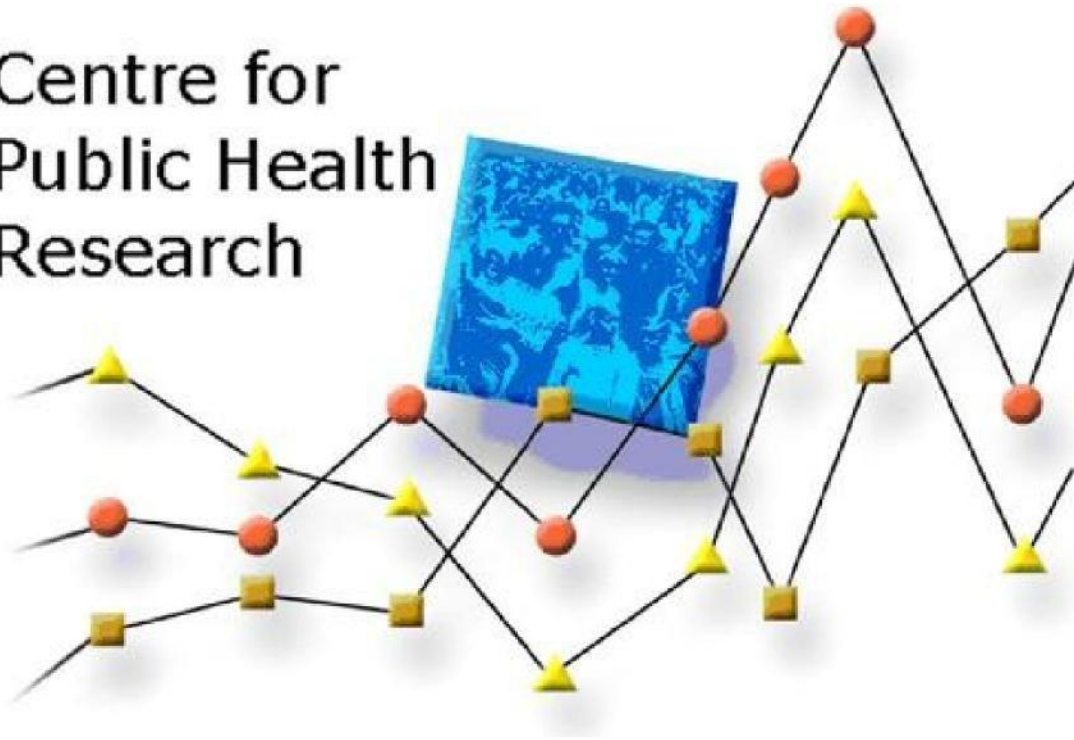


Centre for
Public Health
Research



Health Needs Assessment

Northland District Health Board

For the Ministry of Health

Contact Person:

Associate Professor Barry Borman
Centre for Public Health Research
Massey University, Wellington Campus
PO Box 756, Wellington 6140
Tel: +64 4 801 5799 extn 62180; Fax: +64 4 380 0600



MASSEY UNIVERSITY
WELLINGTON

Health Needs Assessment

Northland District Health Board

Helene Marsters
Mathangi Shanthakumar
Caroline Fyfe
Barry Borman
Saira Dayal

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EXECUTIVE SUMMARY

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

Demographics and social determinants of health

In the 2006 Census, Northland DHB had a population of 152,650 which is predicted to increase to 169,860 by 2026. The percentage increase will be less than that for New Zealand as a whole. The proportion of people identifying themselves as Māori in Northland DHB is more than double that of New Zealand as a whole. The Māori population is younger than the non-Māori and is dominated by young people. Whilst the Māori population is expected to remain young over the period to 2026 the non-Māori is expected to age.

In Northland DHB, the distribution of communities across the NZDep06 deprivation scale increases with levels of deprivation. Whilst both Māori and non-Māori show trends towards the higher deprivation deciles, the trends for Māori are much more pronounced.

Health status

Avoidable mortality and hospitalisations

The avoidable mortality rate for Māori was statistically significantly higher than the rate for non-Māori. Diabetes was a leading cause of avoidable mortality for Māori while complications of perinatal period was a leading cause for non-Māori.

The avoidable hospitalisation rate for Māori was statistically significantly higher compared to non-Māori. Respiratory infections, dental conditions, ENT infections, gastroenteritis, and angina were the top five leading causes of avoidable hospitalisations for both ethnic groups.

The rate of unintentional injury hospitalisation was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts.

Child and youth health

Dental conditions was a leading cause for Māori children 0-4 years and ENT infections was a leading cause for non-Māori children.

Dental conditions, respiratory infections, injuries to the elbow and forearm, and ENT infections were leading causes for both Māori and non-Māori children 5-14 years.

The unintentional injury mortality and hospitalisation rates for Māori women aged 15-24 years were statistically significantly higher than the non-Māori rate.

The asthma hospitalisation rate for children under 15 years of age was statistically significantly higher for total Māori and Māori boys compared to their non-Māori counterparts.

Older people

Ischaemic heart disease, lung cancer, COPD, and stroke are four of the top five leading causes of mortality for both Māori and non-Māori aged 65 years and over.

The leading causes of hospitalisation for older Māori people were COPD and diabetes while skin cancers and ischaemic heart disease were leading causes of hospitalisations for older non-Māori people.

Other conditions

The mortality and hospitalisation rates for ischaemic heart disease in the Northland DHB were statistically significantly higher for Māori than non-Māori. Hospital admission rates for stroke and COPD was also statistically significantly higher for Māori than non-Māori.

The rates of lung cancer mortality and registrations were significantly higher for Māori than non-Māori. However, admission and cancer registrations rates for melanoma were statistically significantly lower among Māori compared to non-Māori.

Health service utilisation

The DHB immunisation coverage rates for Māori and non-Māori at 2 years are lower than the comparable national averages.

The influenza vaccine coverage for those 65+ years in the DHB was slightly lower than the national average for both Māori and non-Māori.

The breast cancer screening coverage for Māori women (63.7%) was higher than the national (51.5%), but lower than the non-Māori (71.7%) coverage rates.

In the DHB, 58.8 percent of Maori women aged 20 to 69 years had a cervical smear in the past three years, compared to 78.1 percent of non-Māori women.

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 Northland 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

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

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

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
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

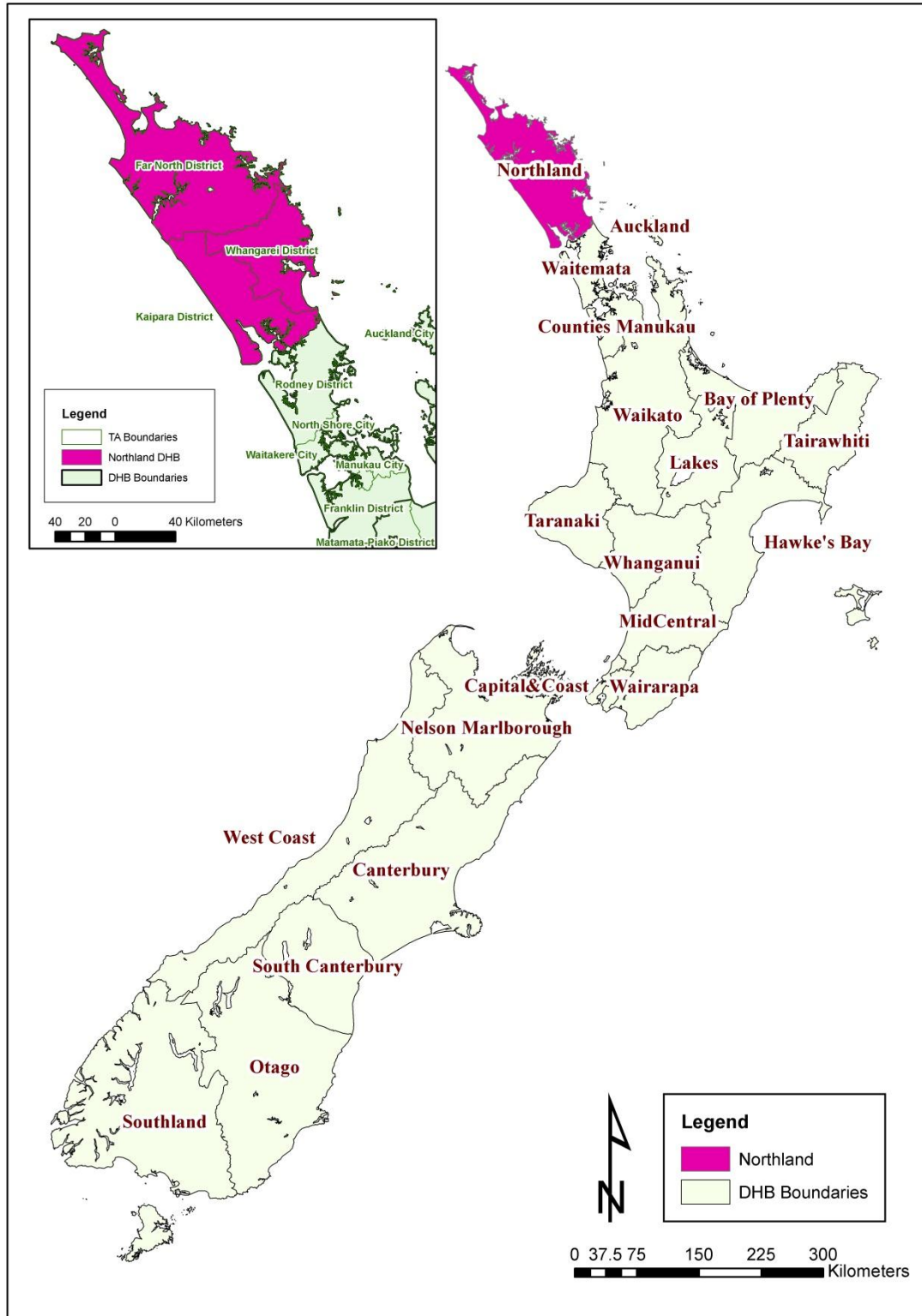
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non-Māori population in the DHB (622.3 per 100,000)

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

Northland DHB had a population of 152,650 at the last (2006) census, making up approximately 3.6 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise to 169,860 by 2026, an increase of 11.3 percent. The New Zealand population is predicted to rise by 19.2 percent over the same period.

1.1 Ethnicity

The proportion of people identifying themselves as Māori in Northland DHB is more than double that of New Zealand as a whole, (31.5% compared to 14.6%). This represents 7.7 percent of the New Zealand Māori population (2006 Census).

1.2 Population Distribution by Age and Gender

The majority of the Northland DHB population (62.4%) are of working age (15-64 years), this makes up a lower proportion of the population compared to New Zealand as a whole (66.5%), (Table 1.1). There are more young people (aged 0-14 years) and fewer elderly (aged 65+ years) in the Northland DHB when compared to the New Zealand population. The Northland DHB population peaks at 10-14 years, (Figure 1).

Table 1.1: Percentage population, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base Population)			2026 (Projected Population)		
		Male	Female	Total	Male	Female	Total
Northland	0-14	24.0	22.3	23.1	20.4	18.9	19.7
	15-64	61.9	62.9	62.4	55.9	55.9	55.9
	65+	14.1	14.8	14.5	23.6	25.2	24.5
New Zealand	0-14	22.2	20.3	21.2	19.4	17.9	18.6
	15-64	66.6	66.5	66.5	62.7	62.2	62.5
	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			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	0-14	17990	17320	35320	17100	16290	33390	-4.9	-5.9	-5.5
	15-64	46440	48790	95230	46810	48140	94920	0.8	-1.3	-0.3
	65+	10610	11510	22100	19790	21760	41550	86.5	89.1	88.0
	Total	75040	77620	152650	83700	86190	169860	11.5	11.0	11.3
New Zealand	0-14	454960	433360	888310	477070	451780	928840	4.9	4.3	4.6
	15-64	1364450	1420210	2784650	1545220	1573770	3119010	13.2	10.8	12.0
	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

It is projected that by 2026, the proportion of the population in the 65+ age group will have increased by 88.0 percent in Northland DHB, slightly higher than the 84.5 percent predicted nationally. Populations of both young people and those of working age are predicted to decline slightly, (by 5.5% and 0.3% respectively). Trends for the rest of New Zealand are for modest increases in these two age groups (4.6% and 12.0% respectively). The population is predicted to age with a second peak population occurring at 60-64 years (Figure 2).

Figure 1: Population, age and gender, 2006 Census

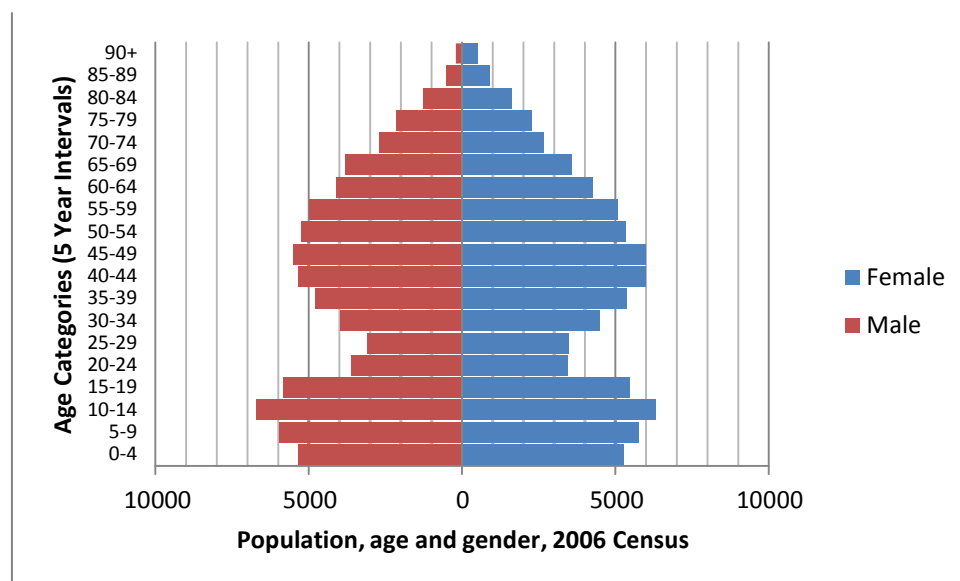
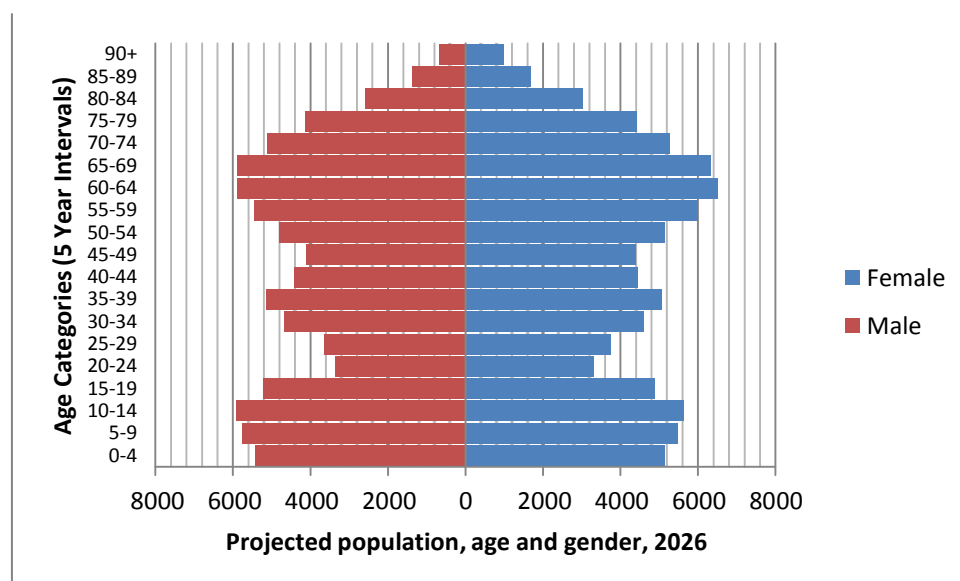


Figure 2: Projected population, age and gender, 2026



1.3 Population Distribution by Ethnicity

The Northland Māori population is younger than both the non-Māori and total Northland populations. The Māori population is dominated by young people (peak population 10-14 years). By comparison the non-Māori population is dominated by those of working age, with a peak population at 45-49 years.

