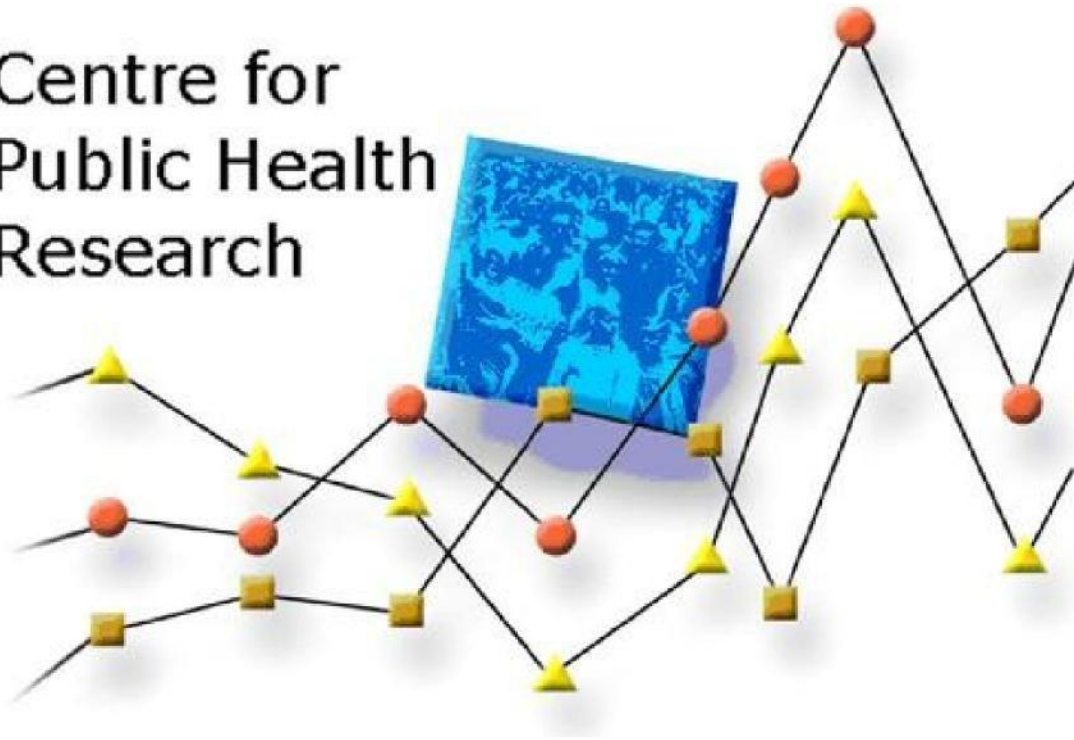


Centre for
Public Health
Research



Health Needs Assessment

Hutt Valley District Health Board

For the Ministry of Health

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Health Needs Assessment

Hutt Valley District Health Board

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Citation: Marsters H, Shanthakumar M, Fyfe C, Borman B, Dayal S. 2012. Health Needs Assessment, Hutt Valley 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 Hutt Valley 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 Hutt Valley DHB in determining priorities for its planning and decision-making to achieve health gain in its population.

Demographics and social determinants of health

Hutt Valley DHB had a population of 140,930 at the last (2006) census, this is expected to increase by 4.7 percent by 2026. This increase will be due to increasing numbers of elderly people (over 65 years) as both number of young people (0-14 years) and those of working age (15-65 years) are predicted to decline. The Hutt Valley has a significant Māori population. This population is younger than the non-Māori population and is expected to increase by 2026, whilst the non-Māori population is predicted to decline.

No particular pattern can be seen in population distribution over NZDep06 deprivation deciles in the Hutt Valley. However non-Māori are dominant in the lower deprivation deciles, whilst Māori representation increases with level of deprivation.

Health status

Avoidable mortality and hospitalisations

There were no statistically significant differences in the rates of avoidable mortality and hospitalisation between Māori and non-Māori in the Hutt Valley DHB. Three of the top five leading causes of avoidable mortality were the same for Māori and non-Māori. These included ischaemic heart disease, lung cancer, and diabetes.

Respiratory infections, dental conditions, asthma, gastroenteritis and ENT infections were leading causes of avoidable hospitalisation for both Māori and non-Māori in the Hutt Valley DHB.

The rate of unintentional injury hospitalisation for the Hutt Valley DHB was significantly lower than the national rate.

Child and youth health

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

Four of the top five leading causes of hospitalisations for both Māori and non-Māori children 5-14 years old were the same: dental conditions, respiratory infections, ENT infections, and injuries to the elbow and forearm.

The Hutt Valley DHB also had significantly lower hospitalisation rates for falls in the 0-14 year age group compared to the national rate.

The unintentional injury hospitalisation rate was significantly higher for Māori youth 15-24 years compared to non-Māori youth.

Older people

Ethnic differences were present among older persons. Congestive heart failure, diabetes, and COPD were leading causes for older Māori while ischaemic heart disease, other forms of heart disease, and skin cancers were leading causes for older non-Māori.

Health service utilisation

In 2009-2010, 86.6 percent of Māori children had received all specified immunisation vaccines by the age of two, which was slightly lower than the non-Māori rate.

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

In the Hutt Valley DHB, 61.1 percent of eligible Māori women aged 50-64 years had a mammogram to check for early signs of breast cancer in the past two years which was lower than the non-Māori rate but higher than the rate for Māori women in New Zealand.

Of Māori women aged 20 to 69 years in the Hutt Valley DHB who had a primary health care provider 58.4 percent had a cervical smear in the past three years, which was lower than that for non-Māori women (77.6%) but still higher than the rate for Māori women in New Zealand (54.4%).

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 Hutt Valley 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

