronic obstructive pulmonary disease (COPD), lung cancer, and stroke. Diabetes was in the top five causes for Māori but not non-Māori.
- Only two of the top five leading causes of hospitalisations for older Māori and non-Māori people were similar. These were angina and respiratory infections. However, the top five leading causes of hospitalisations for older Māori people in the Bay of Plenty DHB matched the top five leading causes for older Māori people in New Zealand.
- The hospitalisation rates for cardiovascular disease, stroke, and COPD in the Bay of Plenty DHB for Māori were statistically significantly higher than the non-Māori rates.
- The cancer specific mortality and registration rates for lung cancer were statistically significantly higher for Māori in the Bay of Plenty compared to non-Māori.
- The diabetes and renal failure hospitalisation rates in Bay of Plenty DHB were statistically significantly higher for Māori compared to non-Māori.
- The unintentional injury mortality rate for Māori women in the 15-24 year age group was statistically significantly higher than their non-Māori counterparts.
- Asthma and poisoning, hospitalisations for the 0-14 age group were statistically significantly higher in the Bay of Plenty than in New Zealand as a whole. Māori children and youth also had higher asthma admission rates compared to non-Māori children and youth.

3.1 Avoidable Mortality

Table 3:1 shows that the avoidable mortality rate was statistically significantly higher for Māori than non-Māori in the Bay of Plenty DHB.

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% confidence		ASR	95% c	95% confidence			
Bay of Plenty	Female	219.0	59.5	-	378.4	64.2	14.8	-	113.5	94.2	41.6	-	146.9
	Male	333.7	128.5	-	538.8	134.3	58.8	-	209.8	170.1	97.9	-	242.4
	Total	273.7	145.2	-	402.3	98.4	53.5	-	143.3	131.0	86.7	-	175.4
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

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

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

	Bay of Plenty 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
	Suicide and self-inflicted injuries	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
	Lung cancer	4	Motor vehicle accidents	4
	Colorectal cancer	5	Colorectal cancer	5

Four of the top five leading causes of avoidable mortality in the Bay of Plenty DHB were the same as those nationally (Table 3:3). These were ischaemic heart disease, motor vehicle accidents, suicide, and lung cancer. Lung cancer was the number one leading cause of avoidable mortality for women while ischaemic heart disease was the number one leading cause for men.

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

	Bay of Plenty DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Lung cancer	1	Breast cancer (female only)	1
	Breast cancer (female only)	2	Lung cancer	2
	Motor vehicle accidents	3	Ischaemic heart disease	3
	Ischaemic heart disease	4	Colorectal cancer	4
	Cerebrovascular diseases	5	Diabetes	5
Male	Ischaemic heart disease	1	Ischaemic heart disease	1
	Suicide and self-inflicted injuries	2	Suicide and self-inflicted injuries	2
	Motor vehicle accidents	3	Motor vehicle accidents	3
	Lung cancer	4	Lung cancer	4
	Complications of perinatal period	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
	Complications of perinatal period	5	Diabetes	5

3.3 Avoidable Hospitalisations

Overall, the avoidable hospitalisation rates for total Māori and Māori women in the Bay of Plenty DHB were significantly higher compared to non-Māori (Table 3:4). The rate was also statistically significantly higher in the Bay of Plenty 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-Māori				Total			
		ASR	95% (95% confidence		ASR	95% confidence		ASR	95% confidence		idence	
Bay of Plenty	Female	5470.1	4594.6	-	6345.6	3561.4	3030.0	-	4092.8	4031.4	3586.4	-	4476.4
	Male	5377.6	4497.2	-	6258.0	3957.0	3410.8	-	4503.3	4313.8	3860.1	-	4767.5
	Total	5433.2	4811.9	-	6054.5	3759.4	3378.1	-	4140.7	4173.8	3855.9	-	4491.7
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, gastroenteritis, and ENT infections were leading causes for both Māori and non-Māori in the Bay of Plenty DHB (Table 3:5).

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

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

Respiratory infections, gastroenteritis, dental conditions, and ENT infections were four of the top five leading causes of avoidable hospitalisations for the Bay of Plenty DHB and New Zealand (Table 3:6). Cellulitis was in the top five leading causes of avoidable hospitalisations for women while angina was a leading cause for men.

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

	Bay of Plenty 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
	Cellulitis	5	Cellulitis	5
Male	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	ENT infections	3
	ENT infections	4	Dental conditions	4
	Angina	5	Angina	5
Total	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	Dental conditions	3
	ENT infections	4	ENT infections	4
	Asthma	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 versus non-Māori as well as for Bay of Plenty DHB versus New Zealand (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	onf	idence	ASR	95% co	nfi	dence	ASR	95% conf	idence	
Bay of Plenty	Female	23.9	-33.0	-	80.7	9.2	-13.3	-	31.6	13.9	-10.1 -	37.8	
	Male	37.8	-37.3	-	112.9	30.4	-14.0	-	74.7	31.9	-5.8 -	69.5	
	Total	30.6	-15.9	-	77.1	19.6	-5.1	-	44.3	22.6	0.5 -	44.7	
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

Table 3:8 shows that the unintentional injury hospitalisation rate was not statistically significantly different for Māori and non-Māori as well as for the Bay of Plenty DHB and New Zealand.

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

		Māori			non-Māori				Total				
		ASR	95% c	95% confidence		ASR	95% confidence		ASR	95% confidence			
Bay of Plenty	Female	1285.9	852.8	-	1718.9	1203.9	903.1	-	1504.7	1236.4	992.5	-	1480.3
	Male	2574.5	1947.7	-	3201.2	2205.1	1805.9	-	2604.3	2317.3	1984.5	-	2650.2
	Total	1913.3	1536.5	-	2290.1	1703.9	1453.8	-	1954.0	1772.7	1566.7	-	1978.7
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

Four of the leading causes of hospitalisations for Māori and non-Māori children 0-4 years were similar (Table 3:9). While asthma featured in the top five leading causes of hospitalisation for Māori it was not one of the top five leading causes for non-Māori children.

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

	Bay of Plenty DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Respiratory infections	1	Respiratory infections	1
	Disorders related to length of gestation and fetal growth	2	*Persons encountering health services in other circumstances	2
	Gastro-oesophageal reflux disease	3	Disorders related to length of gestation and fetal growth	3
	Asthma	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5
non- Māori	Respiratory infections	1	Persons encountering health services in other circumstances	1
	Gastro-oesophageal reflux disease	2	Respiratory infections	2
	Respiratory and cardiovascular disorders specific to the perinatal period	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
	ENT infections	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

Four of the top five leading causes of hospitalisations for children 0-4 years of age in the Bay of Plenty DHB were the same as those for New Zealand in total (Table 3:10). These were respiratory infections, disorders related to length of gestation and fetal growth, ENT infections, and gastro-oesophageal reflux disease. There were no differences in leading causes of hospitalisations between boys and girls.

^{*}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

	Bay of Plenty DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Respiratory infections	1	*Persons encountering health services in other circumstances	1
	Gastro-oesophageal reflux disease	2	Respiratory infections	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Respiratory and cardiovascular disorders specific to the perinatal period	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5
Male	Respiratory infections	1	Respiratory infections	1
	Gastro-oesophageal reflux disease	2	Persons encountering health services in other circumstances	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Respiratory and cardiovascular disorders specific to the perinatal period	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5
Total	Respiratory infections	1	Respiratory infections	1
	Gastro-oesophageal reflux disease	2	Persons encountering health services in other circumstances	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Respiratory and cardiovascular disorders specific to the perinatal period	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5

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

Four of the leading causes of hospitalisations for children 5-14 years of age were similar for Māori and non-Māori: dental conditions, respiratory infections, injuries to the elbow and forearm, and ENT infections (Table 3:11).

^{*}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

	Bay of Plenty 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
	Injuries to the elbow and forearm	4	Injuries to the elbow and forearm	4
	Asthma	5	Persons encountering health services for specific procedures and health care	5
non- Māori	Respiratory infections	1	Respiratory infections	1
	Dental conditions	2	Dental conditions	2
	Injuries to the elbow and forearm	3	Injuries to the elbow and forearm	3
	*Persons encountering health services for specific procedures and health care	4	ENT infections	4
	ENT infections	5	Persons encountering health services for specific procedures and health care	5

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

Table 3:12 shows that four of the top five leading causes of hospitalisations for children 5-14 years of age were the same as those nationally: dental conditions, respiratory infections, ENT infections, and injuries to the elbow and forearm.

^{*} 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

	Bay of Plenty DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Dental conditions	1	Dental conditions	1
	Respiratory infections	2	Respiratory infections	2
	Injuries to the elbow and forearm	3	ENT infections	3
	ENT infections	4	Injuries to the elbow and forearm	4
	*Persons encountering health services for specific procedures and health care	5	Persons encountering health services for specific procedures and health care	5
Male	Dental conditions	1	Dental conditions	1
	Respiratory infections	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	Dental conditions	1	Dental conditions	1
	Respiratory infections	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	Persons encountering health services for specific procedures and health care	5

^{*} 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 leading causes of mortality for older people in the Bay of Plenty DHB were similar between Māori and non-Māori (Table 3:13). These were ischaemic heart disease, COPD, lung cancer, and stroke. Diabetes was in the top five causes for Māori but not non-Māori.

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

	Bay of Plenty DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Lung cancer	2	Lung cancer	2
	Diabetes	3	COPD	3
	COPD	4	Diabetes	4
	Stroke	5	Stroke	5
non-Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Stroke	2	Stroke	2
	Lung cancer	3	COPD	3
	COPD	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 Bay of Plenty DHB were the same as those nationally: ischaemic heart disease, stroke, COPD, lung cancer, and colorectal cancer (Table 3:14). Similar patterns were also found between men and women.

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

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

Two of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Bay of Plenty DHB were angina and respiratory infections (Table 3:15).

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

	Bay of Plenty 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
	Diabetes	3	Respiratory infections	3
	Angina	4	Diabetes	4
	*Persons encountering health services for specific procedures and health care	5	Angina	5
non- Māori	Angina	1	Persons encountering health services for specific procedures and health care	1
	Other forms of heart disease	2	Angina	2
	Respiratory infections	3	Respiratory infections	3
	Ischaemic heart disease	4	Ischaemic heart disease	4
	Skin cancers	5	Other forms of heart disease	5

Note: COPD=chronic obstructive pulmonary disease

^{*} 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.

3.8.4 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 Bay of Plenty 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.

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

	Bay of Plenty 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
	Other forms of heart disease	3	Respiratory infections	3
	COPD	4	COPD	4
	Symptoms and signs involving the digestive system and abdomen	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
	COPD	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

^{*} 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 Bay of Plenty DHB are available in the appendices 2-4. Key points are listed here.

3.9.1 Chronic conditions

The hospitalisation rates for cardiovascular disease and stroke in the Bay of Plenty DHB for Māori were statistically significantly higher than the non-Māori rate (Appendix 3: Table 3.1.2 and Table 3.1.4).

The rate of COPD hospitalisation was statistically significantly higher among Māori compared to non-Māori. The Bay of Plenty DHB COPD hospitalisation rate was also statistically significantly higher than the national rate (Appendix 3: Table 3.1.27).

3.9.2 Cancer

The cancer specific mortality and registration rates for lung cancer were statistically significantly higher for Māori in the Bay of Plenty compared to non-Māori (Appendix 2: Table 2.1.6 and Appendix 4: Table 4.1.1). However, the rates of melanoma hospitalisation (Appendix 3: Table 3.1.11) and registration (Appendix 4: Table 4.1.6) were statistically significantly lower for Māori than non-Māori. The registration rate for melanoma was statistically significantly higher in the Bay of Plenty than that observed nationally.

3.9.3 Diabetes

There were no statistically significant difference in the diabetes and renal failure hospitalisation rates in Bay of Plenty DHB and the national rate (Appendix 3: Table 3.1.24 and Table 3.1.25). For both measures, the rates for Māori people were statistically significantly higher than those for non-Māori people.

3.9.4 Other conditions

The unintentional injury mortality rate for Māori women in the 15-24 year age group was statistically significantly higher than their non-Māori female counterparts (Appendix 2: Table 2.1.15). The Bay of Plenty also had statistically significantly higher mortality and hospitalisation rates compared to the national rates.

Asthma and poisoning hospitalisations for the 0-14 age group were statistically significantly higher in the Bay of Plenty than in New Zealand as a whole (Appendix 3: Table 3.1.28 and Table 3.1.29). Māori children and young people had higher rates for asthma admissions than non-Māori children and young people.

