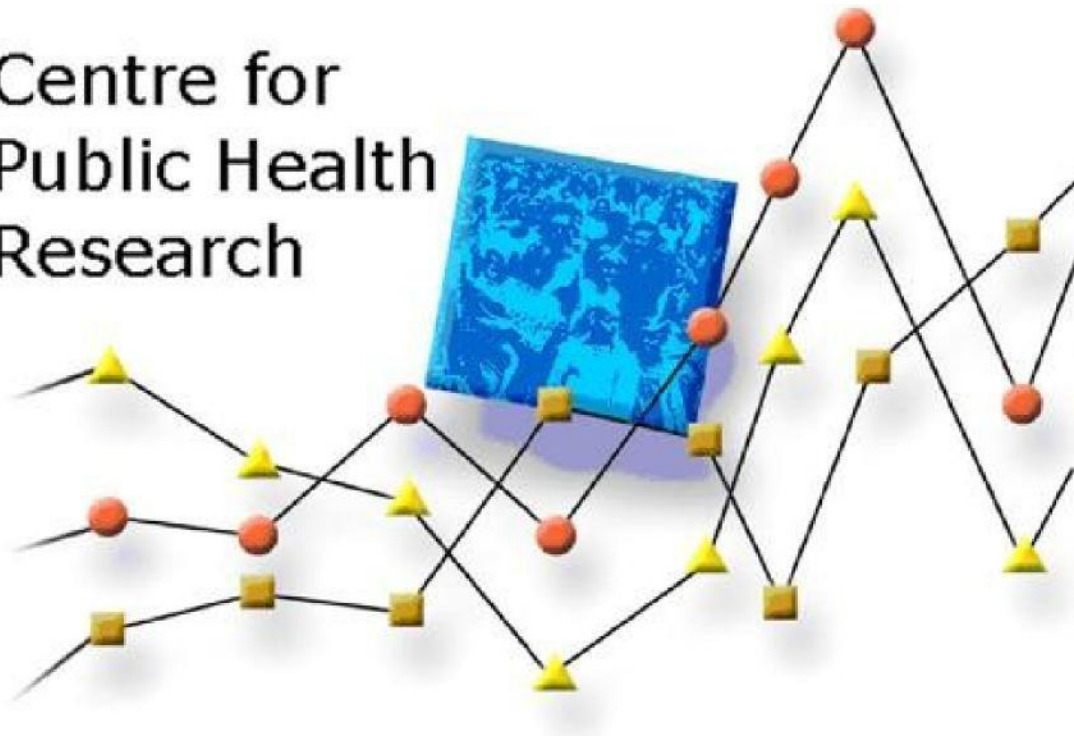


Centre for
Public Health
Research



Health Needs Assessment

Hawkes Bay District Health Board

For the Ministry of Health

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WELLINGTON

Health Needs Assessment

Hawkes Bay District Health Board

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Citation: Marsters H, Shanthakumar M, Fyfe C, Borman B, Dayal S. 2012. Health Needs Assessment, Hawkes Bay District Health Board. Report for the Ministry of Health. Wellington: Massey University.

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EXECUTIVE SUMMARY

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

Demographics and social determinants of health

Hawkes Bay DHB had a population of 152,600 at the last (2006) census. This is expected to increase by 4.4 percent to 159,240 by 2026. The DHB has a large Māori population, 24.1 percent of the total Hawkes Bay population identified themselves as Māori at the last census. The population is dominated by those of working age, but is expected to age considerably by 2026. The Māori population has a much younger age structure than the non-Māori population.

In Hawkes Bay DHB the population is spread relatively evenly across the NZDep06 scale of deprivation, however there is a trend towards the higher deprivation deciles. Māori have far greater representation in the higher deprivation deciles compared to non-Māori.

Health status

Avoidable mortality and hospitalisations

There was no statistically significant difference between the avoidable mortality rate for Māori and non-Māori. Ischaemic heart disease was the leading cause of avoidable mortality for both ethnic groups.

Diabetes and lung cancer were the second and third ranked major cause of death for Māori, compared to suicide and self-inflicted injuries and motor vehicle accidents for non-Māori.

The rates for avoidable hospitalisations for Māori females and total Māori in the Hawkes Bay DHB were statistically significantly higher than the comparable non-Māori rates. Respiratory infections, dental conditions, angina, and ENT infections were leading causes of hospitalisation for both Māori and non-Māori.

Child and youth health

Respiratory infections and disorders related to length of gestation and fetal growth were leading causes of hospitalisation for both Māori and non-Māori children aged 0-4 years. For Māori, dental conditions was also a major cause of hospitalisation, compared to non-Māori and nationally.

There was no difference in the leading causes of hospitalisations between Māori and non-Māori children 5-14 years of age which were: respiratory conditions, dental conditions, ¹persons

¹ Persons encountering health services for specific procedures and health care (Z40-Z54) - These are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a

encountering health services for specific procedures and health care, and injuries to the elbow and forearm.

The unintentional injury mortality rate for Māori youths (15-24 years) was statistically significantly higher than that for non-Māori.

Māori children less than 15 years admitted to hospital for asthma had a statistically significantly higher rate than non-Māori children.

Older people

Ischaemic heart disease was the leading cause of mortality for both Māori and non-Māori aged 65+ years, but there was a difference in the ranking of the subsequent major causes between the ethnic groups. For Māori, lung cancer, COPD, and diabetes were other major causes of death, compared to stroke, COPD and colorectal cancer for non-Māori.

Angina was the leading cause of hospitalisation for both Māori and non-Māori aged 65+ years in the Hawkes Bay DHB, in contrast to the national experience. COPD, ischaemic heart disease, and respiratory infections were the other leading causes for hospitalisation for Māori, while disorders of the lens was a leading cause for non-Māori.

Other conditions

Mortality and hospitalisation rates for ischaemic heart disease were statistically significantly higher for Māori compared to non-Māori.

The Māori hospitalisation and registration rates for lung cancer were statistically significantly higher than the non-Māori rate. In contrast, the hospitalisation and registration rates for melanoma were statistically significantly lower among Māori than non-Māori.

Health service utilisation

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

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

The breast cancer screening coverage for Māori women (48.9%) was lower than the national (51.5%) and non-Māori (66.8%) coverage rates.

In the DHB, 57.8 percent of Maori women aged 20 to 69 years had a cervical smear in the past three years, compared to 81.5 percent of non-Māori women.

disease or injury, but who are receiving follow up care. For example, follow-up care involving plastic surgery or other surgical follow-up care.

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 Hawkes Bay 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

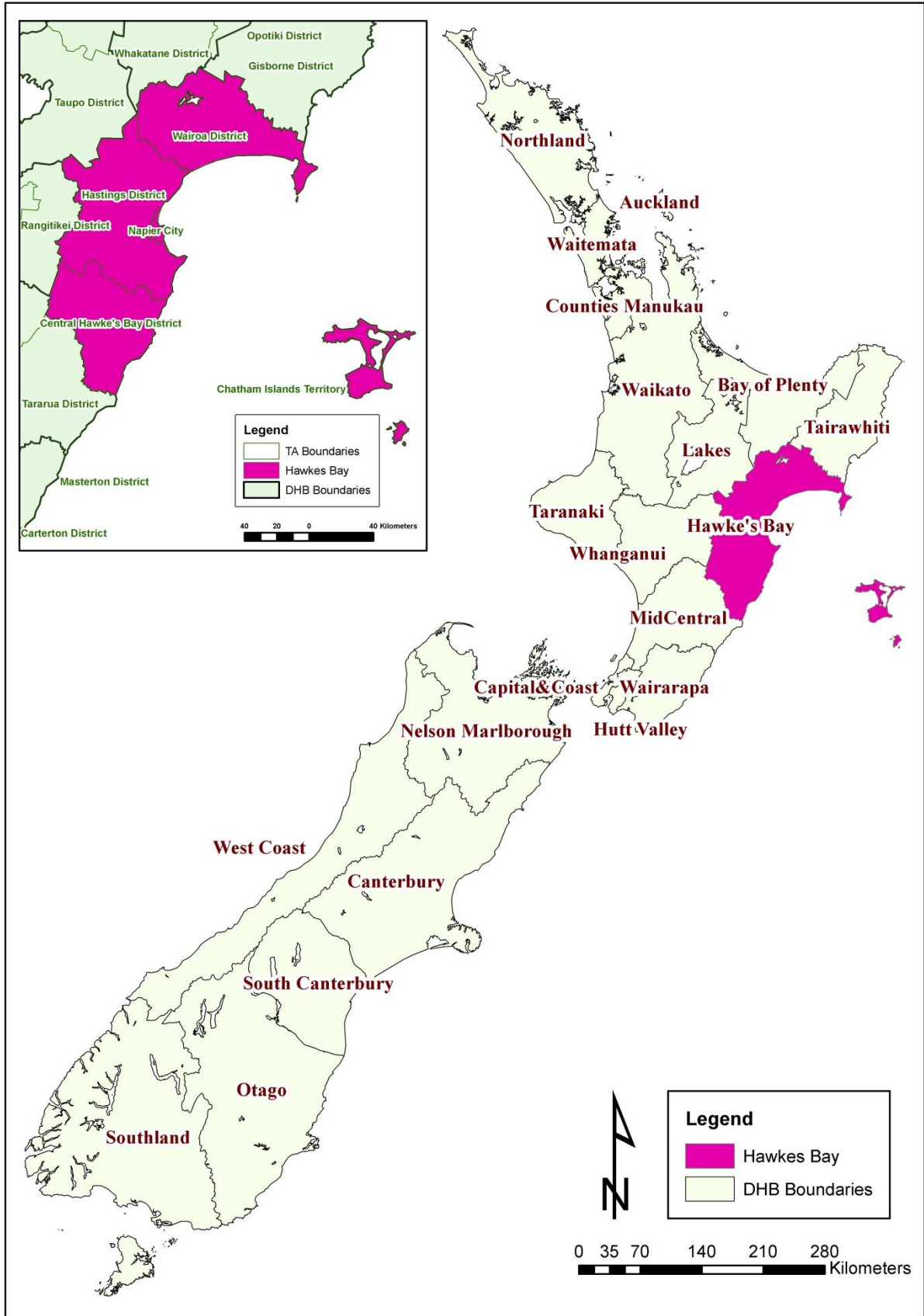
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non-Māori population in the DHB (622.3 per 100,000)

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

Hawkes Bay DHB had a population of 152,600 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 159,240 by 2026, an increase of 4.4 percent (compared to 19.2 percent for New Zealand).

1.1 Ethnicity

The proportion of people identifying themselves as Māori in Hawkes Bay is substantially more than that of New Zealand as a whole, (24.1% compared to 14.6%). This represents 5.9 percent of the New Zealand Māori population (2006 Census).

1.2 Population Distribution by Age and Gender

The majority of the Hawkes Bay DHB population (63.4%) are of working age (15-64 years); this makes up a lesser proportion of the population than in New Zealand as a whole (66.5%), (Table 1.1). There are proportionately more young people (aged 0-14 years) and elderly (aged 65+ years) in Hawkes Bay when compared to the New Zealand population.

It is projected that by 2026, the proportion in the 65+ age group will have increased by 72.8 percent compared to 84.5 percent for New Zealand. Populations of both young people and those of working age are predicted to decline in Hawkes Bay, (by 10.8% and 5.1%) respectively. Trends for the rest of New Zealand for these age groups are for modest population increases.

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
Hawkes Bay	0-14	24.0	21.7	22.8	20.4	18.5	19.5
	15-64	63.5	63.4	63.4	58.0	57.4	57.7
	65+	12.6	15.0	13.8	21.6	24.0	22.9
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
Hawkes Bay	0-14	17790	16970	34750	15920	15060	30980	-10.5	-11.3	-10.8
	15-64	47150	49620	96780	45210	46620	91850	-4.1	-6.0	-5.1
	65+	9330	11730	21070	16880	19520	36410	80.9	66.4	72.8
	Total	74270	78320	152600	78010	81200	159240	5.0	3.7	4.4
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

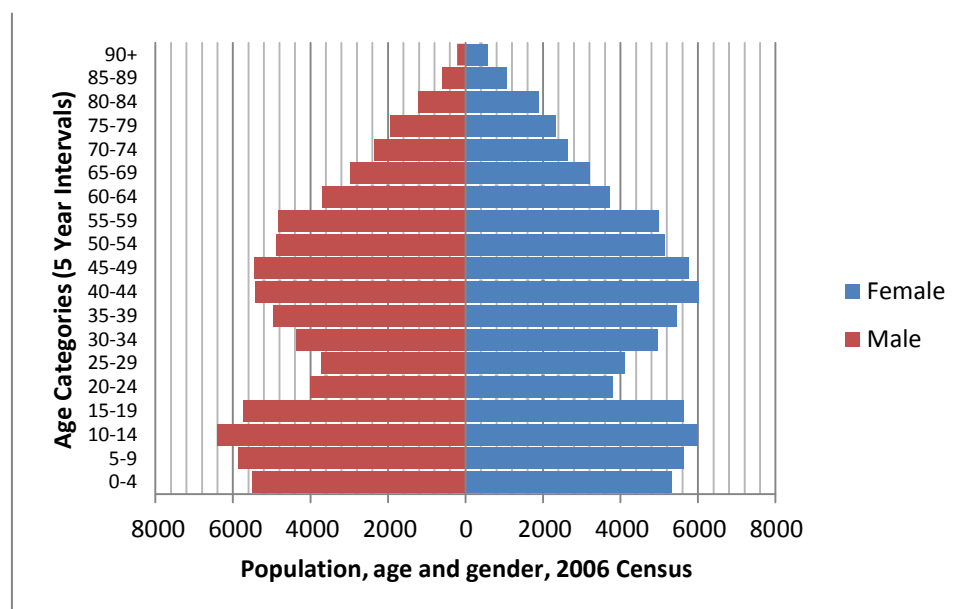
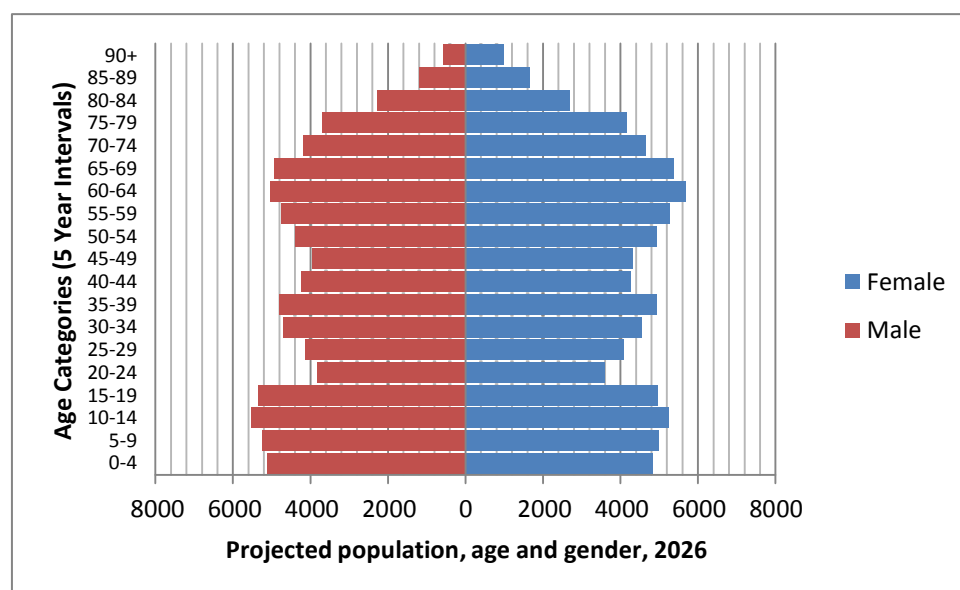
Figure 1: Population, age and gender, 2006 Census

Figure 2: Projected population, age and gender, 2026



1.3 Population Distribution by Ethnicity

The Māori population is younger than both the non-Māori and total Hawkes Bay populations. The Hawkes Bay 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 40-49 years.