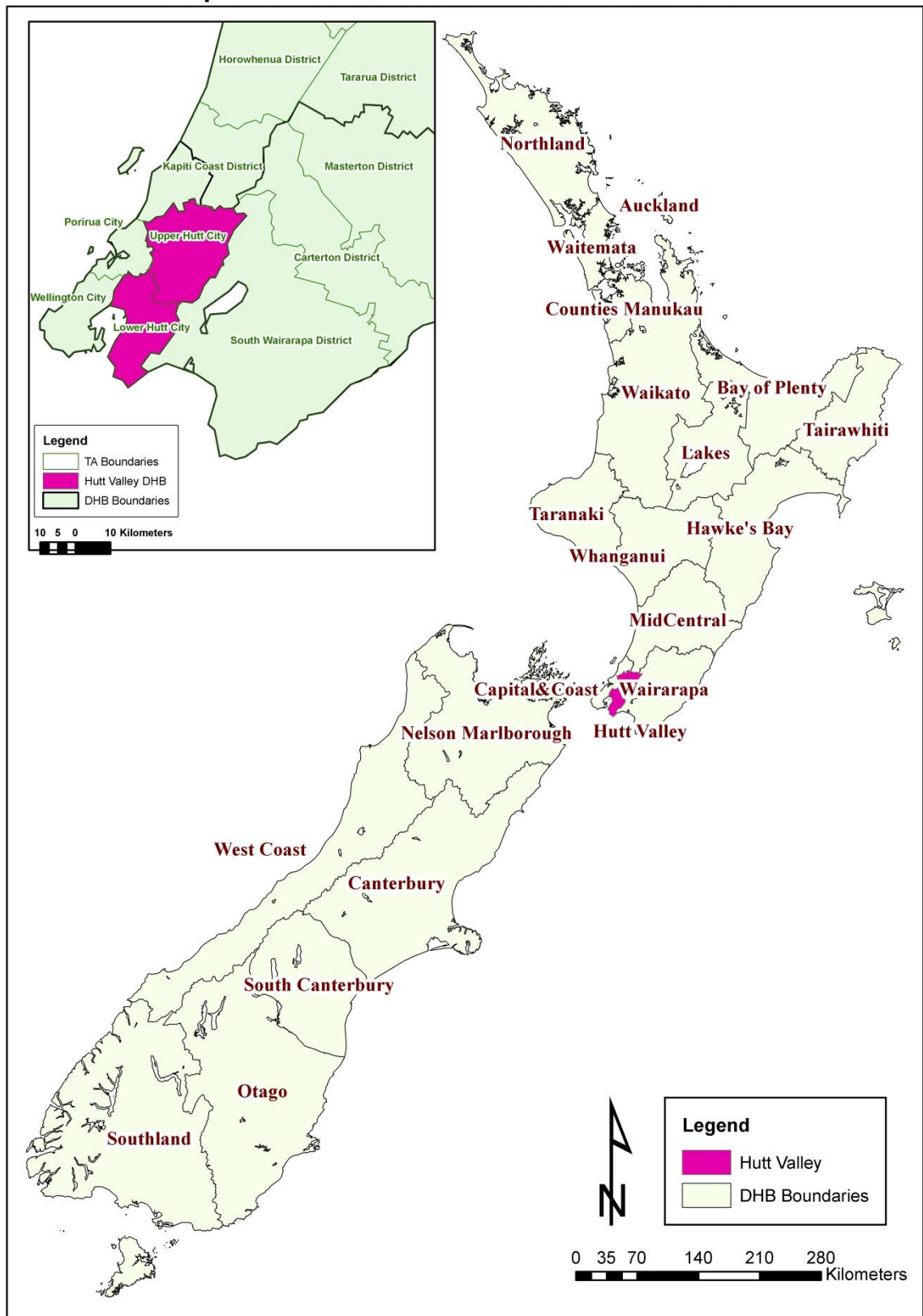
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non-Māori population in the DHB (622.3 per 100,000)

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

Hutt Valley DHB had a population of 140,930 at the last (2006) census, making up approximately 3.4 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise to 147,520 by 2026, an increase of 4.7 percent, compared to 19.2 percent for New Zealand.

1.1 Ethnicity

The proportion of people identifying themselves as Māori in Hutt Valley DHB is more than that of New Zealand as a whole, (16.4% compared to 14.6%). This represents 3.7 percent of the New Zealand Māori population (2006 Census).

1.2 Population Distribution by Age and Gender

The majority of the Hutt Valley DHB population (66.3%) are of working age (15-64 years), this makes up a slightly lesser proportion of the population than in New Zealand as a whole (66.5%), (Table 1.1). There are proportionately similar populations of young people (aged 0-14 years) and elderly (aged 65+ years) in the Hutt Valley when compared to the New Zealand population.

It is projected that by 2026, the proportion in the 65+ age group will have increased by 77.4 percent in Hutt Valley DHB compared to an increase of 84.5 percent nationally. Populations of both young people and those of working age are predicted to decline in Hutt Valley, (by 9.8% and 2.8% respectively). Trends for the rest of New Zealand are for modest increases in these two age groups, (4.6% and 12.0% respectively).

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

Location	Age Group	2006(Base Population)			2026 (Projected Population)		
		Male	Female	Total	Male	Female	Total
Hutt Valley	0-14	23.4	21.4	22.4	20.2	18.4	19.3
	15-64	66.5	66.1	66.3	61.8	61.3	61.6
	65+	10.1	12.5	11.3	18.0	20.3	19.2
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
Hutt Valley	0-14	16220	15330	31540	14700	13750	28450	-9.4	-10.3	-9.8
	15-64	46070	47350	93450	45090	45690	90800	-2.1	-3.5	-2.8
	65+	7000	8950	15940	13150	15130	28270	87.9	69.1	77.4
	Total	69290	71630	140930	72940	74570	147520	5.3	4.1	4.7
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

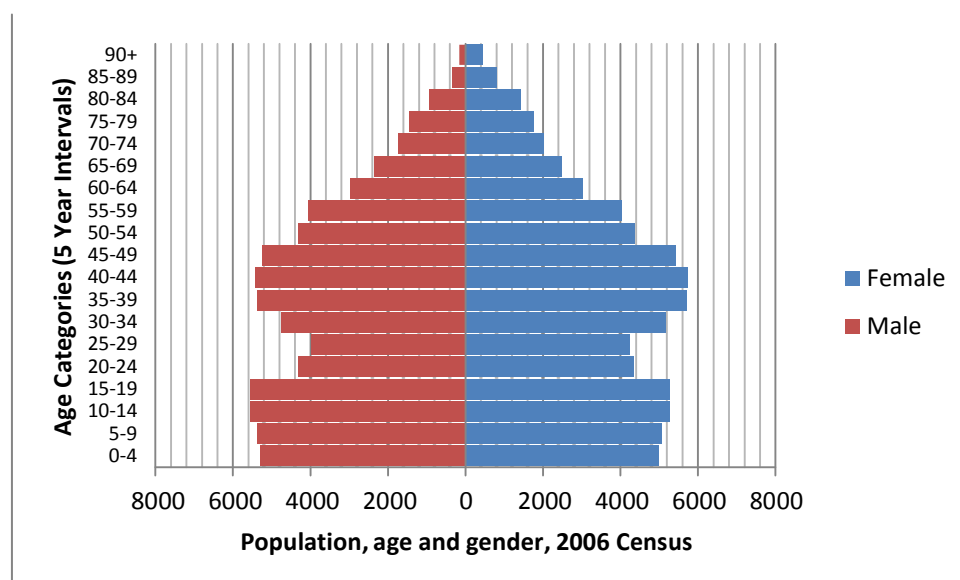
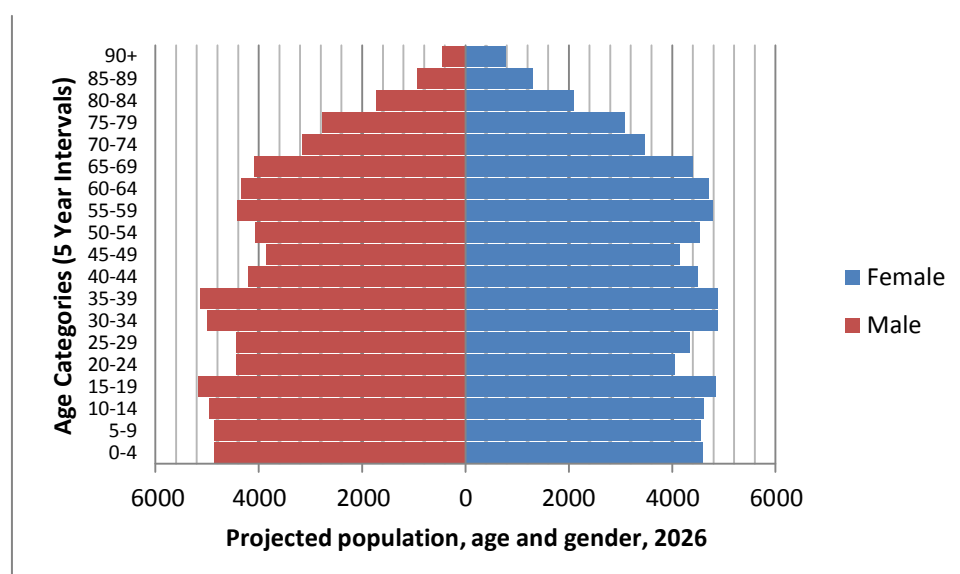