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 Bay of Plenty 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 Bay of Plenty DHB, over two thirds of Māori children were up to date with their immunisations by the age of two, which was lower than the non-Māori rate. Compared to the national average (77.7%), the coverage rate was lower for the Bay of Plenty (74.2%).
- Just over half of Māori people aged 65 years and over in the Bay of Plenty DHB had received an influenza vaccine in the past 12 months. The Bay of Plenty coverage rate was higher than the national average.
- Of eligible women in the Bay of Plenty DHB, 55.8 percent had a mammogram in the last two years, which was lower than the national percentage (63.7%). The screening coverage was considerably lower for Māori women (38.5%) than for non-Māori women (59.3%) in the Bay of Plenty DHB, and lower than the total New Zealand coverage (63.7%).
- Of women aged 20 to 69 years in the Bay of Plenty DHB who had a primary health care provider, 89.4 percent had a cervical smear in the past three years, which is higher than the national percentage. Māori and non-Māori women in the Bay of Plenty DHB also have higher coverage rates than those observed nationally.

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 Bay of Plenty DHB, 67.7 percent of Māori children had received all specified immunisation vaccines by the age of two, which was slightly lower than the non-Māori rate (Table 4:1). The coverage rate in the Bay of Plenty DHB was lower than that observed nationally.

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

DHB	Māori	non- Māori	Total
Bay of Plenty DHB	67.7%	77.9%	74.2%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

In the Bay of Plenty DHB, 53.4 percent of Māori people aged 65 years and over either received an influenza vaccine, or had agreements made by a primary health provider to receive an influenza vaccine in the past 12 months. The coverage rate was higher for Bay of Plenty DHB compared to New Zealand (Table 4:2).

Table 4:2: Influenza vaccinations in the last 12 months, 65+ years, percent, by Māori and non-Māori, 2009-10

DHB	Māori	non- Māori	Total
Bay of Plenty DHB	53.4%	61.4%	62.2%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Bay of Plenty DHB aged 50-64 years, over 50 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 screening coverage was lower for Māori women than for non-Māori women. The coverage rate was also lower for both Māori and non-Māori women in the Bay of Plenty DHB compared to Māori and non-Māori women in New Zealand.

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

DHB	Māori	non- Māori	Total
Bay of Plenty DHB	38.5%	59.3%	55.8%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Bay of Plenty DHB who had a primary health care provider, 89.4 percent had a cervical smear in the past three years, which is higher than the national percentage (Table 4:4). Māori and non-Māori women in the Bay of Plenty DHB also have higher coverage rates than those observed nationally.

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

DHB	Māori	non-Māori	Total
Bay of Plenty DHB	56.4%	82.7%	89.4%
New Zealand	54.4%	75.5%	72.6%

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Appendix 1

Demographic Tables

Table 1.1.1. Projected	Total Population	by Age and Sex at 30 June	2007 (2006-Base)

Location Age Group			2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	006-2026
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	22,810	21,560	44,370	23,140	21,730	44,880	23,340	21,990	45,330	23,960	22,640	46,600	24,040	22,750	46,800	5.4	5.5	5.5
Bay of	15-64	60,310	64,310	124,600	64,930	68,690	133,600	66,960	70,480	137,440	68,940	71,820	140,750	70,880	72,920	143,780	17.5	13.4	15.4
Plenty	65+	14,570	17,250	31,820	17,600	20,580	38,170	20,070	23,120	43,180	23,180	26,720	49,900	26,520	30,750	57,280	82.0	78.3	80.0
	Total	97,690	103,120	200,790	105,670	111,000	216,650	110,370	115,590	225,950	116,080	121,180	237,250	121,440	126,420	247,860	24.3	22.6	23.4
	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	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	590	570	1,160	660	630	1,290	660	630	1,280	660	630	1,290	680	650	1,340	15.3	14.0	15.5
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 1.1.3: Projected Total Population Aged 1-4 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
Bay of Plenty	5,640	5,270	10,910	6,230	5,870	12,100	6,090	5,770	11,860	6,140	5,820	11,960	6,260	5,930	12,200	11.0	12.5	11.8
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		% Populati	ion Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	7,650	7,170	14,820	7,550	7,090	14,640	8,120	7,630	15,750	7,990	7,530	15,510	8,060	7,600	15,660	5.4	6.0	5.7
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		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	8,110	7,790	15,900	7,870	7,350	15,230	7,650	7,180	14,830	8,320	7,860	16,180	8,180	7,760	15,940	0.9	0.4	0.3
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)
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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
Bay of Plenty	7,270	6,910	14,180	7,440	6,980	14,420	7,290	6,660	13,950	7,100	6,440	13,540	7,770	7,120	14,890	6.9	3.0	5.0
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 Total Population Aged 20-24 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
Bay of Plenty	4,920	4,840	9,760	6,420	6,060	12,480	6,480	6,030	12,510	6,220	5,640	11,860	6,040	5,420	11,460	22.8	12.0	17.4
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		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	4,820	5,090	9,910	5,570	5,820	11,390	6,660	6,670	13,330	6,960	6,830	13,780	6,700	6,440	13,130	39.0	26.5	32.5
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	5,550	6,300	11,850	5,510	5,830	11,340	5,990	6,300	12,290	7,250	7,340	14,590	7,550	7,500	15,050	36.0	19.0	27.0
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	6,300	7,360	13,660	5,930	6,540	12,470	5,900	6,240	12,140	6,470	6,780	13,260	7,730	7,820	15,550	22.7	6.3	13.8
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	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	7,120	7,740	14,860	6,720	7,780	14,500	6,400	7,150	13,550	6,280	6,610	12,890	6,850	7,150	14,000	- 3.8 -	7.6 -	5.8
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

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	ე6-2026	İ
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	j
Bay of Plenty	6,990	7,610	14,600	7,100	7,870	14,970	6,900	7,970	14,870	6,640	7,400	14,040	6,520	6,880	13,400	- 6.7 -	- 9.6 -	8.2	
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		% Populati	on Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	6,360	6,820	13,170	7,340	7,960	15,290	7,470	8,160	15,630	7,040	8,150	15,190	6,790	7,590	14,380	6.8	11.3	9.2
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)

		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
Bay of Plenty	6,020	6,340	12,350	6,640	7,340	13,970	7,210	7,990	15,200	7,570	8,370	15,930	7,160	8,360	15,520	18.9	31.9	25.7
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
Bay of Plenty	4,960	5,300	10,260	6,260	6,510	12,770	6,660	7,310	13,970	7,410	8,260	15,670	7,770	8,640	16,400	56.7	63.0	59.8
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		% Population	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	4,540	5,020	9,560	5,350	5,790	11,140	6,300	6,700	13,000	6,760	7,390	14,150	7,500	8,320	15,820	65.2	65.7	65.5
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	3,670	3,890	7,560	4,590	5,120	9,710	4,950	5,360	10,310	6,100	6,580	12,680	6,570	7,260	13,830	79.0	86.6	82.9
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
Bay of Plenty	3,160	3,460	6,620	3,350	3,740	7,100	3,970	4,590	8,560	4,490	4,980	9,470	5,540	6,130	11,670	75.3	77.2	76.3
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	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	2,020	2,670	4,690	2,490	2,960	5,440	2,610	3,070	5,670	3,210	3,960	7,170	3,670	4,330	8,000	81.7	62.2	70.6
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	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	890	1,450	2,340	1,310	1,890	3,200	1,570	2,090	3,660	1,720	2,260	3,980	2,190	2,950	5,150	146.1	103.4	120.1
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
Bay of Plenty	290	760	1,050	510	1,080	1,580	670	1,310	1,980	900	1,550	2,450	1,050	1,760	2,810	262.1	131.6	167.6
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	97,700	103,100	200,800	105,700	111,000	216,700	110,400	115,600	226,000	116,100	121,200	237,200	121,400	126,400	247,900	24.3	22.6	23.5
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	8,900	8,440	17,350	9,380	8,830	18,210	9,690	9,160	18,840	10,110	9,590	19,700	10,130	9,590	19,740	13.8	13.6	13.8
Bay of	15-64	14,180	15,470	29,650	15,400	16,780	32,190	16,130	17,510	33,610	16,850	18,070	34,920	17,840	18,890	36,720	25.8	22.1	23.8
Plenty	65+	1,160	1,410	2,580	1,370	1,710	3,080	1,670	2,010	3,670	2,050	2,560	4,620	2,580	3,240	5,830	122.4	129.8	126.0
	Total	24,240	25,320	49,580	26,150	27,320	53,480	27,490	28,680	56,120	29,010	30,220	59,240	30,550	31,720	62,290	26.0	25.3	25.6
	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)

Tubic 1.2.2.	Tojected Wide	m r opalation	riged o rear	o by ock at so	Jane 2007 (20	oo 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
Bay of Plenty	590	570	1,160	660	630	1,290	660	630	1,280	660	630	1,290	680	650	1,340	15.3	14.0	15.5
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)

	. rojecteu mac		0	,		(,												
		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
Bay of Plenty	2,270	2,150	4,420	2,700	2,580	5,280	2,660	2,530	5,190	2,640	2,520	5,160	2,700	2,570	5,270	18.9	19.5	19.2
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	3,000	2,800	5,810	3,030	2,860	5,890	3,450	3,260	6,710	3,390	3,210	6,600	3,380	3,190	6,580	12.7	13.9	13.3
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
Bay of Plenty	3,040	2,920	5,960	2,990	2,760	5,750	2,920	2,740	5,660	3,420	3,230	6,650	3,370	3,180	6,550	10.9	8.9	9.9
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-Baca)

		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
Bay of Plenty	2,520	2,450	4,970	2,790	2,670	5,460	2,760	2,520	5,270	2,700	2,490	5,190	3,180	2,960	6,140	26.2	20.8	23.5
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 Aged 20-24 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
Bay of Plenty	1,640	1,680	3,320	2,220	2,130	4,350	2,390	2,290	4,680	2,340	2,130	4,470	2,280	2,110	4,390	39.0	25.6	32.2
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		% Populati	on Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	1,490	1,670	3,160	1,490	1,570	3,070	1,940	1,960	3,890	2,230	2,180	4,410	2,180	2,020	4,190	46.3	21.0	32.6
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	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	1,490	1,810	3,310	1,380	1,620	3,000	1,400	1,540	2,940	1,870	1,940	3,810	2,160	2,160	4,320	45.0	19.3	30.5
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		% Populati	on Change 20)06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	1,470	1,750	3,220	1,410	1,700	3,120	1,360	1,630	2,980	1,360	1,520	2,880	1,820	1,930	3,740	23.8	10.3	16.1
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
Bay of Plenty	1,540	1,730	3,270	1,410	1,770	3,180	1,380	1,750	3,130	1,310	1,600	2,910	1,310	1,500	2,810	- 14.9 -	13.3 -	14.1
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 Maori Population Aged 45-	19 Vears by Sev 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
Bay of Plenty	1,420	1,570	2,980	1,390	1,680	3,070	1,340	1,660	3,000	1,320	1,710	3,030	1,250	1,550	2,810	- 12.0 -	1.3 -	5.7
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	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	1,100	1,240	2,340	1,400	1,510	2,910	1,390	1,620	3,010	1,280	1,600	2,880	1,260	1,660	2,920	14.5	33.9	24.8
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 1.2.14: Projected Māori Population Aged 55-59 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
Bay of Plenty	920	930	1,850	1,050	1,240	2,290	1,250	1,440	2,690	1,300	1,550	2,850	1,200	1,540	2,740	30.4	65.6	48.1
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 2	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	590	640	1,230	860	890	1,740	920	1,100	2,020	1,140	1,350	2,490	1,200	1,460	2,660	103.4	128.1	116.3
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
Bay of Plenty	520	600	1,120	510	630	1,140	720	780	1,500	820	1,010	1,830	1,030	1,240	2,270	98.1	106.7	102.7
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		% Populati	on Change 20	J06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	340	380	720	450	510	960	420	500	920	610	680	1,290	700	890	1,590	105.9	134.2	120.8
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	ion Change 20	306-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	190	240	430	260	300	560	320	410	730	330	410	740	480	560	1,050	152.6	133.3	144.2
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	ion Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	80	120	210	120	190	310	160	210	360	210	300	510	230	300	530	187.5	150.0	152.4
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)

	1 Tojecteu Wie	2006(Base)	0	, , , , , , , , , , , , , , , , , , , ,	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
Bay of Plenty	30	50	80	20	60	80	40	80	120	60	110	180	100	170	270	233.3	240.0	237.5
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)	U	,	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
Bay of Plenty	-	20	20	10	20	30	10	30	40	20	50	70	40	80	120	/	300.0	500.0
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	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	24,300	25,300	49,600	26,200	27,300	53,500	27,500	28,700	56,100	29,000	30,200	59,200	30,600	31,700	62,300	25.9	25.3	25.6
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 Population by Age and Sex at 30 June 2007	(2006-Bace)	