Over the period 2006-2026, the Māori population will fall across all age categories apart from the elderly, whilst the rest of the New Zealand Māori population is expected to increase across all age categories. By comparison with the non-Māori population however, the rate of decline is much lower (10.8% compared to 24.1% for young people and 5.1% compared to 12.8% for those of working age).

Despite the proportional changes described above and in Table 1.3 and Table 1.4, the predicted Māori population in 2026 is still dominated by young people, with the peak population lowering to 0-4 years. The working age population becomes much more even and the decline in numbers as the population ages is less pronounced. The aging of the non-Māori population is much more dramatic, with peak population increasing to 60-69 years.

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

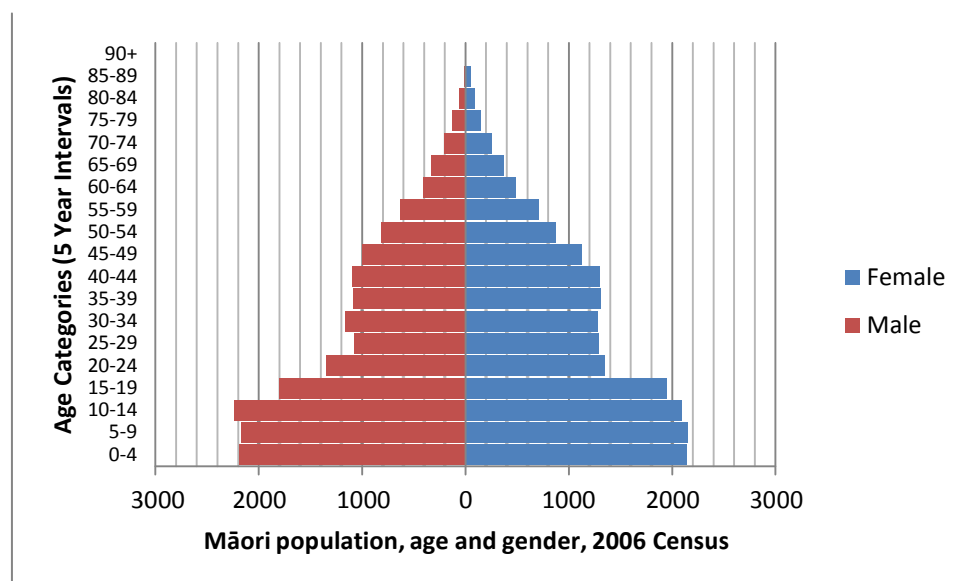


Figure 4: Non-Māori population, age and gender, 2006 Census

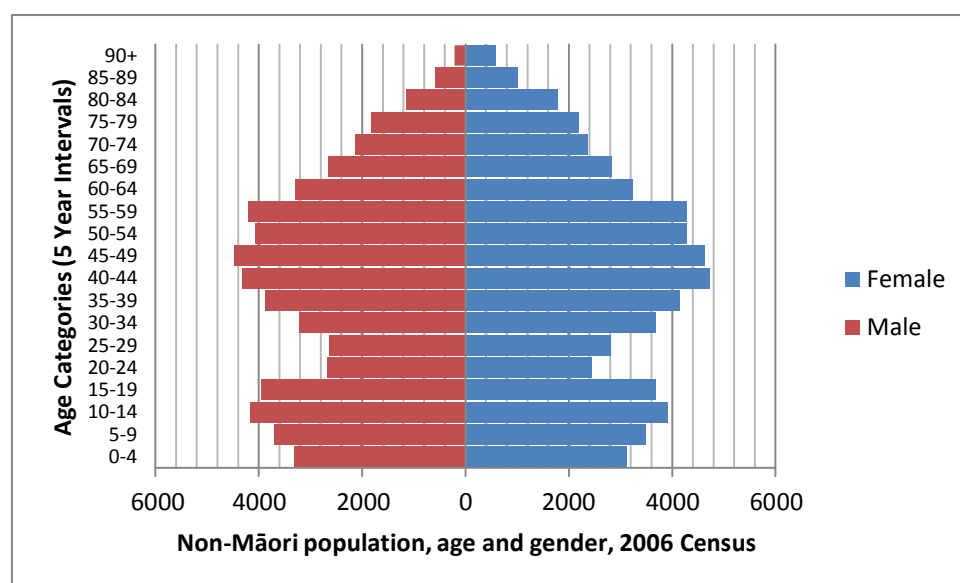


Table 1.3: Māori population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Hawkes Bay	0-14	6600	6380	12980	7430	7030	14450	-10.5	-11.3	-10.8
	15-64	10440	11680	22120	12970	13770	26740	-4.1	-6.0	-5.1
	65+	740	920	1670	1740	2270	4020	80.9	66.4	72.8
	Total	17780	18980	36770	22140	23070	45210	5.0	3.7	4.4
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
Hawkes Bay	0-14	11190	10590	21770	8490	8030	16530	-24.1	-24.2	-24.1
	15-64	36710	37940	74660	32240	32850	65110	-12.2	-13.4	-12.8
	65+	8590	10810	19400	15140	17250	32390	76.3	59.6	67.0
	Total	56490	59340	115830	55870	58130	114030	-1.1	-2.0	-1.6
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

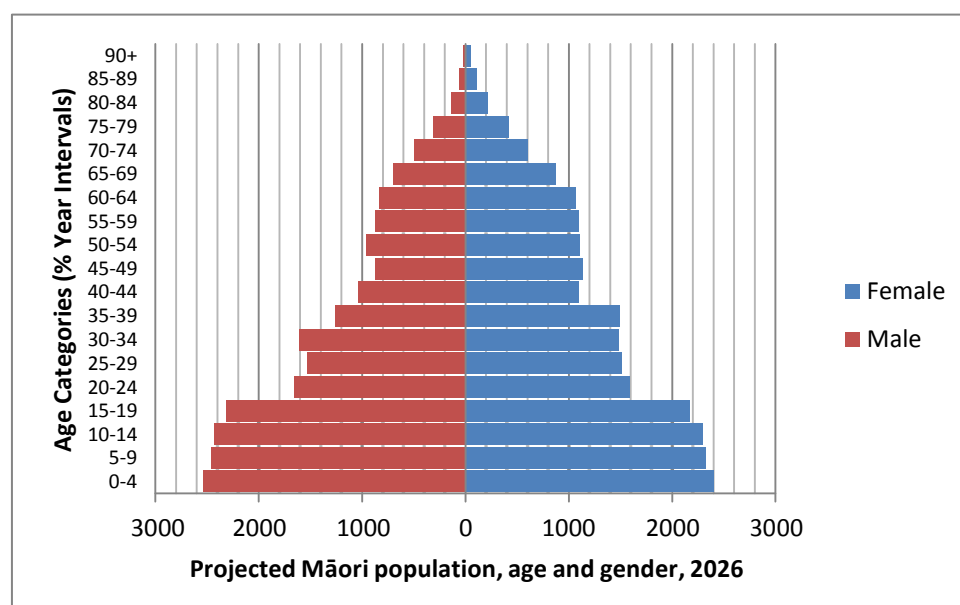
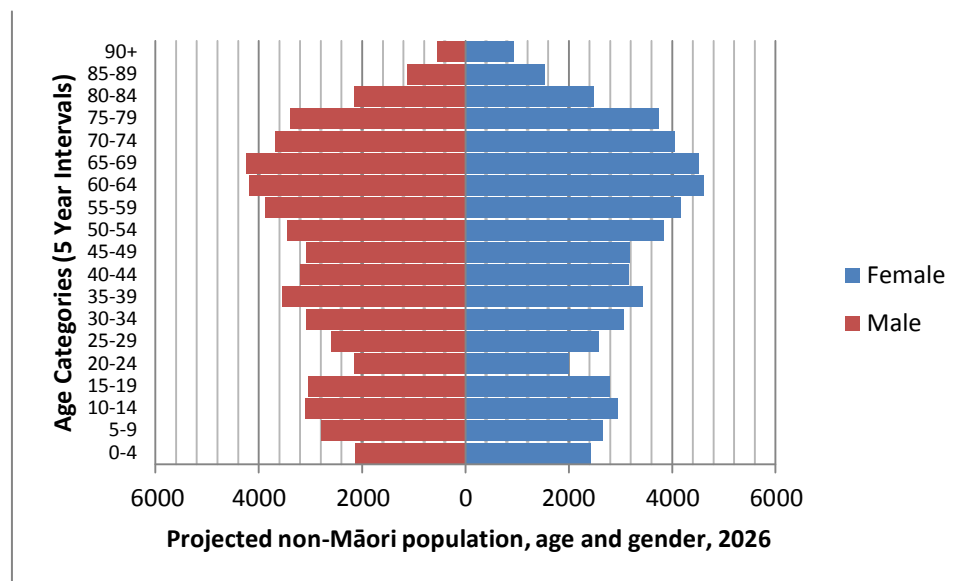


Figure 6: Projected non-Māori population, age and gender, 2026



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 the Hawkes Bay DHB the population is spread relatively evenly across the NZDep06 deciles, however there is a trend towards the higher deprivation deciles. There is a very visible difference between Māori and non-Māori. Whilst non-Māori are represented relatively evenly across all deciles, Māori representation is dominant in the higher deprivation deciles. Around 50.0 percent of Māori are in Deciles 9 and 10, more than double percentage for non-Māori.

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

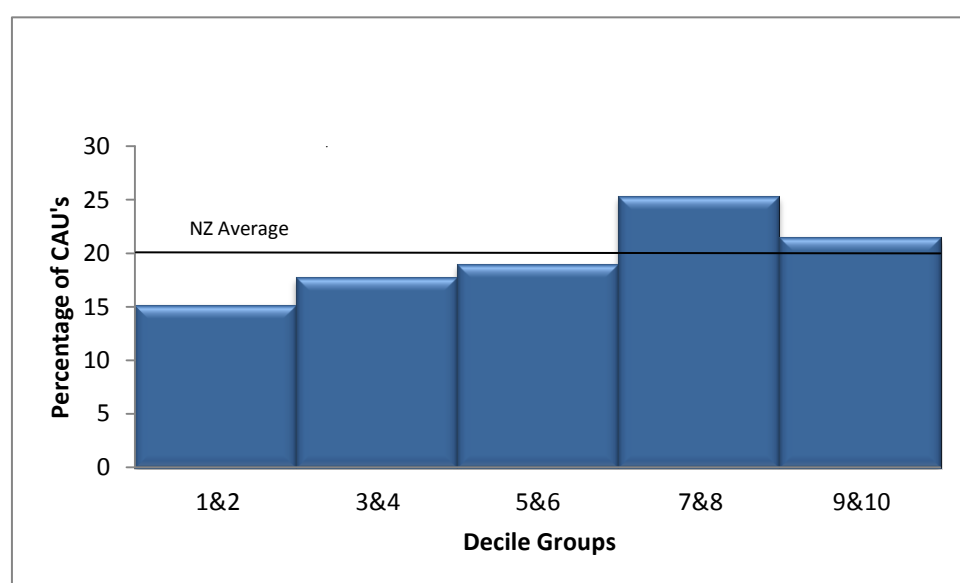


Figure 8: Hawkes Bay DHB population, ethnicity and NZDep06 Decile

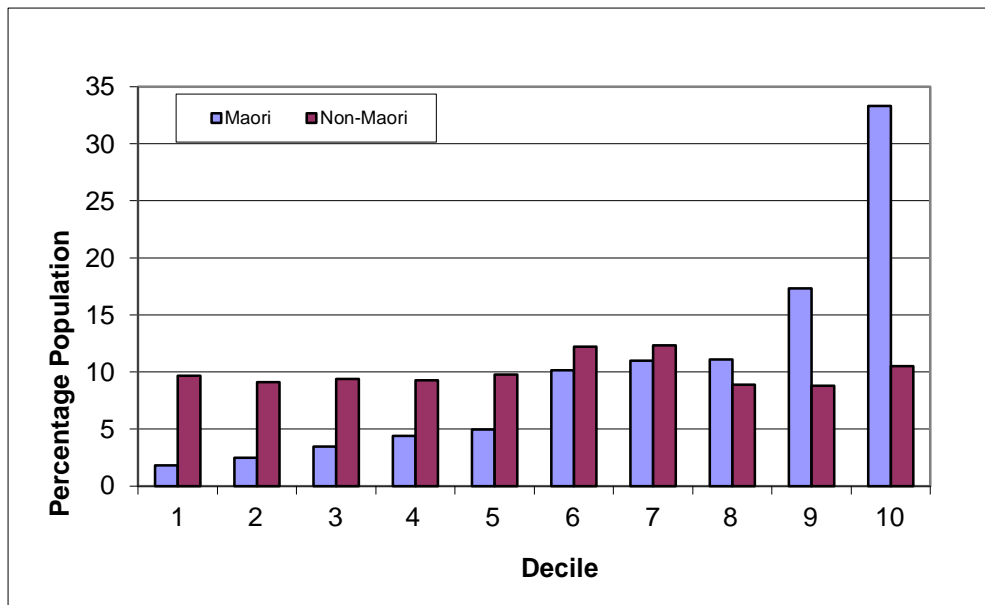
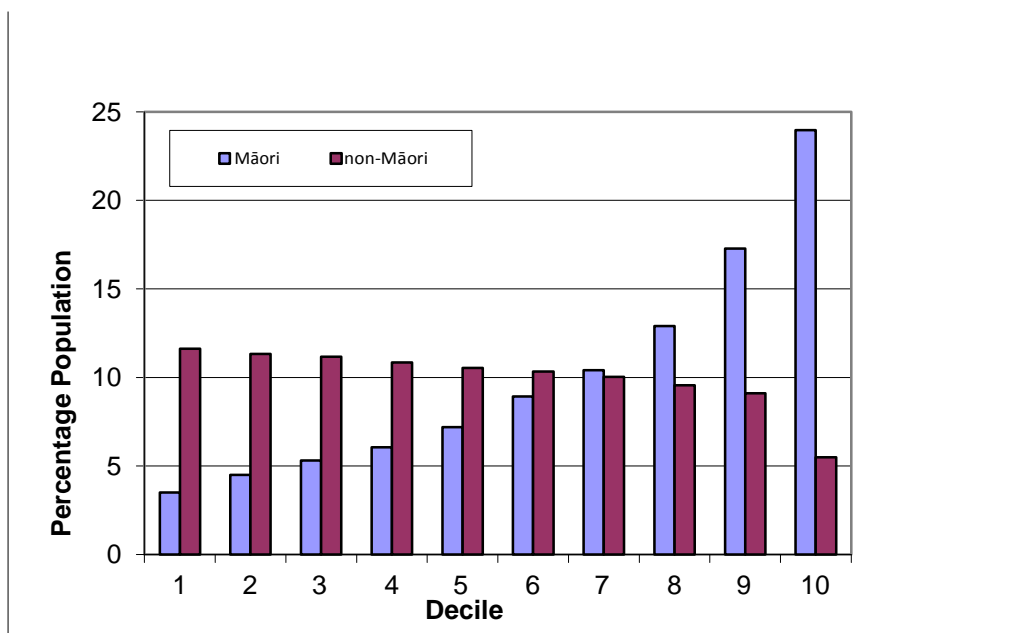


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



2.2 Education

The population of Hawkes Bay DHB has a lower proportion of university graduates (degree level and above) (9.1%), compared to the New Zealand population (14.2%). It also has a higher rate of people with no qualifications (27.6% compared to 22.4% for New Zealand).