Figure 2: Projected population, age and gender, 2026



1.3 Population Distribution by Ethnicity

The Hutt Valley Māori population is younger than both the non-Māori and total Hutt Valley populations. The Māori population is dominated by young people (peak population 0-4 years). By comparison the non-Māori population is dominated by those of working age, with a peak population at 35-39 years.

Over the period 2006-2026, the Māori population will increase across all age categories. By comparison the non-Māori population is expected to decline in both the 0-14 and 15-65 age categories. Whilst the Māori population is expected to increase overall by 28.8 percent, there is an expected overall decline in the non-Māori population of 0.1 percent.

Despite the largest population rise occurring in the 65+ age group (251.2% compared to 19.9% for young people and 26.7% for those of working age), the predicted Māori population in 2026 is still dominated by young people, with the peak population remaining at 0-4 years. The aging of the non-Māori population is more pronounced, whilst the peak population remains at 35-39 years, a second peak can be seen at 55-64 years.

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

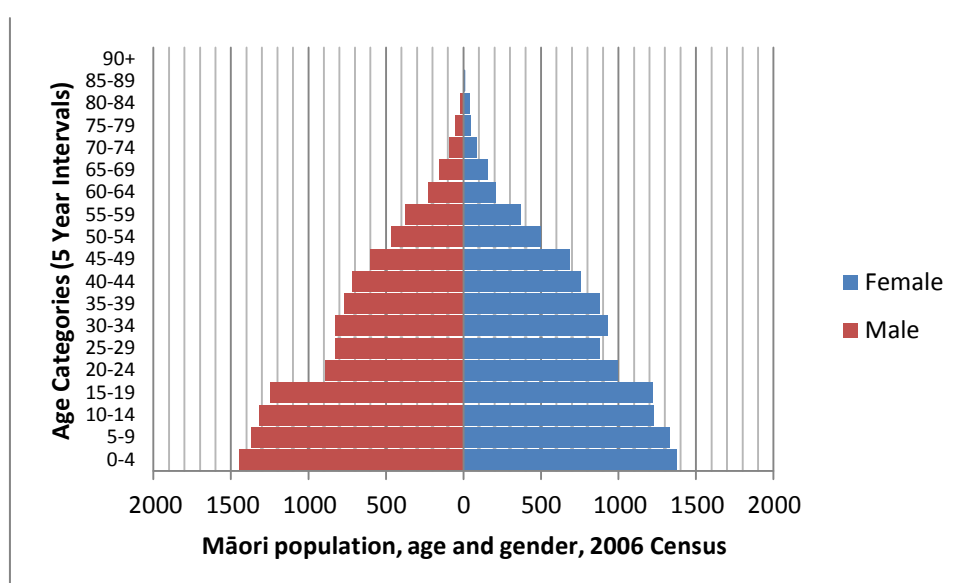


Figure 4: Non-Māori population, age and gender, 2006 Census

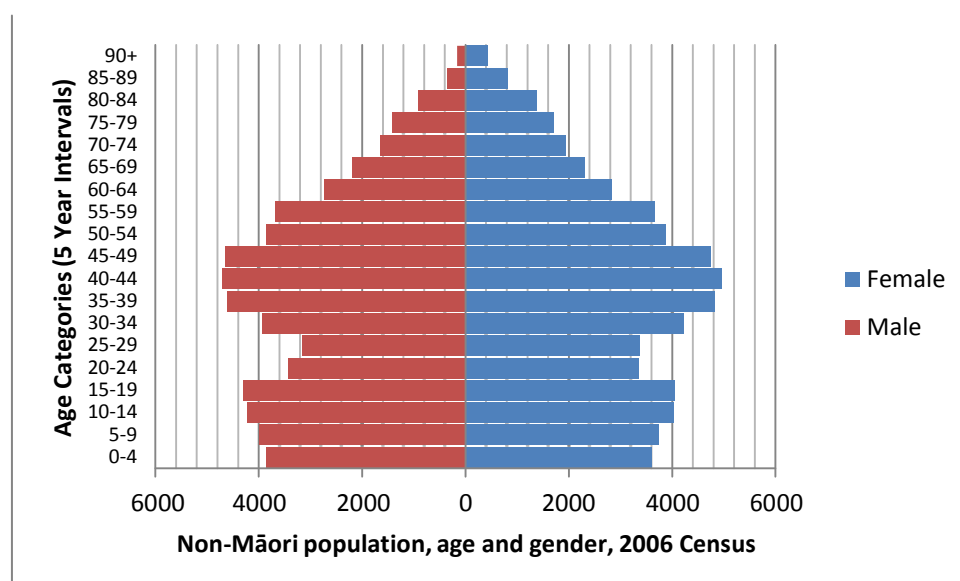


Table 1:3: Māori population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	0-14	4140	3940	8090	4720	4490	9200	14.0	14.0	13.7
	15-64	6970	7440	14400	8970	9280	18250	28.7	24.7	26.7
	65+	320	350	680	1090	1320	2390	240.6	277.1	251.5
	Total	11430	11730	23170	14780	15090	29840	29.3	28.6	28.8
New Zealand	0-14	110480	104810	215310	132290	125860	258150	19.7	20.1	19.9
	15-64	183640	199700	383320	236750	246600	483350	28.9	23.5	26.1
	65+	11680	14010	25710	30830	38330	69150	164.0	173.6	169.0
	Total	305800	318520	624340	399870	410790	810650	30.8	29.0	29.8

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

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	0-14	12080	11390	23450	9980	9260	19250	-17.4	-18.7	-17.9
	15-64	39100	39910	79050	36120	36410	72550	-7.6	-8.8	-8.2
	65+	6680	8600	15260	12060	13810	25880	80.5	60.6	69.6
	Total	57860	59900	117760	58160	59480	117680	0.5	-0.7	-0.1
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