Location	Age Group		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	006-2026
Location	Age Group	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
	0-14	13,910	96,370	197,960	110,520	105,330	215,860	116,340	110,830	227,190	123,070	117,160	240,220	122,160	116,270	238,410	778.2	20.6	20.4
Bay of	15-64	46,130	184,230	353,670	185,080	198,800	383,850	194,100	206,930	401,070	203,630	215,160	418,790	218,910	227,710	446,630	374.6	23.6	26.3
Plenty	65+	13,410	12,600	23,130	13,970	16,810	30,780	17,250	20,960	38,210	22,100	26,960	49,040	28,250	35,090	63,320	110.7	178.5	173.8
	Total	73,450	293,200	574,760	309,570	320,940	630,490	327,690	338,720	666,470	348,800	359,280	708,050	369,320	379,070	748,360	402.8	29.3	30.2
	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(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
Bay of Plenty	820	760	1,580	830	790	1,620	820	780	1,610	850	800	1,660	860	810	1,660	4.9	6.6	5.1
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 (2006-Base)

140.6 1.0.0.	.,	2006(Base)		,	2012	,		2016			2021			2026		0/ Donulati	on Change 20	206 2026
		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	JU0-2U20
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	3,370	3,120	6,490	3,530	3,290	6,820	3,430	3,240	6,670	3,500	3,300	6,800	3,560	3,360	6,930	5.6	7.7	6.8
New Zealand	86,670	83,140	169,810	93,180	87,510	180,690	90,620	85,820	176,430	90,160	85,380	175,550	89,980	85,200	175,180	3.8	2.5	3.2

Table 1.3.4: Projected Non Māori Population Aged 5-9 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
Bay of Plenty	4,650	4,370	9,010	4,520	4,230	8,750	4,670	4,370	9,040	4,600	4,320	8,910	4,680	4,410	9,080	0.6	0.9	0.8
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 (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
Bay of Plenty	5,070	4,870	9,940	4,880	4,590	9,480	4,730	4,440	9,170	4,900	4,630	9,530	4,810	4,580	9,390	- 5.1 -	- 6.0 -	5.5
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 Year	s by Sex at 30 Juni	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
Bay of Plenty	4,750	4,460	9,210	4,650	4,310	8,960	4,530	4,140	8,680	4,400	3,950	8,350	4,590	4,160	8,750	- 3.4 -	6.7 -	- 5.0
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

Table 1.3.7: Projected Non Māori Population Aged 20-24 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
Bay of Plenty	3,280	3,160	6,440	4,200	3,930	8,130	4,090	3,740	7,830	3,880	3,510	7,390	3,760	3,310	7,070	14.6	4.7	9.8
New Zealand	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	3.0

Table 1.3.8: Projected Non Māori Population Aged 25-29 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
Bay of Plenty	3,330	3,420	6,750	4,080	4,250	8,320	4,720	4,710	9,440	4,730	4,650	9,370	4,520	4,420	8,940	35.7	29.2	32.4
New Zealand	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	18.5

Table 1.3.9: Projected Non Māori Population Aged 30-34 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
Bay of Plenty	4,060	4,490	8,540	4,130	4,210	8,340	4,590	4,760	9,350	5,380	5,400	10,780	5,390	5,340	10,730	32.8	18.9	25.6
New Zealand	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	17.8

Table 1.3.10: Projected Non Māori Population Aged 35-39 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
Bay of Plenty	4,830	5,610	10,440	4,520	4,840	9,350	4,540	4,610	9,160	5,110	5,260	10,380	5,910	5,890	11,810	22.4	5.0	13.1
New Zealand	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	7.3

Table 1.3.11: Projected Non Māori Population Aged 40-44 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Population	on Change 20	J6-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	5,580	6,010	11,590	5,310	6,010	11,320	5,020	5,400	10,420	4,970	5,010	9,980	5,540	5,650	11,190	- 0.7 -	6.0 -	3.5
New Zealand	136,770	145,180	281,960	132,310	143,980	276,290	122,510	133,690	256,210	120,100	126,950	247,050	137,440	139,430	276,880	0.5	4.0 -	1.8

Table 1 3 12: Projected	Non Māori Population	Aged 45-49 Years by S	ex at 30 June 2007 (20	106-Rase1

		2006(Base)			2012			2016			2021			2026		% Populati	ion Change 20	06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	5,570	6,040	11,620	5,710	6,190	11,900	5,560	6,310	11,870	5,320	5,690	11,010	5,270	5,330	10,590	- 5.4 -	- 11.8 -	8.9
New Zealand	132,360	137,450	269,810	134,800	143,200	278,000	131,610	142,740	274,340	122,310	133,380	255,680	119,970	126,730	246,710	- 9.4 -	- 7.8 -	8.6

Table 1.3.13: Projected Non 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
Bay of Plenty	5,260	5,580	10,830	5,940	6,450	12,380	6,080	6,540	12,620	5,760	6,550	12,310	5,530	5,930	11,460	5.1	6.3	5.8
New Zealand	117,000	119,790	236,790	133,190	139,210	272,400	134,760	142,840	277,600	129,460	140,770	270,240	120,340	131,560	251,910	2.9	9.8	6.4

Table 1.3.14: Projected Non Māori Population Aged 55-59 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
Bay of Plenty	5,100	5,410	10,500	5,590	6,100	11,680	5,960	6,550	12,510	6,270	6,820	13,080	5,960	6,820	12,780	16.9	26.1	21.7
New 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 Non Māori Population Aged 60-64 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
Bay of Plenty	4,370	4,660	9,030	5,400	5,620	11,030	5,740	6,210	11,950	6,270	6,910	13,180	6,570	7,180	13,740	50.3	54.1	52.2
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 Non 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
Bay of Plenty	4,020	4,420	8,440	4,840	5,160	10,000	5,580	5,920	11,500	5,940	6,380	12,320	6,470	7,080	13,550	60.9	60.2	60.5
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 1.3.17: Projected Non Māori Population Aged 70-74 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
Bay of Plenty	3,330	3,510	6,840	4,140	4,610	8,750	4,530	4,860	9,390	5,490	5,900	11,390	5,870	6,370	12,240	76.3	81.5	78.9
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 1.3.18: Projected Non Māori Population Aged 75-79 Years by Sex at 30 June 2007 (2006-Base)

		2006(Base)			2012			2016			2021			2026		% Populati	on Change 20	ე06-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	2,970	3,220	6,190	3,090	3,440	6,540	3,650	4,180	7,830	4,160	4,570	8,730	5,060	5,570	10,620	70.4	73.0	71.6
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

Table 1.3.19: Projected Non Māori Population Aged 80-84 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
Bay of Plenty	1,940	2,550	4,480	2,370	2,770	5,130	2,450	2,860	5,310	3,000	3,660	6,660	3,440	4,030	7,470	77.3	58.0	66.7
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 Non Māori Population Aged 85-89 Years by Sex at 30 June 2007 (2006-Base)

	110,000.00	2006(Base)			2012	,	•	2016			2021			2026		% Populati	ion Change 20	006-2026
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Bay of Plenty	860	1,400	2,260	1,290	1,830	3,120	1,530	2,010	3,540	1,660	2,150	3,800	2,090	2,780	4,880	143.0	98.6	115.9
New Zealand	12,880	25,390	38,270	18,800	30,210	49,000	22,090	31,810	53,910	23,840	32,800	56,640	30,730	41,000	71,730	138.6	61.5	87.4

Table 1.3.21: Projected Non Māori Population Aged 90+ Years by Sex at 30 June 2007 (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
Bay of Plenty	290	740	1,030	500	1,060	1,550	660	1,280	1,940	880	1,500	2,380	1,010	1,680	2,690	248.3	127.0	161.2
New Zealand	4,970	13,880	18,860	7,320	17,400	24,720	9,600	20,140	29,740	12,710	22,810	35,510	14,910	24,740	39,650	200.0	78.2	110.2

Table 1.3.22: Projected Non Māori Population 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
Bay of Plenty	73,400	77,800	151,200	79,500	83,700	163,200	82,900	86,900	169,900	87,100	91,000	178,000	90,800	94,700	185,600	23.7	21.7	22.8
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
Pay of Blooty	Number	6,873	7,500	8,019	6,879	4,608	4,569	5,343	6,177	6,906
Bay of Plenty Pe	Percentage	7.3	7.9	8.5	7.3	4.9	4.8	5.6	6.5	7.3
Now Zoaland	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
Bay of Plenty	Number	6,804	6,135	5,787	4,863	4,356	3,582	3,093	1,971	1,164	94,629
	Percentage	7.2	6.5	6.1	5.1	4.6	3.8	3.3	2.1	1.2	
New Zeelend	Number	143,055	124,311	115,224	88,338	72,114	55,878	46,356	29,124	17,667	1,965,618
New Zealand	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
Bay of Plenty	Number	6,453	7,035	7,734	6,525	4,599	4,860	6,222	7,200	7,566
bay of Fielity	Percentage	6.4	7.0	7.7	6.5	4.6	4.8	6.2	7.2	7.5
New Zealand	Number	134,694	139,956	148,896	147,762	135,894	125,223	145,677	158,553	162,798
New Zealanu	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
Bay of Plenty	Number	7,452	6,552	6,183	5,190	4,782	3,795	3,396	2,628	2,127	100,302
Bay of Pleffty	Percentage	7.4	6.5	6.2	5.2	4.8	3.8	3.4	2.6	2.1	
New Zeelend	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
Bay of Plenty	Number	13,326	14,532	15,753	13,404	9,207	9,426	11,568	13,377	14,469
bay of Pleffity	Percentage	6.8	7.5	8.1	6.9	4.7	4.8	5.9	6.9	7.4
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,698
INEW Zealallu	Percentage	6.8	7.1	7.6	7.5	6.7	6.0	6.9	7.5	7.8

		45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Bay of Plenty	Number	14,253	12,687	11,970	10,053	9,141	7,377	6,492	4,602	3,294	194,931
bay of Pleffty	Percentage	7.3	6.5	6.1	5.2	4.7	3.8	3.3	2.4	1.5	
Now Zoolond	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)		Mā	ori			Non-N	∕lāori			Total peopl	e stated**		Tota	l people, not else	ewhere included	d***	Total p	people
	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of Plenty	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	2,526	41.1	32,355	25.1	3,615	58.9	96,579	74.9	6,141	95.2	128,934	95.7	312	4.8	5,760	4.3	6,453	134,697
5–9	2,625	39.0	32,544	24.2	4,104	61.0	101,832	75.8	6,729	95.7	134,376	96.0	306	4.3	5,577	4.0	7,035	139,956
10-14	2,763	37.2	32,379	22.6	4,659	62.8	110,901	77.4	7,422	96.0	143,280	96.2	309	4.0	5,613	3.8	7,731	148,896
15-19	2,199	35.2	29,502	20.8	4,047	64.8	112,365	79.2	6,246	95.7	141,867	96.0	279	4.3	5,895	4.0	6,525	147,759
20-24	1,497	34.2	22,434	17.4	2,886	65.8	106,608	82.6	4,383	95.3	129,042	95.0	219	4.8	6,849	5.0	4,599	135,891
25-29	1,545	33.4	20,529	17.2	3,075	66.6	98,604	82.8	4,620	95.1	119,133	95.1	237	4.9	6,090	4.9	4,860	125,226
30-34	1,719	28.9	21,384	15.3	4,236	71.1	118,290	84.7	5,955	95.7	139,674	95.9	270	4.3	6,000	4.1	6,222	145,677
35-39	1,626	23.5	20,790	13.6	5,295	76.5	131,550	86.4	6,921	96.1	152,340	96.1	279	3.9	6,210	3.9	7,200	158,553
40-44	1,617	22.3	19,905	12.7	5,631	77.7	136,773	87.3	7,248	95.8	156,678	96.2	318	4.2	6,120	3.8	7,563	162,798
45-49	1,482	20.7	16,926	11.7	5,676	79.3	127,536	88.3	7,158	96.1	144,462	96.1	294	3.9	5,907	3.9	7,452	150,369
50-54	1,134	18.1	12,597	10.2	5,142	81.9	110,826	89.8	6,276	95.8	123,423	96.1	276	4.2	4,998	3.9	6,552	128,421
55-59	855	14.4	9,762	8.6	5,070	85.6	104,037	91.4	5,925	95.8	113,799	96.2	261	4.2	4,548	3.8	6,183	118,347
60-64	597	11.9	6,717	7.6	4,401	88.1	81,159	92.4	4,998	96.3	87,876	96.3	192	3.7	3,405	3.7	5,190	91,278
65-69	540	11.7	5,310	7.2	4,059	88.3	68,244	92.8	4,599	96.2	73,554	96.2	186	3.9	2,880	3.8	4,782	76,434
70-74	342	9.3	3,471	5.9	3,318	90.7	55,368	94.1	3,660	96.4	58,839	96.4	135	3.6	2,217	3.6	3,795	61,059
75-79	228	7.0	2,190	4.1	3,030	93.0	50,607	95.9	3,258	95.9	52,797	96.2	141	4.1	2,058	3.8	3,399	54,855
80-84	108	4.3	1,074	2.6	2,427	95.7	40,437	97.4	2,535	96.5	41,511	96.3	93	3.5	1,605	3.7	2,628	43,116
85 and over	66	3.2	609	1.6	2,013	96.8	37,002	98.4	2,079	97.6	37,611	96.4	48	2.3	1,389	3.6	2,130	39,000
Total	23,472	24.4	290,469	14.7	72,675	75.6	1,688,736	85.3	96,147	95.9	1,979,205	96.0	4,155	4.1	83,124	4.0	100,305	2,062,326