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

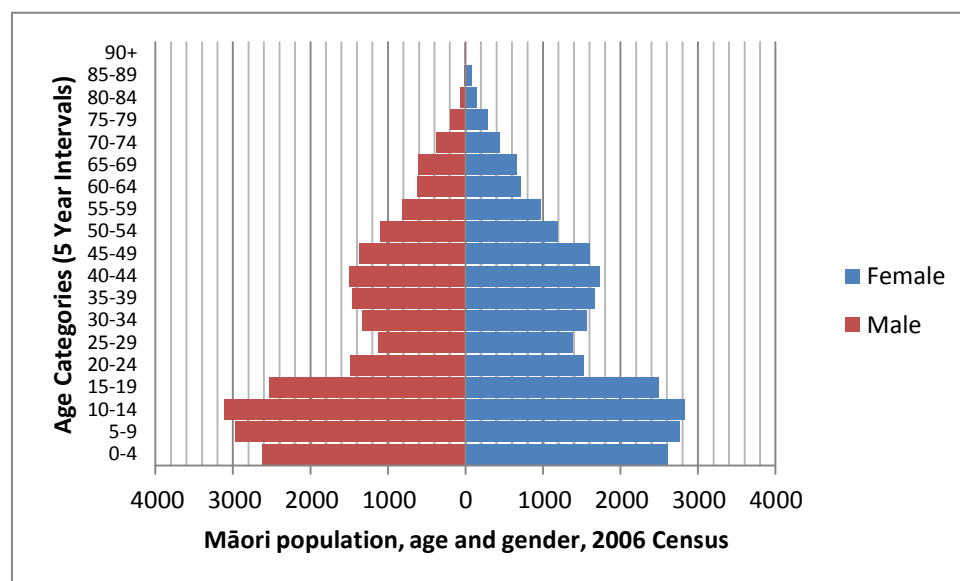
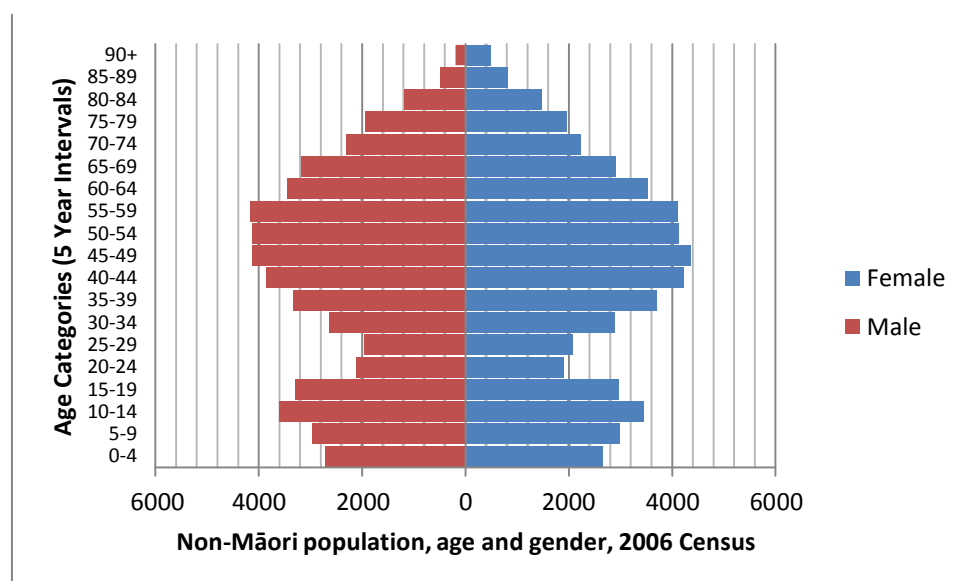


Figure 4: Non-Māori Population, age and gender, 2006 Census



Over the period 2006-2026, the Māori population is predicted to increase across all age categories, leading to an overall increase of 20.8 percent. By comparison the non-Māori population is expected to decline in both the 0-14 and 15-65 age categories (by 16.6% and 7.8% respectively). The overall non-Māori population is still predicted to increase, but by a more modest amount than the Māori population (6.9%).

Despite the largest population increase occurring in the 65+ age group (137.2%), the predicted Māori population in 2026 is still dominated by young people, with the peak population falling to 0-9 years. Over the same period the non-Māori population ages and peak population rises to 65-69 years.

Table 1.3: Māori population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	0-14	8700	8210	16910	9250	8780	18020	6.3	6.9	6.6
	15-64	13370	14870	28250	16130	17030	33150	20.6	14.5	17.3
	65+	1290	1610	2900	2980	3900	6880	131.0	142.2	137.2
	Total	23360	24690	48060	28360	29710	58050	21.4	20.3	20.8
New Zealand	0-14	110480	104810	215310	132290	125860	258150	19.7	20.1	19.9
	15-64	183640	199700	383320	236750	246600	483350	28.9	23.5	26.1
	65+	11680	14010	25710	30830	38330	69150	164.0	173.6	169.0
	Total	305800	318520	624340	399870	410790	810650	30.8	29.0	29.8

Table 1.4: Non-Māori population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	0-14	9290	9110	18410	7850	7510	15370	-15.5	-17.6	-16.5
	15-64	33070	33920	66980	30680	31110	61770	-7.2	-8.3	-7.8
	65+	9320	9900	19200	16810	17860	34670	80.4	80.4	80.6
	Total	51680	52930	104590	55340	56480	111810	7.1	6.7	6.9
New Zealand	0-14	344480	328550	673000	344780	325920	670690	0.1	-0.8	-0.3
	15-64	1180810	1220510	2401330	1308470	1327170	2635660	10.8	8.7	9.8
	65+	217250	268680	485910	409450	465470	874930	88.5	73.2	80.1
	Total	1742540	1817740	3560240	2062700	2118560	4181280	18.4	16.5	17.4

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

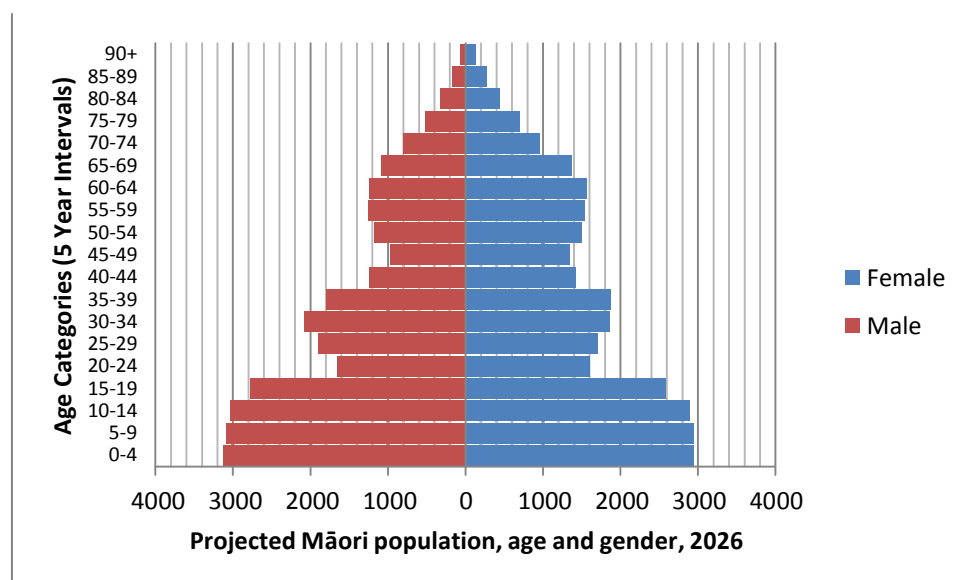
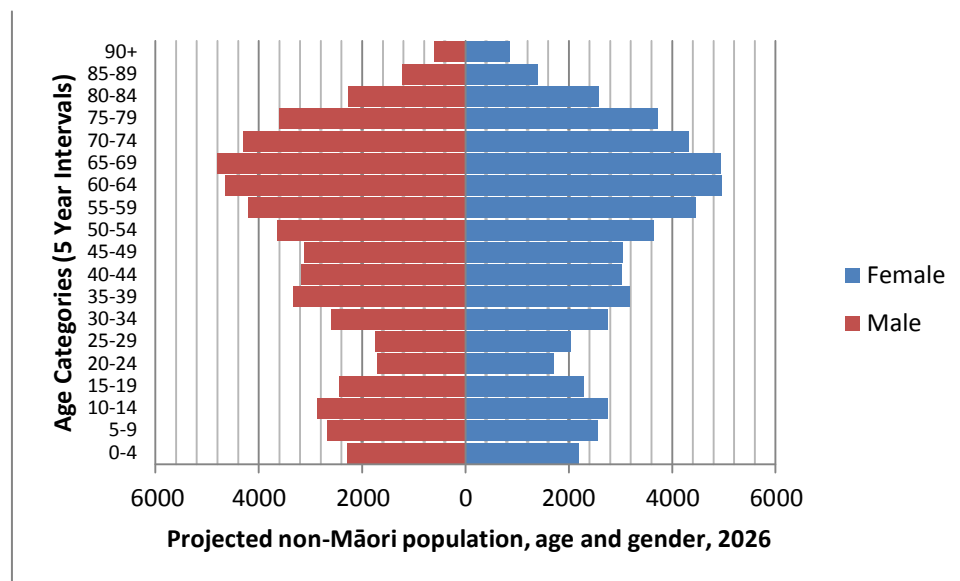


Figure 6: Projected non-Māori population, age and gender, 2026



2 SOCIAL DETERMINANTS OF HEALTH

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

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

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

2.1 The New Zealand Index of Deprivation (NZDep06)

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

In Northland DHB the distribution of communities across the NZDep06 deprivation scale increases with increasing levels of deprivation. Whilst trends in distribution for both Māori and non-Māori are towards the higher deprivation deciles, the increased representation of Māori as deprivation increases is far more pronounced. Over 50 percent of Northland Māori are in deciles 9 and 10.

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

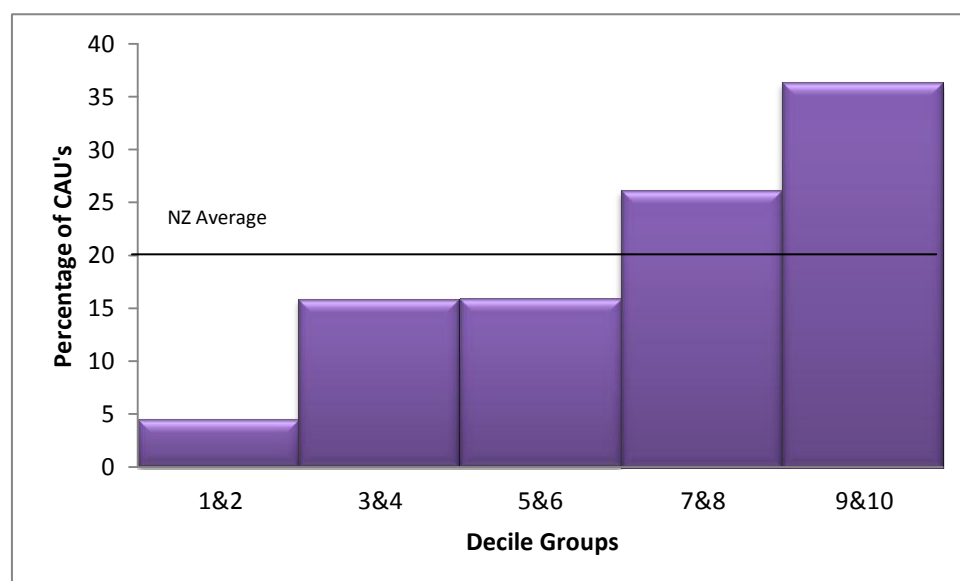


Figure 8: Northland DHB population, ethnicity and NZDep06 Decile

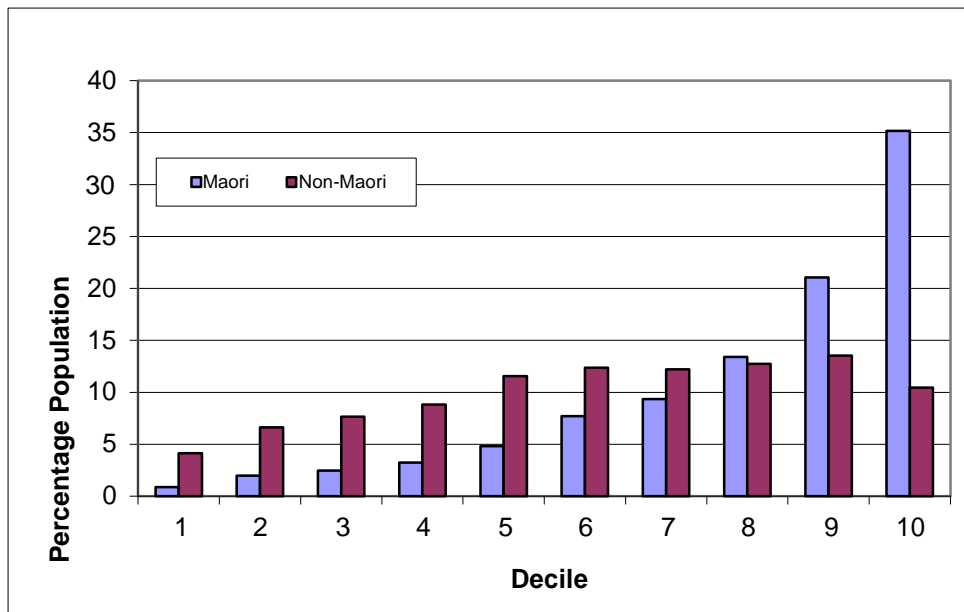
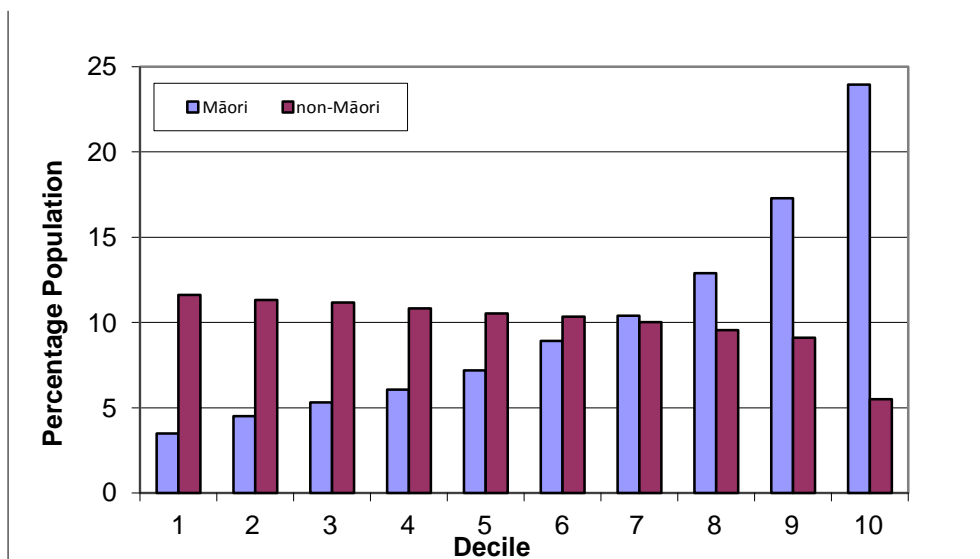


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



2.2 Education

The population of Northland DHB has a lower proportion of university graduates (degree level and above) (10.8%), compared to the New Zealand population (14.2%). It also has a higher proportion of people with no qualifications (27.4% compared to 22.4% for New Zealand).

2.3 Income

The Northland DHB population has a much lower proportion of the population earning over \$30,000 in personal income; 29.7 percent compared to 37.3 percent for New Zealand. This represents a much

lower proportion of people earning around or above the average annual personal income in New Zealand, which stood at \$33,189 in 2006/07 (Statistics New Zealand, 2012).

2.4 Employment

The employment rate for the Northland DHB population is slightly lower than that for New Zealand (93.5% compared to 94.9%). In terms of type of employment, there is a slightly lower proportion of professionals and managers in the Northland (34.7% compared to 36.0% nationally) and a slightly higher proportion of labourers (12.8% compared to 11.0% nationally).

2.5 Housing Tenure

Similar numbers of people own or part-own their own home but fewer people rent in Northland DHB compared to New Zealand.

Table 2.1: Proportion of DHB households, housing tenure, 2006 Census

	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	Total
Northland	Number	28350	15696	5928	4467	54438
	Percentage	52.1	28.8	10.9	8.2	100.0
New Zealand	Number	743955	451965	167925	90333	1454178
	Percentage	51.2	31.1	11.6	6.2	100.0

2.6 Communications and Transport

Fewer people have access to the telecommunications in Northland DHB when compared to New Zealand overall. 3.3 percent have no access to telecommunications compared to 2.0 percent nationally. Access to: mobile phones (66.3% compared to 71.1%), home telephone (81.6% compared to 87.8%) and internet (48.6% compared to 58.0%), are all markedly lower in Northland than in New Zealand overall.