2.3 Income

The Hawkes Bay DHB population has a lower proportion of the population earning over \$30,000 in personal income; 33.5 percent compared to 37.3 percent for New Zealand. This represents a lower proportion of people earning around or above the average annual personal income in New Zealand, which stood at \$33,189 in 2006/07 (Statistics New Zealand, 2012).

2.4 Employment

The employment rate for the Hawkes Bay DHB population is similar to that for New Zealand (95.4% compared to 94.9%). In terms of type of employment, there is a lower proportion of professionals and managers in Hawkes Bay (30.3% compared to 36.0% nationally) and a higher proportion of labourers (17.9% compared to 11.0% nationally).

2.5 Housing Tenure

The distribution of housing tenure in the Hawkes Bay DHB is very similar to that of New Zealand.

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

Location	Unit	Total, dwelling owned or partly owned by usual resident(s)	Total, dwelling not owned or partly owned by usual resident(s)	Total, dwelling held in a family trust by usual resident(s)	Not elsewhere included	Total
Hawkes Bay	Number	28,077	16533	6828	3384	54822
	Percentage	51.2	30.2	12.5	6.1	100.0
New Zealand	Number	743955	451965	167925	90333	1454178
	Percentage	51.2	31.1	11.5	6.2	100.0

2.6 Communications and Transport

Slightly fewer people have access to a cell phone and the internet in Hawes Bay (67.8% and 52.9% respectively) when compared to New Zealand overall (71.1% and 58.0% respectively).

Access to a motor vehicle in the Hawkes Bay is very similar to that of New Zealand as a whole.

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 Hawkes Bay DHB district, in comparison to all New Zealanders.

Key points

- There was no statistically significant difference between the avoidable mortality rate for Māori and non-Māori. Ischaemic heart disease was the leading cause of avoidable mortality for both ethnic groups.
- Diabetes and lung cancer were the second and third ranked major cause of death for Māori, compared to suicide and self-inflicted injuries and motor vehicle accidents for non-Māori.
- The rates for avoidable hospitalisations for Māori females and total Māori in the Hawkes Bay DHB were statistically significantly higher than the comparable non-Māori rates. Respiratory infections, dental conditions, angina, and ENT infections were leading causes of hospitalisation for both Māori and non-Māori.
- Respiratory infections and disorders related to length of gestation and fetal growth were leading causes of hospitalisation for both Māori and non-Māori children aged 0-4 years. For Māori, dental conditions was also a major cause of hospitalisation, compared to non-Māori and nationally.
- There was no difference in the leading causes of hospitalisations between Māori and non-Māori children 5-14 years of age which were: respiratory conditions, dental conditions, persons encountering health services for specific procedures and health care, and injuries to the elbow and forearm.
- Ischaemic heart disease was the leading cause of mortality for both Māori and non-Māori but there was a difference in the ranking of the subsequent major causes between the ethnic groups. For Māori, lung cancer, COPD, and diabetes were other major causes of death, compared to stroke, COPD and colorectal cancer for non-Māori.
- Angina was the leading cause of hospitalisation for both Māori and non-Māori aged 65+ years in the Hawkes Bay DHB, in contrast to the national experience. COPD, ischaemic heart disease, and respiratory infections were the other leading causes for hospitalisation for Māori, while disorders of the lens was a leading cause for non-Māori.
- Mortality and hospitalisation rates for ischaemic heart disease were statistically significantly higher for Māori compared to non-Māori
- The Māori hospitalisation and registration rates for lung cancer were statistically significantly higher than the non-Māori rate. In contrast, the hospitalisation and registration rates for melanoma were statistically significantly lower among Māori than non-Māori
- The unintentional injury mortality rate for Māori youths (15-24 years) was statistically significantly higher than that for non-Māori.
- Māori children less than 15 years admitted to hospital for asthma had a statistically significantly higher rate than non-Māori children.

3.1 Avoidable Mortality

There was no statistically significant difference between the avoidable mortality rate for Māori and non-Māori in the Hawkes Bay DHB (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	
Hawkes Bay	Female	242.5	48.6	- 436.3	81.8	19.9	- 143.6	107.4	47.6	- 167.2
	Male	352.8	99.0	- 606.6	134.4	53.7	- 215.0	177.4	93.7	- 261.0
	Total	295.6	137.4	- 453.7	107.4	56.8	- 158.1	141.8	90.5	- 193.1
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

Ischaemic heart disease was the leading cause of mortality for both Māori and non-Māori in both the Hawkes Bay DHB and New Zealand generally (Table 3.2). However, diabetes and lung cancer were the second and third ranked major cause of death for Māori, compared to suicide and self-inflicted injuries and motor vehicle accidents for non-Māori.

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

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

For females in the DHB, the major causes of mortality were ischaemic heart disease, breast cancer, lung cancer and diabetes, compared to ischaemic heart disease, motor vehicle accidents, suicide and self-inflicted injuries, and diabetes for males (Table 3.3).

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

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

3.3 Avoidable Hospitalisations

The rates for avoidable hospitalisations for Māori females and total Māori in the Hawkes Bay DHB were statistically significantly higher than the comparable non-Māori rates (Table 3.4).

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	
Hawkes Bay	Female	4867.8	3924.5	- 5811.1	2827.7	2324.2	- 3331.3	3357.3	2912.6	- 3802.1
	Male	4576.8	3634.9	- 5518.7	3194.3	2669.2	- 3719.5	3543.2	3092.3	- 3994.1
	Total	4729.1	4062.6	- 5395.6	3008.9	2645.1	- 3372.6	3448.2	3131.7	- 3764.8
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, angina, and ENT infections were leading causes of hospitalisation for both Māori and non-Māori in the Hawkes Bay DHB (Table 3.5). Asthma was also a major cause of hospitalisation for Māori, compared to gastroenteritis for non-Māori.

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

	Hawkes Bay 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
	Asthma	5	Angina	5
non-Māori	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Angina	3	ENT infections	3
	ENT infections	4	Dental conditions	4
	Dental conditions	5	Angina	5

Note: ENT infections= ear, nose and throat infections

The leading causes of avoidable hospitalisations for Hawkes Bay were essentially the same as those for New Zealand as a whole (Table 3.6). The exception was angina which was a leading cause of hospitalisation for both genders in the DHB.

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

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

Note: ENT infections= ear, nose and throat infections

3.5 Unintentional Injury Mortality

There were no statistically significant difference in the unintentional injury mortality rates between Māori and non-Māori or between Hawkes Bay and New Zealand (Table 3.7).

Table 3.7: Unintentional injury mortality, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Hawkes Bay	Female	14.3	-36.2	- 64.9	12.9	-17.7	- 43.4	13.6	-12.8	- 39.9
	Male	72.8	-48.3	- 193.8	32.0	-17.4	- 81.4	45.1	-5.6	- 95.8
	Total	42.7	-21.5	- 106.8	22.3	-6.7	- 51.3	29.3	0.7	- 57.9
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 hospitalisation rates for unintentional injuries for Māori were not statistically significantly different from the non-Māori rates (Table 3.8).

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	
Hawkes Bay	Female	1162.4	689.2	- 1635.6	878.0	590.4	- 1165.7	977.4	731.1	- 1223.7
	Male	2099.7	1438.8	- 2760.6	1682.1	1292.9	- 2071.2	1800.8	1469.0	- 2132.6
	Total	1610.6	1211.4	- 2009.8	1283.9	1041.1	- 1526.6	1387.1	1180.8	- 1593.4
New Zealand	Female	1344.0	1220.6	- 1467.5	1133.4	1077.2	- 1189.6	1174.8	1124.1	- 1225.5
	Male	2485.9	2315.3	- 2656.6	2015.8	1942.3	- 2089.3	2095.7	2028.9	- 2162.6
	Total	1900.9	1796.5	- 2005.3	1575.3	1529.0	- 1621.6	1634.3	1592.4	- 1676.3

3.7 Child Health (0-14 years)

3.7.1 Leading causes of hospitalisations for children 0-4 years by ethnicity Respiratory infections and disorders related to length of gestation and fetal growth were leading causes of hospitalisation for both Māori and non-Māori children (Table 3.9). For Māori, dental conditions was also a major cause of hospitalisation, compared to non-Māori and nationally.

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

	Hawkes Bay DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Respiratory infections	1	Respiratory infections	1
	Disorders related to length of gestation and fetal growth	2	Persons encountering health services in other circumstances	2
	*Persons encountering health services in other circumstances	3	Disorders related to length of gestation and fetal growth	3
	**Persons encountering health services for specific procedures and health care	4	Gastro-oesophageal reflux disease	4
	Dental conditions	5	ENT infections	5
non-Māori	Respiratory infections	1	Persons encountering health services in other circumstances	1
	Persons encountering health services in other circumstances	2	Respiratory infections	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	Other viral diseases	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. ** 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.

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

In Hawkes Bay DHB, the leading causes of hospitalisations for boys and girls 0-4 years of age were similar to that for New Zealand in total (Table 3.10). These were: respiratory infections, persons encountering health services in other circumstances, disorders related to length of gestations and fetal growth, gastro-oesophageal reflux disease, and ENT infections.

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

Hawkes Bay 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
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	ENT infections	5	ENT infections	5
Male	Respiratory infections	1	Respiratory infections	1
	Persons encountering health services in other circumstances	2	Persons encountering health services in other circumstances	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	Asthma	5	ENT infections	5
Total	Respiratory infections	1	Respiratory infections	1
	Persons encountering health services in other circumstances	2	Persons encountering health services in other circumstances	2
	Disorders related to length of gestation and fetal growth	3	Disorders related to length of gestation and fetal growth	3
	Gastro-oesophageal reflux disease	4	Gastro-oesophageal reflux disease	4
	Asthma	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

There was no difference in the leading causes of hospitalisations between Māori and non-Māori children 5-14 years of age which were: respiratory conditions, dental conditions, persons encountering health services for specific procedures and health care, and injuries to the elbow and forearm (Table 3.11).

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

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

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

Table 3.12 shows that the leading causes of hospitalisations for boys and girls in the DHB 5-14 years of age were the same as those nationally: respiratory infections, dental conditions, injuries to the elbow and forearm, and ENT infections.

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

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

Although ischaemic heart disease was the leading cause of mortality for both Māori and non-Māori, there was a difference in the ranking of the subsequent major causes between the ethnic groups (Table 3.13). For Māori, lung cancer, COPD, and diabetes were other major causes of death, compared to stroke, COPD and colorectal cancer for non-Māori.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

In the Hawkes Bay DHB, ischaemic heart disease, stroke, COPD, lung cancer, and colorectal cancer were the leading causes of mortality for older men and women (Table 3.14).

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

	Hawkes Bay 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
	Breast cancer (female only)	5	Colorectal cancer	5
Male	Ischaemic heart disease	1	Ischaemic heart disease	1
	COPD	2	Lung cancer	2
	Lung cancer	3	COPD	3
	Stroke	4	Stroke	4
	Colorectal cancer	5	Colorectal cancer	5
Total	Ischaemic heart disease	1	Ischaemic heart disease	1
	Stroke	2	Stroke	2
	Lung cancer	3	COPD	3
	COPD	4	Lung cancer	4
	Colorectal cancer	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

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

Angina was the leading cause of hospitalisation for both Māori and non-Māori aged 65+ years in the Hawkes Bay DHB which contrasts with the national experience (Table 3.15). COPD, ischaemic heart disease, and respiratory infections were the other leading causes for hospitalisation for Māori, while disorders of the lens was a leading cause for non-Māori.

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

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

There was little difference between the genders in the leading causes of hospitalisation for those aged 65+ years in the Hawkes Bay DHB (Table 3.16).

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

	Hawkes Bay DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Angina	1	Persons encountering health services for specific procedures and health care	1
	Ischaemic heart disease	2	Angina	2
	Other forms of heart disease	3	Respiratory infections	3
	Disorders of lens	4	COPD	4
	Respiratory infections	5	Other forms of heart disease	5
Male	Ischaemic heart disease	1	Persons encountering health services for specific procedures and health care	1
	Angina	2	Angina	2
	Respiratory infections	3	Respiratory infections	3
	Other forms of heart disease	4	Ischaemic heart disease	4
	*Persons encountering health services for specific procedures and health care	5	Other forms of heart disease	5
Total	Angina	1	Persons encountering health services for specific procedures and health care	1
	Ischaemic heart disease	2	Angina	2
	Other forms of heart disease	3	Respiratory infections	3
	Respiratory infections	4	Ischaemic heart disease	4
	Disorders of lens	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 Hawkes Bay DHB are available in the appendices 2-4. Key points are listed here.

3.9.1 Chronic conditions

The hospital admission rate for cardiovascular disease was statistically significantly higher for Māori than non-Māori (Appendix 3: Table 3.1.2). Mortality and hospitalisation rates for ischaemic heart disease were statistically significantly higher for Māori compared to non-Māori as well as between Hawkes Bay DHB and the national rate (Appendix 2: Table 2.1.3 and Appendix 3: Table 3.1.3).

The COPD hospitalisation rate for Māori was statistically significantly higher than the non-Māori rate as well as between women in the Hawkes Bay DHB and the national rate (Appendix 3: Table 3.1.27).

3.9.2 Cancer

The cancer specific rate for lung cancer hospitalisation and registration were statistically significantly higher for Māori than non-Māori (Appendix 3: Table 3.1.6 and Appendix 4: Table 4.1.1). However, the admission and registration rates for melanoma were statistically significantly lower among Māori than non-Māori (Appendix 3: Table 3.1.11 and Appendix 4: Table 4.1.6).