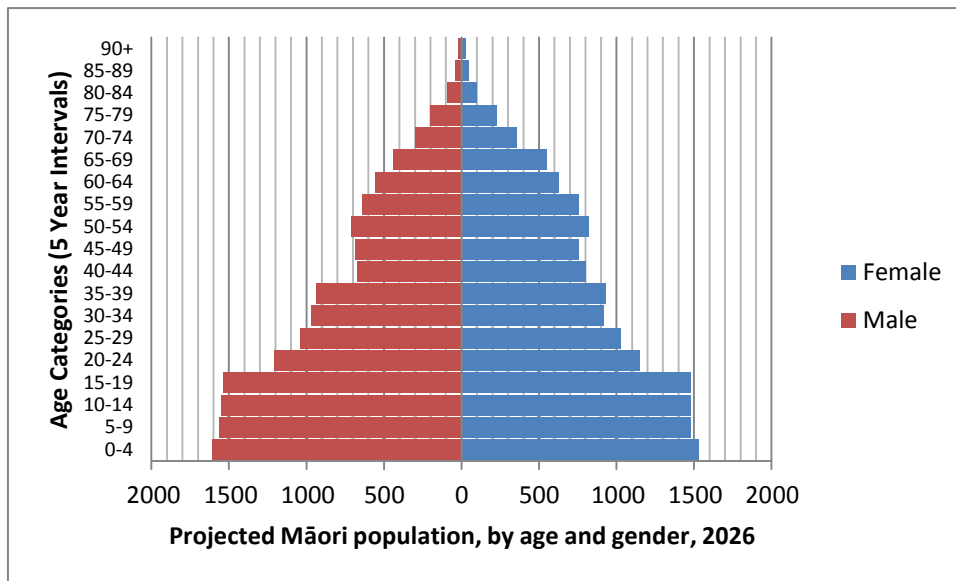
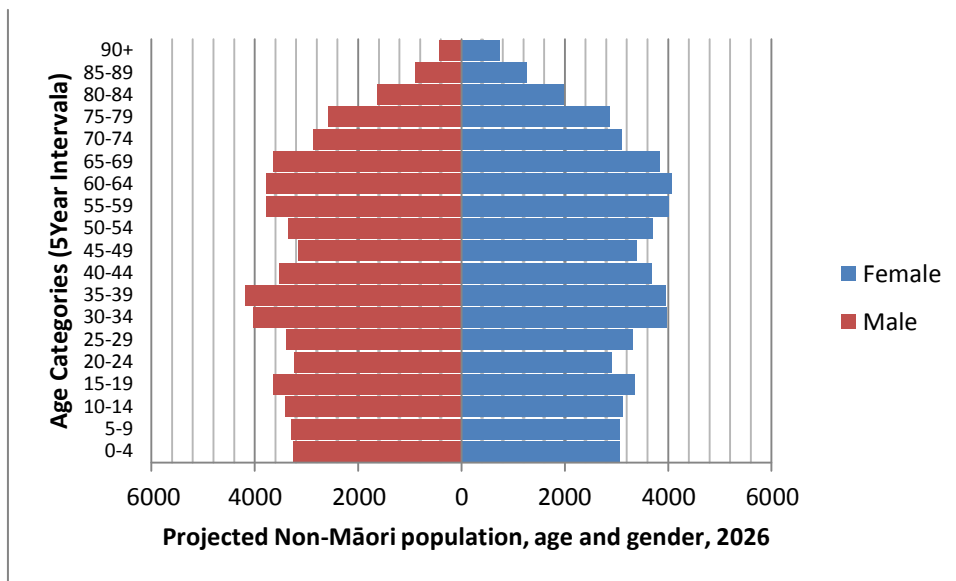


Figure 6: Projected non-Māori population, age and gender (2026)



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).

The Hutt Valley DHB population distribution shows no particular trend across the NZDep06 deprivation deciles. However there is a very visible difference between Māori and non-Māori. Whilst non-Māori are represented more in deciles one and two, Māori representation increases towards the higher deprivation deciles. The pattern for Māori is very similar to that seen nationally.