Access to a motor vehicle is slightly higher in Northland DHB compared to national levels. Only 6.2 percent of the Northland population have no access to a motor vehicle compared to 7.7 percent nationally.

3 HEALTH STATUS

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

Key points

- The avoidable mortality rate for Māori was statistically significantly higher than the rate for non-Māori. Diabetes was a leading cause of avoidable mortality for Māori while complications of perinatal period was a leading cause for non-Māori.
- The avoidable hospitalisation rate for Māori was statistically significantly higher compared to non-Māori. The rate was also statistically significantly higher in the Northland DHB compared to the national rate. Respiratory infections, dental conditions, ENT infections, gastroenteritis, and angina were the top five leading causes of avoidable hospitalisations for both Māori and non-Māori.
- The rate of unintentional injury hospitalisation was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts. The Northland DHB also had a statistically significantly higher unintentional injury hospitalisation rate compared to that for New Zealand as a whole.
- Dental conditions was a leading cause for Māori children 0-4 years and ENT infections was a leading cause for non-Māori.
- Dental conditions, respiratory infections, injuries to the elbow and forearm, and ENT infections were leading causes for both Māori and non-Māori children 5-14 years.
- Ischaemic heart disease, lung cancer, COPD, and stroke are four of the top five leading causes of mortality for both Māori and non-Māori aged 65 years and over.
- The leading causes of hospitalisation for older Māori people were COPD and diabetes while skin cancers and ischaemic heart disease were leading causes of hospitalisations for older non-Māori people.
- The mortality and hospitalisation rates for ischaemic heart disease rate in the Northland DHB were statistically significantly higher for Māori than non-Māori. Hospital admission rates for stroke and COPD was also statistically significantly higher for Māori than non-Māori.
- The rates of lung cancer mortality and registrations were significantly higher for Māori than non-Māori. However, admission and cancer registrations rates for melanoma were statistically significantly lower among Māori compared to non-Māori.
- The unintentional injury mortality and hospitalisation rates for Māori women aged 15-24 years were statistically significantly higher than the non-Māori rate.
- The rate of diabetes and renal failure hospitalisations was statistically significantly higher for Māori than non-Māori.
- The asthma hospitalisation rate for children under 15 years of age was statistically significantly higher for total Māori and specifically Māori boys compared to their non-Māori counterparts.

3.1 Avoidable Mortality

In the Northland DHB, the avoidable mortality rate for Māori was statistically significantly higher than the rate for non-Māori (Table 3.1).

Table 3.1: Avoidable mortality, 0-74 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Northland	Female	243.1	78.7	- 407.5	72.9	1.6	- 144.2	111.5	47.0	- 176.1
	Male	381.7	158.8	- 604.7	139.9	43.6	- 236.1	192.8	104.2	- 281.5
	Total	308.3	172.1	- 444.5	106.7	46.6	- 166.8	151.7	97.2	- 206.1
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 were the same for Māori and non-Māori (Table 3.2). These were ischaemic heart disease, lung cancer, suicide, and motor vehicle accidents. Diabetes was a leading cause for Māori while complications of perinatal period was a leading cause for non-Māori.

Table 3.2: Leading causes of avoidable mortality, ethnicity, 0-74 years, 2006-08

	Northland 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	Motor vehicle accidents	1	Ischaemic heart disease	1
	Ischaemic heart disease	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	Colorectal cancer	5

The leading causes of avoidable mortality in the Northland DHB were the same as those nationally (Table 3.3). Breast cancer and cerebrovascular disease were leading causes for women while suicide and diabetes were leading causes for men.

Table 3.3: Leading causes of avoidable mortality, gender, 0-74 years, 2006-08

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

3.3 Avoidable Hospitalisations

Overall, the avoidable hospitalisation rates for Māori in the Northland DHB were statistically significantly higher than the rates for non-Māori (Table 3.4). The total rates for the DHB were also statistically significantly higher than 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% confidence		ASR	95% confidence		ASR	95% confidence				
Northland	Female	5629.4	4732.9	-	6525.9	3410.1	2793.4	-	4026.7	4130.6	3628.8	-	4632.4
	Male	6268.0	5295.7	-	7240.3	3621.7	3005.7	-	4237.6	4529.0	4006.5	-	5051.5
	Total	5941.1	5281.5	-	6600.7	3512.7	3077.5	-	3947.9	4327.0	3965.1	-	4688.9
New Zealand	Female	4904.4	4671.6	-	5137.1	3156.7	3061.1	-	3252.3	3408.8	3321.6	-	3496.1
	Male	4974.2	4736.0	-	5212.5	3535.8	3435.8	-	3635.9	3746.4	3655.7	-	3837.2
	Total	4946.3	4779.6	-	5112.9	3347.1	3277.8	-	3416.3	3578.9	3516.0	-	3641.9

3.4 Leading Causes of Avoidable Hospitalisations

Respiratory infections, dental conditions, ENT infections, gastroenteritis, and angina were the five leading causes of avoidable hospitalisations for both Māori and non-Māori (Table 3.5).

Table 3.5: Leading causes of avoidable hospitalisations, ethnicity, 0-74 years, 2007-09

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

Note: ENT infections= ear, nose and throat infections

The leading causes of avoidable hospitalisations in the Northland DHB were the same as those nationally (Table 3.6). Cellulitis was also a leading cause for women while angina was a leading cause for men.

Table 3.6: Leading causes of avoidable hospitalisations, gender, 0-74 years, 2007-09

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

Note: ENT infections= ear, nose and throat infections

3.5 Unintentional Injury Mortality

There was no statistically significant difference in the rate of unintentional injury mortality rate between Māori and non-Māori in the Northland DHB (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% confidence		ASR	95% confidence		ASR	95% confidence	
Northland	Female	34.4	-37.5	- 106.3	11.4	-20.2	- 43.1	21.5	-14.7	- 57.7
	Male	72.5	-37.0	- 182.0	40.4	-23.8	- 104.6	51.3	-5.2	- 107.8
	Total	52.1	-11.7	- 116.0	25.9	-10.0	- 61.9	36.1	2.8	- 69.5
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

The rate of unintentional injury hospitalisation was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts (Table 3.8). The Northland DHB also had a statistically significantly higher unintentional injury hospitalisation rate compared to that for New Zealand as a whole.

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% confidence		ASR	95% confidence		ASR	95% confidence	
Northland	Female	1663.6	1449.3	- 1877.9	1588.5	1400.8	- 1776.2	1621.1	1479.9	- 1762.2
	Male	4398.7	4046.3	- 4751.0	3593.7	3322.5	- 3864.9	3933.5	3717.5	- 4149.4
	Total	3026.5	2820.8	- 3232.3	2648.4	2480.0	- 2816.9	2812.7	2682.1	- 2943.3
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

3.7 Child Health (0-14 years)

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

Māori and non-Māori children 0-4 years of age in the Northland DHB experienced the same five leading causes of hospitalisations (Table 3.9). Dental conditions was a leading cause for Māori and ENT infections was a leading cause for non-Māori.

Table 3.9: Leading causes of hospitalisations, ethnicity, 0-4 years, 2007-09

	Northland DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Respiratory infections	1	Respiratory infections	1
	*Persons encountering health services in other circumstances	2	Persons encountering health services in other circumstances	2
	Dental conditions	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
	Respiratory and cardiovascular disorders specific to the perinatal period	5	ENT infections	5
non-Māori	Persons encountering health services in other circumstances	1	Persons encountering health services in other circumstances	1
	Respiratory infections	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

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

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 in the Northland DHB were the same as those nationally (Table 3.10). Respiratory and cardiovascular disorders specific to the perinatal period was a leading cause for girls while gastro-oesophageal reflux disease was a leading cause for boys.

Table 3.10: Leading causes of hospitalisations, gender, 0-4 years, 2007-09

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

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

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

Dental conditions, respiratory infections, injuries to the elbow and forearm, and ENT infections were leading causes of hospitalisations for both Māori and non-Māori children 5-14 years (Table 3.11).

Table 3.11: Leading causes of hospitalisations, ethnicity, 5-14 years, 2007-09

	Northland 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
	*Persons encountering health services for specific procedures and health care	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
	ENT infections	4	ENT infections	4
	Symptoms and signs involving the digestive system and abdomen	5	Persons encountering health services for specific procedures and health care	5

Note: ENT infections= ear, nose and throat infections

* 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.

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

Four of the top five leading causes of hospitalisations for children 5-14 years of age in the Northland DHB were the same as those in New Zealand (Table 3.12). These were respiratory infections, dental conditions, ENT infections, and injuries to the elbow and forearm. Symptoms and signs involving the digestive system and abdomen was a leading cause for girls while injuries to the head was a leading cause for boys.

Table 3.12: Leading causes of hospitalisations, gender, 5-14 years, 2007-09

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

Note: ENT infections= ear, nose and throat infections

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

3.8 Older People's Health (65+ years)

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

Four of the top five leading causes of mortality for older people in the Northland DHB were the same as those nationally (Table 3.13). Diabetes was a leading cause for Māori while colorectal cancer was a leading cause for non-Māori.

Table 3.13: Leading causes of mortality, ethnicity, 65+ years, 2006-08

	Northland 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
	Lung cancer	2	Stroke	2
	COPD	3	COPD	3
	Stroke	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 Northland DHB were the same as those nationally: ischaemic heart disease, COPD, lung cancer, stroke, and colorectal cancer (Table 3.14). Diabetes was a leading cause for women while COPD was a leading cause for men.

Table 3.14: Leading causes of mortality, gender, 65+ years, 2006-08

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

Note: COPD=chronic obstructive pulmonary disease

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

Three of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Northland DHB were persons encountering health services for specific procedures and health care, respiratory infections, and angina (Table 3.15).

Table 3.15: Leading causes of hospitalisations, ethnicity, 65+ years, 2007-09

	Northland DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	*Persons encountering health services for specific procedures and health care	1	Persons encountering health services for specific procedures and health care	1
	COPD	2	COPD	2
	Diabetes	3	Respiratory infections	3
	Respiratory infections	4	Diabetes	4
	Angina	5	Angina	5
non-Māori	Persons encountering health services for specific procedures and health care	1	Persons encountering health services for specific procedures and health care	1
	Angina	2	Angina	2
	Skin cancers	3	Respiratory infections	3
	Ischaemic heart disease	4	Ischaemic heart disease	4
	Respiratory infections	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 Northland DHB were the same as those for New Zealand in total. These were angina, respiratory infections, persons encountering health services for specific procedures and health care, and ischaemic heart disease.

Table 3.16: Leading causes of hospitalisations, gender, 65+ years, 2007-09

	Northland DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	*Persons encountering health services for specific procedures and health care	1	Persons encountering health services for specific procedures and health care	1
	Angina	2	Angina	2
	Respiratory infections	3	Respiratory infections	3
	COPD	4	COPD	4
	Ischaemic heart disease	5	Other forms of heart disease	5
Male	Persons encountering health services for specific procedures and health care	1	Persons encountering health services for specific procedures and health care	1
	Angina	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
Total	Persons encountering health services for specific procedures and health care	1	Persons encountering health services for specific procedures and health care	1
	Angina	2	Angina	2
	Respiratory infections	3	Respiratory infections	3
	Ischaemic heart disease	4	Ischaemic heart disease	4
	COPD	5	Other forms of heart disease	5

Note: COPD=chronic obstructive pulmonary disease

* 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 Northland DHB are available in the appendices 2-4. Key points are listed here.

3.9.1 Chronic conditions

The mortality and hospitalisation rates for ischaemic heart disease in the Northland DHB were statistically significantly higher for Māori than non-Māori (Appendix 2: Table 2.1.3 and Appendix 3: Table 3.1.3). The Northland DHB also had a statistically significantly higher ischaemic heart disease hospitalisation rate compared to the national rate.

The rate of stroke and COPD hospitalisation for Māori was statistically significantly higher than their non-Māori counterparts (Appendix 3: Table 3.1.4 and Table 3.1.27).

3.9.2 Cancer

The rates of lung cancer mortality and registrations were significantly higher for Māori than non-Māori (Appendix 2: Table 2.1.6 and Appendix 4: Table 4.1.1). The cancer specific hospitalisation rates for prostate cancer and melanoma in the Northland DHB was statistically significantly higher than the national rate (Appendix 3: Table 3.1.8 and Table 3.1.11). However, admission and cancer registrations rates (Appendix 4: Table 4.1.6) for melanoma were statistically significantly lower among Māori compared to non-Māori.

3.9.3 Other conditions

In the Northland DHB, the unintentional injury mortality and hospitalisation rates for Māori women aged 15-24 years were statistically significantly higher than the non-Māori rate (Appendix 2: Table 2.1.15 and Appendix 3: Table 3.1.14). The rates were also statistically significantly higher for the Northland DHB compared to the national rates.

The rate of diabetes and renal failure hospitalisations was statistically significantly higher for Māori than non-Māori (Appendix 3: Table 3.1.24 and Table 3.1.25). For both measures, the rates for the Northland DHB were statistically significantly higher than the national rates.

The asthma hospitalisation rate for children under 15 years of age was statistically significantly higher for total Māori and Māori boys compared to their non-Māori counterparts (Appendix 3: Table 3.1.28).

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 Northland 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

- The DHB immunisation coverage rates for Māori and non-Māori at 2 years are lower than the comparable national averages.
- The influenza vaccine coverage for those 65+ years in the DHB was slightly lower than the national average for both Māori and non-Māori.
- The breast cancer screening coverage for Māori women (63.7%) was higher than the national (51.5%) but lower than the non-Māori (71.7%) coverage rates.
- 58.8 percent of Maori women aged 20 to 69 years in the DHB had a cervical smear in the past three years, compared to 78.1 percent of non-Māori women.

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 Northland DHB, 70.3 percent of Māori children had received all specified immunisation vaccines by the age of two, which was lower than the non-Māori rate (Table 4.1). The coverage rate in Northland DHB (74.3%) was also lower for than that observed nationally (77.7%).

Table 4.1: Full immunisation coverage at two years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Northland DHB	70.3%	78.0%	74.3%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

In the Northland DHB, 48.7 percent of Māori people aged 65 years and over either received an influenza vaccine, or had an agreement made by a primary health provider to receive an influenza vaccine in the past 12 months (Table 4.2). This rate was lower than the non-Māori rate (52.4%). The coverage rate for the Northland DHB (54.1%) was also lower than the national rate (60.5%).

Table 4.2: Influenza vaccinations in the last 12 months, 65+ years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Northland DHB	48.7%	52.4%	54.1%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Northland DHB aged 50-64 years, 68.3 percent had a mammogram to check for early signs of breast cancer in the past two years, which was higher than the national percentage (63.7%), (Table 4.3). The coverage rate for Māori women (63.7%) was lower than the comparable rate for non-Māori women (71.7%), but higher than that for Māori women in New Zealand (51.5%).

Table 4.3: Breast screening coverage, 50-64 years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Northland DHB	63.7%	71.7%	68.3%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Northland DHB who had a primary health care provider, 84.4 percent had a cervical smear in the past three years, which is higher than the national percentage (Table 4.4). The coverage rate for Māori women (58.8%) was lower compared to non-Māori women (78.1%).