3.9.3 Other conditions

The unintentional injury mortality rate for Māori youths (15-24 years) was statistically significantly higher than that for non-Māori (Appendix 2: Table 2.1.15). Youths in the Hawkes Bay DHB also had a statistically significantly higher rate than that observed nationally.

Māori children under 15 years admitted to hospital for asthma had a statistically significantly higher rate than non-Māori children (Appendix 3: Table 3.1.28).

In the Hawkes Bay DHB, the rate of hospital admissions due to falls was statistically significantly lower than the national rate (Appendix 3: Table 3.1.31).

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 Hawkes Bay 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 considerably higher than the comparable national averages.
- The influenza vaccine coverage for those 65+ years in the DHB was similar to the national average for both Māori and non-Māori.
- The breast cancer screening coverage for Māori women (48.9%) was lower than the national (51.5%) and non-Māori (66.8%) coverage rates.
- In the DHB, 57.8 percent of Maori women aged 20 to 69 years had a cervical smear in the past three years, compared to 81.5 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.

The coverage rate for both Māori and non-Māori in Hawkes Bay DHB is considerably higher than the comparable national averages (Table 4.1).

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

DHB	Māori	non-Māori	Total
Hawkes Bay DHB	80.4%	84.2%	82.8%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

In Hawkes Bay DHB, the influenza vaccine coverage for those 65+ years was similar to the national average for both Māori and non-Māori (Table 4.2).

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

DHB	Māori	non-Māori	Total
Hawkes Bay DHB	53.3%	61.0%	62.7%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Hawkes Bay DHB aged 50-64 years who have a primary care provider, the screening coverage for Māori women (48.9%) was lower than the national (51.5%) and non-Māori coverage rates (66.8%), (Table 4.3).

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

DHB	Māori	non-Māori	Total
Hawkes Bay DHB	48.9%	66.8%	63.2%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Hawkes Bay DHB who had a primary health care provider, 57.8 percent of Maori, compared to 81.5 percent of non-Māori, had a cervical smear in the past three years (Table 4.4).

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

DHB	Māori	non-Māori	Total
Hawkes Bay DHB	57.8%	81.5%	88.1%
New Zealand	54.4%	75.5%	72.6%

REFERENCES

- Salmond, C., Crampton, P., & Atkinson, J. (2007, 08 01). *NZDep2006 Index of Deprivation User's Manual*. Retrieved 04 03, 2012, from University of Otago, Wellington:
<http://www.otago.ac.nz/wellington/otago020337.pdf>
- Statistics New Zealand. (2008, 07 03). *DHB Area Summary Tables*. Retrieved 04 02, 2012, from Statistics New Zealand:
<http://www.stats.govt.nz/searchresults.aspx?q=DHB%20census%20populations>
- Statistics New Zealand. (2012, 01 24). *Household Economic Survey: Year ended June 2010*. Retrieved 04 03, 2012, from Statistics New Zealand:
http://www.stats.govt.nz/browse_for_stats/people_and_communities/Households/HouseholdEconomicSurvey_HOTPYeJun10/Commentary.aspx
- The National Health Committee. (2008, June 01). *The Social, Cultural and Economic Determinants of Health in New Zealand: Action to Improve Health*. Retrieved 04 03, 2012, from National Health Committee:
<http://www.nhc.health.govt.nz/sites/www.nhc.health.govt.nz/files/documents/publications/det-health.pdf>
- World Health Organisation. (2008). *Closing the gap in a generation: health equity through action on the social determinants of health. Final Report of the Commission on Social Determinants of Health*. Geneva: WHO.

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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			
Hawkes Bay	0-14	17,790	16,970	34,750	17,320	16,520	33,850	16,990	16,170	33,170	16,730	15,830	32,560	15,920	15,060	30,980	-	10.5	-	11.3	-	10.8
	15-64	47,150	49,620	96,780	47,720	49,970	97,700	47,150	49,310	96,470	46,170	48,070	94,230	45,210	46,620	91,850	-	4.1	-	6.0	-	5.1
	65+	9,330	11,730	21,070	11,270	13,410	24,670	13,000	15,130	28,110	14,890	17,200	32,080	16,880	19,520	36,410		80.9		66.4		72.8
	Total	74,270	78,320	152,600	76,310	79,900	156,220	77,140	80,610	157,750	77,790	81,100	158,870	78,010	81,200	159,240		5.0		3.7		4.4
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
Hawkes Bay	1,120	1,070	2,180	1,130	1,070	2,200	1,070	1,010	2,080	1,030	980	2,010	1,010	950	1,960	- 9.8	- 11.2	- 10.1
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			
Hawkes Bay	4,390	4,260	8,650	4,740	4,450	9,200	4,430	4,190	8,620	4,220	3,980	8,200	4,110	3,880	7,990	-	6.4	-	8.9	-	7.6
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

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			
Hawkes Bay	5,880	5,640	11,520	5,640	5,360	11,000	5,950	5,610	11,570	5,510	5,220	10,730	5,260	4,980	10,240	-	10.5	-	11.7	-	11.1
New Zealand	149,230	142,650	291,880	151,640	144,070	295,710	163,170	153,990	317,160	159,530	151,110	310,640	158,510	150,120	308,630		6.2		5.2		5.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Hawkes Bay	6,400	6,000	12,400	5,810	5,640	11,450	5,540	5,360	10,900	5,970	5,650	11,620	5,540	5,250	10,790	-	13.4	-	12.5	-	13.0
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
Hawkes Bay	5,750	5,630	11,390	5,670	5,210	10,870	5,270	4,980	10,250	4,920	4,690	9,610	5,360	4,970	10,330	-	6.8	- 11.7 - 9.3
New Zealand	159,400	154,160	313,560	160,800	153,760	314,560	154,110	148,300	302,410	152,660	146,680	299,340	167,590	159,430	327,020	5.1	3.4	4.3

Table 1.1.7: Projected 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
Hawkes Bay	4,020	3,800	7,820	4,690	4,550	9,240	4,660	4,230	8,890	4,160	3,890	8,050	3,820	3,590	7,410	-	5.0	- 5.5 - 5.2
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
Hawkes Bay	3,730	4,110	7,840	4,080	4,120	8,200	4,600	4,710	9,310	4,630	4,430	9,050	4,130	4,090	8,220	10.7	-	0.5 4.8
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
Hawkes Bay	4,380	4,970	9,350	3,820	4,150	7,970	4,070	4,130	8,200	4,670	4,840	9,520	4,700	4,550	9,260	7.3	-	8.5 - 1.0
New Zealand	136,320	149,700	286,010	137,460	145,930	283,390	152,120	156,340	308,450	169,600	165,430	335,030	172,310	167,630	339,940	26.4	12.0	18.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hawkes Bay	4,970	5,460	10,430	4,380	4,860	9,240	3,940	4,340	8,290	4,200	4,220	8,420	4,800	4,930	9,730	-	3.4	- 9.7 - 6.7
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
Hawkes Bay	5,420	6,020	11,440	5,000	5,520	10,530	4,550	5,090	9,640	4,000	4,380	8,380	4,250	4,260	8,510	-	21.6	- 29.2 - 25.6
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
Hawkes Bay	5,470	5,760	11,240	5,210	5,720	10,930	4,960	5,430	10,390	4,510	5,040	9,540	3,960	4,330	8,300	-	27.6	- 24.8 - 26.2
New Zealand	149,120	156,040	305,160	152,810	163,480	316,290	149,650	163,730	313,380	139,930	154,200	294,120	136,740	146,680	283,430	-	8.3	- 6.0 - 7.1

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hawkes Bay	4,880	5,150	10,020	5,400	5,860	11,260	5,250	5,830	11,080	4,860	5,330	10,180	4,410	4,950	9,360	-	9.6	- 3.9 - 6.6
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
Hawkes Bay	4,830	4,990	9,820	4,830	5,110	9,940	5,210	5,580	10,790	5,120	5,760	10,890	4,750	5,270	10,020	-	1.7	5.6 2.0
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
Hawkes Bay	3,700	3,730	7,430	4,640	4,870	9,520	4,640	4,990	9,630	5,100	5,490	10,590	5,030	5,680	10,710		35.9	52.3 44.1
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
Hawkes Bay	2,990	3,210	6,200	3,730	3,880	7,620	4,510	4,780	9,290	4,480	4,880	9,360	4,940	5,380	10,310		65.2	67.6 66.3
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
Hawkes Bay	2,350	2,640	5,000	2,920	3,240	6,150	3,280	3,470	6,750	4,190	4,540	8,730	4,180	4,650	8,840		77.9	76.1 76.8
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
Hawkes Bay	1,960	2,340	4,300	2,080	2,350	4,430	2,400	2,760	5,160	2,890	3,170	6,060	3,710	4,160	7,870	89.3	77.8	83.0
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
Hawkes Bay	1,220	1,890	3,110	1,510	1,960	3,460	1,550	1,990	3,540	1,880	2,330	4,210	2,290	2,700	4,990	87.7	42.9	60.5
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
Hawkes Bay	600	1,070	1,670	740	1,260	2,000	880	1,310	2,180	950	1,350	2,300	1,190	1,650	2,840	98.3	54.2	70.1
New Zealand	13,160	25,920	39,080	19,190	30,990	50,170	22,720	32,900	55,620	24,810	34,280	59,090	32,180	43,160	75,340	144.5	66.5	92.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hawkes Bay	210	580	790	290	720	1,010	380	820	1,190	500	930	1,420	570	980	1,560	171.4	69.0	97.5
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
Hawkes Bay	74,300	78,300	152,600	76,300	79,900	156,200	77,100	80,600	157,800	77,800	81,100	158,900	78,000	81,200	159,200	5.0	3.7	4.3
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
Hawkes Bay	0-14	6,600	6,380	12,980	6,940	6,700	13,650	7,170	6,870	14,050	7,500	7,110	14,610	7,430	7,030	14,450	12.6	10.2	11.3
	15-64	10,440	11,680	22,120	11,330	12,400	23,700	11,800	12,850	24,650	12,220	13,250	25,470	12,970	13,770	26,740	24.2	17.9	20.9
	65+	740	920	1,670	890	1,180	2,040	1,090	1,430	2,520	1,380	1,800	3,190	1,740	2,270	4,020	135.1	146.7	140.7
	Total	17,780	18,980	36,770	19,160	20,280	39,390	20,060	21,150	41,220	21,100	22,160	43,270	22,140	23,070	45,210	24.5	21.5	23.0
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
Hawkes Bay	490	470	960	520	490	1,010	510	480	1,000	510	480	990	520	490	1,010	6.1	4.3	5.2
New Zealand	8,070	7,840	15,920	9,220	8,750	17,980	9,080	8,620	17,700	9,050	8,590	17,640	9,310	8,830	18,140	15.4	12.6	13.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hawkes Bay	1,700	1,670	3,370	2,090	1,980	4,080	2,040	1,930	3,980	2,000	1,900	3,900	2,020	1,910	3,930	18.8	14.4	16.6
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
Hawkes Bay	2,170	2,150	4,320	2,210	2,160	4,370	2,570	2,440	5,000	2,500	2,370	4,870	2,460	2,330	4,790	13.4	8.4	10.9
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
Hawkes Bay	2,240	2,090	4,330	2,120	2,070	4,190	2,050	2,020	4,070	2,490	2,360	4,850	2,430	2,300	4,720	8.5	10.0	9.0
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
Hawkes Bay	1,800	1,950	3,740	2,010	1,880	3,890	1,940	1,890	3,830	1,900	1,840	3,740	2,320	2,170	4,490	28.9	11.3	20.1
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
Hawkes Bay	1,350	1,350	2,700	1,640	1,720	3,360	1,830	1,660	3,490	1,690	1,650	3,340	1,660	1,590	3,250	23.0	17.8	20.4
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
Hawkes Bay	1,080	1,290	2,370	1,170	1,210	2,380	1,370	1,570	2,940	1,670	1,520	3,190	1,530	1,510	3,040	41.7	17.1	28.3
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
Hawkes Bay	1,160	1,280	2,440	1,040	1,210	2,250	1,120	1,160	2,270	1,310	1,530	2,840	1,610	1,480	3,090	38.8	15.6	26.6
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
Hawkes Bay	1,090	1,310	2,400	1,070	1,240	2,300	970	1,210	2,180	1,080	1,130	2,210	1,260	1,500	2,770	15.6	14.5	15.4
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			
Hawkes Bay	1,100	1,300	2,400	1,040	1,290	2,330	1,060	1,200	2,270	930	1,180	2,100	1,040	1,100	2,140	-	5.5	-	15.4	-	10.8
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		
Hawkes Bay	1,000	1,130	2,140	1,050	1,220	2,270	990	1,210	2,200	1,010	1,160	2,180	880	1,140	2,020	-	12.0	0.9	-	5.6
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
Hawkes Bay	820	870	1,690	940	1,130	2,060	980	1,190	2,170	930	1,160	2,090	960	1,110	2,070	17.1	27.6	22.5
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
Hawkes Bay	630	710	1,340	780	830	1,610	860	1,010	1,870	910	1,130	2,040	870	1,100	1,970	38.1	54.9	47.0
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
Hawkes Bay	410	490	900	590	670	1,250	680	750	1,430	790	950	1,740	840	1,070	1,900	104.9	118.4	111.1
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
Hawkes Bay	330	370	700	360	450	810	490	590	1,080	600	690	1,280	700	870	1,570	112.1	135.1	124.3
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
Hawkes Bay	210	260	480	280	340	610	280	370	650	400	510	920	500	600	1,100	138.1	130.8	129.2
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
Hawkes Bay	130	150	270	150	210	350	190	250	440	210	300	520	320	420	740	146.2	180.0	174.1
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
Hawkes Bay	60	90	150	70	110	180	90	140	230	120	180	300	140	220	370	133.3	144.4	146.7
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
Hawkes Bay	10	50	70	20	50	70	30	60	90	40	80	120	60	110	170	500.0	120.0	142.9
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
Hawkes Bay	-	-	-	10	20	20	10	20	30	10	40	50	20	50	70	/	/	/
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
Hawkes Bay	17,800	19,000	36,800	19,100	20,300	39,400	20,100	21,200	41,200	21,100	22,200	43,300	22,100	23,100	45,200	24.2	21.6	22.8
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
Hawkes Bay	0-14	11,190	10,590	21,770	10,380	9,820	20,200	9,820	9,300	19,120	9,230	8,720	17,950	8,490	8,030	16,530	-	24.1	- 24.2 - 24.1
	15-64	36,710	37,940	74,660	36,390	37,570	74,000	35,350	36,460	71,820	33,950	34,820	68,760	32,240	32,850	65,110	-	12.2	- 13.4 - 12.8
	65+	8,590	10,810	19,400	10,380	12,230	22,630	11,910	13,700	25,590	13,510	15,400	28,890	15,140	17,250	32,390		76.3	59.6 67.0
	Total	56,490	59,340	115,830	57,150	59,620	116,830	57,080	59,460	116,530	56,690	58,940	115,600	55,870	58,130	114,030	-	1.1	- 2.0 - 1.6
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
Hawkes Bay	630	600	1,220	610	580	1,190	560	530	1,080	520	500	1,020	490	460	950	-	22.2	- 23.3 - 22.1
New Zealand	22,080	21,070	43,140	22,610	21,440	44,040	22,300	21,140	43,440	22,330	21,160	43,490	22,190	21,040	43,220		0.5	- 0.1 0.2