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

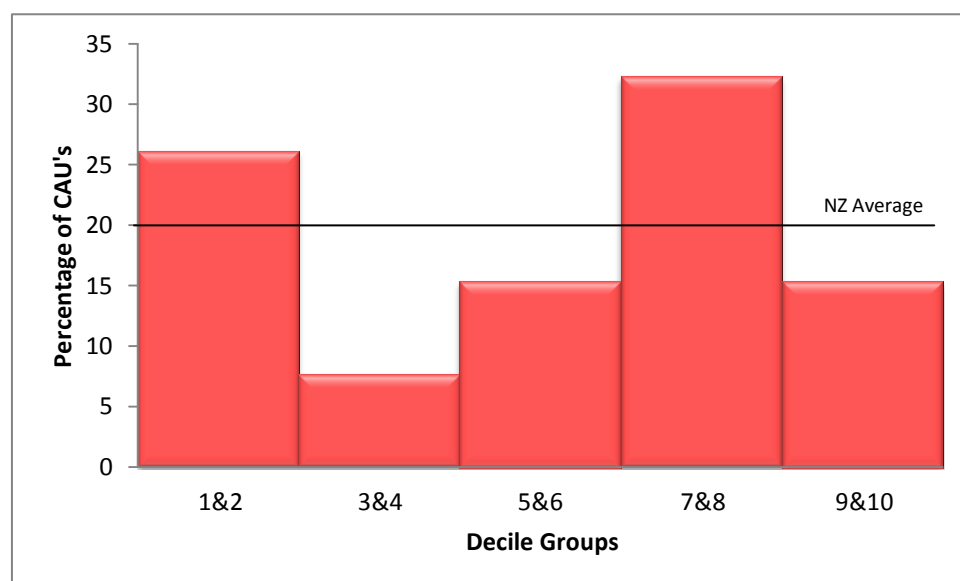


Figure 8: Hutt Valley DHB population, ethnicity and NZDep06 Decile

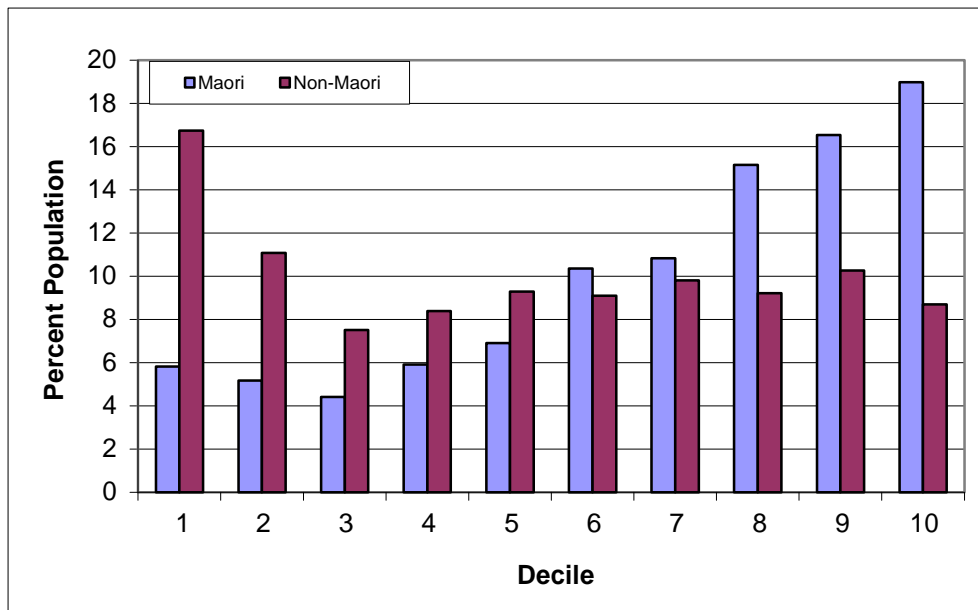
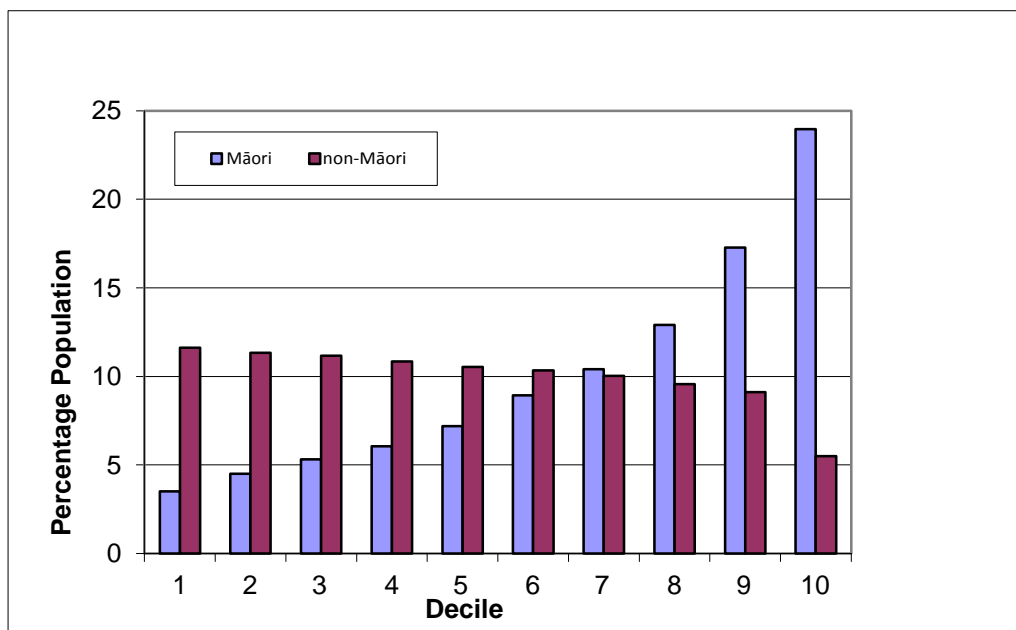


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



2.2 Education

The population of Hutt Valley DHB has a similar proportion of university graduates (degree level and above) (13.7%), compared to the New Zealand population (14.2%). It also has a similar proportion of people with no qualifications (22.8% compared to 22.4% for New Zealand).

2.3 Income

The Hutt Valley DHB has a higher proportion of the population earning over \$30,000 in personal income; 41.8 percent compared to 37.3 percent for New Zealand. This represents a higher 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 Hutt Valley DHB population is similar to that for New Zealand (94.5% compared to 94.9%). In terms of type of employment, there is a slightly lower proportion of professionals and managers in the Hutt Valley (34.3% compared to 36.0% nationally) but also a lower proportion of labourers (7.7% compared to 11.0% nationally).

2.5 Housing Tenure

More people own their own home in the Hutt Valley (55.4%) than in New Zealand as a whole (51.2%), whilst fewer people rent (29.4% compared to 31.1% nationally).

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

	Unit	Total, dwelling owned or partly owned by usual resident(s)	Total, dwelling not owned or partly owned by usual resident(s)	Total, dwelling held in a family trust by usual resident(s)	Not elsewhere included	Total
Hutt Valley	Number	27417	14562	5247	2250	49476
	Percentage	55.4	29.4	10.7	4.5	100.0
New Zealand	Number	743955	451965	167925	90333	1454178
	Percentage	51.2	31.1	11.6	6.2	100.0

2.6 Communications and Transport

Slightly more people have access to telecommunications in the Hutt Valley when compared to New Zealand overall.

More people have no access to a motor vehicle (10.7%) in the Hutt Valley than compared to New Zealand overall (7.8%).

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 Hutt Valley DHB district, in comparison to all New Zealanders.

Key points

- Three of the five leading causes of avoidable mortality were the same for Māori and non-Māori. These included ischaemic heart disease, lung cancer, and diabetes. Ischaemic heart disease, lung cancer, suicide, and diabetes were four of the top five leading causes of avoidable mortality for both Hutt Valley DHB and New Zealand.
- Respiratory infections, dental conditions, asthma, gastroenteritis and ENT infections were leading causes of avoidable hospitalisation for both Māori and non-Māori in the Hutt Valley DHB. These were also the leading causes for the Hutt Valley DHB and New Zealand in total.
- The rate of unintentional injury hospitalisation for the Hutt Valley DHB was statistically significantly lower than the national rate.
- Respiratory infections, disorders related to length of gestation and fetal growth, and gastro-oesophageal reflux disease were three of the five leading causes of hospitalisations for Māori and non-Māori children under 5 years. These were also featured in the top five leading causes for children 0-4 years in the Hutt Valley DHB and New Zealand as a whole.
- Four of the top five leading causes of hospitalisations for both Māori and non-Māori children 5-14 years old were the same: dental conditions, respiratory infections, ENT infections, and injuries to the elbow and forearm. These were also the leading causes for children under 15 years in the Hutt Valley DHB and New Zealand as a whole.
- Older Māori and non-Māori experienced the same leading four causes of mortality. These were ischaemic heart disease, COPD, lung cancer, and stroke. These were also featured in the top five leading causes of mortality for older people in New Zealand.
- The hospitalisation rate for cardiovascular disease in the Hutt Valley DHB was significantly higher than that observed nationally.
- The rates of chronic obstructive pulmonary disease (COPD) and melanoma hospitalisations in Hutt Valley DHB were significantly higher for Māori people than non-Māori people.
- The unintentional injury hospitalisation rate was statistically significantly higher for Māori youth 15-24 years compared to non-Māori youth; however, the rate for the Hutt Valley DHB was significantly lower than the national rate.
- The Hutt Valley DHB also had statistically significantly lower hospitalisation rates for falls in the 0-14 year age group compared to the national rate.

3.1 Avoidable Mortality

Overall, there was no significant difference in the rate of avoidable mortality between Māori and non-Māori (Table 3:1).

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

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Hutt Valley	Female	187.3	-55.0	- 429.5	77.2	18.8	- 135.6	87.5	30.9	- 144.1
	Male	256.6	-26.8	- 540.1	132.3	52.6	- 211.9	142.1	68.7	- 215.5
	Total	223.0	35.7	- 410.4	104.3	54.9	- 153.7	114.3	68.1	- 160.6
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, diabetes and lung cancer were three of the top five leading causes of avoidable mortality for Māori and non-Māori (Table 3:2). Diabetes and birth defects featured in the top five leading causes for non-Māori while COPD and breast cancer were leading causes for Māori.

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

	Hutt Valley 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
	COPD	4	Motor vehicle accidents	4
	Breast cancer (female only)	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
	Lung cancer	3	Lung cancer	3
	Diabetes	4	Motor vehicle accidents	4
	Birth defects	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

Four of the top five leading causes of avoidable mortality are similar for Hutt Valley DHB and New Zealand. These were ischaemic heart disease, lung cancer, diabetes, and suicide (Table 3:3). Breast cancer was the number one leading cause of avoidable mortality for women while ischaemic heart disease was the number one leading cause for men.