Table 4.4: Had cervical smear in the last three years, 20-69 years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Northland DHB	58.8%	78.1%	84.4%
New Zealand	54.4%	75.5%	72.6%

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Appendix 1

Demographic Tables

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Location	Age Group	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			
Northland	0-14	17,990	17,320	35,320	17,590	17,010	34,600	17,510	16,860	34,360	17,640	16,800	34,420	17,100	16,290	33,390	-	5.0	-	6.0	-	5.5
	15-64	46,440	48,790	95,230	48,250	50,220	98,480	48,180	50,120	98,310	47,380	49,310	96,700	46,810	48,140	94,920	0.8	-	1.3	-	0.3	
	65+	10,610	11,510	22,100	13,040	14,000	27,040	14,920	16,030	30,940	17,360	18,700	36,070	19,790	21,760	41,550	86.5		89.1		88.0	
	Total	75,040	77,620	152,650	78,880	81,230	160,120	80,610	83,010	163,610	82,380	84,810	167,190	83,700	86,190	169,860	11.5		11.0		11.3	
New Zealand	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	
	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	
	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
Northland	1,050	1,090	2,150	1,130	1,070	2,200	1,090	1,040	2,120	1,070	1,020	2,090	1,050	1,000	2,050	-	-	8.3 - 4.7
New Zealand	30,150	28,910	59,060	31,830	30,190	62,020	31,380	29,760	61,140	31,380	29,750	61,130	31,500	29,870	61,360	4.5	3.3	3.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Northland	4,290	4,180	8,470	4,790	4,530	9,320	4,540	4,320	8,860	4,420	4,210	8,630	4,370	4,150	8,520	1.9	-	0.7	0.6
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	8.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	5,940	5,760	11,700	5,750	5,680	11,430	6,220	5,920	12,140	5,900	5,630	11,520	5,760	5,490	11,250	-	3.0	-	4.7	-	3.8
New Zealand	149,230	142,650	291,880	151,640	144,070	295,710	163,170	153,990	317,160	159,530	151,110	310,640	158,510	150,120	308,630	6.2	5.2			5.7	

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

Table 1.1.3: Projected Total Population Aged 10-14 Years by Sex at 30 June 2007-20 (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			
Northland	6,710	6,290	13,000	5,920	5,730	11,650	5,660	5,580	11,240	6,250	5,940	12,180	5,920	5,650	11,570	-	11.8	-	10.2	-	11.0
New Zealand	159,520	150,920	310,430	149,830	142,960	292,790	149,610	142,400	292,010	164,550	155,140	319,690	160,920	152,270	313,190	0.9	0.9			0.9	

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	5,840	5,450	11,290	5,500	5,120	10,620	4,960	4,730	9,690	4,640	4,510	9,160	5,230	4,880	10,100	-	10.4	-	10.5	-	10.5
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	3,610	3,440	7,050	4,660	4,280	8,940	4,430	4,050	8,480	3,680	3,530	7,220	3,370	3,320	6,690	-	6.6	- 3.5 - 5.1
New Zealand	145,850	145,330	291,180	169,800	160,880	330,690	168,800	159,910	328,710	159,270	152,430	311,690	157,870	150,830	308,700		8.2	3.8 6.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	3,090	3,470	6,560	3,860	3,800	7,660	4,530	4,470	9,000	4,390	4,270	8,650	3,650	3,750	7,390		18.1	8.1 12.7
New Zealand	126,770	133,600	260,370	150,020	150,210	300,230	165,090	158,620	323,710	167,730	160,800	328,530	158,300	153,340	311,640		24.9	14.8 19.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	3,960	4,460	8,420	3,430	3,870	7,300	3,910	4,040	7,950	4,830	4,820	9,650	4,690	4,620	9,310		18.4	3.6 10.6
New Zealand	136,320	149,700	286,010	137,460	145,930	283,390	152,120	156,340	308,450	169,600	165,430	335,030	172,310	167,630	339,940		26.4	12.0 18.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	4,790	5,370	10,160	4,140	4,560	8,700	3,760	4,110	7,870	4,220	4,280	8,500	5,140	5,060	10,200		7.3	- 5.8 0.4
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 Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	5,350	5,970	11,320	4,920	5,470	10,390	4,500	4,890	9,390	3,970	4,280	8,240	4,430	4,450	8,870	-	17.2	- 25.5 - 21.6
New Zealand	155,940	166,540	322,490	151,430	166,140	317,570	141,000	155,280	296,280	137,690	147,630	285,320	155,770	160,510	316,290	-	0.1	- 3.6 - 1.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	5,510	5,980	11,490	5,440	5,960	11,410	5,140	5,650	10,790	4,630	5,000	9,630	4,110	4,390	8,500	-	25.4	- 26.6 - 26.0
New Zealand	149,120	156,040	305,160	152,810	163,480	316,290	149,650	163,730	313,380	139,930	154,200	294,120	136,740	146,680	283,430	-	8.3	- 6.0 - 7.1

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	5,230	5,320	10,550	5,770	6,240	12,010	5,660	6,210	11,870	5,310	5,790	11,110	4,820	5,150	9,970	-	7.8	- 3.2 - 5.5
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	4,980	5,080	10,060	5,460	5,710	11,170	5,820	6,320	12,140	5,800	6,410	12,210	5,470	6,000	11,470	9.8	18.1	14.0
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	4,080	4,250	8,330	5,070	5,210	10,280	5,470	5,650	11,130	5,910	6,420	12,330	5,900	6,520	12,420	44.6	53.4	49.1
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 Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	3,800	3,580	7,370	4,370	4,410	8,780	5,060	5,120	10,180	5,450	5,560	11,020	5,890	6,320	12,210	55.0	76.5	65.7
New Zealand	75,620	79,910	155,530	93,080	97,750	190,820	111,140	117,390	228,530	117,740	125,610	243,350	133,120	144,170	277,290	76.0	80.4	78.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	2,690	2,670	5,360	3,640	3,550	7,190	3,810	3,980	7,790	4,720	4,850	9,570	5,110	5,290	10,400	90.0	98.1	94.0
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	2,150	2,250	4,400	2,330	2,500	4,820	3,020	3,060	6,070	3,310	3,610	6,920	4,130	4,430	8,560	92.1	96.9	94.5
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,260	1,610	2,870	1,640	1,860	3,500	1,730	1,970	3,700	2,340	2,540	4,880	2,600	3,040	5,640	106.3	88.8	96.5
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	510	900	1,400	760	1,070	1,840	910	1,170	2,080	1,010	1,270	2,280	1,390	1,680	3,070	172.5	86.7	119.3
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	200	500	700	300	610	910	390	730	1,120	530	870	1,400	670	1,000	1,670	235.0	100.0	138.6
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	75,100	77,600	152,700	78,900	81,300	160,100	80,600	83,000	163,600	82,400	84,800	167,200	83,700	86,200	169,900	11.5	11.1	11.3
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			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	0-14	8,700	8,210	16,910	8,730	8,360	17,080	8,860	8,540	17,410	9,380	8,900	18,280	9,250	8,780	18,020	6.3	6.9	6.6
	15-64	13,370	14,870	28,250	14,570	15,920	30,510	15,240	16,410	31,650	15,470	16,650	32,100	16,130	17,030	33,150	20.6	14.5	17.4
	65+	1,290	1,610	2,900	1,680	2,100	3,790	1,970	2,530	4,510	2,430	3,110	5,530	2,980	3,900	6,880	131.0	142.2	137.2
	Total	23,360	24,690	48,060	24,980	26,380	51,380	26,070	27,480	53,570	27,280	28,660	55,910	28,360	29,710	58,050	21.4	20.3	20.8
New Zealand	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
	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
	65+	11,680	14,010	25,710	15,340	18,520	33,860	18,920	22,970	41,880	24,150	29,520	53,660	30,830	38,330	69,150	164.0	173.6	169.0
	Total	305,800	318,520	624,340	335,720	348,260	683,970	355,180	367,400	722,590	377,810	389,500	767,290	399,870	410,790	810,650	30.8	29.0	29.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	530	590	1,120	650	610	1,260	640	600	1,240	630	590	1,220	630	590	1,220	18.9	-	8.9
New Zealand	8,070	7,840	15,920	9,220	8,750	17,980	9,080	8,620	17,700	9,050	8,590	17,640	9,310	8,830	18,140	15.4	12.6	13.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	2,090	2,020	4,110	2,600	2,470	5,070	2,550	2,420	4,970	2,500	2,370	4,880	2,490	2,360	4,850	19.1	16.8	18.0
New Zealand	29,390	27,740	57,130	37,050	35,200	72,250	36,240	34,420	70,660	35,660	33,860	69,510	36,160	34,320	70,480	23.0	23.7	23.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	2,970	2,770	5,740	2,650	2,690	5,330	3,210	3,050	6,260	3,140	2,990	6,120	3,090	2,940	6,020	4.0	6.1	4.9
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	3,110	2,830	5,940	2,830	2,590	5,420	2,460	2,470	4,940	3,110	2,950	6,060	3,040	2,890	5,930	-	2.3	2.1 - 0.2
New Zealand	36,520	34,330	70,850	35,090	33,460	68,550	35,280	33,700	68,980	44,100	42,070	86,170	43,060	41,070	84,120	17.9	19.6	18.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	2,530	2,490	5,020	2,650	2,420	5,070	2,530	2,310	4,840	2,140	2,130	4,270	2,780	2,590	5,370	9.9	4.0	7.0
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,490	1,530	3,020	2,210	2,040	4,250	2,270	1,950	4,220	2,030	1,790	3,820	1,650	1,610	3,270	10.7	5.2	8.3
New Zealand	24,200	25,900	50,090	31,190	30,640	61,830	32,070	29,740	61,810	30,950	29,310	60,250	31,030	29,250	60,280	28.2	12.9	20.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,130	1,390	2,520	1,400	1,480	2,880	1,890	1,880	3,770	2,140	1,860	3,990	1,900	1,710	3,600	68.1	23.0	42.9
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,330	1,570	2,910	1,050	1,370	2,430	1,300	1,440	2,740	1,840	1,880	3,720	2,080	1,860	3,940	56.4	18.5	35.4
New Zealand	20,280	23,040	43,320	19,270	21,750	41,020	19,920	22,330	42,250	25,890	26,720	52,610	27,800	26,340	54,150	37.1	14.3	25.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,460	1,670	3,130	1,200	1,510	2,720	1,030	1,380	2,410	1,280	1,440	2,720	1,800	1,880	3,680	23.3	12.6	17.6
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 Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,500	1,740	3,240	1,410	1,620	3,030	1,250	1,540	2,790	1,010	1,370	2,370	1,250	1,430	2,680	- 16.7	- 17.8	- 17.3
New Zealand	19,170	21,360	40,530	19,120	22,160	41,280	18,490	21,590	40,070	17,590	20,680	38,270	18,330	21,080	39,410	- 4.4	- 1.3	- 2.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,380	1,610	2,990	1,440	1,680	3,120	1,360	1,610	2,970	1,220	1,520	2,740	980	1,350	2,330	- 29.0	- 16.1	- 22.1
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	1,100	1,190	2,290	1,330	1,640	2,970	1,380	1,670	3,050	1,310	1,580	2,890	1,180	1,500	2,670	7.3	26.1	16.6
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	820	970	1,790	1,080	1,190	2,270	1,250	1,520	2,770	1,320	1,620	2,940	1,260	1,540	2,800	53.7	58.8	56.4
New Zealand	10,070	10,860	20,930	12,390	13,760	26,140	14,630	16,810	31,440	16,040	18,710	34,750	16,070	19,260	35,330	59.6	77.3	68.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	630	710	1,340	800	970	1,770	980	1,110	2,090	1,180	1,460	2,640	1,250	1,560	2,810	98.4	119.7	109.7
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	610	660	1,270	620	700	1,320	710	880	1,590	900	1,050	1,950	1,090	1,380	2,470	78.7	109.1	94.5
New Zealand	5,410	5,930	11,350	6,200	7,030	13,240	8,000	9,180	17,180	9,690	11,250	20,930	12,110	14,580	26,690	123.8	145.9	135.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	380	440	820	510	580	1,090	510	620	1,130	630	810	1,440	800	960	1,770	110.5	118.2	115.9
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	200	290	490	310	430	740	420	510	940	430	540	960	530	700	1,230	165.0	141.4	151.0
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	70	140	210	190	260	460	230	310	540	310	420	730	330	450	770	371.4	221.4	266.7
New Zealand	780	1,230	2,010	1,360	1,910	3,270	1,710	2,280	3,990	2,430	3,210	5,640	2,830	3,770	6,600	262.8	206.5	228.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	20	80	100	40	100	140	80	150	230	120	200	320	170	280	450	750.0	250.0	350.0
New Zealand	280	530	810	390	780	1,170	630	1,090	1,710	970	1,480	2,450	1,450	2,160	3,610	417.9	307.5	345.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	10	-	10	10	30	40	20	60	80	40	90	130	60	130	190	500.0	/	1,800.0
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			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	23,400	24,700	48,000	25,000	26,400	51,400	26,100	27,500	53,600	27,300	28,700	55,900	28,300	29,700	58,100	20.9	20.2	21.0
New Zealand	305,800	318,500	624,300	335,700	348,300	684,000	355,200	367,400	722,600	377,800	389,500	767,300	399,900	410,800	810,700	30.8	29.0	29.9

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

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

These projections were derived in September 2010.

Source: Statistics New Zealand

Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

Table 1.3.1: Projected Non Māori Population by Age and Sex at 30 June 2007 (2006-Base)

Location	Age Group	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
Northland	0-14	9,290	9,110	18,410	8,860	8,650	17,520	8,650	8,320	16,950	8,260	7,900	16,140	7,850	7,510	15,370	- 15.5	- 17.6	- 16.5
	15-64	33,070	33,920	66,980	33,680	34,300	67,970	32,940	33,710	66,660	31,910	32,660	64,600	30,680	31,110	61,770	- 7.2	- 8.3	- 7.8
	65+	9,320	9,900	19,200	11,360	11,900	23,250	12,950	13,500	26,430	14,930	15,590	30,540	16,810	17,860	34,670	80.4	80.4	80.6
	Total	51,680	52,930	104,590	53,900	54,850	108,740	54,540	55,530	110,040	55,100	56,150	111,280	55,340	56,480	111,810	7.1	6.7	6.9
New Zealand	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
	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
	65+	217,250	268,680	485,910	264,740	311,720	576,430	305,130	351,320	656,460	354,640	403,490	758,120	409,450	465,470	874,930	88.5	73.2	80.1
	Total	1,742,540	1,817,740	3,560,240	1,861,760	1,925,370	3,787,120	1,924,240	1,983,970	3,908,180	1,996,910	2,053,740	4,050,640	2,062,700	2,118,560	4,181,280	18.4	16.5	17.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	520	500	1,030	480	460	940	450	440	880	440	430	870	420	410	830	-	19.2	-	18.0	-	19.4
New Zealand	22,080	21,070	43,140	22,610	21,440	44,040	22,300	21,140	43,440	22,330	21,160	43,490	22,190	21,040	43,220		0.5	-	0.1		0.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	2,200	2,160	4,360	2,190	2,060	4,250	1,990	1,900	3,890	1,920	1,840	3,750	1,880	1,790	3,670	-	14.5	-	17.1	-	15.8
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 2007–26 (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			
Northland	2,970	2,990	5,960	3,100	2,990	6,100	3,010	2,870	5,880	2,760	2,640	5,400	2,670	2,550	5,230	-	10.1	-	14.7	-	12.2
New Zealand	112,730	107,750	220,470	113,100	107,320	220,420	117,740	110,740	228,470	115,160	108,880	224,040	114,750	108,480	223,220		1.8		0.7		1.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	3,600	3,460	7,060	3,090	3,140	6,230	3,200	3,110	6,300	3,140	2,990	6,120	2,880	2,760	5,640	-	20.0	-	20.2	-	20.1
New Zealand	123,000	116,590	239,580	114,740	109,500	224,240	114,330	108,700	223,030	120,450	113,070	233,520	117,860	111,200	229,070	-	4.2	-	4.6	-	4.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Northland	3,310	2,960	6,270	2,850	2,700	5,550	2,430	2,420	4,850	2,500	2,380	4,890	2,450	2,290	4,730	-	26.0	-	22.6	-	24.6
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 2007–26 (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
Northland	2,120	1,910	4,030	2,450	2,240	4,690	2,160	2,100	4,260	1,650	1,740	3,400	1,720	1,710	3,420	-	18.9	- 10.5 - 15.1
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 2007–26 (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
Northland	1,960	2,080	4,040	2,460	2,320	4,780	2,640	2,590	5,230	2,250	2,410	4,660	1,750	2,040	3,790	-	10.7	- 1.9 - 6.2
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 2007–26 (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
Northland	2,630	2,890	5,510	2,380	2,500	4,870	2,610	2,600	5,210	2,990	2,940	5,930	2,610	2,760	5,370	-	0.8	- 4.5 - 2.5
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 2007–26 (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
Northland	3,330	3,700	7,030	2,940	3,050	5,980	2,730	2,730	5,460	2,940	2,840	5,780	3,340	3,180	6,520	0.3	- 14.1	- 7.3
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 2007–26 (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
Northland	3,850	4,230	8,080	3,510	3,850	7,360	3,250	3,350	6,600	2,960	2,910	5,870	3,180	3,020	6,190	-	17.4	- 28.6 - 23.4
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 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
Northland	4,130	4,370	8,500	4,000	4,280	8,290	3,780	4,040	7,820	3,410	3,480	6,890	3,130	3,040	6,170	-	24.2	- 30.4 - 27.4
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 2007–26 (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
Northland	4,130	4,130	8,260	4,440	4,600	9,040	4,280	4,540	8,820	4,000	4,210	8,220	3,640	3,650	7,300	-	11.9	- 11.6 - 11.6
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 2007–26 (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
Northland	4,160	4,110	8,270	4,380	4,520	8,900	4,570	4,800	9,370	4,480	4,790	9,270	4,210	4,460	8,670	1.2	8.5	4.8
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 2007–26 (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
Northland	3,450	3,540	6,990	4,270	4,240	8,510	4,490	4,540	9,040	4,730	4,960	9,690	4,650	4,960	9,610	34.8	40.1	37.5
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 2007–26 (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
Northland	3,190	2,920	6,100	3,750	3,710	7,460	4,350	4,240	8,590	4,550	4,510	9,070	4,800	4,940	9,740	78.4	88.6	83.3
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 2007–26 (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
Northland	2,310	2,230	4,540	3,130	2,970	6,100	3,300	3,360	6,660	4,090	4,040	8,130	4,310	4,330	8,630	86.6	94.2	90.1
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 2007–26 (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
Northland	1,950	1,960	3,910	2,020	2,070	4,080	2,600	2,550	5,130	2,880	3,070	5,960	3,600	3,730	7,330	84.6	90.3	87.5
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 2007–26 (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
Northland	1,190	1,470	2,660	1,450	1,600	3,040	1,500	1,660	3,160	2,030	2,120	4,150	2,270	2,590	4,870	90.8	76.2	83.1
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 2007–26 (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
Northland	490	820	1,300	720	970	1,700	830	1,020	1,850	890	1,070	1,960	1,220	1,400	2,620	149.0	70.7	101.5
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 2007–26 (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
Northland	190	500	690	290	580	870	370	670	1,040	490	780	1,270	610	870	1,480	221.1	74.0	114.5
New Zealand	100	230	330	140	340	470	190	380	560	230	430	670	280	450	740	180.0	95.7	124.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northland	51,680	52,930	104,590	53,900	54,850	108,740	54,540	55,530	110,040	55,100	56,150	111,280	55,340	56,480	111,810	7.1	6.7	6.9
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
Northland	Number	5,169	5,886	6,684	5,466	3,354	2,940	3,879	4,671	5,247
	Percentage	7.0	8.0	9.0	8.0	5.0	4.0	5.0	6.0	7.0
New Zealand	Number	140,382	146,532	157,116	152,439	135,084	117,216	130,884	143,001	150,900
	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
Northland	Number	5,397	5,043	4,836	4,008	3,636	2,613	2,112	1,197	678	72,822
	Percentage	7.0	7.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	
New Zealand	Number	143,055	124,311	115,224	88,338	72,114	55,878	46,356	29,124	17,667	1,965,618
	Percentage	7.3	6.3	5.9	4.5	3.7	2.8	2.4	1.5	0.9	