Table 1.4.5: Male Population by Ethnicity (2006 Census)

Age Group (years)		Mā	iori			Non-N	Māori			Total peopl	e stated**		Total	people, not else	ewhere included	d***	Total p	people
	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Ze	ealand	Bay of	Plenty	New Z	ealand	Bay of Plenty	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	2,658	40.6	34,071	25.3	3,888	59.4	100,671	74.7	6,546	95.2	134,742	96.0	327	4.8	5,640	4.0	6,873	140,382
5-9	2,838	39.5	34,230	24.2	4,353	60.5	106,974	75.8	7,191	95.9	141,204	96.4	312	4.2	5,331	3.6	7,500	146,535
10-14	2,886	37.5	34,347	22.7	4,815	62.5	117,129	77.3	7,701	96.0	151,476	96.4	321	4.0	5,637	3.6	8,019	157,113
15-19	2,220	33.8	29,031	19.9	4,347	66.2	117,156	80.1	6,567	95.5	146,187	95.9	315	4.6	6,252	4.1	6,879	152,436
20-24	1,413	32.4	20,337	16.0	2,943	67.6	107,127	84.0	4,356	94.6	127,464	94.4	249	5.4	7,623	5.6	4,605	135,087
25-29	1,302	30.3	17,577	15.9	2,988	69.7	92,970	84.1	4,290	93.9	110,547	94.3	279	6.1	6,669	5.7	4,569	117,216
30-34	1,326	26.2	18,075	14.5	3,735	73.8	106,272	85.5	5,061	94.7	124,347	95.0	279	5.2	6,540	5.0	5,343	130,884
35-39	1,362	23.2	17,808	13.1	4,509	76.8	118,554	86.9	5,871	95.0	136,362	95.4	306	5.0	6,639	4.6	6,177	143,001
40-44	1,416	21.6	17,367	12.0	5,154	78.4	126,945	88.0	6,570	95.1	144,312	95.6	336	4.9	6,588	4.4	6,906	150,900
45-49	1,299	20.1	14,979	10.9	5,172	79.9	122,079	89.1	6,471	95.1	137,058	95.8	330	4.9	5,994	4.2	6,804	143,055
50-54	1,017	17.2	11,595	9.7	4,881	82.8	107,670	90.3	5,898	96.1	119,265	95.9	237	3.9	5,046	4.1	6,135	124,308
55-59	825	14.9	8,868	8.0	4,722	85.1	101,742	92.0	5,547	95.9	110,610	96.0	237	4.1	4,614	4.0	5,787	115,224
60-64	552	11.8	6,096	7.2	4,140	88.2	78,822	92.8	4,692	96.5	84,918	96.1	171	3.5	3,420	3.9	4,863	88,335
65-69	471	11.2	4,848	7.0	3,726	88.8	64,494	93.0	4,197	96.3	69,342	96.2	162	3.7	2,769	3.8	4,356	72,114
70-74	312	9.1	3,039	5.7	3,135	90.9	50,718	94.3	3,447	96.2	53,757	96.2	135	3.8	2,121	3.8	3,582	55,878
75-79	168	5.6	1,620	3.6	2,808	94.4	42,957	96.4	2,976	96.3	44,577	96.2	114	3.7	1,782	3.8	3,090	46,359
80-84	75	3.9	693	2.5	1,842	96.1	27,219	97.5	1,917	97.3	27,912	95.8	54	2.7	1,212	4.2	1,971	29,124
85 and over	30	2.7	279	1.7	1,095	97.3	16,599	98.3	1,125	96.4	16,878	95.5	42	3.6	789	4.5	1,167	17,667
Total	22,173	24.5	274,860	14.6	68,250	75.5	1,606,098	85.4	90,423	95.6	1,880,958	95.7	4,203	4.4	84,660	4.3	94,629	1,965,621

Table 1.4.6: Total Population by Ethnicity (2006 Census)

Age Group (years)		Mā	iori			Non N	Иāori			Total people	e stated**		Tota	l people, not else	ewhere include	d***	Total	people
	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of	Plenty	New Z	ealand	Bay of Plenty	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0-4	5,187	40.9	66,426	25.2	7,497	59.1	197,250	74.8	12,684	95.2	263,676	95.9	639	4.8	11,400	4.1	13,326	275,079.0
5–9	5,466	39.3	66,774	24.2	8,451	60.7	208,806	75.8	13,917	95.8	275,580	96.2	618	4.3	10,908	3.8	14,532	286,488.0
10-14	5,652	37.4	66,726	22.6	9,471	62.6	228,030	77.4	15,123	96.0	294,756	96.3	630	4.0	11,253	3.7	15,753	306,009.0
15-19	4,419	34.5	58,533	20.3	8,394	65.5	229,521	79.7	12,813	95.6	288,054	96.0	594	4.4	12,144	4.0	13,404	300,198.0
20-24	2,910	33.3	42,771	16.7	5,829	66.7	213,735	83.3	8,739	94.9	256,506	94.7	468	5.1	14,472	5.3	9,207	270,978.0
25-29	2,847	31.9	38,106	16.6	6,066	68.1	191,577	83.4	8,913	94.5	229,683	94.7	516	5.5	12,759	5.3	9,429	242,442.0
30-34	3,045	27.6	39,459	14.9	7,971	72.4	224,562	85.1	11,016	95.3	264,021	95.5	552	4.8	12,540	4.5	11,565	276,561.0
35-39	2,988	23.4	38,598	13.4	9,807	76.6	250,104	86.6	12,795	95.6	288,702	95.7	585	4.4	12,852	4.3	13,377	301,554.0
40-44	3,033	22.0	37,272	12.4	10,782	78.0	263,718	87.6	13,815	95.5	300,990	95.9	654	4.5	12,708	4.1	14,469	313,698.0
45-49	2,778	20.4	31,908	11.3	10,851	79.6	249,612	88.7	13,629	95.6	281,520	95.9	627	4.4	11,901	4.1	14,256	293,421.0
50-54	2,148	17.6	24,192	10.0	10,023	82.4	218,496	90.0	12,171	95.9	242,688	96.0	513	4.0	10,044	4.0	12,687	252,732.0
55-59	1,680	14.6	18,630	8.3	9,792	85.4	205,779	91.7	11,472	95.8	224,409	96.1	498	4.2	9,162	3.9	11,973	233,574.0
60-64	1,152	11.9	12,816	7.4	8,541	88.1	159,975	92.6	9,693	96.4	172,791	96.2	363	3.6	6,825	3.8	10,053	179,616.0
65-69	1,014	11.5	10,158	7.1	7,779	88.5	132,741	92.9	8,793	96.2	142,899	96.2	348	3.8	5,646	3.8	9,138	148,548.0
70-74	657	9.2	6,510	5.8	6,450	90.8	106,086	94.2	7,107	96.3	112,596	96.3	270	3.7	4,338	3.7	7,377	116,934.0
75-79	396	6.4	3,807	3.9	5,838	93.6	93,567	96.1	6,234	96.1	97,374	96.2	255	3.9	3,840	3.8	6,489	101,214.0
80-84	183	4.1	1,764	2.5	4,272	95.9	67,659	97.5	4,455	96.8	69,423	96.1	147	3.2	2,814	3.9	4,602	72,240.0
85 and over	96	3.0	888	1.6	3,108	97.0	53,604	98.4	3,204	97.3	54,492	96.2	90	2.7	2,178	3.8	3,294	56,670.0
Total	45,642	24.5	565,326	14.6	140,928	75.5	3,294,837	85.4	186,570	95.7	3,860,163	95.8	8,361	4.3	167,784	4.2	194,931	4,027,947.0

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
Bay of Plenty	Number	157,767	3,204	1,224	12,927	2,715	1,149	3,696	2,562	27,477	9,684	194,931
bay of Fielity	Percentage	80.9	1.4	0.6	6.6	1.5	0.6	1.9	1.4	14.1	5.0	
New Zealand	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	1.5	0.7	6.2	2.1	21.8	4.7	

All figures are for the census usually resident population.

(1) Includes Australian Territories.

^{*} 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.

^{**}Percentage for 'Total People Stated' and 'Total People not Included Elsewhere' uses 'Total Population as the Denominator

^{***&#}x27;Total People not included elsewhere refers to all those who did not state an ethnicity

⁽²⁾ 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
Bay of Plenty	Number	40,269	71,457	5,730	11,667	9,930	12,261	151,320
bay of Fielity	Percentage	26.6	47.2	3.8	7.7	6.6	8.1	
New Zealand	Number	991,323	1,414,533	108,225	222,138	174,813	249,336	3,160,371
INCW Zealallu	Percentage	31.4	44.8	3.4	7.0	5.5	7.9	·

⁽¹⁾ 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)

							Social Ma	rital Status					
			Parti	nered				Non-pa	irtnered				
Location	Unit	Partnered, not further defined ⁽²⁾	Spouse ⁽³⁾	Other partnership ⁽⁴⁾	Total partnered	Non-partnered, not further defined	Non-partnered, never married and never joined in a civil union	Non-partnered, separated ⁽⁵⁾	Non-partnered, divorced	Non-partnered, widowed or bereaved civil union partner	Total non- partnered	Not stated	Total
Bay of Plenty	Number	2,682	70,041	18,714	91,437	3,945	26,571	4,152	6,927	8,244	49,845	10,038	151,317
bay of Fielity	Percentage	2.9	76.6	20.5	64.7	7.9	53.3	8.3	13.9	16.5	35.3		
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
INEW Zealanu	Percentage	2.7	76.3	21.0	61*	7.6	60.6	6.9	12.0	12.9	39*		

^{* %} 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
Bay of Plenty	Number	23,793	20,109	10,275	54,180
bay of Fielity	Percentage	43.9	37.1	19.0	
New Zealand	Number	425,973	447,894	193,635	1,067,502
INEW Zealallu	Percentage	39.9	42.0	18.1	

⁽¹⁾ 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.

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

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

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

⁽²⁾ 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/.

⁽³⁾ Applies only to married people, not those in civil unions.

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

⁽⁵⁾ 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
Bay of Plenty	Number	50,694	1,608	87	2,739	16,257	1,305	72,699
bay of Fielity	Percentage	69.7	2.2	0.1	3.8	22.4	1.6	
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	

⁽¹⁾ 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)

					Numb	er of Languages Sp	ooken			
Location	Unit	None	One	Two	Three	Four	Five	Six	Not elsewhere included(2)	Total
Bay of Plenty	Number	3,231	157,209	21,777	2,115	753	156	60	9,639	194,931
bay of Fielity	Percentage	1.7	80.6	11.2	1.1	0.4	0.1	0.0	4.9	
New Zealand	Number	75,198	3,083,904	562,446	83,400	19,281	5,055	1,476	197,190	4,027,947
New Zealand	Percentage	1.9	76.6	14.0	2.1	0.5	0.1	0.0	4.9	

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

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

⁽²⁾ Includes Response Unidentifiable, Response Outside Scope and Not Stated.