Table 1.3.3: Projected Non Māori Population Aged 1-4 Years by Sex at 30 June 2007–26 (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
Hawkes Bay	2,690	2,590	5,280	2,650	2,470	5,120	2,390	2,260	4,640	2,220	2,080	4,300	2,090	1,970	4,060	-	22.3	- 23.9 - 23.1
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
Hawkes Bay	3,710	3,490	7,200	3,430	3,200	6,630	3,380	3,170	6,570	3,010	2,850	5,860	2,800	2,650	5,450	-	24.5	- 24.1 - 24.3
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
Hawkes Bay	4,160	3,910	8,070	3,690	3,570	7,260	3,490	3,340	6,830	3,480	3,290	6,770	3,110	2,950	6,070	-	25.2	- 24.6 - 24.8
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
Hawkes Bay	3,950	3,680	7,650	3,660	3,330	6,980	3,330	3,090	6,420	3,020	2,850	5,870	3,040	2,800	5,840	-	23.0	- 23.9 - 23.7
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
Hawkes Bay	2,670	2,450	5,120	3,050	2,830	5,880	2,830	2,570	5,400	2,470	2,240	4,710	2,160	2,000	4,160	-	19.1	- 18.4 - 18.8
New Zealand	121,650	119,430	241,090	138,610	130,240	268,860	136,730	130,170	266,900	128,320	123,120	251,440	126,840	121,580	248,420		4.3	1.8 3.0

Table 1.3.8: Projected Non Māori Population Aged 25-29 Years by Sex at 30 June 2007–26 (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
Hawkes Bay	2,650	2,820	5,470	2,910	2,910	5,820	3,230	3,140	6,370	2,960	2,910	5,860	2,600	2,580	5,180	-	1.9	- 8.5 - 5.3
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
Hawkes Bay	3,220	3,690	6,910	2,780	2,940	5,720	2,950	2,970	5,930	3,360	3,310	6,680	3,090	3,070	6,170	-	4.0	- 16.8 - 10.7
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
Hawkes Bay	3,880	4,150	8,030	3,310	3,620	6,940	2,970	3,130	6,110	3,120	3,090	6,210	3,540	3,430	6,960	-	8.8	- 17.3 - 13.3
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
Hawkes Bay	4,320	4,720	9,040	3,960	4,230	8,200	3,490	3,890	7,370	3,070	3,200	6,280	3,210	3,160	6,370	-	25.7	- 33.1 - 29.5
New Zealand	136,770	145,180	281,960	132,310	143,980	276,290	122,510	133,690	256,210	120,100	126,950	247,050	137,440	139,430	276,880		0.5	- 4.0 - 1.8

Table 1.3.12: Projected Non Māori Population Aged 45-49 Years by 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
Hawkes Bay	4,470	4,630	9,100	4,160	4,500	8,660	3,970	4,220	8,190	3,500	3,880	7,360	3,080	3,190	6,280	-	31.1	- 31.1 -
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 -

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
Hawkes Bay	4,060	4,280	8,330	4,460	4,730	9,200	4,270	4,640	8,910	3,930	4,170	8,090	3,450	3,840	7,290	-	15.0	- 10.3 -
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
Hawkes Bay	4,200	4,280	8,480	4,050	4,280	8,330	4,350	4,570	8,920	4,210	4,630	8,850	3,880	4,170	8,050	-	7.6	- 2.6 -
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
Hawkes Bay	3,290	3,240	6,530	4,050	4,200	8,270	3,960	4,240	8,200	4,310	4,540	8,850	4,190	4,610	8,810	27.4	42.3	34.9
New Zealand	85,130	87,400	172,530	106,870	110,450	217,310	111,830	116,770	228,590	124,870	132,090	256,960	129,380	139,370	268,750	52.0	59.5	55.8

Table 1.3.16: Projected 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
Hawkes Bay	2,660	2,840	5,500	3,370	3,430	6,810	4,020	4,190	8,210	3,880	4,190	8,080	4,240	4,510	8,740	59.4	58.8	58.9
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
Hawkes Bay	2,140	2,380	4,520	2,640	2,900	5,540	3,000	3,100	6,100	3,790	4,030	7,810	3,680	4,050	7,740	72.0	70.2	71.2
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
Hawkes Bay	1,830	2,190	4,030	1,930	2,140	4,080	2,210	2,510	4,720	2,680	2,870	5,540	3,390	3,740	7,130	85.2	70.8	76.9
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
Hawkes Bay	1,160	1,800	2,960	1,440	1,850	3,280	1,460	1,850	3,310	1,760	2,150	3,910	2,150	2,480	4,620	85.3	37.8	56.1
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
Hawkes Bay	590	1,020	1,600	720	1,210	1,930	850	1,250	2,090	910	1,270	2,180	1,130	1,540	2,670	91.5	51.0	66.9
New Zealand	12,880	25,390	38,270	18,800	30,210	49,000	22,090	31,810	53,910	23,840	32,800	56,640	30,730	41,000	71,730	138.6	61.5	87.4

Table 1.3.21: Projected Non Māori Population Aged 90+ Years by Sex at 30 June 2007–26 (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
Hawkes Bay	210	580	790	280	700	990	370	800	1,160	490	890	1,370	550	930	1,490	161.9	60.3	88.6
New Zealand	4,970	13,880	18,860	7,320	17,400	24,720	9,600	20,140	29,740	12,710	22,810	35,510	14,910	24,740	39,650	200.0	78.2	110.2

Table 1.3.22: Projected Non Māori Population by Sex at 30 June 2007–26 (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
Hawkes Bay	56,500	59,300	115,800	57,200	59,600	116,800	57,000	59,400	116,600	56,700	58,900	115,600	55,900	58,100	114,000	-	1.1	- 2.0 - 1.6
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
Hawkes Bay	Number	5,316	5,832	6,270	5,460	3,801	3,564	4,254	4,824	5,352
	Percentage	7.4	8.1	8.7	7.6	5.3	4.9	5.9	6.7	7.4
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
Hawkes Bay	Number	5,274	4,722	4,659	3,609	2,892	2,331	1,899	1,191	783	72,027
	Percentage	7.3	6.6	6.5	5.0	4.0	3.2	2.6	1.7	1.1	
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
Hawkes Bay	Number	5,166	5,568	5,949	5,277	3,675	3,930	4,866	5,307	5,961
	Percentage	6.8	7.3	7.8	6.9	4.8	5.2	6.4	7.0	7.8
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
Hawkes Bay	Number	5,589	5,013	4,857	3,618	3,096	2,595	2,295	1,842	1,614	76,221
	Percentage	7.3	6.6	6.4	4.7	4.1	3.4	3.0	2.4	2.1	
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
Hawkes Bay	Number	10,482	11,400	12,216	10,734	7,476	7,497	9,117	10,128	11,316
	Percentage	7.1	7.7	8.2	7.2	5.0	5.1	6.1	6.8	7.6
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
Hawkes Bay	Number	10,860	9,735	9,516	7,230	5,988	4,926	4,194	3,033	2,397	148,248
	Percentage	7.3	6.6	6.4	4.9	4.0	3.3	2.8	2.0	1.6	
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	
	Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,974	39.9	32,355	25.1	2,973	60.1	96,579	74.9	4,947	95.8	128,934	95.7	219	4.2	5,760	4.3	5,163	134,697
5–9	2,025	37.8	32,544	24.2	3,333	62.2	101,832	75.8	5,358	96.2	134,376	96.0	210	3.8	5,577	4.0	5,568	139,956
10–14	1,998	34.7	32,379	22.6	3,762	65.3	110,901	77.4	5,760	96.8	143,280	96.2	186	3.1	5,613	3.8	5,949	148,896
15–19	1,734	34.0	29,502	20.8	3,360	66.0	112,365	79.2	5,094	96.5	141,867	96.0	183	3.5	5,895	4.0	5,277	147,759
20–24	1,218	34.7	22,434	17.4	2,289	65.3	106,608	82.6	3,507	95.4	129,042	95.0	168	4.6	6,849	5.0	3,678	135,891
25–29	1,173	30.9	20,529	17.2	2,625	69.1	98,604	82.8	3,798	96.6	119,133	95.1	132	3.4	6,090	4.9	3,933	125,226
30–34	1,212	25.6	21,384	15.3	3,522	74.4	118,290	84.7	4,734	97.3	139,674	95.9	135	2.8	6,000	4.1	4,866	145,677
35–39	1,215	23.7	20,790	13.6	3,903	76.3	131,550	86.4	5,118	96.4	152,340	96.1	192	3.6	6,210	3.9	5,307	158,553
40–44	1,251	21.8	19,905	12.7	4,497	78.2	136,773	87.3	5,748	96.4	156,678	96.2	213	3.6	6,120	3.8	5,961	162,798
45–49	1,026	19.0	16,926	11.7	4,383	81.0	127,536	88.3	5,409	96.8	144,462	96.1	180	3.2	5,907	3.9	5,586	150,369
50–54	795	16.4	12,597	10.2	4,065	83.6	110,826	89.8	4,860	96.9	123,423	96.1	156	3.1	4,998	3.9	5,013	128,421
55–59	651	13.9	9,762	8.6	4,041	86.1	104,037	91.4	4,692	96.6	113,799	96.2	165	3.4	4,548	3.8	4,857	118,347
60–64	456	13.0	6,717	7.6	3,063	87.0	81,159	92.4	3,519	97.2	87,876	96.3	102	2.8	3,405	3.7	3,621	91,278
65–69	339	11.2	5,310	7.2	2,679	88.8	68,244	92.8	3,018	97.5	73,554	96.2	75	2.4	2,880	3.8	3,096	76,434
70–74	249	9.8	3,471	5.9	2,292	90.2	55,368	94.1	2,541	97.8	58,839	96.4	60	2.3	2,217	3.6	2,598	61,059
75–79	129	5.8	2,190	4.1	2,103	94.2	50,607	95.9	2,232	97.3	52,797	96.2	60	2.6	2,058	3.8	2,295	54,855
80–84	81	4.5	1,074	2.6	1,710	95.5	40,437	97.4	1,791	97.2	41,511	96.3	51	2.8	1,605	3.7	1,842	43,116
85 and over	54	3.4	609	1.6	1,527	96.6	37,002	98.4	1,581	98.0	37,611	96.4	33	2.0	1,389	3.6	1,614	39,000
Total	17,583	23.9	290,469	14.7	56,121	76.1	1,688,736	85.3	73,704	96.7	1,979,205	96.0	2,517	3.3	83,124	4.0	76,224	2,062,326

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	
	Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,986	39.1	34,071	25.3	3,093	60.9	100,671	74.7	5,079	95.5	134,742	96.0	237	4.5	5,640	4.0	5,316	140,382
5–9	2,094	37.1	34,230	24.2	3,552	62.9	106,974	75.8	5,646	96.9	141,204	96.4	183	3.1	5,331	3.6	5,829	146,535
10–14	2,094	34.5	34,347	22.7	3,978	65.5	117,129	77.3	6,072	96.9	151,476	96.4	195	3.1	5,637	3.6	6,267	157,113
15–19	1,626	30.8	29,031	19.9	3,648	69.2	117,156	80.1	5,274	96.6	146,187	95.9	189	3.5	6,252	4.1	5,460	152,436
20–24	1,164	32.1	20,337	16.0	2,457	67.9	107,127	84.0	3,621	95.3	127,464	94.4	180	4.7	7,623	5.6	3,801	135,087
25–29	951	28.0	17,577	15.9	2,445	72.0	92,970	84.1	3,396	95.2	110,547	94.3	171	4.8	6,669	5.7	3,567	117,216
30–34	1,062	26.1	18,075	14.5	3,000	73.9	106,272	85.5	4,062	95.5	124,347	95.0	192	4.5	6,540	5.0	4,254	130,884
35–39	1,002	21.6	17,808	13.1	3,639	78.4	118,554	86.9	4,641	96.2	136,362	95.4	183	3.8	6,639	4.6	4,824	143,001
40–44	1,041	20.1	17,367	12.0	4,143	79.9	126,945	88.0	5,184	96.9	144,312	95.6	171	3.2	6,588	4.4	5,352	150,900
45–49	918	18.0	14,979	10.9	4,176	82.0	122,079	89.1	5,094	96.6	137,058	95.8	180	3.4	5,994	4.2	5,274	143,055
50–54	744	16.3	11,595	9.7	3,828	83.7	107,670	90.3	4,572	96.8	119,265	95.9	150	3.2	5,046	4.1	4,722	124,308
55–59	567	12.5	8,868	8.0	3,960	87.5	101,742	92.0	4,527	97.1	110,610	96.0	132	2.8	4,614	4.0	4,662	115,224
60–64	384	11.0	6,096	7.2	3,099	89.0	78,822	92.8	3,483	96.5	84,918	96.1	126	3.5	3,420	3.9	3,609	88,335
65–69	303	10.8	4,848	7.0	2,499	89.2	64,494	93.0	2,802	96.9	69,342	96.2	90	3.1	2,769	3.8	2,892	72,114
70–74	195	8.6	3,039	5.7	2,070	91.4	50,718	94.3	2,265	97.3	53,757	96.2	63	2.7	2,121	3.8	2,328	55,878
75–79	117	6.3	1,620	3.6	1,728	93.7	42,957	96.4	1,845	97.2	44,577	96.2	54	2.8	1,782	3.8	1,899	46,359
80–84	48	4.2	693	2.5	1,095	95.8	27,219	97.5	1,143	96.2	27,912	95.8	48	4.0	1,212	4.2	1,188	29,124
85 and over	18	2.4	279	1.7	747	97.6	16,599	98.3	765	97.7	16,878	95.5	18	2.3	789	4.5	783	17,667
Total	16,323	23.5	274,860	14.6	53,148	76.5	1,606,098	85.4	69,471	96.5	1,880,958	95.7	2,556	3.5	84,660	4.3	72,027	1,965,621