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

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

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

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

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Northland	Number	5,103	5,673	6,261	5,094	3,246	3,387	4,395	5,295	5,880
	Percentage	7.0	8.0	8.0	7.0	4.0	4.0	6.0	7.0	8.0
New Zealand	Number	134,694	139,956	148,896	147,762	135,894	125,223	145,677	158,553	162,798
	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
Northland	Number	5,853	5,148	4,953	4,116	3,495	2,595	2,196	1,572	1,359	75,618
	Percentage	8.0	7.0	7.0	5.0	5.0	3.0	3.0	2.0	2.0	
New Zealand	Number	150,369	128,421	118,347	91,278	76,434	61,056	54,858	43,113	39,000	2,062,329
	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
Northland	Number	10,269	11,559	12,948	10,560	6,597	6,327	8,274	9,963	11,127
	Percentage	7.0	8.0	9.0	7.0	4.0	4.0	6.0	7.0	7.0
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,698
	Percentage	6.8	7.1	7.6	7.5	6.7	6.0	6.9	7.5	7.8

		45–49	50–54	55–59	60–64	65–69	70–74	75–79	80–84	85+	Total
Northland	Number	11,247	10,191	9,792	8,124	7,134	5,208	4,308	2,772	2,037	148,440
	Percentage	8.0	7.0	7.0	5.0	5.0	4.0	3.0	2.0	1.0	
New Zealand	Number	293,421	252,729	233,571	179,616	148,545	116,934	101,214	72,237	56,670	4,027,947
	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.

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

Table 1.4.4: Female Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	2,364	50.2	32,355	25.1	2,349	49.8	96,579	74.9	4,713	92.4	128,934	2,513.3	387	7.6	5,760	112.3	5,103	5,130
5–9	2,526	48.2	32,544	24.2	2,712	51.8	101,832	75.8	5,238	92.3	134,376	2,387.6	435	7.7	5,577	99.1	5,673	5,628
10–14	2,679	45.9	32,379	22.6	3,153	54.1	110,901	77.4	5,832	93.1	143,280	2,404.8	432	6.9	5,613	94.2	6,261	5,958
15–19	2,151	46.0	29,502	20.8	2,523	54.0	112,365	79.2	4,674	91.8	141,867	2,212.9	417	8.2	5,895	92.0	5,094	6,411
20–24	1,314	44.6	22,434	17.4	1,629	55.4	106,608	82.6	2,943	90.7	129,042	2,284.3	300	9.3	6,849	121.2	3,243	5,649
25–29	1,272	40.9	20,529	17.2	1,836	59.1	98,604	82.8	3,108	91.8	119,133	2,629.9	276	8.2	6,090	134.4	3,384	4,530
30–34	1,491	36.3	21,384	15.3	2,619	63.7	118,290	84.7	4,110	93.5	139,674	2,708.4	285	6.5	6,000	116.3	4,395	5,157
35–39	1,554	31.5	20,790	13.6	3,378	68.5	131,550	86.4	4,932	93.1	152,340	2,719.9	360	6.8	6,210	110.9	5,295	5,601
40–44	1,641	30.0	19,905	12.7	3,828	70.0	136,773	87.3	5,469	93.0	156,678	2,537.7	411	7.0	6,120	99.1	5,880	6,174
45–49	1,458	26.9	16,926	11.7	3,969	73.1	127,536	88.3	5,427	92.7	144,462	2,564.1	426	7.3	5,907	104.8	5,853	5,634
50–54	1,077	22.6	12,597	10.2	3,678	77.4	110,826	89.8	4,755	92.4	123,423	2,447.4	390	7.6	4,998	99.1	5,148	5,043
55–59	873	18.8	9,762	8.6	3,771	81.2	104,037	91.4	4,644	93.7	113,799	2,414.6	312	6.3	4,548	96.5	4,956	4,713
60–64	657	17.1	6,717	7.6	3,174	82.9	81,159	92.4	3,831	93.1	87,876	2,267.2	285	6.9	3,405	87.8	4,116	3,876
65–69	615	18.9	5,310	7.2	2,643	81.1	68,244	92.8	3,258	93.1	73,554	2,197.0	237	6.8	2,880	86.0	3,498	3,348
70–74	408	16.8	3,471	5.9	2,016	83.2	55,368	94.1	2,424	93.5	58,839	2,066.7	168	6.5	2,217	77.9	2,592	2,847
75–79	276	13.5	2,190	4.1	1,770	86.5	50,607	95.9	2,046	93.2	52,797	2,154.1	150	6.8	2,058	84.0	2,196	2,451
80–84	123	8.3	1,074	2.6	1,353	91.7	40,437	97.4	1,476	93.7	41,511	2,151.9	96	6.1	1,605	83.2	1,575	1,929
85 and over	78	6.1	609	1.6	1,203	93.9	37,002	98.4	1,281	94.3	37,611	2,143.1	78	5.7	1,389	79.1	1,359	1,755
Total	22,554	32.1	290,469	14.7	47,613	67.9	1,688,736	85.3	70,167	92.8	1,979,205	2,418.4	5,451	7.2	83,124	101.6	75,618	81,840

All figures are for the census usually resident population.

* 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

***Total People not included elsewhere refers to all those who did not state an ethnicity

Table 1.4.5: Male Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	2,367	49.5	34,071	25.3	2,412	50.5	100,671	74.7	4,779	92.5	134,742	2,626.5	390	7.5	5,640	109.9	5,169	5,130
5–9	2,742	50.0	34,230	24.2	2,745	50.0	106,974	75.8	5,487	93.2	141,204	2,509.0	399	6.8	5,331	94.7	5,886	5,628
10–14	2,907	47.0	34,347	22.7	3,282	53.0	117,129	77.3	6,189	92.6	151,476	2,542.4	495	7.4	5,637	94.6	6,684	5,958
15–19	2,178	43.3	29,031	19.9	2,856	56.7	117,156	80.1	5,034	92.1	146,187	2,280.3	432	7.9	6,252	97.5	5,466	6,411
20–24	1,236	41.1	20,337	16.0	1,773	58.9	107,127	84.0	3,009	89.7	127,464	2,256.4	345	10.3	7,623	134.9	3,354	5,649
25–29	990	37.4	17,577	15.9	1,659	62.6	92,970	84.1	2,649	90.0	110,547	2,440.3	291	9.9	6,669	147.2	2,943	4,530
30–34	1,212	34.4	18,075	14.5	2,316	65.6	106,272	85.5	3,528	91.0	124,347	2,411.2	351	9.0	6,540	126.8	3,879	5,157
35–39	1,287	30.2	17,808	13.1	2,973	69.8	118,554	86.9	4,260	91.2	136,362	2,434.6	408	8.7	6,639	118.5	4,671	5,601
40–44	1,380	28.6	17,367	12.0	3,447	71.4	126,945	88.0	4,827	92.0	144,312	2,337.4	417	7.9	6,588	106.7	5,247	6,174
45–49	1,233	24.9	14,979	10.9	3,717	75.1	122,079	89.1	4,950	91.8	137,058	2,432.7	444	8.2	5,994	106.4	5,394	5,634
50–54	984	21.1	11,595	9.7	3,690	78.9	107,670	90.3	4,674	92.6	119,265	2,365.0	369	7.3	5,046	100.1	5,046	5,043
55–59	726	16.1	8,868	8.0	3,783	83.9	101,742	92.0	4,509	93.2	110,610	2,346.9	333	6.9	4,614	97.9	4,839	4,713
60–64	567	15.1	6,096	7.2	3,177	84.9	78,822	92.8	3,744	93.4	84,918	2,190.9	264	6.6	3,420	88.2	4,008	3,876
65–69	543	16.1	4,848	7.0	2,835	83.9	64,494	93.0	3,378	92.9	69,342	2,071.1	261	7.2	2,769	82.7	3,636	3,348
70–74	351	14.4	3,039	5.7	2,079	85.6	50,718	94.3	2,430	93.0	53,757	1,888.2	183	7.0	2,121	74.5	2,613	2,847
75–79	177	9.1	1,620	3.6	1,770	90.9	42,957	96.4	1,947	92.2	44,577	1,818.7	165	7.8	1,782	72.7	2,112	2,451
80–84	69	6.3	693	2.5	1,032	93.7	27,219	97.5	1,101	92.0	27,912	1,447.0	93	7.8	1,212	62.8	1,197	1,929
85 and over	30	4.9	279	1.7	582	95.1	16,599	98.3	612	90.3	16,878	961.7	66	9.7	789	45.0	678	1,755
Total	20,976	31.3	274,860	14.6	46,137	68.7	1,606,098	85.4	67,113	92.2	1,880,958	2,298.3	5,712	7.8	84,660	103.4	72,822	81,840

All figures are for the census usually resident population.

* 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

***Total People not included elsewhere refers to all those who did not state an ethnicity

Table 1.4.6: Total Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland		New Zealand		Northland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	4,728	49.8	66,426	25.2	4,764	50.2	197,250	74.8	9,492	92.4	263,676	95.9	780	7.6	11,400	4.1	10,269	275,079
5–9	5,265	49.1	66,774	24.2	5,463	50.9	208,806	75.8	10,728	92.8	275,580	96.2	831	7.2	10,908	3.8	11,559	286,488
10–14	5,586	46.5	66,726	22.6	6,438	53.5	228,030	77.4	12,024	92.9	294,756	96.3	927	7.2	11,253	3.7	12,948	306,009
15–19	4,326	44.6	58,533	20.3	5,382	55.4	229,521	79.7	9,708	91.9	288,054	96.0	852	8.1	12,144	4.0	10,560	300,198
20–24	2,547	42.8	42,771	16.7	3,405	57.2	213,735	83.3	5,952	90.2	256,506	94.7	648	9.8	14,472	5.3	6,600	270,978
25–29	2,262	39.3	38,106	16.6	3,495	60.7	191,577	83.4	5,757	91.0	229,683	94.7	567	9.0	12,759	5.3	6,327	242,442
30–34	2,703	35.4	39,459	14.9	4,932	64.6	224,562	85.1	7,635	92.3	264,021	95.5	639	7.7	12,540	4.5	8,274	276,561
35–39	2,841	30.9	38,598	13.4	6,351	69.1	250,104	86.6	9,192	92.3	288,702	95.7	771	7.7	12,852	4.3	9,963	301,554
40–44	3,021	29.3	37,272	12.4	7,275	70.7	263,718	87.6	10,296	92.5	300,990	95.9	831	7.5	12,708	4.1	11,127	313,698
45–49	2,691	25.9	31,908	11.3	7,689	74.1	249,612	88.7	10,380	92.3	281,520	95.9	870	7.7	11,901	4.1	11,250	293,421
50–54	2,061	21.9	24,192	10.0	7,368	78.1	218,496	90.0	9,429	92.5	242,688	96.0	762	7.5	10,044	4.0	10,191	252,732
55–59	1,599	17.5	18,630	8.3	7,551	82.5	205,779	91.7	9,150	93.4	224,409	96.1	642	6.6	9,162	3.9	9,795	233,574
60–64	1,224	16.2	12,816	7.4	6,351	83.8	159,975	92.6	7,575	93.2	172,791	96.2	552	6.8	6,825	3.8	8,124	179,616
65–69	1,161	17.5	10,158	7.1	5,475	82.5	132,741	92.9	6,636	93.0	142,899	96.2	498	7.0	5,646	3.8	7,134	148,548
70–74	759	15.6	6,510	5.8	4,098	84.4	106,086	94.2	4,857	93.3	112,596	96.3	351	6.7	4,338	3.7	5,208	116,934
75–79	453	11.3	3,807	3.9	3,543	88.7	93,567	96.1	3,996	92.8	97,374	96.2	312	7.2	3,840	3.8	4,308	101,214
80–84	192	7.4	1,764	2.5	2,388	92.6	67,659	97.5	2,580	93.2	69,423	96.1	189	6.8	2,814	3.9	2,769	72,240
85 and over	105	5.5	888	1.6	1,788	94.5	53,604	98.4	1,893	92.8	54,492	96.2	144	7.1	2,178	3.8	2,040	56,670
Total	43,527	31.7	565,326	14.6	93,750	68.3	3,294,837	85.4	137,277	92.5	3,860,163	95.8	11,163	7.5	167,784	4.2	148,440	4,027,947

All figures are for the census usually resident population.

* 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

***Total People not included elsewhere refers to all those who did not state an ethnicity

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
Northland	Number	117,267	2,631	987	8,904	2,343	1,113	1,713	1,659	19,353	11,820	148,440
	Percentage	79.0	2.0	1.0	6.0	2.0	1.0	1.0	1.0	13.0	8.0	
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
	Percentage	73.5	1.6	3.4	6.2	1.7	0.7	6.2	2.1	21.8	4.7	

All figures are for the census usually resident population.

(1) Includes Australian Territories.

(2) Includes Melanesia, Micronesia and Polynesia. (3)

includes Inadequately Described and Not Stated.

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

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

Table 1.5.1: Legal Marital Status (2006 Census)

		Legal Marital Status						
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
Northland	Number	30,063	50,223	4,338	9,018	7,296	12,723	113,661
	Percentage	26.5	44.2	3.8	7.9	6.4	11.2	
New Zealand	Number	991,323	1,414,533	108,225	222,138	174,813	249,336	3,160,371
	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.

(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

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 Marital Status											
		Partnered				Non-partnered							
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
Northland	Number	2,253	49,194	14,403	65,853	3,171	19,392	3,126	5,280	6,036	36,999	10,809	113,664
	Percentage	3.4	74.7	21.9	64.0	8.6	52.4	8.5	14.3	16.3	36.0		
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
	Percentage	2.7	76.3	21.0	61*	7.6	60.6	6.9	12.0	12.9	39*		

* % of total - 'not stated'

(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.

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)

		Family Type			
Location	Unit	Couple without children	Couple with child(ren)	One parent with child(ren)	Total
Northland	Number	16,686	14,703	8,058	39,450
	Percentage	42.3	37.3	20.4	
New Zealand	Number	425,973	447,894	193,635	1,067,502
	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.