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

	The critical control of the control	, , , , ,	,	,		Age Group (Ye	ars) of Mother				
Location	Unit	15-	-19	20-	-24	25-	-29	30-	-34	35-	-39
Location	Offic	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
	No children	5,508	32.9	2,775	16.6	1,908	11.4	1,434	8.6	954	5.7
	One child	243	3.1	816	10.3	981	12.4	1,164	14.7	1,077	13.6
	Two children	33	0.2	375	1.9	873	4.5	1,719	8.9	2,427	12.5
	Three children	3	0.0	114	0.8	390	2.7	750	5.2	1,254	8.7
	Four children	-	-	15	0.2	123	1.7	330	4.5	516	7.1
	Five children	-	-	6	0.2	39	1.3	123	4.1	198	6.5
Bay of Plenty	Six or more children	3	0.1	3	0.1	30	1.2	81	3.2	150	5.9
	Object to answering	93	4.0	108	4.6	120	5.2	189	8.1	216	9.3
	Not elsewhere included(2)	636	11.6	384	7.0	393	7.2	429	7.8	408	7.5
	Total	6,525	8.3	4,599	5.8	4,860	6.1	6,222	7.9	7,200	9.1
	No children	127,560	27.7	97,428	21.1	65,100	14.1	46,014	10.0	28,836	6.3
	One child	4,182	2.4	15,777	8.9	21,531	12.2	29,202	16.5	25,065	14.1
	Two children	609	0.2	6,396	1.7	16,230	4.3	34,215	9.1	50,463	13.5
	Three children	69	0.0	1,581	0.6	6,543	2.6	14,490	5.7	24,834	9.8
	Four children	24	0.0	360	0.3	2,202	1.8	5,445	4.5	9,258	7.6
	Five children	9	0.0	72	0.1	717	1.5	1,989	4.0	3,504	7.1
New Zealand	Six or more children	36	0.1	72	0.2	348	0.8	1,266	3.0	2,613	6.1
	Object to answering	2,190	4.8	2,376	5.2	2,538	5.6	3,570	7.8	4,446	9.7
	Not elsewhere included(2)	13,083	11.4	11,832	10.3	10,017	8.8	9,486	8.3	9,534	8.3
	Total	147,762	9.0	135,891	8.3	125,226	7.6	145,674	8.9	158,550	9.7

						Age Group (Ye	ears) of Mother				
Location	Unit	40-	-44	45-	-49	50-	-54	55-	-59	60	-64
Location	Unit	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
	No children	825	4.9	702	4.2	573	3.4	462	2.8	384	2.3
	One child	804	10.1	648	8.2	552	7.0	435	5.5	285	3.6
	Two children	2,574	13.3	2,418	12.5	2,100	10.8	2,007	10.4	1,434	7.4
	Three children	1,563	10.8	1,716	11.9	1,635	11.3	1,548	10.7	1,407	9.8
	Four children	672	9.2	807	11.1	654	9.0	690	9.5	687	9.4
	Five children	267	8.8	264	8.7	255	8.4	270	8.9	276	9.1
Bay of Plenty	Six or more children	156	6.2	189	7.5	153	6.0	180	7.1	222	8.8
	Object to answering	225	9.7	267	11.5	231	9.9	240	10.3	195	8.4
	Not elsewhere included(2)	477	8.7	444	8.1	402	7.3	357	6.5	297	5.4
	Total	7,563	9.6	7,452	9.4	6,555	8.3	6,183	7.8	5,190	6.6
	No children	22,218	4.8	18,129	3.9	13,647	3.0	10,785	2.3	7,362	1.6
	One child	20,712	11.7	16,119	9.1	11,901	6.7	9,288	5.2	5,697	3.2
	Two children	53,691	14.4	48,369	12.9	41,979	11.2	38,571	10.3	26,340	7.0
	Three children	31,185	12.3	32,211	12.7	29,451	11.6	28,899	11.4	23,145	9.1
	Four children	12,384	10.2	13,512	11.1	12,261	10.1	12,141	10.0	11,604	9.6
	Five children	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	3,381	7.9	3,360	7.9	2,871	6.7	2,910	6.8	3,738	8.8
	Object to answering	5,157	11.3	5,001	10.9	4,458	9.8	4,476	9.8	3,351	7.3
	Not elsewhere included(2)	9,495	8.3	9,021	7.9	7,734	6.8	7,056	6.2	5,613	4.9
	Total	162,798	9.9	150,369	9.2	128,421	7.8	118,347	7.2	91,278	5.6

						Age (Group (Years) of M	other				
Location	Lloit	65-	-69	70-	-74	75-	79	80-	-84	85 and	d over	Total
Location	Unit	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number
	No children	279	1.7	249	1.5	261	1.6	207	1.2	222	1.3	16,746
	One child	222	2.8	186	2.3	174	2.2	162	2.0	183	2.3	7,935
	Two children	1,068	5.5	729	3.8	663	3.4	510	2.6	432	2.2	19,356
	Three children	1,326	9.2	915	6.4	777	5.4	594	4.1	414	2.9	14,406
	Four children	831	11.4	705	9.7	576	7.9	405	5.6	273	3.7	7,284
	Five children	324	10.7	348	11.5	303	10.0	222	7.3	135	4.5	3,030
Bay of Plenty	Six or more children	300	11.8	342	13.5	318	12.6	243	9.6	159	6.3	2,532
	Object to answering	153	6.6	96	4.1	87	3.7	54	2.3	48	2.1	2,325
	Not elsewhere included(2)	282	5.2	228	4.2	243	4.4	234	4.3	258	4.7	5,472
	Total	4,782	6.0	3,795	4.8	3,399	4.3	2,631	3.3	2,127	2.7	79,083
	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

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

⁽²⁾ Includes Response Unidentifiable and Not Stated.

C= Confidential

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

						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	child who does	Helping someone who is ill or has a disability who does not live in own household	for or through any organisation,	Total people stated	Total people, not elsewhere included(3)	Total people
Bay of Plenty	Number	8,967	53,478	17,871	4,521	7,905	4,518	9,399	64,404	7,830	72,237
bay or Flerity	Percentage	12.4	74.0	24.7	6.3	10.9	6.3	13.0			
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
TVCVV Zcalaliu	Percentage	12.9	73.8	24.5	5.7	10.2	5.8	12.4			

⁽¹⁾ 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 Acti	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
Bay of Plenty	Number	5,523	64,032	25,659	7,491	15,699	9,210	13,041	71,082	8,001	79,083
bay of Flefity	Percentage	7.0	81.0	32.4	9.5	19.9	11.6	16.5			
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			

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

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

⁽²⁾ 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.

⁽³⁾ Includes Response Unidentifiable and Not Stated.

⁽²⁾ 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.

⁽³⁾ 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 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
Bay of Plenty	Number	14,490	117,513	43,527	12,009	23,604	13,725	22,443	135,486	15,831	151,320
bay of Flerity	Percentage	9.6	77.7	28.8	7.9	15.6	9.1	14.8			
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
INEW Zealallu	Percentage	10.2	77.4	28.4	7.0	14.6	8.2	13.8			

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

⁽²⁾ 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.

⁽³⁾ 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)

Table 1.0.1. I	ignest Qualine	ation damed (2000 cens	usj					
					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
Bay of Plenty	Number	39,000	21,219	12,570	4,881	5,730	7,110	16,596
	Percentage	25.8	14.0	8.3	3.2	3.8	4.7	11.0
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
Bay of Plenty	Number	5,262	8,352	10,218	1,647	1,416	273	17,043	151,317
bay of Pleffity	Percentage	3.5	5.5	6.8	1.1	0.9	0.2	11.3	
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	1.7	0.5	10.4	

⁽¹⁾ 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
Bay of Plenty	Number	882	5,466	9,540	10,887	20,559	14,979	11,778	10,773
Bay of Pleffity	Percentage	0.6	3.6	6.3	7.2	13.6	9.9	7.8	7.1
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 personal 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				
Bay of Plenty	Number	9,384	9,234	11,304	12,309	4,923	3,744	15,555	151,317				
	Percentage	6.2	6.1	7.5	8.1	3.3	2.5	10.3					
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					

⁽¹⁾ 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.

⁽²⁾ 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.

⁽³⁾ Includes Highest Qualification Unidentifiable and Not Stated.

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

Table 1.6.3: Sources of Personal Income (2006 Census)

		Sources of Personal Income											
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					
Bay of Plenty	Number	6,726	77,319	26,673	38,010	2,514	28,398	4,725					
bay of Fielity	Percentage	4.4	51.1	17.6	25.1	1.7	18.8	3.1					
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				
Bay of Plenty	Number	4,512	3,747	5,766	3,546	2,100	5,028	2,550	9,468	151,317				
bay of Pleffty	Percentage	3.0	2.5	3.8	2.3	1.4	3.3	1.7	6.3					
New Zealand	Number	92,169	70,554	93,090	75,357	64,284	96,357	66,411	198,135	3,160,371				
New Zealand	Percentage	2.9	2.2	2.9	2.4	2.0	3.0	2.1	6.3					

⁽¹⁾ 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)

	and a series and a												
		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				
Bay of Plenty	Number	67,524	22,047	89,574	5,601	95,172	51,159	4,986	151,320				
Bay of Pleffity	Percentage	75.4	24.6	94.1	5.9	62.9	33.8	3.3					
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					

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

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

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

⁽³⁾ 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		
Bay of Plenty	Number	16,563	14,280	11,616	6,690	10,086	8,412	5,397	11,382	5,142	89,574		
bay of Flerity	Percentage	18.5	15.9	13.0	7.5	11.3	9.4	6.0	12.7	5.7			
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404	1,985,775		
New Zealand	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7			

⁽¹⁾ 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)

	table 21007 recess to relevant marineations (2500 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				
Bay of Plenty	Number	51,342	62,721	19,968	39,945	1,896	69,801	2,898	72,696				
bay of Fielity	Percentage	70.6	86.3	27.5	54.9	2.6	96.0	4.0					
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					

⁽¹⁾ 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					
Bay of Plenty	Number	4,737	27,024	27,648	10,434	2,856	72,696					
Bay of Pleffity	Percentage	6.5	37.2	38.0	14.4	3.9						
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						

⁽¹⁾ All figures are for households in private occupied dwellings.

⁽²⁾ Australian and New Zealand Standard Classification of Occupations (ANZSCO V1.0).

⁽³⁾ Includes Response Unidentifiable, Response Outside Scope and Not Stated.

⁽²⁾ 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.

⁽³⁾ Includes Response Unidentifiable and Not Stated.

⁽²⁾ Includes Response Unidentifiable and Not Stated.

Table 1.6.8: Housing Tenure (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)							
Bay of Plenty	Number	1,470	17,220	17,049	35,739							
bay of Fleffity	Percentage	4.1	48.2	47.7								
New Zealand	Number	26,529	405,267	312,162	743,955							
ivew Zealanu	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)
Bay of Plenty	Number	366	18,309	3,087	21,765
bay of Pleffity	Percentage	1.7	84.1	14.2	
New Zealand	Number	6,315	388,275	57,378	451,965
New Zealallu	Percentage	1.4	85.9	12.7	

			Housing Tenure											
		Dv	welling held in a family t											
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 ⁽³⁾	Total							
Bay of Plenty	Number	885	4,317	5,430	10,632	4,563	72,696							
Bay Of Pleffity	Percentage	8.3	40.6	51.1										
New Zealand	Number	13,386	72,828	81,711	167,925	90,333								
	Percentage	8.0	43.4	48.7										

^{(1) &#}x27;Tenure of household' refers to the nature of the occupancy of a household in a private dwelling, at the time of the survey. It does not refer to the tenure of the land on which the dwelling is situated.

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

⁽²⁾ Information on family trusts was first collected in 2006.