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	
	Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay		New Zealand		Hawkes Bay	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	3,960	39.5	66,426	25.2	6,066	60.5	197,250	74.8	10,026	95.7	263,676	95.9	456	4.4	11,400	4.1	10,479	275,079
5–9	4,122	37.5	66,774	24.2	6,882	62.5	208,806	75.8	11,004	96.5	275,580	96.2	396	3.5	10,908	3.8	11,400	286,488
10–14	4,092	34.6	66,726	22.6	7,740	65.4	228,030	77.4	11,832	96.9	294,756	96.3	381	3.1	11,253	3.7	12,216	306,009
15–19	3,363	32.4	58,533	20.3	7,005	67.6	229,521	79.7	10,368	96.6	288,054	96.0	372	3.5	12,144	4.0	10,737	300,198
20–24	2,379	33.4	42,771	16.7	4,749	66.6	213,735	83.3	7,128	95.3	256,506	94.7	348	4.7	14,472	5.3	7,476	270,978
25–29	2,124	29.5	38,106	16.6	5,073	70.5	191,577	83.4	7,197	96.0	229,683	94.7	300	4.0	12,759	5.3	7,497	242,442
30–34	2,277	25.9	39,459	14.9	6,519	74.1	224,562	85.1	8,796	96.5	264,021	95.5	324	3.6	12,540	4.5	9,117	276,561
35–39	2,220	22.7	38,598	13.4	7,539	77.3	250,104	86.6	9,759	96.4	288,702	95.7	369	3.6	12,852	4.3	10,128	301,554
40–44	2,292	21.0	37,272	12.4	8,640	79.0	263,718	87.6	10,932	96.6	300,990	95.9	381	3.4	12,708	4.1	11,316	313,698
45–49	1,947	18.5	31,908	11.3	8,556	81.5	249,612	88.7	10,503	96.7	281,520	95.9	357	3.3	11,901	4.1	10,860	293,421
50–54	1,539	16.3	24,192	10.0	7,890	83.7	218,496	90.0	9,429	96.9	242,688	96.0	306	3.1	10,044	4.0	9,735	252,732
55–59	1,218	13.2	18,630	8.3	8,001	86.8	205,779	91.7	8,219	96.8	224,409	96.1	297	3.1	9,162	3.9	9,519	233,574
60–64	840	12.0	12,816	7.4	6,162	88.0	159,975	92.6	7,002	96.8	172,791	96.2	228	3.2	6,825	3.8	7,230	179,616
65–69	642	11.0	10,158	7.1	5,178	89.0	132,741	92.9	5,820	97.2	142,899	96.2	165	2.8	5,646	3.8	5,988	148,548
70–74	444	9.2	6,510	5.8	4,362	90.8	106,086	94.2	4,806	97.6	112,596	96.3	120	2.4	4,338	3.7	4,926	116,934
75–79	246	6.0	3,807	3.9	3,807	94.0	93,567	96.1	4,080	97.3	97,374	96.2	114	2.7	3,840	3.8	4,194	101,214
80–84	129	4.4	1,764	2.5	2,808	95.6	67,659	97.5	2,937	96.8	69,423	96.1	96	3.2	2,814	3.9	3,033	72,240
85 and over	72	3.1	888	1.6	2,274	96.9	53,604	98.4	2,346	97.9	54,492	96.2	51	2.1	2,178	3.8	2,397	56,670
Total	33,903	23.7	565,326	14.6	109,272	76.3	3,294,837	85.4	143,175	96.6	3,860,163	95.8	5,073	3.4	167,784	4.2	148,248	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
Hawkes Bay	Number	123,537	1,923	2,070	8,112	1,731	606	2,268	1,659	18,363	6,345	148,248
	Percentage	83.0	1.0	1.0	5.0	1.0	-	2.0	1.0	12.0	4.0	
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
Hawkes Bay	Number	32,937	51,090	4,521	8,865	7,539	9,198	114,153
	Percentage	28.9	44.8	4.0	7.8	6.6	8.1	
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
Hawkes Bay	Number	1,905	50,013	13,728	65,646	3,393	22,341	3,300	5,472	6,336	40,839	7,665	114,153
	Percentage	2.9	76.2	20.9	61.6	8.3	54.7	8.1	13.4	15.5	38.4		
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
Hawkes Bay	Number	16,131	15,426	8,358	39,915
	Percentage	40.4	38.6	20.9	
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
Hawkes Bay	Number	27,162	591	15	1,467	10,119	612	39,966
	Percentage	68.0	1.5	0.0	3.7	25.3	1.5	
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
Hawkes Bay	Number	2,454	121,563	15,141	1,605	402	102	48	6,936	148,248
	Percentage	1.7	82.0	10.2	1.1	0.3	0.1	0.0	4.7	
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
Hawkes Bay	No children	4,458	33.2	2,151	16.0	1,503	11.2	1,134	8.5	756	5.6
	One child	207	3.4	699	11.5	795	13.1	870	14.3	729	12.0
	Two children	45	0.3	318	2.3	732	5.2	1,329	9.5	1,698	12.1
	Three children	3	0.0	99	0.9	336	3.1	675	6.3	960	9.0
	Four children	-	-	24	0.4	135	2.5	264	4.9	381	7.1
	Five children	-	-	-	-	36	1.6	126	5.4	177	7.6
	Six or more children	-	-	-	-	15	0.7	69	3.4	117	5.7
	Object to answering	75	4.1	60	3.3	81	4.5	129	7.1	159	8.8
	Not elsewhere included(2)	483	12.7	324	8.5	294	7.7	273	7.2	330	8.6
	Total	5,277	8.9	3,675	6.2	3,930	6.6	4,866	8.2	5,307	8.9
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
Hawkes Bay	No children	633	4.7	561	4.2	486	3.6	405	3.0	288	2.1
	One child	600	9.9	555	9.1	402	6.6	339	5.6	201	3.3
	Two children	1,869	13.4	1,644	11.8	1,533	11.0	1,515	10.8	1,005	7.2
	Three children	1,338	12.5	1,347	12.6	1,206	11.3	1,266	11.8	945	8.8
	Four children	582	10.8	582	10.8	585	10.9	540	10.0	489	9.1
	Five children	222	9.6	219	9.5	213	9.2	225	9.7	195	8.4
	Six or more children	183	8.9	150	7.3	126	6.1	123	6.0	192	9.3
	Object to answering	195	10.8	213	11.8	192	10.6	174	9.6	144	8.0
	Not elsewhere included(2)	342	9.0	321	8.4	270	7.1	270	7.1	159	4.2
	Total	5,961	10.0	5,586	9.4	5,013	8.4	4,857	8.2	3,621	6.1
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
Hawkes Bay	No children	240	1.8	198	1.5	201	1.5	189	1.4	207	1.5	13,410
	One child	144	2.4	126	2.1	138	2.3	114	1.9	171	2.8	6,084
	Two children	672	4.8	507	3.6	438	3.1	375	2.7	318	2.3	13,986
	Three children	759	7.1	582	5.4	480	4.5	396	3.7	294	2.8	10,686
	Four children	513	9.5	438	8.1	381	7.1	264	4.9	195	3.6	5,376
	Five children	240	10.4	225	9.7	198	8.5	132	5.7	108	4.7	2,316
	Six or more children	240	11.7	288	14.0	252	12.2	180	8.7	117	5.7	2,058
	Object to answering	120	6.6	93	5.1	72	4.0	54	3.0	51	2.8	1,809
	Not elsewhere included(2)	168	4.4	141	3.7	141	3.7	138	3.6	159	4.2	3,816
	Total	3,096	5.2	2,595	4.4	2,295	3.9	1,842	3.1	1,614	2.7	59,541
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
Hawkes Bay	Number	7,281	39,660	13,704	3,264	6,078	3,420	6,948	48,432	6,183	54,612
	Percentage	13.3	72.6	25.1	6.0	11.1	6.3	12.7			
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
Hawkes Bay	Number	4,542	47,889	20,022	5,493	12,645	7,266	9,594	53,676	5,865	59,541
	Percentage	7.6	80.4	33.6	9.2	21.2	12.2	16.1			
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
Hawkes Bay	Number	11,820	87,549	33,726	8,760	18,726	10,686	16,542	102,105	12,048	114,153
	Percentage	10.4	76.7	29.5	7.7	16.4	9.4	14.5			
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
Hawkes Bay	Number	31,470	16,044	9,933	4,026	3,660	4,845	11,205
	Percentage	27.6	14.1	8.7	3.5	3.2	4.2	9.8
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
Hawkes Bay	Number	3,738	6,006	7,923	1,293	960	192	12,846	114,153
	Percentage	3.3	5.3	6.9	1.1	0.8	0.2	11.3	
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
Hawkes Bay	Number	579	3,882	7,779	8,115	14,934	11,115	9,078	8,541
	Percentage	0.5	3.4	6.8	7.1	13.1	9.7	8.0	7.5
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
Hawkes Bay	Number	7,743	7,419	8,895	8,748	3,117	2,352	11,847	114,153
	Percentage	6.8	6.5	7.8	7.7	2.7	2.1	10.4	
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
Hawkes Bay	Number	4,812	64,359	16,965	25,362	2,040	18,957	3,105
	Percentage	4.2	56.4	14.9	22.2	1.8	16.6	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
Hawkes Bay	Number	3,453	3,351	4,881	3,045	1,425	3,684	1,923	7,050	114,153
	Percentage	3.0	2.9	4.3	2.7	1.2	3.2	1.7	6.2	
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
Hawkes Bay	Number	56,043	17,430	73,473	3,534	77,007	34,287	2,856	114,153
	Percentage	76.3	23.7	95.4	4.6	67.5	30.0	2.5	
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)

		Occupation (ANZSCO)									
Location	Unit	Managers	Professionals	Technicians and trades	Community and person	Clerical and administra	Sales workers	Machinery operators a	Labourers	Not elsewhere include	Total
Hawkes Bay	Number	11,376	10,857	8,421	5,817	7,599	6,030	4,491	13,179	5,703	73,473
	Percentage	15.5	14.8	11.5	7.9	10.3	8.2	6.1	17.9	7.8	
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404	1,985,775
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7	

(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)

		Type of Telecommunication							
Location	Unit	Access to a cellphone / mobile phone	Access to a telephone	Access to a fax machine	Access to the Internet	No access to telecommunication systems	Total households stated	Total households, not elsewhere included(3)	Total households
Hawkes Bay	Number	37,194	47,697	12,702	28,929	1,434	52,728	2,094	54,822
	Percentage	67.8	87.0	23.2	52.8	2.6	96.2	3.8	
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)

		Number of Motor Vehicles					
Location	Unit	No motor vehicle	One motor vehicle	Two motor vehicles	Three or more motor vehicles	Not elsewhere included(2)	Total
Hawkes Bay	Number	4,155	20,295	20,187	8,103	2,085	54,822
	Percentage	7.6	37.0	36.8	14.8	3.8	
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)
Hawkes Bay	Number	1,077	14,670	12,327	28,077
	Percentage	3.8	52.2	43.9	
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)
Hawkes Bay	Number	297	13,830	2,406	16,533
	Percentage	1.8	83.7	14.6	
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)		
Hawkes Bay	Number	612	2,778	3,441	6,828	3,384	54,822
	Percentage	9.0	40.7	50.4			
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
Hawkes Bay	Female	242.5	48.6 - 436.3	81.8	19.9 - 143.6	107.4	47.6 - 167.2
	Male	352.8	99.0 - 606.6	134.4	53.7 - 215.0	177.4	93.7 - 261.0
	Total	295.6	137.4 - 453.7	107.4	56.8 - 158.1	141.8	90.5 - 193.1
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
Hawkes Bay	Female	105.1	-12.3 - 222.5	37.7	15.0 - 60.5	46.1	20.1 - 72.1
	Male	154.2	-9.3 - 317.7	63.8	28.4 - 99.3	76.4	38.7 - 114.1
	Total	130.8	31.5 - 230.1	50.1	29.5 - 70.8	60.5	38.0 - 83.1
New Zealand	Female	91.0	62.8 - 119.2	35.5	31.1 - 39.9	39.9	35.3 - 44.5
	Male	154.4	113.5 - 195.3	61.8	55.2 - 68.5	69.5	62.5 - 76.4
	Total	120.9	96.7 - 145.1	48.0	44.1 - 51.9	54.0	49.9 - 58.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	137.7	48.4 - 227.0	37.0	22.9 - 51.0	47.9	31.2 - 64.5
	Male	233.1	96.4 - 369.8	90.0	62.5 - 117.5	108.2	79.2 - 137.3
	Total	185.5	106.2 - 264.7	61.8	46.7 - 76.8	76.3	59.9 - 92.6
New Zealand	Female	100.9	81.1 - 120.8	35.4	32.8 - 38.1	40.3	37.4 - 43.1
	Male	215.7	183.2 - 248.1	83.4	78.2 - 88.5	93.7	88.4 - 99.1
	Total	154.3	136.0 - 172.6	58.0	55.2 - 60.8	65.5	62.5 - 68.4