Table 1.5.4: Household Composition (2006 Census)

		Household composition						
Location	Unit	One-family household (with or without other people)	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
Northland	Number	36,792	1,254	48	1,818	12,666	1,857	54,438
	Percentage	67.6	2.3	0.1	3.3	23.3	3.4	
New Zealand	Number	985,542	37,083	2,526	72,657	328,299	28,065	1,454,175
	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)

		Number of Languages Spoken								
Location	Unit	None	One	Two	Three	Four	Five	Six	Not elsewhere included(2)	Total
Northland	Number	2,370	114,585	17,529	1,776	441	135	63	11,538	148,440
	Percentage	1.6	77.2	11.8	1.2	0.3	0.1	0.0	7.8	
New Zealand	Number	75,198	3,083,904	562,446	83,400	19,281	5,055	1,476	197,190	4,027,947
	Percentage	1.9	76.6	14.0	2.1	0.5	0.1	0.0	4.9	

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

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

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

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

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

Location	Unit	Age Group (Years) of Mother									
		15–19		20–24		25–29		30–34		35–39	
		Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Northland	No children	4,068	34.2	1,695	14.3	1,113	9.4	888	7.5	696	5.9
	One child	216	3.8	597	10.5	678	11.9	765	13.4	621	10.9
	Two children	54	0.4	348	2.6	609	4.6	1,143	8.6	1,584	11.9
	Three children	6	0.1	102	1.0	333	3.4	603	6.1	936	9.5
	Four children	-	-	24	0.4	108	2.0	288	5.4	462	8.6
	Five children	-	-	6	0.2	51	2.0	120	4.8	207	8.3
	Six or more children	3	0.1	9	0.4	33	1.3	87	3.5	177	7.1
	Object to answering	87	4.6	63	3.3	75	4.0	129	6.8	150	7.9
	Not elsewhere included(2)	660	11.8	405	7.2	390	7.0	375	6.7	465	8.3
	Total	5,094	8.7	3,243	5.5	3,384	5.8	4,392	7.5	5,292	9.0
New Zealand	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
	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

Location	Unit	Age Group (Years) of Mother									
		40–44		45–49		50–54		55–59		60–64	
		Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
Northland	No children	648	5.5	627	5.3	501	4.2	462	3.9	300	2.5
	One child	624	11.0	552	9.7	408	7.2	351	6.2	231	4.1
	Two children	1,638	12.3	1,629	12.2	1,536	11.5	1,545	11.6	1,128	8.5
	Three children	1,188	12.0	1,209	12.3	1,098	11.1	1,071	10.9	957	9.7
	Four children	558	10.4	621	11.6	543	10.1	534	10.0	507	9.5
	Five children	267	10.7	285	11.4	234	9.4	210	8.4	234	9.4
	Six or more children	225	9.0	204	8.2	141	5.6	162	6.5	237	9.5
	Object to answering	219	11.6	207	11.0	210	11.1	216	11.4	180	9.5
	Not elsewhere included(2)	513	9.1	522	9.3	471	8.4	402	7.2	348	6.2
	Total	5,880	10.0	5,853	10.0	5,148	8.8	4,956	8.5	4,116	7.0
New Zealand	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
	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 Mother										
Location	Unit	65–69		70–74		75–79		80–84		85 and over		Total
		Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number
Northland	No children	240	2.0	174	1.5	174	1.5	156	1.3	144	1.2	11,886
	One child	171	3.0	126	2.2	105	1.8	114	2.0	135	2.4	5,691
	Two children	747	5.6	438	3.3	354	2.7	285	2.1	264	2.0	13,302
	Three children	807	8.2	546	5.5	453	4.6	324	3.3	237	2.4	9,864
	Four children	522	9.7	441	8.2	366	6.8	201	3.8	180	3.4	5,355
	Five children	243	9.7	240	9.6	180	7.2	123	4.9	93	3.7	2,493
	Six or more children	318	12.7	312	12.5	276	11.1	183	7.3	132	5.3	2,496
	Object to answering	120	6.3	102	5.4	57	3.0	51	2.7	33	1.7	1,890
	Not elsewhere included(2)	321	5.7	219	3.9	231	4.1	138	2.5	147	2.6	5,607
	Total	3,495	6.0	2,592	4.4	2,196	3.7	1,572	2.7	1,359	2.3	58,581
New Zealand	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
	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 Activity: Male									
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking after a child who is a member of own household	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people stated	Total people, not elsewhere included(3)	Total people
Northland	Number	6,732	38,898	13,137	3,666	5,670	3,612	8,136	47,346	7,737	55,080
	Percentage	12.2	70.6	23.9	6.7	10.3	6.6	14.8			
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
	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

(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.

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)

		Unpaid Activity: 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
Northland	Number	3,816	46,134	19,272	5,913	11,517	7,074	10,986	51,138	7,446	58,581
	Percentage	6.5	78.8	32.9	10.1	19.7	12.1	18.8			
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
	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

(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.

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

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

		Unpaid Activity: 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
Northland	Number	10,548	85,035	32,409	9,579	17,184	10,689	19,122	98,481	15,180	113,661
	Percentage	9.3	74.8	28.5	8.4	15.1	9.4	16.8			
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
	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.

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

Table 1.6.1: Highest Qualification Gained (2006 Census)

Location	Unit	Highest qualification						
		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
Northland	Number	31,095	16,155	8,694	3,267	3,963	4,704	11,622
	Percentage	27.4	14.2	7.7	2.9	3.5	4.1	10.2
New Zealand	Number	708,432	386,073	263,850	170,055	172,590	128,619	286,599
	Percentage	22.4	12.2	8.3	5.4	5.5	4.1	9.1

Location	Unit	Highest qualification							
		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
Northland	Number	3,471	5,778	6,405	1,224	978	246	16,062	113,661
	Percentage	3.1	5.1	5.6	1.1	0.9	0.2	14.1	
New Zealand	Number	110,496	157,869	315,846	55,458	59,703	16,770	328,014	3,160,371
	Percentage	3.5	5.0	10.0	1.8	1.9	0.5	10.4	

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

(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.

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)

Location	Unit	Total personal income							
		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
Northland	Number	747	4,497	6,756	8,847	15,441	11,070	8,664	8,148
	Percentage	0.7	4.0	5.9	7.8	13.6	9.7	7.6	7.2
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

Location	Unit	Total personal income							
		\$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
Northland	Number	6,777	6,630	7,602	7,773	2,730	2,226	15,750	113,661
	Percentage	6.0	5.8	6.7	6.8	2.4	2.0	13.9	
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.

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

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 1.6.3: 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
Northland	Number	5,622	52,224	21,240	22,860	2,022	19,170	3,036
	Percentage	5.0	46.0	18.7	20.1	1.8	16.9	2.7
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
Northland	Number	4,602	3,387	4,602	3,432	1,167	3,537	1,749	10,560	113,661
	Percentage	4.1	3.0	4.1	3.0	1.0	3.1	1.5	9.3	
New Zealand	Number	92,169	70,554	93,090	75,357	64,284	96,357	66,411	198,135	3,160,371
	Percentage	2.9	2.2	2.9	2.4	2.0	3.0	2.1	6.3	

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

(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.

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)

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
Northland	Number	48,471	15,912	64,383	4,500	68,883	37,956	6,825	113,661
	Percentage	75.3	24.7	93.5	6.5	60.6	33.4	6.0	
New Zealand	Number	1,531,020	454,758	1,985,775	106,497	2,092,275	961,788	106,311	3,160,371
	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.

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

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

Location	Unit	Occupation (ANZSCO)									Total
		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)	
Northland	Number	12,768	9,903	8,268	5,250	6,750	5,412	3,705	8,241	4,083	64,383
	Percentage	19.8	15.4	12.8	8.2	10.5	8.4	5.8	12.8	6.3	
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404	1,985,775
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7	

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

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

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

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

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

Table 1.6.6: Access to Telecommunications (2006 Census)

Location	Unit	Type of Telecommunication							
		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
Northland	Number	36,105	44,409	14,061	26,427	1,767	50,979	3,456	54,438
	Percentage	66.3	81.6	25.8	48.6	3.3	93.7	6.4	
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.

(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.

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)

Location	Unit	Number of Motor Vehicles					Total
		No motor vehicle	One motor vehicle	Two motor vehicles	Three or more motor vehicles	Not elsewhere included(2)	
Northland	Number	3,792	20,229	19,578	7,398	3,435	54,435
	Percentage	7.0	37.2	36.0	13.6	6.3	
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) Includes Response Unidentifiable and Not Stated.

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

Table 1.6.8: Housing Tenure (2006 Census)

		Housing Tenure			
		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)
Northland	Number	1,203	13,779	13,368	28,350
	Percentage	4.2	48.6	47.2	
New Zealand	Number	26,529	405,267	312,162	743,955
	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)
Northland	Number	237	12,540	2,922	15,696
	Percentage	1.5	79.9	18.6	
New Zealand	Number	6,315	388,275	57,378	451,965
	Percentage	1.4	85.9	12.7	

		Housing Tenure					
		Dwelling held in a family trust by usual resident(s) ⁽²⁾				Not elsewhere included ⁽³⁾	Total
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)		
Northland	Number	594	2,196	3,138	5,928	4,467	54,438
	Percentage	10.0	37.0	52.9			
New Zealand	Number	13,386	72,828	81,711	167,925	90,333	
	Percentage	8.0	43.4	48.7			

(1) "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.

(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.

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

Appendix 2

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
Northland	Female	243.1	78.7 - 407.5	72.9	1.6 - 144.2	111.5	47.0 - 176.1
	Male	381.7	158.8 - 604.7	139.9	43.6 - 236.1	192.8	104.2 - 281.5
	Total	308.3	172.1 - 444.5	106.7	46.6 - 166.8	151.7	97.2 - 206.1
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
Northland	Female	117.0	16.7 - 217.3	29.4	9.8 - 48.9	44.9	18.8 - 71.0
	Male	176.0	31.3 - 320.6	58.9	22.7 - 95.2	79.4	40.1 - 118.8
	Total	144.3	59.5 - 229.2	43.9	23.5 - 64.4	61.7	38.4 - 85.0
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
Northland	Female	127.6	59.7 - 195.5	29.3	17.6 - 41.1	44.9	29.8 - 60.0
	Male	262.7	145.1 - 380.2	78.1	50.9 - 105.2	108.4	78.2 - 138.5
	Total	189.0	124.5 - 253.4	53.3	38.7 - 67.8	75.7	59.2 - 92.3
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
Northland	Female	75.7	21.0 - 130.4	20.2	8.1 - 32.2	29.9	15.3 - 44.6
	Male	38.8	-6.2 - 83.9	20.7	9.0 - 32.3	24.8	11.8 - 37.8
	Total	61.4	24.4 - 98.4	20.6	12.2 - 29.0	27.6	17.8 - 37.5
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
Northland	Female	123.0	10.7 - 235.3	48.6	12.0 - 85.1	64.7	26.3 - 103.0
	Male	136.3	10.0 - 262.5	71.6	24.2 - 118.9	83.0	39.5 - 126.4
	Total	128.1	45.0 - 211.3	59.9	29.8 - 90.0	73.5	44.5 - 102.5
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
Northland	Female	110.5	42.1 - 178.9	20.3	5.6 - 35.0	36.3	18.9 - 53.7
	Male	80.2	17.7 - 142.7	27.4	12.5 - 42.2	36.4	19.8 - 53.1
	Total	96.6	49.8 - 143.4	23.7	13.3 - 34.2	36.2	24.2 - 48.3
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
Northland	Female	41.7	-3.4 - 86.8	14.3	-2.2 - 30.8	20.1	4.3 - 35.9
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
Northland	Male	33.2	-7.8 - 74.2	15.2	5.6 - 24.8	17.4	7.7 - 27.1
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
Northland	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	3.4	-2.9 - 9.8
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
Northland	Female	9.8	-11.3 - 30.9	16.7	5.1 - 28.3	15.9	5.3 - 26.4
	Male	20.1	-11.9 - 52.1	19.0	7.1 - 30.9	18.9	8.1 - 29.7
	Total	13.9	-3.7 - 31.6	17.8	9.5 - 26.1	17.3	9.8 - 24.9
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
Northland	Female	0.0	0.0 - 0.0	8.3	-0.7 - 17.3	6.9	-0.2 - 14.0
	Male	0.0	0.0 - 0.0	10.7	-0.2 - 21.7	8.9	0.2 - 17.7
	Total	0.0	0.0 - 0.0	9.5	2.4 - 16.6	7.8	2.3 - 13.4
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
Northland	Female	34.4	-37.5 - 106.3	11.4	-20.2 - 43.1	21.5	-14.7 - 57.7
	Male	72.5	-37.0 - 182.0	40.4	-23.8 - 104.6	51.3	-5.2 - 107.8
	Total	52.1	-11.7 - 116.0	25.9	-10.0 - 61.9	36.1	2.8 - 69.5
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
Northland	Female	8.2	-25.3 - 41.7	5.8	-15.0 - 26.6	7.2	-11.8 - 26.1
	Male	35.7	-41.5 - 113.0	18.5	-20.8 - 57.7	24.9	-12.4 - 62.1
	Total	21.0	-19.0 - 61.1	12.2	-10.2 - 34.6	15.8	-4.8 - 36.4
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
Northland	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
Northland	Female	56.2	17.5 - 94.9	0.0	0.0 - 0.0	33.2	13.1 - 53.4
	Male	104.4	49.3 - 159.5	61.3	26.1 - 96.5	79.3	48.5 - 110.0
	Total	80.1	46.5 - 113.6	39.1	18.6 - 59.6	56.9	38.3 - 75.6
New Zealand	Female	28.5	21.3 - 35.7	10.3	8.1 - 12.5	14.0	11.8 - 16.3
	Male	64.5	53.3 - 75.6	33.4	29.6 - 37.2	39.0	35.3 - 42.7
	Total	46.0	39.5 - 52.6	22.0	19.8 - 24.2	26.6	24.4 - 28.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Male	58.5	15.2 - 101.8	32.4	6.1 - 58.7	43.1	19.5 - 66.6
	Total	37.6	13.5 - 61.7	20.9	5.4 - 36.4	28.1	14.5 - 41.7
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
Northland	Female	1187.9	1135.2 - 1240.5	334.3	324.7 - 343.9	451.6	440.4 - 462.7
	Male	1751.2	1671.9 - 1830.5	647.4	631.8 - 663.0	770.7	754.4 - 786.9
	Total	1424.1	1379.7 - 1468.5	488.6	479.5 - 497.7	606.7	596.9 - 616.5
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
Northland	Female	624.1	586.5 - 661.7	203.8	196.5 - 211.1	257.9	249.8 - 266.0
	Male	243.9	214.9 - 272.9	204.3	196.1 - 212.5	216.4	208.3 - 224.6
	Total	487.5	461.6 - 513.5	206.0	200.6 - 211.5	240.4	234.7 - 246.2
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
Northland	Female	582.0	543.4 - 620.6	122.9	115.3 - 130.5	196.1	187.1 - 205.2
	Male	559.0	517.4 - 600.6	252.5	242.0 - 263.0	295.0	284.4 - 305.7
	Total	573.1	544.8 - 601.3	185.9	179.4 - 192.4	243.0	236.0 - 249.9
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
Northland	Female	111.2	95.2 - 127.1	57.4	52.4 - 62.4	62.6	57.9 - 67.3
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
Northland	Male	15.0	-26.0 - 56.0	6.9	-2.7 - 16.5	7.9	-1.9 - 17.6
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
Northland	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
New Zealand	Female	14.2	12.2 - 16.3	8.1	7.7 - 8.4	8.5	8.1 - 8.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	152.6	144.3 - 160.9	135.0	127.9 - 142.1
	Male	201.4	174.1 - 228.6	174.9	166.3 - 183.5	176.6	168.5 - 184.7
	Total	105.3	93.0 - 117.5	163.2	157.2 - 169.2	154.9	149.5 - 160.2
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
Northland	Female	0.0	0.0 - 0.0	57.5	52.7 - 62.3	49.5	45.5 - 53.6
	Male	0.0	0.0 - 0.0	65.4	60.3 - 70.6	58.2	53.6 - 62.7
	Total	0.0	0.0 - 0.0	60.9	57.4 - 64.4	53.2	50.2 - 56.2
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
Northland	Female	422.0	390.4 - 453.6	131.4	124.5 - 138.3	172.5	165.0 - 180.0
	Male	536.5	494.4 - 578.6	213.3	204.7 - 222.0	251.6	242.5 - 260.6
	Total	470.9	445.6 - 496.2	168.1	162.7 - 173.6	207.5	201.7 - 213.2
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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Lung cancer	14.9	Breast cancer (female only)	10.7
	Motor vehicle accidents	14.4	Lung cancer	9.3
	Ischaemic heart disease	10.5	Ischaemic heart disease	8.1
	Breast cancer (female only)	8.3	Colorectal cancer	5.9
	Cerebrovascular diseases	7.1	Diabetes	5.8
Male	Ischaemic heart disease	35.0	Ischaemic heart disease	27.3
	Motor vehicle accidents	29.8	Suicide and self-inflicted injuries	15.7
	Suicide and self-inflicted injuries	21.7	Motor vehicle accidents	12.3
	Diabetes	13.9	Lung cancer	10.8
	Lung cancer	13.1	Diabetes	8.3
Total	Ischaemic heart disease	22.6	Ischaemic heart disease	17.4
	Motor vehicle accidents	22.0	Suicide and self-inflicted injuries	10.4
	Lung cancer	14.1	Lung cancer	10.0
	Suicide and self-inflicted injuries	13.8	Motor vehicle accidents	8.6
	Diabetes	10.2	Diabetes	7.0