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

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

3.3 Avoidable Hospitalisations

There was no significant difference in the rate of avoidable hospitalisations between Māori and non-Māori (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	
Hutt Valley	Female	4690.3	3485.5	- 5895.1	3295.6	2756.5	- 3834.8	3506.7	3025.3	- 3988.1
	Male	4917.6	3681.0	- 6154.3	3959.1	3382.8	- 4535.5	4099.2	3588.3	- 4610.0
	Total	4814.0	3949.4	- 5678.6	3629.3	3234.2	- 4024.4	3805.4	3454.0	- 4156.7
New Zealand	Female	4904.4	4671.6	- 5137.1	3156.7	3061.1	- 3252.3	3408.8	3321.6	- 3496.1
	Male	4974.2	4736.0	- 5212.5	3535.8	3435.8	- 3635.9	3746.4	3655.7	- 3837.2
	Total	4946.3	4779.6	- 5112.9	3347.1	3277.8	- 3416.3	3578.9	3516.0	- 3641.9

3.4 Leading Causes of Avoidable Hospitalisations

The leading causes of avoidable hospitalisations were similar for Māori and non-Māori: respiratory infections, dental conditions, ENT infections, asthma, and gastroenteritis (Table 3:5).

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

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

Note: ENT infections= ear, nose and throat infections

Respiratory infections, gastroenteritis, dental conditions, ENT infections, and asthma were the top five leading causes of avoidable hospitalisations for both Hutt Valley DHB and New Zealand (Table 3:6). Cellulitis was one of the top five leading causes for women while it was not for men.

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

	Hutt Valley 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
	ENT infections	5	Cellulitis	5
Male	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	ENT infections	3
	ENT infections	4	Dental conditions	4
	Asthma	5	Angina	5
Total	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	Dental conditions	3
	ENT infections	4	ENT infections	4
	Asthma	5	Angina	5

Note: ENT infections= ear, nose and throat infections

3.5 Unintentional Injury Mortality

There were no significant differences in the rates of unintentional injury mortality for Māori and non-Māori as well as for the Hutt Valley DHB 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	
Hutt Valley	Female	18.0	-58.1	- 94.1	6.3	-13.4	- 26.0	9.2	-14.5	- 32.9
	Male	46.8	-74.1	- 167.6	15.3	-17.4	- 47.9	22.2	-14.6	- 59.0
	Total	31.9	-38.4	- 102.1	10.8	-8.4	- 29.9	15.6	-6.2	- 37.5
New Zealand	Female	21.2	6.0	- 36.3	7.8	3.8	- 11.8	10.4	6.0	- 14.7
	Male	49.1	25.2	- 73.0	21.6	14.8	- 28.5	26.1	19.1	- 33.0
	Total	34.5	20.7	- 48.4	14.6	10.7	- 18.6	18.1	14.0	- 22.2

3.6 Unintentional Injury Hospitalisations

The rate of unintentional injury hospitalisation for the Hutt Valley DHB was statistically significantly lower than the national rate (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	
Hutt Valley	Female	950.6	402.7	- 1498.5	729.2	481.8	- 976.6	787.0	560.4	- 1013.7
	Male	1837.1	1079.0	- 2595.3	1464.1	1118.7	- 1809.5	1532.2	1221.3	- 1843.1
	Total	1394.2	923.3	- 1865.2	1098.9	886.0	- 1311.7	1159.7	967.4	- 1352.1
New Zealand	Female	1344.0	1220.6	- 1467.5	1133.4	1077.2	- 1189.6	1174.8	1124.1	- 1225.5
	Male	2485.9	2315.3	- 2656.6	2015.8	1942.3	- 2089.3	2095.7	2028.9	- 2162.6
	Total	1900.9	1796.5	- 2005.3	1575.3	1529.0	- 1621.6	1634.3	1592.4	- 1676.3

3.7 Child Health (0-14 years)

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

Three of the top five leading causes of hospitalisations for 0-4 year olds were the same for Māori and non-Māori. These were respiratory infections, disorders related to length of gestation and fetal growth, and gastro-oesophageal reflux disease (Table 3:9).

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

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

Note: ENT infections= ear, nose and throat infections

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

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

Four of the top five leading causes of hospitalisations for children 0-4 years old in the Hutt Valley DHB were similar to the New Zealand top five leading causes (Table 3:10). These were respiratory infections, gastro-oesophageal reflux disease, disorders related to length of gestations and fetal growth, and ENT infections. The top five leading causes were also similar for boys and girls in the Hutt Valley DHB.

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

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

Note: ENT infections= ear, nose and throat infections

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

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

Dental conditions, respiratory infections, ENT infections, and injuries to the elbow and forearm were four of the top five leading causes of hospitalisations for both Māori and non-Māori children 5-14 years old in the Hutt Valley DHB (Table 3:11).

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

	Hutt Valley DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Dental conditions	1	Dental conditions	1
	Respiratory infections	2	Respiratory infections	2
	ENT infections	3	ENT infections	3
	Injuries to the elbow and forearm	4	Injuries to the elbow and forearm	4
	Cellulitis	5	*Persons encountering health services for specific procedures and health care	5
non-Māori	Dental conditions	1	Respiratory infections	1
	Respiratory infections	2	Dental conditions	2
	ENT infections	3	Injuries to the elbow and forearm	3
	Injuries to the elbow and forearm	4	ENT infections	4
	Symptoms and signs involving the digestive system and abdomen	5	Persons encountering health services for specific procedures and health care	5

Note: ENT infections= ear, nose and throat infections

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

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

Four of the top five leading causes of hospitalisations were the same for the Hutt Valley DHB and New Zealand as a whole (Table 3:12). These were dental conditions, respiratory infections, ENT infections, and injuries to the elbow and arm. These were also leading causes for both boys and girls in the Hutt Valley DHB.

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

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

Note: ENT infections= ear, nose and throat infections

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

3.8 Older People's Health (65+ years)

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

Four of the top five leading causes of mortality were the same for older Māori and non-Māori (Table 3:13). These were ischaemic heart disease, COPD, lung cancer, and stroke. Respiratory infections was a leading cause for Māori while colorectal cancer was a leading cause for non-Māori.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

The top five leading causes of mortality for older people were similar for the Hutt Valley DHB and New Zealand (Table 3:14). These were ischaemic heart disease, COPD, stroke, and lung cancer. Breast cancer and diabetes were in the top five leading causes of mortality for older women while it was not for older men.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

Leading cause of hospitalisations for people 65 years and over differed between Māori and non-Māori, but hospitalisations for respiratory infections and angina were two of the leading causes for both groups (Table 3:15).

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

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

Note: COPD=chronic obstructive pulmonary disease

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

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

Four of the top five leading causes of hospitalisations for older people were similar for the Hutt Valley DHB and New Zealand as a whole. These were ischaemic heart disease, respiratory infections, angina, and other forms of heart disease (Table 3:16).