⁽³⁾ Includes Response Unidentifiable and Not Stated

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

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
Bay of Plenty	Female	219.0	59.5 - 378.4	64.2	14.8 - 113.5	94.2	41.6 - 146.9
	Male	333.7	128.5 - 538.8	134.3	58.8 - 209.8	170.1	97.9 - 242.4
	Total	273.7	145.2 - 402.3	98.4	53.5 - 143.3	131.0	86.7 - 175.4
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	
Bay of Plenty	Female	94.9	0.2 - 189.6	31.1	11.1 - 51.0	39.5	17.7 - 61.3	
	Male	150.6	19.0 - 282.3	61.4	29.0 - 93.8	75.1	41.6 - 108.5	
	Total	123.2	42.6 - 203.7	45.5	26.9 - 64.2	56.5	36.9 - 76.1	
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	
Bay of Plenty	Female	86.7	27.2 - 146.2	26.8	17.5 - 36.0	34.4	23.0 - 45.9	
	Male	204.1	102.1 - 306.0	83.1	58.6 - 107.7	99.9	75.0 - 124.8	
	Total	143.6	85.8 - 201.4	53.2	40.6 - 65.9	65.3	52.0 - 78.6	
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	
Bay of Plenty	Female	46.5	1.7 - 91.4	23.0	10.6 - 35.5	26.0	14.1 - 37.9	
	Male	28.1	-8.3 - 64.6	23.5	12.2 - 34.8	24.7	13.8 - 35.7	
	Total	39.1	9.1 - 69.2	23.4	15.0 - 31.8	25.6	17.5 - 33.7	
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
Bay of Plenty	Female	110.7	3.4 - 218.0	54.1	20.7 - 87.5	62.3	30.1 - 94.4
	Male	144.0	13.9 - 274.1	68.9	33.3 - 104.5	79.5	43.9 - 115.0
	Total	125.5	42.7 - 208.4	60.8	36.5 - 85.1	70.1	46.2 - 94.0
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
Bay of Plenty	Female	93.3	27.5 - 159.0	17.1	6.0 - 28.1	27.7	14.1 - 41.2
	Male	84.4	19.2 - 149.7	24.6	11.6 - 37.6	31.8	18.1 - 45.4
	Total	88.5	42.5 - 134.5	20.5	12.0 - 28.9	29.4	19.8 - 39.0
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
Bay of Plenty	Female	28.9	-6.2 - 64.0	25.9	9.7 - 42.2	25.7	11.5 - 39.8
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
Bay of Plenty	Male	23.0	-11.4 - 57.4	19.1	9.7 - 28.5	19.3	10.4 - 28.3
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
Bay of Plenty	Female	17.2	-13.7 - 48.1	2.5	-2.9 - 8.0	5.5	-2.7 - 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	
Bay of Plenty	Female	14.4	-9.9 - 38.7	16.6	6.7 - 26.5	16.2	7.2 - 25.1	
	Male	13.5	-12.4 - 39.4	21.8	9.8 - 33.8	21.1	10.2 - 32.1	
	Total	14.5	-3.7 - 32.7	19.1	11.4 - 26.8	18.5	11.5 - 25.5	
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	
Bay of Plenty	Female	0.0	0.0 - 0.0	7.5	-1.9 - 16.9	6.6	-1.0 - 14.2	
	Male	0.0	0.0 - 0.0	15.7	3.0 - 28.5	14.5	3.2 - 25.8	
	Total	0.0	0.0 - 0.0	11.4	3.5 - 19.2	10.3	3.7 - 17.0	
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	
Bay of Plenty	Female	23.9	-33.0 - 80.7	9.2	-13.3 - 31.6	13.9	-10.1 - 37.8	
	Male	37.8	-37.3 - 112.9	30.4	-14.0 - 74.7	31.9	-5.8 - 69.5	
	Total	30.6	-15.9 - 77.1	19.6	-5.1 - 44.3	22.6	0.5 - 44.7	
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
Bay of Plenty	Female	10.8	-26.4 - 48.1	3.1	-7.1 - 13.3	5.7	-8.5 - 19.9
	Male	26.3	-35.3 - 87.9	22.0	-9.9 - 54.0	24.3	-5.1 - 53.7
	Total	18.0	-16.8 - 52.8	12.3	-4.3 - 28.9	14.7	-1.4 - 30.7
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	
Bay of Plenty	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	
Bay of Plenty	Female	45.9	12.1 - 79.7	0.0	0.0 - 0.0	22.5	8.1 - 36.9	
	Male	73.1	28.9 - 117.3	60.0	31.0 - 89.0	64.5	40.2 - 88.9	
	Total	59.3	31.6 - 87.0	35.5	19.5 - 51.5	43.8	29.6 - 58.1	
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	
Bay of Plenty	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	25.3	6.6 - 44.0	27.3	11.7 - 42.9	
	Total	32.0	11.5 - 52.4	13.0	3.4 - 22.6	19.6	10.1 - 29.0	
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
Bay of Plenty	Female	793.4	747.0 - 839.7	318.0	310.9 - 325.0	361.2	353.6 - 368.9
	Male	1236.6	1170.4 - 1302.7	695.3	682.1 - 708.4	756.4	742.9 - 769.8
	Total	1010.9	971.2 - 1050.6	490.4	483.2 - 497.6	542.3	534.8 - 549.8
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	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
Bay of Plenty	Female	359.2	328.6 - 389.8	213.8	207.9 - 219.7	225.9	219.9 - 231.8
	Male	198.5	172.3 - 224.7	237.9	230.1 - 245.6	237.4	230.0 - 244.9
	Total	299.2	277.9 - 320.5	227.7	222.9 - 232.5	234.0	229.3 - 238.8
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		non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	395.5	361.9 - 429.1	96.5	91.2 - 101.7	124.2	118.4 - 130.0
	Male	606.7	560.3 - 653.2	229.7	221.1 - 238.2	263.6	254.8 - 272.3
	Total	490.7	462.9 - 518.4	157.7	152.8 - 162.6	188.3	183.2 - 193.5
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
Bay of Plenty	Female	212.7	187.9 - 237.5	97.0	91.5 - 102.5	108.5	102.9 - 114.0
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
Bay of Plenty	Male	10.4	-24.0 - 44.8	8.6	-0.8 - 18.0	8.7	-0.2 - 17.7
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
Bay of Plenty	Female	0.0	0.0 - 0.0	13.5	11.5 - 15.5	15.3	13.2 - 17.4
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
Bay of Plenty	Female	104.3	88.0 - 120.7	135.5	129.4 - 141.5	130.8	125.2 - 136.5
	Male	0.0	0.0 - 0.0	167.2	160.3 - 174.0	162.5	156.0 - 169.0
	Total	101.4	88.9 - 113.9	150.0	145.4 - 154.5	145.5	141.3 - 149.8
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
Bay of Plenty	Female	0.0	0.0 - 0.0	22.8	20.6 - 25.0	26.6	24.2 - 28.9
	Male	0.0	0.0 - 0.0	109.6	103.7 - 115.6	100.6	95.3 - 106.0
	Total	0.0	0.0 - 0.0	63.4	60.3 - 66.4	61.0	58.2 - 63.8
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	
Bay of Plenty	Female	527.1	488.5 - 565.6	119.3	114.3 - 124.3	158.2	152.3 - 164.2	
	Male	354.4	316.3 - 392.5	186.6	180.0 - 193.2	199.1	192.5 - 205.8	
	Total	441.1	414.7 - 467.5	148.0	144.0 - 152.0	174.4	170.0 - 178.7	
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

	Bay of Plenty DHB		New Zealand			
	Condition	ASR	Condition	ASR		
Female	Lung cancer	11.1	Breast cancer (female only)	10.7		
	Breast cancer (female only)	10.7	Lung cancer	9.3		
	Motor vehicle accidents	9.9	Ischaemic heart disease	8.1		
	Ischaemic heart disease	6.5	Colorectal cancer	5.9		
	Cerebrovascular diseases	6.3	Diabetes	5.8		
Male	Ischaemic heart disease	30.5	Ischaemic heart disease	27.3		
	Suicide and self-inflicted injuries	21.1	Suicide and self-inflicted injuries	15.7		
	Motor vehicle accidents	20.1	Motor vehicle accidents	12.3		
	Lung cancer	11.3	Lung cancer	10.8		
	Complications of perinatal period	9.2	Diabetes	8.3		
Total	Ischaemic heart disease	18.1	Ischaemic heart disease	17.4		
	Motor vehicle accidents	14.9	Suicide and self-inflicted injuries	10.4		
	Suicide and self-inflicted injuries	12.8	Lung cancer	10.0		
	Lung cancer	11.2	Motor vehicle accidents	8.6		
	Complications of perinatal period	7.6	Diabetes	7.0		

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	51.9	Ischaemic heart disease	51.4
	Lung cancer	35.5	Lung cancer	31.6
	Diabetes	28.7	Diabetes	26.8
	Motor vehicle accidents	21.4	Motor vehicle accidents	17.8
	Suicide and self-inflicted injuries	15.8	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	12.7	Ischaemic heart disease	14.3
	Motor vehicle accidents	11.9	Suicide and self-inflicted injuries	9.3
	Suicide and self-inflicted injuries	10.7	Lung cancer	8.1
	Lung cancer	7.3	Motor vehicle accidents	6.7
	Colorectal cancer	6.3	Colorectal cancer	6.7

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

	Bay of Plenty DHB		New Zealand		
	Condition	ASR	Condition	ASR	
Female	Ischaemic heart disease	359.8	Ischaemic heart disease	418.5	
	Stroke	181.5	Stroke	206.0	
	CORD	166.3	CORD	172.8	
	Colorectal cancer	130.8	Lung cancer	153.4	
	Lung cancer	124.2	Colorectal cancer	131.3	
Male	Ischaemic heart disease	751.0	Ischaemic heart disease	757.4	
	Lung cancer	263.6	Lung cancer	245.3	
	CORD	199.1	CORD	238.4	
	Stroke	196.1	Stroke	207.5	
	Colorectal cancer	162.5	Colorectal cancer	178.9	
Total	Ischaemic heart disease	539.0	Ischaemic heart disease	571.4	
	Stroke	190.3	Stroke	210.0	
	Lung cancer	188.3	CORD	197.9	
	CORD	178.8	Lung cancer	194.3	
	Colorectal cancer	145.5	Colorectal cancer	152.9	