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	41.0	-7.8 - 89.8	26.5	14.3 - 38.7	28.7	16.1 - 41.3
	Male	36.3	-15.4 - 88.0	24.9	10.2 - 39.6	27.3	12.4 - 42.3
	Total	40.7	3.7 - 77.7	26.1	16.6 - 35.6	28.4	18.7 - 38.2
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
Hawkes Bay	Female	129.0	-8.5 - 266.5	53.4	15.1 - 91.6	64.0	26.6 - 101.4
	Male	100.3	-45.0 - 245.5	67.1	28.5 - 105.7	70.6	33.7 - 107.5
	Total	112.7	18.3 - 207.1	59.3	32.4 - 86.2	66.5	40.3 - 92.6
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
Hawkes Bay	Female	101.5	19.7 - 183.2	15.8	4.6 - 27.0	26.7	12.3 - 41.2
	Male	61.0	-16.0 - 137.9	27.5	12.0 - 43.0	30.0	14.8 - 45.1
	Total	80.1	27.0 - 133.3	21.3	11.8 - 30.8	28.0	17.6 - 38.4
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
Hawkes Bay	Female	57.2	-4.3 - 118.7	21.4	6.0 - 36.7	27.1	10.8 - 43.3
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
Hawkes Bay	Male	25.4	-30.7 - 81.6	16.2	6.4 - 25.9	16.4	7.1 - 25.8
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
Hawkes Bay	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
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
Hawkes Bay	Female	17.2	-16.9 - 51.3	18.1	4.7 - 31.5	18.3	5.5 - 31.1
	Male	0.0	0.0 - 0.0	24.2	8.8 - 39.7	22.9	9.2 - 36.6
	Total	16.4	-8.1 - 40.9	20.9	10.8 - 31.0	20.4	11.1 - 29.7
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
Hawkes Bay	Female	0.0	0.0 - 0.0	6.7	-3.3 - 16.8	5.6	-2.4 - 13.7
	Male	0.0	0.0 - 0.0	13.1	-1.5 - 27.7	11.6	-0.1 - 23.2
	Total	0.0	0.0 - 0.0	9.7	0.9 - 18.4	8.3	1.4 - 15.3
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
Hawkes Bay	Female	14.3	-36.2 - 64.9	12.9	-17.7 - 43.4	13.6	-12.8 - 39.9
	Male	72.8	-48.3 - 193.8	32.0	-17.4 - 81.4	45.1	-5.6 - 95.8
	Total	42.7	-21.5 - 106.8	22.3	-6.7 - 51.3	29.3	0.7 - 57.9
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
Hawkes Bay	Female	10.6	-32.0 - 53.1	5.1	-12.0 - 22.2	6.6	-10.1 - 23.4
	Male	29.6	-44.9 - 104.1	22.9	-14.4 - 60.3	24.6	-8.5 - 57.7
	Total	19.5	-22.1 - 61.1	13.9	-6.5 - 34.2	15.3	-2.9 - 33.6
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
Hawkes Bay	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
Hawkes Bay	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Male	170.8	93.9 - 247.8	29.7	7.7 - 51.6	75.7	46.5 - 104.8
	Total	88.6	49.8 - 127.4	23.8	9.4 - 38.1	45.7	29.5 - 61.9
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
Hawkes Bay	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	35.4	11.2 - 59.7	34.0	14.6 - 53.5
	Total	0.0	0.0 - 0.0	21.4	7.7 - 35.1	20.9	10.0 - 31.8
New Zealand	Female	19.8	13.8 - 25.8	6.6	4.8 - 8.3	9.2	7.3 - 11.0
	Male	40.1	31.4 - 48.9	23.6	20.4 - 26.8	26.7	23.6 - 29.8
	Total	29.7	24.5 - 35.0	15.2	13.4 - 17.0	18.0	16.2 - 19.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	1183.9	1116.0 - 1251.7	389.7	379.8 - 399.6	446.4	435.8 - 456.9
	Male	1569.1	1470.5 - 1667.7	808.4	790.3 - 826.6	886.6	868.0 - 905.1
	Total	1407.3	1349.2 - 1465.5	578.5	568.6 - 588.4	646.4	636.2 - 656.7
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
Hawkes Bay	Female	376.8	338.5 - 415.1	283.3	274.7 - 291.9	290.8	282.4 - 299.2
	Male	0.0	0.0 - 0.0	268.1	257.7 - 278.5	261.4	251.7 - 271.2
	Total	300.3	273.9 - 326.6	281.2	274.5 - 288.0	282.0	275.5 - 288.4
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
Hawkes Bay	Female	465.7	420.3 - 511.1	130.7	123.1 - 138.2	162.3	154.1 - 170.4
	Male	618.7	550.0 - 687.4	203.5	193.6 - 213.4	234.9	224.6 - 245.3
	Total	503.8	468.5 - 539.1	162.8	156.7 - 168.9	194.2	187.7 - 200.7
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
Hawkes Bay	Female	177.6	149.9 - 205.3	92.5	86.1 - 98.9	99.6	93.3 - 105.8
New Zealand	Female	174.2	167.1 - 181.3	95.3	94.0 - 96.6	99.8	98.5 - 101.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Male	11.5	-44.7 - 67.6	7.3	-2.4 - 17.1	7.4	-1.9 - 16.8
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
Hawkes Bay	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
Hawkes Bay	Female	0.0	0.0 - 0.0	118.1	111.5 - 124.6	115.3	109.1 - 121.5
	Male	0.0	0.0 - 0.0	216.0	205.8 - 226.2	205.3	195.8 - 214.7
	Total	103.7	87.5 - 119.9	163.6	157.7 - 169.5	157.0	151.5 - 162.6
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
Hawkes Bay	Female	0.0	0.0 - 0.0	28.6	25.0 - 32.1	26.1	22.9 - 29.2
	Male	0.0	0.0 - 0.0	94.0	87.2 - 100.8	90.4	84.1 - 96.8
	Total	0.0	0.0 - 0.0	57.9	54.2 - 61.6	54.9	51.5 - 58.3
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
Hawkes Bay	Female	384.9	343.9 - 426.0	110.7	104.5 - 116.9	135.5	128.6 - 142.4
	Male	333.4	292.3 - 374.6	225.2	215.9 - 234.6	237.6	228.4 - 246.9
	Total	374.2	344.1 - 404.3	157.2	151.9 - 162.6	176.1	170.6 - 181.7
New Zealand	Female	430.9	419.9 - 441.9	146.6	145.2 - 148.1	162.8	161.3 - 164.3
	Male	480.0	466.6 - 493.4	219.1	217.3 - 220.9	231.7	229.9 - 233.6
	Total	444.2	435.9 - 452.5	175.0	173.9 - 176.1	189.4	188.2 - 190.5

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	11.1	Breast cancer (female only)	10.7
	Breast cancer (female only)	11.1	Lung cancer	9.3
	Lung cancer	10.6	Ischaemic heart disease	8.1
	Diabetes	9.4	Colorectal cancer	5.9
	Motor vehicle accidents	7.3	Diabetes	5.8
Male	Ischaemic heart disease	32.9	Ischaemic heart disease	27.3
	Motor vehicle accidents	27.3	Suicide and self-inflicted injuries	15.7
	Suicide and self-inflicted injuries	21.5	Motor vehicle accidents	12.3
	Diabetes	13.6	Lung cancer	10.8
	Lung cancer	10.6	Diabetes	8.3
Total	Ischaemic heart disease	21.6	Ischaemic heart disease	17.4
	Motor vehicle accidents	17.3	Suicide and self-inflicted injuries	10.4
	Suicide and self-inflicted injuries	13.4	Lung cancer	10.0
	Diabetes	11.4	Motor vehicle accidents	8.6
	Lung cancer	10.6	Diabetes	7.0

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	60.8	Ischaemic heart disease	51.4
	Diabetes	38.9	Lung cancer	31.6
	Lung cancer	32.2	Diabetes	26.8
	Motor vehicle accidents	29.8	Motor vehicle accidents	17.8
	Suicide and self-inflicted injuries	17.2	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	15.6	Ischaemic heart disease	14.3
	Suicide and self-inflicted injuries	12.1	Suicide and self-inflicted injuries	9.3
	Motor vehicle accidents	11.7	Lung cancer	8.1
	Lung cancer	7.6	Motor vehicle accidents	6.7
	Colorectal cancer	7.0	Colorectal cancer	6.7

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	438.5	Ischaemic heart disease	418.5
	Stroke	245.3	Stroke	206.0
	Lung cancer	162.3	CORD	172.8
	Colorectal cancer	115.3	Lung cancer	153.4
	Breast cancer (female only)	99.6	Colorectal cancer	131.3
Male	Ischaemic heart disease	865.3	Ischaemic heart disease	757.4
	CORD	239.3	Lung cancer	245.3
	Lung cancer	234.9	CORD	238.4
	Stroke	218.6	Stroke	207.5
	Colorectal cancer	205.3	Colorectal cancer	178.9
Total	Ischaemic heart disease	632.8	Ischaemic heart disease	571.4
	Stroke	237.2	Stroke	210.0
	Lung cancer	194.2	CORD	197.9
	CORD	184.1	Lung cancer	194.3
	Colorectal cancer	157.0	Colorectal cancer	152.9

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	1407.3	Ischaemic heart disease	1109.6
	Lung cancer	503.8	Lung cancer	497.3
	CORD	389.8	CORD	465.0
	Diabetes	356.9	Diabetes	389.4
	Stroke	223.3	Stroke	247.1
non-Māori	Ischaemic heart disease	563.5	Ischaemic heart disease	540.1
	Stroke	240.1	Stroke	207.2
	CORD	165.0	CORD	182.8
	Colorectal cancer	163.6	Lung cancer	175.1
	Lung cancer	162.8	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
Hawkes Bay	Female	4867.8	3924.5 - 5811.1	2827.7	2324.2 - 3331.3	3357.3	2912.6 - 3802.1
	Male	4576.8	3634.9 - 5518.7	3194.3	2669.2 - 3719.5	3543.2	3092.3 - 3994.1
	Total	4729.1	4062.6 - 5395.6	3008.9	2645.1 - 3372.6	3448.2	3131.7 - 3764.8
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
Hawkes Bay	Female	849.4	494.3 - 1204.5	377.3	264.7 - 489.9	450.7	341.5 - 559.9
	Male	1068.9	621.4 - 1516.4	697.8	548.6 - 846.9	758.0	615.9 - 900.0
	Total	944.4	668.9 - 1219.9	532.2	439.4 - 625.0	598.2	509.4 - 687.1
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
Hawkes Bay	Female	564.3	374.9 - 753.6	241.0	193.3 - 288.6	283.0	234.7 - 331.3
	Male	829.6	574.2 - 1085.0	672.3	581.2 - 763.4	700.7	614.6 - 786.9
	Total	693.5	537.1 - 850.0	450.3	399.7 - 500.9	484.4	435.9 - 532.9
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
Hawkes Bay	Female	258.8	130.6 - 387.0	98.6	64.5 - 132.7	120.3	85.9 - 154.7
	Male	185.9	55.7 - 316.1	140.1	102.5 - 177.8	146.6	109.9 - 183.4
	Total	222.3	134.3 - 310.4	119.0	93.5 - 144.4	133.1	108.0 - 158.3
New Zealand	Female	215.4	185.6 - 245.2	92.6	86.7 - 98.4	103.2	97.3 - 109.2
	Male	171.3	142.5 - 200.0	128.3	121.3 - 135.4	132.8	125.9 - 139.7
	Total	196.1	175.2 - 217.0	109.7	105.1 - 114.2	117.3	112.8 - 121.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	581.4	281.1 - 881.7	390.2	265.0 - 515.4	423.0	309.5 - 536.4
	Male	481.6	185.5 - 777.7	423.7	301.4 - 546.0	436.9	325.2 - 548.6
	Total	534.5	323.7 - 745.4	405.0	317.4 - 492.5	428.2	348.6 - 507.8
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
Hawkes Bay	Female	162.4	60.5 - 264.2	41.6	21.8 - 61.5	55.7	34.4 - 77.0
	Male	108.1	11.1 - 205.1	54.6	32.9 - 76.3	60.1	38.3 - 81.8
	Total	134.2	66.5 - 202.0	47.6	32.9 - 62.2	57.5	42.3 - 72.6
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
Hawkes Bay	Female	168.5	60.8 - 276.1	111.5	70.9 - 152.1	120.4	82.6 - 158.1
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
Hawkes Bay	Male	76.5	1.6 - 151.3	65.3	41.3 - 89.2	67.0	44.0 - 89.9
New Zealand	Male	76.5	57.6 - 95.4	60.9	56.4 - 65.3	61.9	57.6 - 66.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	87.7	8.7 - 166.7	28.5	-1.3 - 58.4	36.6	10.7 - 62.4
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
Hawkes Bay	Female	34.0	-12.0 - 80.0	71.9	42.5 - 101.3	66.0	40.8 - 91.2
	Male	55.8	-9.9 - 121.5	82.3	50.9 - 113.7	78.7	51.1 - 106.3
	Total	43.8	4.9 - 82.7	76.3	54.9 - 97.7	71.5	53.0 - 90.0
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
Hawkes Bay	Female	0.0	0.0 - 0.0	104.3	66.1 - 142.6	88.9	57.8 - 120.0
	Male	21.3	-16.3 - 59.0	157.0	110.8 - 203.3	138.2	99.8 - 176.6
	Total	12.9	-7.2 - 33.0	129.2	99.5 - 159.0	112.1	87.6 - 136.6
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
Hawkes Bay	Female	1162.4	689.2 - 1635.6	878.0	590.4 - 1165.7	977.4	731.1 - 1223.7
	Male	2099.7	1438.8 - 2760.6	1682.1	1292.9 - 2071.2	1800.8	1469.0 - 2132.6
	Total	1610.6	1211.4 - 2009.8	1283.9	1041.1 - 1526.6	1387.1	1180.8 - 1593.4
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
Hawkes Bay	Female	126.8	-18.9 - 272.6	145.2	45.0 - 245.4	140.8	58.7 - 222.8
	Male	77.8	-43.3 - 198.9	70.7	1.2 - 140.1	73.5	12.9 - 134.0
	Total	103.3	7.9 - 198.7	107.7	47.1 - 168.3	107.4	56.4 - 158.4
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
Hawkes Bay	Female	1035.9	851.4 - 1220.4	905.3	777.2 - 1033.5	950.3	845.0 - 1055.6
	Male	2690.0	2384.2 - 2995.9	2680.8	2470.7 - 2890.9	2691.0	2517.4 - 2864.5
	Total	1851.0	1673.5 - 2028.5	1828.0	1702.6 - 1953.3	1837.7	1735.2 - 1940.2
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
Hawkes Bay	Female	3846.8	3716.8 - 3976.8	1899.9	1871.3 - 1928.4	2084.6	2055.8 - 2113.4
	Male	3741.1	3594.7 - 3887.5	3454.1	3411.6 - 3496.6	3493.9	3453.2 - 3534.7
	Total	3861.2	3763.7 - 3958.7	2627.3	2602.2 - 2652.4	2742.5	2718.0 - 2767.0
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
Hawkes Bay	Female	1417.3	1341.0 - 1493.6	633.8	618.8 - 648.9	693.8	678.7 - 709.0
	Male	1303.0	1204.7 - 1401.4	983.4	961.8 - 1005.1	1001.0	980.1 - 1021.9
	Total	1336.8	1280.4 - 1393.2	800.3	787.3 - 813.2	840.5	827.8 - 853.2
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
Hawkes Bay	Female	1390.0	1309.9 - 1470.2	243.5	232.5 - 254.4	361.0	348.1 - 373.9
	Male	785.3	710.7 - 859.8	424.4	409.4 - 439.3	445.0	430.5 - 459.5
	Total	1075.3	1023.7 - 1126.9	325.5	316.4 - 334.6	396.3	386.7 - 405.9
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
Hawkes Bay	Female	267.9	232.5 - 303.2	304.8	292.5 - 317.1	304.0	292.4 - 315.6
New Zealand	Female	354.3	344.1 - 364.5	300.5	298.0 - 302.9	303.8	301.5 - 306.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Male	24.9	-37.5 - 87.3	19.3	2.0 - 36.6	20.0	3.2 - 36.7
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
Hawkes Bay	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
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
Hawkes Bay	Female	214.0	183.5 - 244.5	398.6	384.9 - 412.3	379.1	366.6 - 391.7
	Male	573.2	517.7 - 628.6	595.1	578.1 - 612.1	601.6	585.2 - 618.0
	Total	378.5	348.1 - 408.9	486.1	475.4 - 496.8	478.9	468.8 - 489.1
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
Hawkes Bay	Female	0.0	0.0 - 0.0	449.3	435.9 - 462.7	414.0	401.9 - 426.1
	Male	197.3	166.6 - 228.1	962.5	940.6 - 984.3	895.9	875.9 - 915.8
	Total	107.3	92.0 - 122.5	688.2	675.8 - 700.7	637.5	626.1 - 648.8
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
Hawkes Bay	Female	3235.8	3116.4 - 3355.3	756.6	738.8 - 774.4	990.4	970.4 - 1010.3
	Male	2413.0	2268.1 - 2557.9	955.7	934.6 - 976.8	1026.7	1005.8 - 1047.6
	Total	2663.8	2583.5 - 2744.1	841.1	827.5 - 854.7	996.7	982.4 - 1011.1
New Zealand	Female	2867.8	2839.2 - 2896.5	775.7	772.0 - 779.3	895.6	891.7 - 899.4
	Male	2751.7	2720.6 - 2782.7	1062.7	1058.3 - 1067.1	1151.7	1147.3 - 1156.2
	Total	2801.2	2780.3 - 2822.1	897.7	894.8 - 900.5	1002.7	999.7 - 1005.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	175.4	42.8 - 308.1	97.4	33.5 - 161.3	103.2	50.3 - 156.2
	Male	185.3	43.9 - 326.8	96.7	35.3 - 158.0	101.7	51.9 - 151.4
	Total	180.6	83.8 - 277.3	96.7	52.4 - 141.0	102.1	65.8 - 138.4
New Zealand	Female	283.9	242.9 - 324.9	99.7	90.4 - 109.0	115.1	106.0 - 124.1
	Male	336.2	288.8 - 383.7	120.6	110.6 - 130.5	137.8	128.0 - 147.7
	Total	308.1	277.1 - 339.1	109.5	102.7 - 116.3	125.8	119.1 - 132.4