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

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

Note: COPD=chronic obstructive pulmonary disease

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

3.9 Other Health Conditions

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

3.9.1 Chronic conditions

The hospitalisation rate for cardiovascular disease in the Hutt Valley DHB was statistically significantly higher than that observed nationally (Appendix 3: Table 3.1.2). The rate of chronic obstructive pulmonary disease hospitalisations in Hutt Valley DHB was significantly higher for Māori people than non-Māori people (Appendix 3: Table 3.1.27).

3.9.2 Cancer

The rate of melanoma hospitalisation was statistically significantly higher for Māori than non-Māori (Appendix 3: Table 3.1.11).

3.9.3 Other conditions

In the 15-24 year age group the rate of unintentional injury hospitalisation was significantly higher for Māori than non-Māori, however the rate for the Hutt Valley DHB was statistically significantly lower than the national rate (Appendix 3: Table 3.1.14). The Hutt Valley DHB also had statistically significantly lower hospitalisation rates for falls in the 0-14 year age group compared to the national rate.

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 Hutt Valley DHB compared to the national experience.

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

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

Key points

- In the Hutt Valley DHB, 86.6 percent of Māori children had received all specified immunisation vaccines by the age of two, which was slightly lower than the non-Māori rate. However, the coverage rate was still higher for Māori children in the Hutt Valley DHB compared to Māori children in New Zealand.
- Over half of Māori people aged 65 years and over either received an influenza vaccine, or had an agreement made by a primary health provider to receive an influenza vaccine in the past 12 months.
- Of women in the Hutt Valley DHB aged 50-64 years, 61.1 percent of Māori women had a mammogram to check for early signs of breast cancer in the past two years, which was lower than the non-Māori rate but higher than the rate for Māori women in New Zealand (51.5%).
- Of Māori women aged 20 to 69 years in the Hutt Valley DHB who had a primary health care provider 58.4 percent had a cervical smear in the past three years, which was lower than that for non-Māori women (77.6%) but still higher than the rate for Māori women in New Zealand (54.4%).

4.1 Immunisation Coverage at 2 Years

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

In the Hutt Valley DHB, 86.6 percent of Māori children had received all specified immunisation vaccines by the age of two, which was slightly lower than the non-Māori rate (Table 4:1). However, the coverage rate was still higher for Māori children in the Hutt Valley DHB compared to Māori children in New Zealand. The coverage rate was also higher for Hutt Valley DHB than that observed nationally.

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

DHB	Māori	non-Māori	Total
Hutt Valley DHB	86.6%	88.6%	88.1%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

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

Table 4:2: Influenza vaccinations in the last 12 months, 65+ years, percent, ethnicity, 2009-10

DHB	Māori	non-Māori	Total
Hutt Valley DHB	57.2%	58.5%	60.2%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Hutt Valley DHB aged 50-64 years, 67.8 percent had a mammogram to check for early signs of breast cancer in the past two years, which was higher than the national percentage (63.7%) (Table 4:3). The coverage rate for Māori women was lower (61.1%) than the non-Māori rate (69.0%) however it was still higher than the rate for Māori women in New Zealand (51.5%).

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

DHB	Māori	non-Māori	Total
Hutt Valley DHB	61.1%	69.0%	67.8%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Hutt Valley DHB who had a primary health care provider, 87.4 percent had a cervical smear in the past three years, which is higher than the national percentage (Table 4:4). The coverage rate for Māori women (58.4%) was lower than that for non-Māori women (77.6%) but was still higher than the rate for Māori women in New Zealand (54.4%).

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

DHB	Māori	non-Māori	Total
Hutt Valley DHB	58.4%	77.6%	87.4%
New Zealand	54.4%	75.5%	72.6%

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Appendix 1

Demographic Tables

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Table 1.1.1: Projected Total Population by Age and Sex at 30 June 2007 (2006-Base)																						
Location	Age Group	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026					
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total			
Hutt Valley	0-14	16,220	15,330	31,540	16,090	15,010	31,080	15,800	14,770	30,580	15,470	14,470	29,930	14,700	13,750	28,450	-	9.4	-	10.3	-	9.8
	15-64	46,070	47,350	93,450	47,140	48,330	95,490	46,750	47,890	94,640	46,070	47,000	93,070	45,090	45,690	90,800	-	2.1	-	3.5	-	2.8
	65+	7,000	8,950	15,940	8,600	10,260	18,860	9,880	11,540	21,430	11,310	13,090	24,400	13,150	15,130	28,270		87.9		69.1		77.4
	Total	69,290	71,630	140,930	71,830	73,600	145,430	72,430	74,200	146,650	72,850	74,560	147,400	72,940	74,570	147,520		5.3		4.1		4.7
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			
Hutt Valley	1,070	1,030	2,100	1,080	1,020	2,090	1,020	970	1,990	990	930	1,920	960	910	1,870	-	10.3	-	11.7	-	11.6
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			
Hutt Valley	4,230	3,960	8,180	4,510	4,220	8,730	4,230	3,990	8,220	4,020	3,790	7,810	3,910	3,680	7,590	-	7.6	-	7.1	-	7.1
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			
Hutt Valley	5,370	5,070	10,440	5,240	4,910	10,150	5,490	5,130	10,630	5,110	4,790	9,890	4,860	4,550	9,410	-	9.5	-	10.3	-	9.5
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			
Hutt Valley	5,550	5,270	10,820	5,260	4,860	10,110	5,060	4,680	9,740	5,350	4,960	10,310	4,970	4,610	9,580	-	10.5	-	12.5	-	11.5
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
Hutt Valley	5,560	5,280	10,840	5,350	5,090	10,440	5,090	4,800	9,890	4,890	4,560	9,450	5,180	4,840	10,020	-	6.8	- 8.3 - 7.6
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
Hutt Valley	4,330	4,350	8,680	5,260	4,830	10,090	5,000	4,700	9,700	4,640	4,300	8,940	4,440	4,060	8,500	2.5	- 6.7	- 2.1
New Zealand	145,850	145,330	291,180	169,800	160,880	330,690	168,800	159,910	328,710	159,270	152,430	311,690	157,870	150,830	308,700	8.2	3.8	6.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	3,990	4,250	8,250	4,360	4,500	8,860	4,980	4,790	9,770	4,800	4,750	9,550	4,440	4,350	8,800	11.3	2.4	6.7
New Zealand	126,770	133,600	260,370	150,020	150,210	300,230	165,090	158,620	323,710	167,730	160,800	328,530	158,300	153,340	311,640	24.9	14.8	19.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	4,760	5,160	9,920	4,320	4,630	8,950	4,450	4,690	9,140	5,180	4,930	10,110	5,000	4,890	9,900	5.0	- 5.2	- 0.2
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
Hutt Valley	5,380	5,710	11,090	4,620	4,990	9,620	4,280	4,520	8,800	4,400	4,650	9,050	5,130	4,890	10,020	-	4.6	- 14.4 - 9.6
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
Hutt Valley	5,420	5,730	11,160	5,210	5,550	10,760	4,560	5,050	9,610	4,080	4,360	8,440	4,200	4,490	8,690	-	22.5	- 21.6 - 22.1
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
Hutt Valley	5,260	5,430	10,700	5,080	5,440	10,530	5,000	5,360	10,370	4,340	4,840	9,180	3,860	4,160	8,020	-	26.6	- 23.4 - 25.0
New Zealand	149,120	156,040	305,160	152,810	163,480	316,290	149,650	163,730	313,380	139,930	154,200	294,120	136,740	146,680	283,430	-	8.3	- 6.0 - 7.1