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	60.1	Ischaemic heart disease	51.4
	Lung cancer	38.9	Lung cancer	31.6
	Diabetes	34.2	Diabetes	26.8
	Motor vehicle accidents	31.6	Motor vehicle accidents	17.8
	Suicide and self-inflicted injuries	18.5	Suicide and self-inflicted injuries	15.4
non-Māori	Motor vehicle accidents	15.3	Ischaemic heart disease	14.3
	Ischaemic heart disease	13.6	Suicide and self-inflicted injuries	9.3
	Suicide and self-inflicted injuries	10.6	Lung cancer	8.1
	Lung cancer	8.6	Motor vehicle accidents	6.7
	Complications of perinatal period	7.1	Colorectal cancer	6.7

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	443.5	Ischaemic heart disease	418.5
	Stroke	210.6	Stroke	206.0
	Lung cancer	196.1	CORD	172.8
	Colorectal cancer	135.0	Lung cancer	153.4
	Diabetes	112.2	Colorectal cancer	131.3
Male	Ischaemic heart disease	768.8	Ischaemic heart disease	757.4
	Lung cancer	295.0	Lung cancer	245.3
	CORD	257.7	CORD	238.4
	Colorectal cancer	176.6	Stroke	207.5
	Stroke	166.4	Colorectal cancer	178.9
Total	Ischaemic heart disease	601.9	Ischaemic heart disease	571.4
	Lung cancer	243.0	Stroke	210.0
	CORD	214.2	CORD	197.9
	Stroke	191.7	Lung cancer	194.3
	Colorectal cancer	154.9	Colorectal cancer	152.9

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	1401.0	Ischaemic heart disease	1109.6
	Lung cancer	573.1	Lung cancer	497.3
	Diabetes	547.7	CORD	465.0
	CORD	493.3	Diabetes	389.4
	Stroke	396.7	Stroke	247.1
non-Māori	Ischaemic heart disease	487.3	Ischaemic heart disease	540.1
	Lung cancer	185.9	Stroke	207.2
	CORD	173.7	CORD	182.8
	Stroke	164.8	Lung cancer	175.1
	Colorectal cancer	163.2	Colorectal cancer	154.4

Appendix 3

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
Northland	Female	5629.4	4732.9 - 6525.9	3410.1	2793.4 - 4026.7	4130.6	3628.8 - 4632.4
	Male	6268.0	5295.7 - 7240.3	3621.7	3005.7 - 4237.6	4529.0	4006.5 - 5051.5
	Total	5941.1	5281.5 - 6600.7	3512.7	3077.5 - 3947.9	4327.0	3965.1 - 4688.9
New Zealand	Female	4904.4	4671.6 - 5137.1	3156.7	3061.1 - 3252.3	3408.8	3321.6 - 3496.1
	Male	4974.2	4736.0 - 5212.5	3535.8	3435.8 - 3635.9	3746.4	3655.7 - 3837.2
	Total	4946.3	4779.6 - 5112.9	3347.1	3277.8 - 3416.3	3578.9	3516.0 - 3641.9

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	841.1	546.0 - 1136.3	395.1	269.7 - 520.6	495.9	377.9 - 613.9
	Male	1247.4	851.9 - 1642.9	721.6	542.5 - 900.7	825.8	668.3 - 983.3
	Total	1025.9	785.3 - 1266.4	556.6	447.5 - 665.8	656.1	558.6 - 753.6
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
Northland	Female	561.3	405.6 - 717.1	267.4	216.8 - 318.0	326.3	274.2 - 378.5
	Male	852.0	636.3 - 1067.6	594.4	507.9 - 680.9	646.5	565.2 - 727.8
	Total	694.4	564.9 - 823.9	428.1	378.6 - 477.7	481.6	434.0 - 529.2
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
Northland	Female	262.8	161.1 - 364.4	93.2	62.8 - 123.6	121.8	90.6 - 153.1
	Male	232.5	121.2 - 343.8	136.3	95.5 - 177.1	156.9	117.9 - 195.9
	Total	256.2	179.6 - 332.7	114.4	89.1 - 139.6	138.9	114.1 - 163.7
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
Northland	Female	470.7	238.3 - 703.2	437.2	293.9 - 580.5	449.7	331.2 - 568.3
	Male	501.7	254.4 - 749.1	486.5	343.7 - 629.2	494.8	375.2 - 614.5
	Total	481.3	313.3 - 649.3	461.2	360.2 - 562.2	471.6	387.3 - 555.9
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
Northland	Female	122.9	48.2 - 197.6	47.6	25.4 - 69.9	62.1	38.8 - 85.3
	Male	128.9	47.5 - 210.4	59.5	36.8 - 82.3	69.1	46.4 - 91.8
	Total	122.6	68.9 - 176.3	53.3	37.4 - 69.2	65.3	49.0 - 81.5
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
Northland	Female	161.6	72.8 - 250.4	122.3	79.4 - 165.3	130.6	92.3 - 168.9
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
Northland	Male	105.9	35.1 - 176.6	111.5	80.6 - 142.4	110.0	82.2 - 137.8
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
Northland	Female	59.2	-1.3 - 119.6	14.8	-3.6 - 33.1	27.7	5.2 - 50.3
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
Northland	Female	17.7	-10.4 - 45.7	67.9	38.1 - 97.7	58.3	35.6 - 81.0
	Male	85.5	21.0 - 150.0	64.0	38.6 - 89.5	66.3	43.5 - 89.0
	Total	48.2	15.3 - 81.0	66.0	46.3 - 85.6	62.3	46.2 - 78.4
New Zealand	Female	40.1	27.1 - 53.0	52.5	48.0 - 56.9	51.8	47.6 - 56.0
	Male	50.7	35.2 - 66.2	63.3	58.4 - 68.2	62.7	58.0 - 67.3
	Total	45.3	35.2 - 55.3	57.5	54.2 - 60.8	56.9	53.8 - 60.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	27.3	-11.4 - 66.0	190.2	143.2 - 237.2	160.5	122.4 - 198.5
	Male	16.4	-13.1 - 45.8	298.8	235.7 - 362.0	248.3	199.8 - 296.8
	Total	21.1	-2.7 - 44.9	243.3	204.2 - 282.4	202.7	172.1 - 233.2
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
Northland	Female	1584.6	1095.6 - 2073.7	1347.6	961.0 - 1734.3	1441.4	1141.9 - 1740.8
	Male	3033.9	2328.1 - 3739.8	2440.9	1925.3 - 2956.6	2664.8	2253.2 - 3076.4
	Total	2287.3	1863.8 - 2710.8	1896.9	1573.9 - 2219.9	2048.3	1794.5 - 2302.1
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
Northland	Female	157.7	11.8 - 303.5	178.5	50.1 - 307.0	168.9	74.1 - 263.8
	Male	106.8	-22.2 - 235.8	96.0	3.3 - 188.7	98.4	24.5 - 172.4
	Total	131.9	35.1 - 228.7	135.6	57.8 - 213.5	132.8	73.3 - 192.3
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
Northland	Female	1663.6	1449.3 - 1877.9	1588.5	1400.8 - 1776.2	1621.1	1479.9 - 1762.2
	Male	4398.7	4046.3 - 4751.0	3593.7	3322.5 - 3864.9	3933.5	3717.5 - 4149.4
	Total	3026.5	2820.8 - 3232.3	2648.4	2480.0 - 2816.9	2812.7	2682.1 - 2943.3
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
Northland	Female	3005.8	2919.8 - 3091.7	1934.6	1904.6 - 1964.7	2074.8	2046.3 - 2103.2
	Male	3801.5	3688.4 - 3914.7	3014.2	2977.5 - 3051.0	3095.8	3061.2 - 3130.5
	Total	3351.0	3282.6 - 3419.4	2463.5	2439.7 - 2487.2	2567.8	2545.4 - 2590.1
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
Northland	Female	2108.2	2037.5 - 2178.9	604.3	590.0 - 618.7	810.2	794.2 - 826.3
	Male	1151.4	1090.3 - 1212.4	967.0	947.5 - 986.6	1010.1	991.2 - 1029.0
	Total	1761.3	1711.8 - 1810.8	783.7	771.6 - 795.8	909.3	896.9 - 921.6
New Zealand	Female	1210.9	1192.6 - 1229.2	649.9	646.8 - 652.9	680.0	676.9 - 683.0
	Male	1008.7	989.8 - 1027.6	913.7	909.7 - 917.7	923.4	919.5 - 927.3
	Total	1137.9	1124.6 - 1151.2	772.5	770.0 - 774.9	793.1	790.7 - 795.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	321.9	293.6 - 350.1	256.2	244.6 - 267.7	263.6	252.9 - 274.2
	Male	784.0	731.4 - 836.5	474.0	459.4 - 488.5	493.0	479.3 - 506.7
	Total	493.0	467.0 - 518.9	362.7	353.4 - 372.0	373.1	364.5 - 381.7
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
Northland	Female	256.8	231.8 - 281.8	346.3	332.9 - 359.7	326.3	314.6 - 338.1
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
Northland	Male	32.1	-23.7 - 87.9	30.0	9.7 - 50.2	30.2	11.3 - 49.1
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
Northland	Female	0.0	0.0 - 0.0	16.6	14.1 - 19.1	16.6	14.4 - 18.9
New Zealand	Female	28.7	25.8 - 31.5	20.8	20.2 - 21.4	21.2	20.6 - 21.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	481.4	466.6 - 496.2	416.8	404.3 - 429.3
	Male	583.0	539.3 - 626.6	459.2	445.2 - 473.1	476.2	462.9 - 489.5
	Total	286.5	266.5 - 306.5	470.8	460.6 - 480.9	447.1	437.9 - 456.2
New Zealand	Female	190.3	182.9 - 197.6	370.6	368.1 - 373.2	360.3	357.9 - 362.7
	Male	315.7	305.3 - 326.1	471.8	468.8 - 474.8	465.2	462.3 - 468.1
	Total	251.0	244.8 - 257.3	416.6	414.7 - 418.6	408.1	406.3 - 410.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	1075.2	1053.5 - 1096.9	934.1	915.7 - 952.5
	Male	185.1	158.1 - 212.1	1805.6	1778.0 - 1833.2	1613.4	1589.2 - 1637.6
	Total	115.3	102.6 - 128.0	1430.9	1413.4 - 1448.4	1258.0	1242.9 - 1273.1
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
Northland	Female	3841.0	3743.9 - 3938.0	696.6	679.2 - 714.1	1171.6	1150.5 - 1192.8
	Male	2951.0	2852.6 - 3049.4	1384.9	1361.3 - 1408.5	1565.1	1541.5 - 1588.7
	Total	3414.3	3346.0 - 3482.6	1019.4	1004.9 - 1034.0	1342.0	1326.4 - 1357.7
New Zealand	Female	2867.8	2839.2 - 2896.5	775.7	772.0 - 779.3	895.6	891.7 - 899.4
	Male	2751.7	2720.6 - 2782.7	1062.7	1058.3 - 1067.1	1151.7	1147.3 - 1156.2
	Total	2801.2	2780.3 - 2822.1	897.7	894.8 - 900.5	1002.7	999.7 - 1005.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	429.6	268.6 - 590.5	98.9	36.1 - 161.6	153.0	100.9 - 205.2
	Male	579.2	367.8 - 790.6	134.5	64.5 - 204.4	206.9	141.4 - 272.4
	Total	496.7	366.9 - 626.4	116.1	69.3 - 163.0	178.8	137.3 - 220.3
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
Northland	Female	89.6	18.6 - 160.5	11.6	-0.3 - 23.4	25.8	9.2 - 42.4
	Male	169.7	58.8 - 280.6	11.8	-0.1 - 23.7	39.2	15.6 - 62.9
	Total	125.6	62.2 - 189.1	11.6	3.2 - 19.9	32.2	17.9 - 46.5
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
Northland	Female	275.4	117.8 - 432.9	100.4	20.5 - 180.3	153.1	79.4 - 226.8
	Male	149.1	21.8 - 276.5	46.5	-5.2 - 98.1	79.5	24.5 - 134.5
	Total	215.2	112.8 - 317.5	73.4	25.8 - 120.9	117.0	70.7 - 163.2
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
Northland	Female	1346.2	1207.6 - 1484.7	247.8	219.9 - 275.7	435.7	401.8 - 469.5
	Male	1096.3	956.9 - 1235.8	404.8	371.3 - 438.4	507.9	472.5 - 543.3
	Total	1227.3	1129.4 - 1325.1	322.0	300.3 - 343.7	466.6	442.2 - 490.9
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
Northland	Female	417.2	255.6 - 578.9	296.0	161.3 - 430.8	353.9	249.4 - 458.4
	Male	713.2	503.2 - 923.1	279.3	151.6 - 407.0	493.1	371.1 - 615.1
	Total	566.3	433.6 - 699.0	287.8	195.0 - 380.6	424.3	343.9 - 504.8
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
Northland	Female	104.6	22.4 - 186.8	129.4	39.7 - 219.0	117.3	56.3 - 178.3
	Male	43.7	-9.5 - 96.8	106.9	27.1 - 186.8	76.4	27.8 - 124.9
	Total	74.0	25.1 - 122.8	118.2	58.2 - 178.2	96.7	57.8 - 135.6
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
Northland	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Male	35.2	-7.8 - 78.2	0.0	0.0 - 0.0	22.6	-1.7 - 46.9
	Total	24.4	-1.7 - 50.6	0.0	0.0 - 0.0	15.5	0.9 - 30.1
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
Northland	Female	703.2	495.2 - 911.2	610.1	423.8 - 796.5	655.4	516.2 - 794.7
	Male	950.6	717.2 - 1184.1	836.9	622.9 - 1050.8	891.7	733.8 - 1049.6
	Total	832.4	675.2 - 989.6	725.0	582.9 - 867.1	776.5	670.9 - 882.1
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
Northland	Female	2038.8	1969.9 - 2107.7	2101.0	2073.9 - 2128.1	2111.9	2086.8 - 2137.0
	Male	1062.0	1000.3 - 1123.7	1907.9	1881.2 - 1934.6	1824.7	1800.2 - 1849.2
	Total	1632.2	1584.9 - 1679.5	2014.8	1995.8 - 2033.7	1979.9	1962.4 - 1997.3
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
Northland	Female	2586.8	2506.2 - 2667.4	2334.2	2300.8 - 2367.6	2371.7	2340.9 - 2402.5
	Male	3131.4	3027.9 - 3234.9	2197.3	2165.5 - 2229.2	2280.4	2250.3 - 2310.5
	Total	2769.7	2707.6 - 2831.7	2264.1	2241.1 - 2287.1	2323.7	2302.3 - 2345.2
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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	614.2	Respiratory infections	510.3
	Dental conditions	449.2	Gastroenteritis	371.2
	Gastroenteritis	344.3	Dental conditions	301.5
	ENT infections	329.4	ENT infections	265.7
	Cellulitis	317.6	Cellulitis	243.5
Male	Respiratory infections	633.2	Respiratory infections	570.2
	Dental conditions	455.2	Gastroenteritis	355.3
	ENT infections	397.4	ENT infections	331.7
	Gastroenteritis	373.7	Dental conditions	319.0
	Angina	338.8	Angina	300.1
Total	Respiratory infections	623.6	Respiratory infections	541.0
	Dental conditions	452.0	Gastroenteritis	363.7
	ENT infections	364.0	Dental conditions	310.3
	Gastroenteritis	359.2	ENT infections	299.6
	Angina	305.0	Angina	258.9

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	885.6	Respiratory infections	742.2
	Dental conditions	643.3	Dental conditions	441.6
	Angina	408.1	Asthma	356.4
	ENT infections	406.0	ENT infections	355.9
	Gastroenteritis	357.9	Angina	329.4
non-Māori	Respiratory infections	460.3	Respiratory infections	500.0
	Gastroenteritis	368.4	Gastroenteritis	379.7
	ENT infections	330.1	ENT infections	283.8
	Dental conditions	287.5	Dental conditions	271.8
	Angina	275.3	Angina	250.3