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	1010.9	Ischaemic heart disease	1109.6
	Lung cancer	490.7	Lung cancer	497.3
	Diabetes	462.3	CORD	465.0
	CORD	454.6	Diabetes	389.4
	Stroke	212.5	Stroke	247.1
non-Māori	Ischaemic heart disease	486.9	Ischaemic heart disease	540.1
	Stroke	186.6	Stroke	207.2
	Lung cancer	157.7	CORD	182.8
	CORD	151.0	Lung cancer	175.1
	Colorectal cancer	150.0	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
Bay of Plenty	Female	5470.1	4594.6 - 6345.6	3561.4	3030.0 - 4092.8	4031.4	3586.4 - 4476.4
	Male	5377.6	4497.2 - 6258.0	3957.0	3410.8 - 4503.3	4313.8	3860.1 - 4767.5
	Total	5433.2	4811.9 - 6054.5	3759.4	3378.1 - 4140.7	4173.8	3855.9 - 4491.7
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	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	773.3	477.7 - 1068.8	421.7	302.0 - 541.4	480.2	372.5 - 587.8
	Male	1070.5	701.1 - 1439.9	675.8	531.0 - 820.6	758.0	621.7 - 894.3
	Total	916.8	682.3 - 1151.2	543.0	449.8 - 636.2	613.3	527.1 - 699.6
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	
Bay of Plenty	Female	339.1	213.0 - 465.3	155.2	124.0 - 186.4	184.8	151.4 - 218.2	
	Male	588.1	408.3 - 768.0	502.4	434.5 - 570.3	524.7	460.3 - 589.1	
	Total	458.4	350.4 - 566.5	321.4	285.0 - 357.9	347.0	311.6 - 382.3	
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
Bay of Plenty	Female	251.1	141.9 - 360.4	82.2	58.8 - 105.7	110.2	82.3 - 138.0
	Male	150.3	61.2 - 239.4	103.9	74.7 - 133.0	112.4	84.5 - 140.3
	Total	206.4	134.3 - 278.6	92.9	74.3 - 111.5	111.5	91.8 - 131.3
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
Bay of Plenty	Female	516.3	276.5 - 756.2	385.1	270.7 - 499.4	398.6	302.8 - 494.4
	Male	457.0	224.8 - 689.2	443.0	325.7 - 560.3	437.6	339.2 - 536.0
	Total	488.2	320.6 - 655.9	411.8	329.9 - 493.8	416.7	347.9 - 485.6
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	
Bay of Plenty	Female	159.8	73.5 - 246.2	48.5	28.7 - 68.4	63.4	42.3 - 84.6	
	Male	197.6	96.7 - 298.4	50.6	31.0 - 70.2	68.0	46.9 - 89.2	
	Total	177.1	111.4 - 242.9	49.1	35.2 - 63.0	65.3	50.4 - 80.3	
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
Bay of Plenty	Female	182.6	88.1 - 277.1	113.9	77.2 - 150.6	123.9	90.3 - 157.5
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
Bay of Plenty	Male	64.1	8.2 - 119.9	64.4	44.0 - 84.7	63.0	44.5 - 81.5
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
Bay of Plenty	Female	90.0	18.2 - 161.8	12.6	-1.8 - 27.0	28.9	9.3 - 48.5
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
Bay of Plenty	Female	47.0	0.6 - 93.4	61.3	40.2 - 82.3	60.4	41.2 - 79.5
	Male	30.0	-9.0 - 69.1	73.6	49.8 - 97.3	68.8	48.1 - 89.4
	Total	39.1	8.4 - 69.7	66.9	51.1 - 82.7	64.1	50.1 - 78.1
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	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	39.3	-6.2 - 84.9	139.6	103.1 - 176.1	124.9	94.2 - 155.6
	Male	26.0	-9.4 - 61.5	204.7	160.2 - 249.3	178.8	142.3 - 215.3
	Total	32.7	3.7 - 61.6	170.3	141.7 - 198.9	150.1	126.5 - 173.8
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	non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	1285.9	852.8 - 1718.9	1203.9	903.1 - 1504.7	1236.4	992.5 - 1480.3
	Male	2574.5	1947.7 - 3201.2	2205.1	1805.9 - 2604.3	2317.3	1984.5 - 2650.2
	Total	1913.3	1536.5 - 2290.1	1703.9	1453.8 - 1954.0	1772.7	1566.7 - 1978.7
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
Bay of Plenty	Female	105.1	-9.5 - 219.7	130.7	45.4 - 216.0	123.3	55.1 - 191.4
	Male	92.0	-20.0 - 204.0	103.1	28.5 - 177.7	102.0	39.3 - 164.8
	Total	98.2	18.5 - 178.0	116.7	60.2 - 173.1	112.5	66.3 - 158.8
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
Bay of Plenty	Female	1059.2	893.1 - 1225.2	1264.3	1130.3 - 1398.4	1192.6	1087.9 - 1297.4
	Male	3636.6	3324.9 - 3948.3	3273.8	3063.9 - 3483.8	3393.5	3219.3 - 3567.8
	Total	2347.3	2171.0 - 2523.7	2295.9	2169.9 - 2421.8	2312.5	2210.1 - 2415.0
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		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Bay of Plenty	Female	1503.5	1438.6 - 1568.4	1182.9	1164.5 - 1201.2	1207.7	1190.1 - 1225.3	
	Male	2265.9	2177.6 - 2354.2	2269.3	2241.9 - 2296.6	2292.1	2265.9 - 2318.2	
	Total	1890.7	1836.1 - 1945.3	1688.9	1672.8 - 1705.1	1712.2	1696.8 - 1727.7	
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
Bay of Plenty	Female	1333.4	1272.5 - 1394.2	564.9	554.2 - 575.7	636.2	625.0 - 647.5
	Male	750.5	700.2 - 800.9	783.0	768.2 - 797.8	788.5	774.3 - 802.7
	Total	1091.3	1050.3 - 1132.4	673.0	664.0 - 682.0	713.0	704.0 - 722.0
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
Bay of Plenty	Female	804.7	756.4 - 853.0	164.8	158.0 - 171.7	230.2	222.2 - 238.1
	Male	1150.5	1087.9 - 1213.1	383.6	372.4 - 394.7	445.4	433.9 - 456.8
	Total	962.0	923.2 - 1000.8	265.8	259.4 - 272.2	329.6	322.7 - 336.4
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
Bay of Plenty	Female	536.3	496.4 - 576.3	299.7	289.6 - 309.7	325.4	315.5 - 335.3
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
Bay of Plenty	Male	22.9	-25.3 - 71.0	16.8	4.2 - 29.3	17.3	5.2 - 29.4
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
Bay of Plenty	Female	0.0	0.0 - 0.0	25.2	22.5 - 28.0	30.9	28.0 - 33.8
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	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	203.8	180.0 - 227.6	493.9	481.9 - 505.8	467.9	456.9 - 478.9
	Male	169.7	145.5 - 193.8	525.3	513.2 - 537.3	504.0	492.7 - 515.3
	Total	191.7	174.5 - 209.0	504.8	496.3 - 513.2	481.1	473.3 - 489.0
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	ı	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	169.1	146.7 - 191.4	651.8	638.3 - 665.2	613.0	600.6 - 625.4
	Male	348.5	313.1 - 384.0	1250.1	1230.4 - 1269.9	1176.2	1158.1 - 1194.3
	Total	247.6	227.8 - 267.4	930.1	918.4 - 941.8	873.9	863.1 - 884.6
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
Bay of Plenty	Female	3354.6	3256.4 - 3452.8	648.0	634.7 - 661.3	904.8	889.3 - 920.2
	Male	3151.8	3045.3 - 3258.2	1012.9	995.8 - 1030.0	1193.1	1175.0 - 1211.1
	Total	3227.2	3156.1 - 3298.3	810.1	799.5 - 820.8	1029.4	1017.6 - 1041.1
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	1	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	271.0	134.5 - 407.5	76.9	28.5 - 125.3	103.5	59.9 - 147.1
	Male	401.0	224.0 - 577.9	96.7	44.4 - 148.9	139.6	89.6 - 189.5
	Total	332.9	222.7 - 443.1	86.1	50.7 - 121.5	120.5	87.6 - 153.4
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
Bay of Plenty	Female	62.5	-1.9 - 127.0	6.3	-5.2 - 17.7	13.8	0.9 - 26.6
	Male	103.0	14.5 - 191.6	7.9	-6.3 - 22.1	22.3	4.2 - 40.5
	Total	80.9	27.5 - 134.3	7.1	-2.2 - 16.4	17.9	6.8 - 28.9
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
Bay of Plenty	Female	245.9	99.1 - 392.6	127.7	54.9 - 200.5	155.2	90.4 - 220.0
	Male	93.6	-4.9 - 192.1	46.7	4.5 - 88.9	59.4	18.6 - 100.1
	Total	173.0	83.2 - 262.9	87.6	45.5 - 129.7	108.3	69.8 - 146.9
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
Bay of Plenty	Female	1557.5	1396.9 - 1718.0	224.1	202.4 - 245.8	397.2	368.3 - 426.2
	Male	950.5	819.2 - 1081.8	311.8	286.6 - 337.0	381.1	354.3 - 408.0
	Total	1262.4	1158.4 - 1366.4	263.6	247.1 - 280.1	386.6	366.8 - 406.3
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
Bay of Plenty	Female	651.9	452.6 - 851.1	344.0	225.5 - 462.6	468.6	361.5 - 575.8
	Male	882.4	656.8 - 1108.1	437.7	307.3 - 568.2	615.3	495.8 - 734.7
	Total	770.4	619.3 - 921.5	392.6	304.1 - 481.1	544.2	463.7 - 624.8
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	
Bay of Plenty	Female	128.3	39.5 - 217.1	135.2	59.1 - 211.3	132.2	74.5 - 189.9	
	Male	169.2	69.8 - 268.7	138.5	64.4 - 212.6	150.8	91.1 - 210.4	
	Total	149.3	82.4 - 216.2	136.9	83.8 - 190.0	141.7	100.2 - 183.3	
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	
Bay of Plenty	Female	24.5	-14.0 - 62.9	0.0	0.0 - 0.0	9.7	-5.6 - 25.0	
	Male	0.0	0.0 - 0.0	11.8	-8.6 - 32.1	13.1	-3.8 - 29.9	
	Total	19.5	-4.3 - 43.3	6.1	-4.4 - 16.5	11.4	0.0 - 22.8	
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	
Bay of Plenty	Female	702.4	497.7 - 907.0	633.7	477.2 - 790.3	662.0	537.3 - 786.7	
	Male	1000.0	764.0 - 1235.9	878.8	702.2 - 1055.5	927.6	785.7 - 1069.5	
	Total	854.9	698.1 - 1011.6	759.3	640.9 - 877.7	798.1	703.3 - 892.8	
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	95% confidence	ASR	95% confidence	ASR	95% confidence	
Bay of Plenty	Female	1095.3	1041.5 - 1149.1	2182.3	2160.5 - 2204.1	2106.3	2085.9 - 2126.6	
	Male	1740.7	1659.9 - 1821.5	1704.9	1684.3 - 1725.6	1713.3	1693.5 - 1733.2	
	Total	1375.3	1329.3 - 1421.3	1972.0	1956.9 - 1987.0	1936.0	1921.7 - 1950.2	
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	
Bay of Plenty	Female	2476.8	2392.3 - 2561.4	2620.3	2592.1 - 2648.6	2616.7	2590.0 - 2643.5	
	Male	2876.6	2776.5 - 2976.6	2382.8	2354.4 - 2411.3	2420.8	2393.5 - 2448.0	
	Total	2649.2	2584.8 - 2713.6	2513.3	2493.2 - 2533.3	2529.6	2510.5 - 2548.7	
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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	659.9	Respiratory infections	510.3
	Gastroenteritis	451.0	Gastroenteritis	371.2
	Dental conditions	401.7	Dental conditions	301.5
	ENT infections	304.4	ENT infections	265.7
	Cellulitis	291.3	Cellulitis	243.5
Male	Respiratory infections	695.0	Respiratory infections	570.2
	Gastroenteritis	415.3	Gastroenteritis	355.3
	Dental conditions	406.7	ENT infections	331.7
	ENT infections	374.3	Dental conditions	319.0
	Angina	283.5	Angina	300.1
Total	Respiratory infections	678.2	Respiratory infections	541.0
	Gastroenteritis	433.8	Gastroenteritis	363.7
	Dental conditions	404.2	Dental conditions	310.3
	ENT infections	340.8	ENT infections	299.6
	Asthma	273.1	Angina	258.9

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	870.9	Respiratory infections	742.2
	Dental conditions	523.6	Dental conditions	441.6
	Asthma	399.6	Asthma	356.4
	Gastroenteritis	376.9	ENT infections	355.9
	ENT infections	376.3	Angina	329.4
non-Māori	Respiratory infections	595.9	Respiratory infections	500.0
	Gastroenteritis	475.4	Gastroenteritis	379.7
	Dental conditions	337.5	ENT infections	283.8
	ENT infections	322.1	Dental conditions	271.8
	Angina	232.2	Angina	250.3

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Angina	1309.1	Persons encountering health services for specific procedures and health care	1802.8
	Respiratory infections	1119.6	Angina	1499.8
	Other forms of heart disease	1112.9	Respiratory infections	1132.4
	CORD	953.4	CORD	968.0
	Symptoms and signs involving the digestive system and abdomen	711.3	Other forms of heart disease	955.6
Male	Angina	1852.6	Persons encountering health services for specific procedures and health care	2367.0
	Respiratory infections	1607.7	Angina	1956.7
	Other forms of heart disease	1514.6	Respiratory infections	1721.7
	Ischaemic heart disease	1347.7	Ischaemic heart disease	1550.1
	CORD	1230.3	Other forms of heart disease	1232.4
Total	Angina	1561.1	Persons encountering health services for specific procedures	2059.9
			and health care	
	Respiratory infections	1340.2	Angina	1712.2
	Other forms of heart disease	1299.7	Respiratory infections	1388.0
	CORD	1073.1	Ischaemic heart disease	1148.7
	Ischaemic heart disease	989.3	Other forms of heart disease	1084.0

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	CORD	3319.9	Persons encountering health services for specific procedures	7454.5
			and health care	
	Respiratory infections	2606.4	CORD	2912.0
	Diabetes	1962.3	Respiratory infections	2597.3
	Angina	1826.2	Diabetes	2074.3
	Persons encountering health services for specific procedures	1709.4	Angina	1943.8
	and health care			
non-Māori	Angina	1530.5	Persons encountering health services for specific procedures	1705.0
			and health care	
	Other forms of heart disease	1252.6	Angina	1698.8
	Respiratory infections	1231.6	Respiratory infections	1319.4
	Ischaemic heart disease	980.8	Ischaemic heart disease	1133.2
	Skin cancers	931.3	Other forms of heart disease	1069.6

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Dental conditions	855.4	Dental conditions	660.6
	Respiratory infections	764.6	Respiratory infections	622.0
	Injuries to the elbow and forearm	417.4	ENT infections	380.4
	ENT infections	394.3	Injuries to the elbow and forearm	337.0
	Persons encountering health services for specific procedures	305.2	Persons encountering health services for specific procedures	311.2
	and health care		and health care	
Male	Dental conditions	839.3	Dental conditions	687.9
	Respiratory infections	796.8	Respiratory infections	671.2
	Injuries to the elbow and forearm	557.5	Injuries to the elbow and forearm	520.1
	ENT infections	486.2	ENT infections	457.9
	Injuries to the head	464.8	Injuries to the head	360.8
Total	Dental conditions	847.1	Dental conditions	674.6
	Respiratory infections	781.3	Respiratory infections	647.1
	Injuries to the elbow and forearm	489.1	Injuries to the elbow and forearm	430.9
	ENT infections	441.7	ENT infections	420.1
	Injuries to the head	355.2	Persons encountering health services for specific procedures and health care	330.2

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Dental conditions	944.9	Dental conditions	843.1
	Respiratory infections	694.0	Respiratory infections	644.5
	ENT infections	585.0	ENT infections	555.6
	Injuries to the elbow and forearm	445.3	Injuries to the elbow and forearm	425.4
	Asthma	392.6	Persons encountering health services for specific procedures	399.2
			and health care	
non-Māori	Respiratory infections	838.5	Respiratory infections	648.9
	Dental conditions	783.2	Dental conditions	619.8
	Injuries to the elbow and forearm	514.4	Injuries to the elbow and forearm	432.1
	Persons encountering health services for specific procedures	365.3	ENT infections	377.3
	and health care			
	ENT infections	351.5	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