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	35.5	-22.9 - 93.8	2.2	-2.7 - 7.2	7.7	-4.1 - 19.5
	Male	54.5	-21.0 - 130.0	4.8	-2.6 - 12.2	11.9	-1.2 - 25.1
	Total	44.6	-2.6 - 91.7	3.4	-0.9 - 7.8	9.7	0.9 - 18.5
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
Hawkes Bay	Female	170.8	32.1 - 309.6	55.2	6.5 - 103.9	84.3	32.9 - 135.7
	Male	126.9	-2.9 - 256.7	19.5	-9.1 - 48.2	44.5	6.3 - 82.8
	Total	150.4	54.8 - 246.0	37.4	9.4 - 65.4	64.7	32.7 - 96.7
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
Hawkes Bay	Female	1213.7	1048.0 - 1379.5	277.1	247.8 - 306.3	390.9	357.7 - 424.1
	Male	847.3	670.7 - 1024.0	282.5	253.9 - 311.0	330.6	300.9 - 360.2
	Total	1002.9	891.7 - 1114.2	277.0	256.7 - 297.4	359.1	336.9 - 381.4
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
Hawkes Bay	Female	523.9	321.2 - 726.7	222.1	115.7 - 328.6	340.5	238.0 - 443.0
	Male	611.9	395.0 - 828.9	424.3	280.5 - 568.0	497.4	375.6 - 619.2
	Total	568.6	420.0 - 717.2	325.8	235.7 - 416.0	420.5	340.7 - 500.4
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
Hawkes Bay	Female	100.2	11.7 - 188.8	94.7	24.4 - 165.0	95.9	41.3 - 150.4
	Male	113.0	20.2 - 205.7	89.9	23.1 - 156.8	98.3	44.1 - 152.5
	Total	106.6	42.5 - 170.7	92.3	43.8 - 140.7	97.1	58.7 - 135.5
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
Hawkes Bay	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	0.0	0.0 - 0.0
	Male	51.2	-11.2 - 113.6	0.0	0.0 - 0.0	19.6	-4.3 - 43.5
	Total	31.2	-3.5 - 65.9	0.0	0.0 - 0.0	12.0	-1.4 - 25.4
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
Hawkes Bay	Female	579.0	366.4 - 791.5	422.6	279.8 - 565.4	485.1	364.6 - 605.7
	Male	753.3	515.5 - 991.1	664.1	491.1 - 837.1	696.2	556.4 - 836.0
	Total	668.8	508.8 - 828.9	546.9	434.1 - 659.7	593.5	500.8 - 686.2
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
Hawkes Bay	Female	1641.4	1560.8 - 1722.0	1793.2	1768.9 - 1817.6	1782.1	1758.9 - 1805.2
	Male	1412.5	1292.9 - 1532.2	1207.5	1185.4 - 1229.7	1197.1	1176.0 - 1218.2
	Total	1456.7	1397.6 - 1515.8	1547.5	1530.9 - 1564.1	1536.6	1520.7 - 1552.4
New Zealand	Female	1688.1	1666.7 - 1709.5	2432.8	2427.1 - 2438.6	2402.9	2397.4 - 2408.4
	Male	1417.4	1394.4 - 1440.3	1746.9	1741.7 - 1752.2	1739.8	1734.6 - 1744.9
	Total	1583.8	1568.1 - 1599.5	2134.6	2130.7 - 2138.5	2115.7	2111.9 - 2119.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	2373.3	2269.4 - 2477.2	2339.4	2306.2 - 2372.6	2355.3	2323.7 - 2386.9
	Male	3346.2	3212.2 - 3480.1	2234.2	2200.0 - 2268.4	2354.8	2321.1 - 2388.4
	Total	2823.5	2740.0 - 2906.9	2287.6	2263.8 - 2311.4	2353.0	2330.0 - 2376.0
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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	495.9	Respiratory infections	510.3
	Gastroenteritis	309.0	Gastroenteritis	371.2
	Dental conditions	262.0	Dental conditions	301.5
	Cellulitis	251.8	ENT infections	265.7
	Angina	249.5	Cellulitis	243.5
Male	Respiratory infections	524.6	Respiratory infections	570.2
	Angina	307.5	Gastroenteritis	355.3
	Dental conditions	282.4	ENT infections	331.7
	Gastroenteritis	263.2	Dental conditions	319.0
	ENT infections	258.9	Angina	300.1
Total	Respiratory infections	510.2	Respiratory infections	541.0
	Gastroenteritis	286.2	Gastroenteritis	363.7
	Angina	277.7	Dental conditions	310.3
	Dental conditions	272.5	ENT infections	299.6
	ENT infections	250.6	Angina	258.9

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	706.1	Respiratory infections	742.2
	Dental conditions	389.0	Dental conditions	441.6
	Angina	350.0	Asthma	356.4
	ENT infections	328.5	ENT infections	355.9
	Asthma	308.0	Angina	329.4
non-Māori	Respiratory infections	432.9	Respiratory infections	500.0
	Gastroenteritis	292.2	Gastroenteritis	379.7
	Angina	265.3	ENT infections	283.8
	ENT infections	208.4	Dental conditions	271.8
	Dental conditions	199.7	Angina	250.3

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Angina	1904.6	Persons encountering health services for specific procedures and health care	1802.8
	Ischaemic heart disease	1424.6	Angina	1499.8
	Other forms of heart disease	1335.6	Respiratory infections	1132.4
	Disorders of lens	1297.1	CORD	968.0
	Respiratory infections	1027.7	Other forms of heart disease	955.6
Male	Ischaemic heart disease	2523.1	Persons encountering health services for specific procedures and health care	2367.0
	Angina	2230.4	Angina	1956.7
	Respiratory infections	1580.8	Respiratory infections	1721.7
	Other forms of heart disease	1468.6	Ischaemic heart disease	1550.1
	Persons encountering health services for specific procedures and health care	1306.0	Other forms of heart disease	1232.4
Total	Angina	2053.0	Persons encountering health services for specific procedures and health care	2059.9
	Ischaemic heart disease	1936.2	Angina	1712.2
	Other forms of heart disease	1398.0	Respiratory infections	1388.0
	Respiratory infections	1266.2	Ischaemic heart disease	1148.7
	Disorders of lens	1154.2	Other forms of heart disease	1084.0

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Angina	2890.2	Persons encountering health services for specific procedures and health care	7454.5
	CORD	2722.0	CORD	2912.0
	Ischaemic heart disease	2674.3	Respiratory infections	2597.3
	Respiratory infections	2596.8	Diabetes	2074.3
	Persons encountering health services for specific procedures and health care	2241.4	Angina	1943.8
non-Māori	Angina	1972.2	Persons encountering health services for specific procedures and health care	1705.0
	Ischaemic heart disease	1852.2	Angina	1698.8
	Other forms of heart disease	1371.7	Respiratory infections	1319.4
	Respiratory infections	1165.2	Ischaemic heart disease	1133.2
	Disorders of lens	1083.0	Other forms of heart disease	1069.6

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	720.2	Dental conditions	660.6
	Dental conditions	477.7	Respiratory infections	622.0
	Persons encountering health services for specific procedures and health care	406.8	ENT infections	380.4
	ENT infections	378.3	Injuries to the elbow and forearm	337.0
	Injuries to the elbow and forearm	275.5	Persons encountering health services for specific procedures and health care	311.2
Male	Respiratory infections	788.7	Dental conditions	687.9
	Dental conditions	567.1	Respiratory infections	671.2
	Injuries to the elbow and forearm	483.3	Injuries to the elbow and forearm	520.1
	Persons encountering health services for specific procedures and health care	471.6	ENT infections	457.9
	ENT infections	398.1	Injuries to the head	360.8
Total	Respiratory infections	755.2	Dental conditions	674.6
	Dental conditions	523.4	Respiratory infections	647.1
	Persons encountering health services for specific procedures and health care	440.1	Injuries to the elbow and forearm	430.9
	ENT infections	388.4	ENT infections	420.1
	Injuries to the elbow and forearm	382.1	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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	818.9	Dental conditions	843.1
	Dental conditions	729.5	Respiratory infections	644.5
	Persons encountering health services for specific procedures and health care	670.1	ENT infections	555.6
	ENT infections	550.6	Injuries to the elbow and forearm	425.4
	Injuries to the elbow and forearm	381.0	Persons encountering health services for specific procedures and health care	399.2
non-Māori	Respiratory infections	720.0	Respiratory infections	648.9
	Dental conditions	401.4	Dental conditions	619.8
	Injuries to the elbow and forearm	382.5	Injuries to the elbow and forearm	432.1
	Persons encountering health services for specific procedures and health care	308.5	ENT infections	377.3
	ENT infections	294.5	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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	4292.0	Persons encountering health services in other circumstances	4296.1
	Persons encountering health services in other circumstances	2249.4	Respiratory infections	3688.1
	Disorders related to length of gestation and fetal growth	1691.7	Disorders related to length of gestation and fetal growth	1895.8
	Gastro-oesophageal reflux disease	1253.1	Gastro-oesophageal reflux disease	1561.8
	ENT infections	839.6	ENT infections	1005.2
Male	Respiratory infections	5045.2	Respiratory infections	4875.7
	Persons encountering health services in other circumstances	2151.9	Persons encountering health services in other circumstances	4131.4
	Disorders related to length of gestation and fetal growth	1705.8	Disorders related to length of gestation and fetal growth	2016.8
	Gastro-oesophageal reflux disease	1181.4	Gastro-oesophageal reflux disease	1663.2
	Asthma	1060.9	ENT infections	1415.5
Total	Respiratory infections	4675.9	Respiratory infections	4295.1
	Persons encountering health services in other circumstances	2199.7	Persons encountering health services in other circumstances	4212.0
	Disorders related to length of gestation and fetal growth	1698.9	Disorders related to length of gestation and fetal growth	1957.6
	Gastro-oesophageal reflux disease	1216.6	Gastro-oesophageal reflux disease	1613.6
	Asthma	860.2	ENT infections	1214.9

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

	Hawkes Bay DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	6666.7	Respiratory infections	5965.2
	Disorders related to length of gestation and fetal growth	1678.2	Persons encountering health services in other circumstances	2422.4
	Persons encountering health services in other circumstances	1277.9	Disorders related to length of gestation and fetal growth	1684.5
	Persons encountering health services for specific procedures and health care	1239.4	Gastro-oesophageal reflux disease	1311.2
	Dental conditions	1224.0	ENT infections	1270.5
non-Māori	Respiratory infections	3353.8	Persons encountering health services in other circumstances	4825.9
	Persons encountering health services in other circumstances	2811.9	Respiratory infections	3722.1
	Disorders related to length of gestation and fetal growth	1712.7	Disorders related to length of gestation and fetal growth	2051.4
	Gastro-oesophageal reflux disease	1221.9	Gastro-oesophageal reflux disease	1717.4
	Other viral diseases	838.4	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
Hawkes Bay	Female	117.0	30.2 - 203.8	20.1	7.0 - 33.1	32.0	16.1 - 47.9
	Male	99.0	5.2 - 192.8	35.3	18.0 - 52.6	42.1	24.0 - 60.2
	Total	106.3	45.5 - 167.2	27.1	16.4 - 37.8	36.5	24.6 - 48.5
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
Hawkes Bay	Female	143.6	45.4 - 241.9	126.5	83.9 - 169.1	129.0	90.4 - 167.6
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
Hawkes Bay	Male	79.8	3.5 - 156.2	96.8	67.2 - 126.3	94.6	67.2 - 122.0
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
Hawkes Bay	Female	0.0	0.0 - 0.0	7.6	-6.9 - 22.0	8.5	-4.1 - 21.1
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
Hawkes Bay	Female	32.5	-14.3 - 79.3	39.6	19.2 - 60.0	39.2	20.3 - 58.0
	Male	41.5	-14.8 - 97.7	56.2	31.1 - 81.4	55.0	32.3 - 77.7
	Total	37.9	0.7 - 75.0	47.4	31.4 - 63.4	46.6	31.9 - 61.2
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
Hawkes Bay	Female	0.0	0.0 - 0.0	70.4	32.0 - 108.9	58.5	28.4 - 88.7
	Male	0.0	0.0 - 0.0	84.1	44.5 - 123.6	70.7	39.2 - 102.1
	Total	9.7	-9.1 - 28.6	76.7	49.2 - 104.3	64.2	42.4 - 85.9
New Zealand	Female	10.0	3.4 - 16.6	55.1	49.5 - 60.7	50.2	45.2 - 55.1
	Male	8.5	1.9 - 15.2	61.4	55.7 - 67.0	56.5	51.4 - 61.5
	Total	9.3	4.6 - 13.9	58.0	54.0 - 61.9	53.1	49.5 - 56.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hawkes Bay	Female	722.1	665.6 - 778.5	161.8	153.4 - 170.3	214.0	204.7 - 223.3
	Male	710.1	637.8 - 782.4	271.2	260.2 - 282.3	308.7	297.1 - 320.2
	Total	687.3	646.1 - 728.5	208.9	202.1 - 215.7	254.2	246.9 - 261.5
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
Hawkes Bay	Female	458.6	412.3 - 504.8	331.3	318.6 - 344.0	346.9	334.5 - 359.3
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
Hawkes Bay	Male	785.7	721.1 - 850.3	699.9	680.5 - 719.3	708.2	689.7 - 726.6
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
Hawkes Bay	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
Hawkes Bay	Female	208.9	178.7 - 239.2	238.2	228.5 - 247.9	236.9	227.6 - 246.2
	Male	410.1	362.4 - 457.7	458.1	442.8 - 473.4	462.7	447.9 - 477.5
	Total	317.8	289.1 - 346.4	341.8	332.9 - 350.7	343.3	334.7 - 351.8
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
Hawkes Bay	Female	0.0	0.0 - 0.0	134.5	126.7 - 142.2	129.4	122.2 - 136.6
	Male	0.0	0.0 - 0.0	299.9	287.6 - 312.3	281.1	269.8 - 292.5
	Total	0.0	0.0 - 0.0	210.3	203.2 - 217.4	198.5	192.0 - 205.1
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
☛ Drugs, medicaments and biological substances causing adverse effects in therapeutic use	Y40–Y59, Y88.0
☛ Misadventure to patients during surgical and medical care	Y60–Y69, Y88.1
☛ 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
☛ Outcome of delivery	Z37
☛ Liveborn infants	Z38
Persons encountering health services for specific procedures and health care	Z40–Z54
☛ Care involving dialysis	Z49
☛ 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