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Persons encountering health services for specific procedures and health care	12695.0	Persons encountering health services for specific procedures and health care	1802.8
	Angina	1905.7	Angina	1499.8
	Respiratory infections	1246.0	Respiratory infections	1132.4
	CORD	1216.2	CORD	968.0
	Ischaemic heart disease	1177.2	Other forms of heart disease	955.6
Male	Persons encountering health services for specific procedures and health care	15607.1	Persons encountering health services for specific procedures and health care	2367.0
	Angina	2279.8	Angina	1956.7
	Respiratory infections	1908.2	Respiratory infections	1721.7
	Ischaemic heart disease	1810.2	Ischaemic heart disease	1550.1
	Skin cancers	1615.2	Other forms of heart disease	1232.4
Total	Persons encountering health services for specific procedures and health care	14062.8	Persons encountering health services for specific procedures and health care	2059.9
	Angina	2083.1	Angina	1712.2
	Respiratory infections	1558.3	Respiratory infections	1388.0
	Ischaemic heart disease	1483.9	Ischaemic heart disease	1148.7
	CORD	1374.9	Other forms of heart disease	1084.0

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Persons encountering health services for specific procedures and health care	43774.6	Persons encountering health services for specific procedures and health care	7454.5
	CORD	3549.9	CORD	2912.0
	Diabetes	3447.7	Respiratory infections	2597.3
	Respiratory infections	3160.2	Diabetes	2074.3
	Angina	2501.4	Angina	1943.8
non-Māori	Persons encountering health services for specific procedures and health care	8731.0	Persons encountering health services for specific procedures and health care	1705.0
	Angina	2011.7	Angina	1698.8
	Skin cancers	1432.4	Respiratory infections	1319.4
	Ischaemic heart disease	1387.2	Ischaemic heart disease	1133.2
	Respiratory infections	1304.6	Other forms of heart disease	1069.6

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Dental conditions	902.6	Dental conditions	660.6
	Respiratory infections	791.5	Respiratory infections	622.0
	ENT infections	379.5	ENT infections	380.4
	Injuries to the elbow and forearm	372.5	Injuries to the elbow and forearm	337.0
	Symptoms and signs involving the digestive system and abdomen	328.7	Persons encountering health services for specific procedures and health care	311.2
Male	Respiratory infections	892.4	Dental conditions	687.9
	Dental conditions	865.8	Respiratory infections	671.2
	Injuries to the elbow and forearm	616.9	Injuries to the elbow and forearm	520.1
	ENT infections	524.8	ENT infections	457.9
	Injuries to the head	309.5	Injuries to the head	360.8
Total	Dental conditions	883.8	Dental conditions	674.6
	Respiratory infections	842.2	Respiratory infections	647.1
	Injuries to the elbow and forearm	497.9	Injuries to the elbow and forearm	430.9
	ENT infections	453.4	ENT infections	420.1
	Cellulitis	275.2	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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Dental conditions	1142.8	Dental conditions	843.1
	Respiratory infections	884.6	Respiratory infections	644.5
	ENT infections	560.2	ENT infections	555.6
	Injuries to the elbow and forearm	472.6	Injuries to the elbow and forearm	425.4
	Persons encountering health services for specific procedures and health care	365.5	Persons encountering health services for specific procedures and health care	399.2
non-Māori	Respiratory infections	808.3	Respiratory infections	648.9
	Dental conditions	637.2	Dental conditions	619.8
	Injuries to the elbow and forearm	518.9	Injuries to the elbow and forearm	432.1
	ENT infections	355.8	ENT infections	377.3
	Symptoms and signs involving the digestive system and abdomen	278.2	Persons encountering health services for specific procedures and health care	308.2

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	4364.3	Persons encountering health services in other circumstances	4296.1
	Persons encountering health services in other circumstances	3036.1	Respiratory infections	3688.1
	Respiratory and cardiovascular disorders specific to the perinatal period	1372.5	Disorders related to length of gestation and fetal growth	1895.8
	ENT infections	1359.9	Gastro-oesophageal reflux disease	1561.8
	Disorders related to length of gestation and fetal growth	1315.6	ENT infections	1005.2
Male	Respiratory infections	5968.8	Respiratory infections	4875.7
	Persons encountering health services in other circumstances	3308.4	Persons encountering health services in other circumstances	4131.4
	Respiratory and cardiovascular disorders specific to the perinatal period	2074.8	Disorders related to length of gestation and fetal growth	2016.8
	Disorders related to length of gestation and fetal growth	2006.2	Gastro-oesophageal reflux disease	1663.2
	ENT infections	1732.1	ENT infections	1415.5
Total	Respiratory infections	5172.6	Respiratory infections	4295.1
	Persons encountering health services in other circumstances	3173.3	Persons encountering health services in other circumstances	4212.0
	Respiratory and cardiovascular disorders specific to the perinatal period	1726.3	Disorders related to length of gestation and fetal growth	1957.6
	Disorders related to length of gestation and fetal growth	1663.5	Gastro-oesophageal reflux disease	1613.6
	ENT infections	1547.4	ENT infections	1214.9

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

	Northland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	7578.1	Respiratory infections	5965.2
	Persons encountering health services in other circumstances	3352.5	Persons encountering health services in other circumstances	2422.4
	Dental conditions	1975.8	Disorders related to length of gestation and fetal growth	1684.5
	Disorders related to length of gestation and fetal growth	1790.9	Gastro-oesophageal reflux disease	1311.2
	Respiratory and cardiovascular disorders specific to the perinatal period	1746.3	ENT infections	1270.5
non-Māori	Persons encountering health services in other circumstances	2999.4	Persons encountering health services in other circumstances	4825.9
	Respiratory infections	2838.6	Respiratory infections	3722.1
	Respiratory and cardiovascular disorders specific to the perinatal period	1706.9	Disorders related to length of gestation and fetal growth	2051.4
	Disorders related to length of gestation and fetal growth	1539.9	Gastro-oesophageal reflux disease	1717.4
	ENT infections	1502.8	ENT infections	1195.9

Appendix 4

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		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	107.2	40.0 - 174.3	24.5	6.9 - 42.0	39.0	20.2 - 57.7
	Male	100.5	30.6 - 170.4	29.2	13.1 - 45.3	40.7	23.0 - 58.5
	Total	104.7	56.0 - 153.3	26.7	14.8 - 38.7	39.7	26.8 - 52.7
New Zealand	Female	91.7	72.1 - 111.2	22.7	19.8 - 25.5	28.1	25.1 - 31.2
	Male	91.7	71.0 - 112.5	32.1	28.8 - 35.4	36.5	33.1 - 40.0
	Total	91.6	77.4 - 105.9	27.0	24.8 - 29.2	31.9	29.6 - 34.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	147.4	62.3 - 232.5	131.1	84.6 - 177.7	133.9	93.7 - 174.1
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
Northland	Male	117.1	42.3 - 191.8	118.5	86.1 - 151.0	115.9	87.0 - 144.8
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
Northland	Female	29.6	-11.1 - 70.3	6.8	-4.9 - 18.5	12.9	-1.3 - 27.1
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
Northland	Female	24.4	-6.7 - 55.6	42.4	22.1 - 62.7	38.7	21.7 - 55.7
	Male	39.2	-4.6 - 83.0	53.1	27.0 - 79.1	50.3	28.8 - 71.7
	Total	31.8	5.2 - 58.4	47.8	31.4 - 64.2	44.5	30.9 - 58.1
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		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	51.4	23.8 - 78.9	42.5	20.7 - 64.4
	Male	0.0	0.0 - 0.0	72.6	38.3 - 106.8	58.4	32.5 - 84.4
	Total	6.8	-6.9 - 20.4	61.7	39.9 - 83.5	50.2	33.4 - 67.1
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
Northland	Female	588.6	550.3 - 627.0	136.2	127.9 - 144.5	203.1	193.9 - 212.3
	Male	609.0	565.6 - 652.4	215.6	205.9 - 225.4	268.9	258.7 - 279.2
	Total	605.3	576.3 - 634.3	173.7	167.3 - 180.1	233.7	226.9 - 240.6
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
Northland	Female	324.4	295.1 - 353.7	247.6	236.6 - 258.7	263.4	252.9 - 273.9
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
Northland	Male	1105.7	1044.6 - 1166.8	759.4	741.0 - 777.9	793.7	776.2 - 811.2
New Zealand	Male	756.4	740.0 - 772.8	762.6	758.7 - 766.6	760.3	756.5 - 764.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
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		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Northland	Female	156.4	136.9 - 175.8	300.7	289.0 - 312.5	276.8	266.6 - 287.1
	Male	282.6	252.8 - 312.4	313.6	301.8 - 325.4	312.4	301.4 - 323.4
	Total	220.2	202.6 - 237.8	308.1	299.7 - 316.4	295.7	288.2 - 303.2
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
Northland	Female	0.0	0.0 - 0.0	179.1	169.7 - 188.6	159.4	151.3 - 167.5
	Male	0.0	0.0 - 0.0	268.5	257.4 - 279.6	240.6	230.9 - 250.3
	Total	0.0	0.0 - 0.0	223.6	216.4 - 230.9	199.0	192.7 - 205.3
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

Appendix 5

ICD-10 Codes

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

Description	ICD-10-AM codes used
<ul style="list-style-type: none"> ☒ Other central nervous system 	C69–C70, C72
Thyroid and other endocrine glands	C73–C75
<ul style="list-style-type: none"> ☒ Thyroid gland 	C73
<ul style="list-style-type: none"> ☒ Other endocrine glands 	C74–C75
Malignant neoplasm of ill-defined, secondary and unspecified sites	C76–C80
Lymphoma	C81–C85
<ul style="list-style-type: none"> ☒ Hodgkin's disease 	C81
<ul style="list-style-type: none"> ☒ Non-Hodgkin's lymphoma 	C82–C85
Multiple myeloma and other malignant immunoproliferative diseases and malignant plasma cell neoplasms	C88, C90
Leukaemias	C91–C95
<ul style="list-style-type: none"> ☒ Lymphoid leukaemia 	C91
<ul style="list-style-type: none"> ☒ Myeloid leukaemia 	C92
<ul style="list-style-type: none"> ☒ Acute myeloid leukaemia 	C92.0, C92.4, C92.5
<ul style="list-style-type: none"> ☒ Other myeloid leukaemia 	C92.1–C92.3, C92.8–C92.9
<ul style="list-style-type: none"> ☒ 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
<ul style="list-style-type: none"> ☒ Melanoma in situ 	D03
<ul style="list-style-type: none"> ☒ Carcinoma in situ of breast 	D05
<ul style="list-style-type: none"> ☒ Carcinoma in situ of cervix uteri 	D06
<ul style="list-style-type: none"> ☒ 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
<ul style="list-style-type: none"> ☒ IDDM (type 1) 	E10
<ul style="list-style-type: none"> ☒ NIDDM (type 2) 	E11–E14
Obesity	E66
V: Mental and behavioural disorders	F00–F99
Organic, including symptomatic, mental disorder	F00–F09
<ul style="list-style-type: none"> ☒ Dementia, vascular and unspecified 	F01, F03
<ul style="list-style-type: none"> ☒ Personality and behavioural disorders due to brain disease, damage, and dysfunction 	F07
<ul style="list-style-type: none"> ☒ Mental and behavioural disorders due to psychoactive substance use 	F10–F19
<ul style="list-style-type: none"> ☒ Alcohol 	F10
<ul style="list-style-type: none"> ☒ Opioids 	F11
<ul style="list-style-type: none"> ☒ Cannabinoids 	F12

Description	ICD-10-AM codes used
Schizophrenia, schizotypal and delusional disorders	F20–F29
☛ Schizophrenia	F20
☛ Schizoaffective disorders	F25
Mood (affective) disorders	F30–F39
☛ Manic episode and bipolar affective disorder	F30–F31
☛ Manic episode	F30
☛ Bipolar affective disorder	F31
☛ Depressive episode and recurrent, and persistent mood [affective] disorders	F32–F34
☛ Depressive episode	F32
☛ Recurrent depressive disorder	F33
☛ 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 related syndromes	G45
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
☛ 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	I00–I99
Acute rheumatic fever	I00–I02
☛ Acute rheumatic heart disease	I01, I02.0
Chronic rheumatic heart disease	I05–I09
Hypertensive diseases	I10–I15
Ischemic heart disease	I20–I25
☛ Angina pectoris	I20
☛ Acute myocardial infarction	I21
☛ Chronic ischemic heart disease	I25
Pulmonary circulation	I26–I28
Other forms of heart disease	I30–I52
☛ Atrial fibrillation and flutter	I48
☛ Heart failure	I50
Cerebrovascular diseases	I60–I69
☛ Subarachnoid haemorrhage	I60
☛ Intracerebral haemorrhage, other nontraumatic intracranial haemorrhage	I61–I62
☛ Cerebral infarction, stroke, not specified as haemorrhage or infarction	I63–I64
Other diseases of the circulatory system	I70–I99
☛ Atherosclerosis	I70
☛ Varicose veins of lower extremities	I83
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	K00–K93
Teeth and gums	K00–K08
☛ Disorders of tooth development and eruption, embedded and impacted teeth	K00–K01
☛ Dental caries	K02
☛ Diseases of pulp and periapical tissues	K04
☛ Periodontal diseases	K05–K06
Diseases of oesophagus, stomach and duodenum	K20–K31
☛ Diseases of oesophagus	K20–K22
☛ Gastric, duodenal, peptic gastrojejunal ulcers, gastritis duodenitis	K25–K29
Diseases of appendix	K35–K38
Hernia	K40–K46
☛ 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
☛ Alcoholic liver disease	K70

Description	ICD-10-AM codes used
Diseases of gallbladder, biliary tract and pancreas	K80–K87
Cholelithiasis	K80
Acute pancreatitis	K85
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	N10–N12
Renal failure	N17–N19
Urolithiasis	N20–N23
Urinary tract infection, site not specified	N39.0
Stress incontinence and other specified urinary incontinence	N39.3, N39.4
☛ 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
☛ Endometriosis	N80
☛ Female genital prolapse	N81
☛ Dysplasia of cervix uteri	N87
☛ Excessive and frequent menstruation	N92.0, N92.1
☛ Menopausal and other perimenopausal disorders	N95
XV: Pregnancy, childbirth and the puerperium	O00–O99
Abscess of breast associated with childbirth	O91.1
XVI: Certain conditions originating in the perinatal period	P00–P96
Slow fetal growth and fetal malnutrition and premature	P05–P07
☛ Slow fetal growth and fetal malnutrition	P05
☛ Premature	P07.2–P07.3
Birth trauma	P10–P15
Respiratory and cardiovascular disorders specific to the perinatal period	P20–P29

Description	ICD-10-AM codes used
☛ 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 findings, not elsewhere classified	R00–R99
Symptoms and signs involving the circulatory and respiratory systems	R00–R09
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
☛ Sudden infant death syndrome	R95
XIX: Injury, poisoning and certain other consequences of external causes	S00–T98
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 classified	T80–T88
XX: External causes of morbidity and mortality	V01–Y98
Accidents	V01–V99, W00–X59, Y85,
Transport accidents	V01–V99, Y85
☛ Pedestrian	V01–V09
☛ Pedal cyclist	V10–V19
☛ Other land transport (occupant of motorcycle, three-wheeled motor vehicle, car, pickup truck or van)	V20–V59, Y85.0
☛ Other transport	V90–V99, Y85.1
Other external causes of accidental injury	W00–X59, Y86
☛ Falls	W00–W19
☛ Exposure to mechanical forces	W20–W64
☛ Exposure to inanimate mechanical forces	W20–W49
☛ Exposure to animate mechanical forces	W50–W64
☛ Drowning and submersion (non transport)	W65–W74
☛ Fires	X00–X09
☛ Accidental poisoning by and exposure to noxious substances	X40–X49
☛ Accidental threats to breathing	W75–84
☛ Accidental suffocation or strangulation in bed	W75
Intentional self-harm (suicide)	X60–X84, Y87.0
Assault (homicide)	X85–Y09, Y87.1
Event of undetermined intent	Y10–Y34, Y87.2
Legal intervention	Y35, Y89.0

Description	ICD-10-AM codes used
Complications of medical and surgical care	Y40–Y84, Y88
Ÿ Drugs, medicaments and biological substances causing adverse effects in therapeutic use	Y40–Y59, Y88.0
Ÿ Misadventure to patients during surgical and medical care	Y60–Y69, Y88.1
Ÿ Medical devices associated with adverse incidents, 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 services	Z00–Z99
Persons encountering health services for examination and investigation	Z00–Z13
Persons with potential health hazards related to communicable diseases	Z20–Z29
Persons encountering health services in circumstances related to reproduction	Z30–Z39
Ÿ Outcome of delivery	Z37
Ÿ Liveborn infants	Z38
Persons encountering health services for specific procedures and health care	Z40–Z54
Ÿ Care involving dialysis	Z49
Ÿ Care involving rehabilitation	Z50
Persons with potential health hazards related to socioeconomic and psychosocial circumstances	Z55–Z65
Persons encountering health services in other circumstances	Z70–Z76
Persons with potential health hazards related to family and personal history and certain conditions influencing health status	Z80–Z99