	Bay of Plenty DHB		New Zealand		
	Condition	ASR	Condition	ASR	
Female	Respiratory infections	5153.8	Persons encountering health services in other circumstances	4296.1	
	Gastro-oesophageal reflux disease	1961.7	Respiratory infections	3688.1	
	Disorders related to length of gestation and fetal growth	1674.2	Disorders related to length of gestation and fetal growth	1895.8	
	Respiratory and cardiovascular disorders specific to the perinatal period	1386.8	Gastro-oesophageal reflux disease	1561.8	
	ENT infections	1185.1	ENT infections	1005.2	
Male	Respiratory infections	6098.5	Respiratory infections	4875.7	
	Gastro-oesophageal reflux disease	1936.6	Persons encountering health services in other circumstances	4131.4	
	Disorders related to length of gestation and fetal growth	1813.4	Disorders related to length of gestation and fetal growth	2016.8	
	Respiratory and cardiovascular disorders specific to the perinatal period	1737.7	Gastro-oesophageal reflux disease	1663.2	
	ENT infections	1657.2	ENT infections	1415.5	
Total	Respiratory infections	5641.0	Respiratory infections	4295.1	
	Gastro-oesophageal reflux disease	1948.7	Persons encountering health services in other circumstances	4212.0	
	Disorders related to length of gestation and fetal growth	1746.0	Disorders related to length of gestation and fetal growth	1957.6	
	Respiratory and cardiovascular disorders specific to the perinatal period	1567.8	Gastro-oesophageal reflux disease	1613.6	
	ENT infections	1428.6	ENT infections	1214.9	

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

	Bay of Plenty DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	7640.4	Respiratory infections	5965.2
	Disorders related to length of gestation and fetal growth	1828.0	Persons encountering health services in other circumstances	2422.4
	Gastro-oesophageal reflux disease	1612.9	Disorders related to length of gestation and fetal growth	1684.5
	Asthma	1493.4	Gastro-oesophageal reflux disease	1311.2
	ENT infections	1368.0	ENT infections	1270.5
non-Māori	Respiratory infections	4258.6	Persons encountering health services in other circumstances	4825.9
	Gastro-oesophageal reflux disease	2180.9	Respiratory infections	3722.1
	Respiratory and cardiovascular disorders specific to the perinatal period	1829.8	Disorders related to length of gestation and fetal growth	2051.4
	Disorders related to length of gestation and fetal growth	1689.4	Gastro-oesophageal reflux disease	1717.4
	ENT infections	1470.5	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	1	non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Bay of Plenty	Female	104.2	34.5 - 173.8	22.3	9.6 - 35.1	33.1	18.5 - 47.8	
	Male	84.2	20.0 - 148.4	28.5	14.1 - 42.9	34.5	20.2 - 48.8	
	Total	94.1	46.9 - 141.4	25.2	15.6 - 34.8	33.7	23.4 - 43.9	
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
Bay of Plenty	Female	187.4	90.7 - 284.1	128.9	90.6 - 167.3	138.0	102.6 - 173.3
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
Bay of Plenty	Male	111.3	34.8 - 187.7	116.2	88.5 - 143.9	115.1	89.4 - 140.8
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
Bay of Plenty	Female	28.5	-12.1 - 69.0	9.3	-4.1 - 22.7	13.2	-0.4 - 26.8
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	
Bay of Plenty	Female	40.6	-3.8 - 85.0	46.5	27.0 - 66.0	45.8	28.4 - 63.1	
	Male	41.8	-4.8 - 88.4	56.0	35.6 - 76.4	55.1	36.3 - 73.8	
	Total	41.3	9.1 - 73.5	51.1	37.1 - 65.2	50.3	37.5 - 63.0	
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	I	non-Māori	Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Bay of Plenty	Female	0.0	0.0 - 0.0	80.9	46.9 - 114.8	67.1	40.6 - 93.5
	Male	16.6	-15.7 - 49.0	107.8	67.5 - 148.1	90.8	59.2 - 122.4
	Total	12.4	-6.3 - 31.1	93.7	67.5 - 119.9	78.3	57.8 - 98.7
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		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Bay of Plenty	Female	549.1	509.1 - 589.2	104.8	99.2 - 110.4	150.5	143.9 - 157.0	
	Male	719.1	668.7 - 769.5	228.8	220.4 - 237.2	272.7	263.8 - 281.6	
	Total	623.2	591.8 - 654.5	163.0	158.1 - 168.0	207.7	202.2 - 213.1	
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
Bay of Plenty	Female	503.8	465.4 - 542.2	341.2	330.6 - 351.8	357.5	347.3 - 367.8
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
Bay of Plenty	Male	744.6	692.2 - 797.0	798.6	781.8 - 815.4	793.1	777.2 - 809.0
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
Bay of Plenty	Female	0.0	0.0 - 0.0	16.1	14.0 - 18.2	14.7	12.8 - 16.6
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	r	non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence	
Bay of Plenty	Female	153.5	133.2 - 173.8	316.1	306.6 - 325.5	300.7	292.0 - 309.4	
	Male	254.7	225.1 - 284.3	422.7	411.2 - 434.2	413.1	402.3 - 424.0	
	Total	203.7	185.9 - 221.4	368.0	360.6 - 375.4	355.2	348.3 - 362.1	
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
Bay of Plenty	Female	0.0	0.0 - 0.0	194.9	187.2 - 202.7	177.6	170.7 - 184.5
	Male	0.0	0.0 - 0.0	371.5	360.3 - 382.8	343.1	332.9 - 353.3
	Total	0.0	0.0 - 0.0	278.1	271.4 - 284.8	255.1	249.1 - 261.2
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

Descr	iption	ICD-10-AM codes used
	tain infectious and parasitic diseases	A00-B99
Intestinal infectious diseases		A00-A09
Tuberculosis (including late effects)		A15-A19, B90
	ngococcal infection	A39
	ions, sexual transmission	A50–A64
	nepatitis	B15-B19
HIV		B20-B24
	nfection, unspecified, of unspecified site	B34.9
	oplasms (cancer)	C00-D48
	nant neoplasms	C00–C97
_	ral cavity and pharynx	C00-C14
	tive organs	C15-C26
_	Oesophagus	C15
	Cancer of stomach	C16
	Colorectal	C18-C21
	Cancer of colon	C18 C21
	Rectum, rectosigmoid junction and anus	C19-C21
	Liver and intrahepatic bile ducts	C22
	Gallbladder, other and unspecified parts	C23-C24
	of biliary tract	C25-C24
	Pancreas	C25
	Other digestive organs	C17, C26
	ratory and intrathoracic organs	C30-C39
	Larynx	C32
	Trachea, bronchus and lung	C33-C34
Ÿ	Other respiratory and intrathoracic organs	C30-C31, C37-C39
	and articular cartilage	C40-C41
Skin		C43-C44
	Melanoma of skin	C43
	Other malignant neoplasms of skin	C44
	Mesothelial and soft tissue	C45-C49
	t: female	C50 & female
	t: male	C50 & male
	le genital organs	C51–C58
	Cervix uteri	C53
	Uterus	C54-C55
	Ovary	C56
	Other female genital organs	C51–C52, C57–C58
	genital organs	C60-C63
	Prostate	C61
	Testis	C62
	Other male genital organs	C60, C63
	ry tract	C64-C68
	Kidney, except renal pelvis	C64
Ÿ	Bladder	C67
	Other urinary tract	C65–C66, C68
	nd other central nervous system	C69-C72
Ÿ	Brain	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
Other endocrine glands	C74-C75
Malignant neoplasm of ill-defined, secondary and unspecified	C74 C75
sites	C76-C80
	C81-C85
Lymphoma W Hodgkin's disease	
Ÿ Hodgkin's diseaseŸ Non-Hodgkin's lymphoma	C81 C82–C85
Ŷ Non-Hodgkin's lymphoma	C62-C65
Multiple myeloma and other malignant immunoproliferative	C88, C90
diseases and malignant plasma cell neoplasms	
Leukaemias	C91–C95
Ÿ Lymphoid leukaemia	C91
Ÿ Myeloid leukaemia	C92
Ÿ Acute myeloid leukaemia	C92.0, C92.4, C92.5
	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
ÿ Dementia, vascular and unspecified	F01, F03
Descendity and hehaviousal disorders due to brain	
. ▼	FU/
Montal and hohavioural disorders due to psychoactive	E10 E10
· ·	 F10 - F19
	F10
	F11
·	F12
V: Mental and behavioural disorders Organic, including symptomatic, mental disorder	F00-F99 F00-F09 F01, F03 F07 F10-F19 F10 F11

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	110–115
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
Atrial fibrillation and flutter	148
Ÿ Heart failure	150
Cerebrovascular diseases	160–169
♥ Subarachnoid haemorrhage	160
<u> </u>	
Intracerebral haemorrhage, 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	J00–J99
Acute upper respiratory infections	J00-J06
Pneumonia	J12-J18
Acute bronchitis and bronchiolitis	J20-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	коо–к93
Teeth and gums	K00-K08
Disorders of tooth development and eruption,	K00-K01
embedded and impacted teeth	K02
Ÿ Dental caries	K04
Ÿ Diseases of pulp and periapical tissues	K05–K06
Ÿ Periodontal diseases	K20-K31
Diseases of oesophagus, stomach and duodenum	K20-K31
Ÿ Diseases of oesophagus	NZU-NZZ
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	K70

Description	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,	
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 Renal failure	N10-N12 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
₩ 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
¥ Excessive and frequent menstruation	N92.0, N92.1
\(\begin{align*} \text{ Menopausal and other perimenopausal disorders } \end{align*} \)	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	P20-P29
perinatal period	120 123

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	
 Exposure to inanimate mechanical forces Exposure to animate mechanical forces 	W50-W64
¥ Exposure to animate mechanical forces	
•	W50-W64
 Ÿ Exposure to animate mechanical forces Ÿ Drowning and submersion (non transport) Ÿ Fires ∴ Accidental poisoning by and exposure to noxious 	W50–W64 W65–W74
 Exposure to animate mechanical forces Drowning and submersion (non transport) Fires Accidental poisoning by and exposure to noxious substances 	W50–W64 W65–W74 X00–X09
 Exposure to animate mechanical forces Drowning and submersion (non transport) Fires Accidental poisoning by and exposure to noxious substances Accidental threats to breathing 	W50–W64 W65–W74 X00–X09 X40–X49
 Exposure to animate mechanical forces Drowning and submersion (non transport) Fires Accidental poisoning by and exposure to noxious substances Accidental threats to breathing Accidental suffocation or strangulation in bed 	W50–W64 W65–W74 X00–X09 X40–X49 W75-84
 Ÿ Exposure to animate mechanical forces Ÿ Drowning and submersion (non transport) Ÿ Fires Accidental poisoning by and exposure to noxious substances Ÿ Accidental threats to breathing Ÿ Accidental suffocation or strangulation in bed Intentional self-harm (suicide) 	W50–W64 W65–W74 X00–X09 X40–X49 W75-84 W75
 Exposure to animate mechanical forces Drowning and submersion (non transport) Fires Accidental poisoning by and exposure to noxious substances Accidental threats to breathing Accidental suffocation or strangulation in bed 	W50–W64 W65–W74 X00–X09 X40–X49 W75-84 W75 X60–X84, Y87.0

D	Description ICD-10-AM codes used			
	·	ICD-10-AM codes used		
Com	plications 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,			
Ÿ	abnormal reaction, without mention of misadventure at the time of the procedure	Y70–Y84, Y88.2, Y88.3		
XXI:	Factors influencing health status and contact with health			
servi	_	Z00–Z99		
	ons encountering health services for examination and stigation	Z00–Z13		
Persons with potential health hazards related to communicable diseases		Z20–Z29		
	ons encountering health services in circumstances related production	Z30–Z39		
Ÿ	Outcome of delivery	Z37		
Ÿ	Liveborn infants	Z38		
	ons encountering health services for specific procedures health care	Z40–Z54		
Ÿ	Care involving dialysis	Z49		
Ÿ	Care involving rehabilitation	Z 50		
	ons with potential health hazards related to beconomic and psychosocial circumstances	Z55–Z65		
Pers	ons encountering health services in other circumstances	Z70–Z76		
	ons with potential health hazards related to family and onal history and certain conditions influencing health is	Z80–Z99		