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	4,330	4,370	8,700	5,070	5,250	10,330	4,950	5,220	10,160	4,720	5,050	9,770	4,070	4,530	8,600	-	6.0	3.7 - 1.1
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
Hutt Valley	4,070	4,030	8,100	4,140	4,260	8,400	4,690	4,860	9,550	4,640	4,940	9,580	4,430	4,780	9,210		8.8	18.6 13.7
New Zealand	120,080	122,930	243,010	129,440	134,870	264,310	142,290	150,520	292,810	148,060	159,630	307,690	143,050	158,280	301,330		19.1	28.8 24.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	2,970	3,040	6,010	3,730	3,790	7,510	3,750	3,900	7,650	4,380	4,620	9,000	4,340	4,700	9,040		46.1	54.6 50.4
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
Hutt Valley	2,350	2,480	4,830	2,900	2,990	5,890	3,460	3,600	7,070	3,460	3,700	7,150	4,080	4,390	8,470		73.6	77.0 75.4
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
Hutt Valley	1,740	2,030	3,760	2,270	2,430	4,700	2,450	2,660	5,110	3,150	3,370	6,520	3,170	3,470	6,640		82.2	70.9 76.6
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
Hutt Valley	1,470	1,760	3,230	1,500	1,810	3,310	1,830	2,080	3,910	2,140	2,430	4,570	2,780	3,090	5,860	89.1	75.6	81.4
New Zealand	47,570	56,030	103,600	50,280	57,860	108,140	60,630	68,560	129,190	71,550	79,900	151,460	91,620	102,350	193,970	92.6	82.7	87.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	930	1,420	2,350	1,140	1,520	2,660	1,170	1,540	2,710	1,450	1,780	3,230	1,730	2,090	3,820	86.0	47.2	62.6
New Zealand	30,180	44,000	74,180	36,850	46,670	83,520	38,390	47,390	85,780	48,240	58,280	106,510	57,700	68,660	126,360	91.2	56.0	70.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	350	820	1,170	570	960	1,530	680	1,020	1,700	730	1,070	1,810	940	1,310	2,250	168.6	59.8	92.3
New Zealand	13,160	25,920	39,080	19,190	30,990	50,170	22,720	32,900	55,620	24,810	34,280	59,090	32,180	43,160	75,340	144.5	66.5	92.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	160	440	600	220	550	770	290	640	930	380	740	1,120	450	780	1,230	181.3	77.3	105.0
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
Hutt Valley	69,300	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	12.6	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
Hutt Valley	0-14	4,140	3,940	8,090	4,510	4,310	8,810	4,670	4,440	9,120	4,800	4,560	9,360	4,720	4,490	9,200	14.0	14.0	13.7
	15-64	6,970	7,440	14,400	7,610	8,080	15,680	7,950	8,460	16,410	8,390	8,830	17,220	8,970	9,280	18,250	28.7	24.7	26.7
	65+	320	350	680	480	490	980	620	670	1,290	820	950	1,770	1,090	1,320	2,390	240.6	277.1	251.5
	Total	11,430	11,730	23,170	12,600	12,880	25,470	13,240	13,570	26,820	14,010	14,340	28,350	14,780	15,090	29,840	29.3	28.6	28.8
New Zealand	0-14	110,480	104,810	215,310	119,900	114,160	234,070	126,030	119,990	246,030	133,180	126,750	259,920	132,290	125,860	258,150	19.7	20.1	19.9
	15-64	183,640	199,700	383,320	200,480	215,580	416,040	210,230	224,440	434,680	220,480	233,230	453,710	236,750	246,600	483,350	28.9	23.5	26.1
	65+	11,680	14,010	25,710	15,340	18,520	33,860	18,920	22,970	41,880	24,150	29,520	53,660	30,830	38,330	69,150	164.0	173.6	169.0
	Total	305,800	318,520	624,340	335,720	348,260	683,970	355,180	367,400	722,590	377,810	389,500	767,290	399,870	410,790	810,650	30.8	29.0	29.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	290	280	570	330	320	650	320	310	630	320	300	620	330	310	640	13.8	10.7	12.3
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
Hutt Valley	1,160	1,100	2,260	1,360	1,290	2,640	1,300	1,240	2,540	1,270	1,200	2,470	1,280	1,220	2,500	10.3	10.9	10.6
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
Hutt Valley	1,370	1,330	2,710	1,470	1,390	2,860	1,670	1,580	3,250	1,590	1,520	3,110	1,560	1,480	3,030	13.9	11.3	11.8
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
Hutt Valley	1,320	1,230	2,550	1,350	1,310	2,660	1,380	1,310	2,700	1,620	1,540	3,160	1,550	1,480	3,030	17.4	20.3	18.8
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
Hutt Valley	1,250	1,220	2,460	1,250	1,200	2,450	1,270	1,250	2,520	1,320	1,260	2,580	1,540	1,480	3,020	23.2	21.3	22.8
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
Hutt Valley	890	1,000	1,890	1,160	1,100	2,260	1,140	1,070	2,200	1,160	1,140	2,300	1,210	1,150	2,350	36.0	15.0	24.3
New Zealand	24,200	25,900	50,090	31,190	30,640	61,830	32,070	29,740	61,810	30,950	29,310	60,250	31,030	29,250	60,280	28.2	12.9	20.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	830	880	1,700	780	890	1,660	1,010	990	2,000	1,020	950	1,970	1,040	1,030	2,070	25.3	17.0	21.8
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
Hutt Valley	830	930	1,760	790	830	1,620	720	850	1,570	960	950	1,910	970	920	1,890	16.9	-	1.1
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
Hutt Valley	770	880	1,660	790	900	1,690	750	810	1,560	690	830	1,520	940	930	1,860	22.1	5.7	12.0
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
Hutt Valley	720	760	1,480	760	880	1,640	770	880	1,650	720	790	1,510	670	800	1,470	-	6.9	5.3
New Zealand	19,170	21,360	40,530	19,120	22,160	41,280	18,490	21,590	40,070	17,590	20,680	38,270	18,330	21,080	39,410	-	4.4	1.3

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
Hutt Valley	600	690	1,290	670	720	1,400	710	830	1,540	740	850	1,590	690	760	1,450	15.0	10.1	12.4
New Zealand	16,760	18,590	35,350	18,010	20,280	38,290	18,040	20,990	39,040	17,620	20,820	38,440	16,770	19,950	36,720	0.1	7.3	3.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	470	500	970	600	700	1,300	650	710	1,360	680	800	1,480	710	820	1,530	51.1	64.0	57.7
New Zealand	12,930	13,930	26,860	16,240	18,560	34,800	17,130	19,620	36,750	17,090	20,150	37,240	16,720	20,010	36,720	29.3	43.6	36.7

Table 1.2.14: 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
Hutt Valley	380	370	750	450	500	950	530	630	1,170	610	670	1,280	640	760	1,410	68.4	105.4	88.0
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
Hutt Valley	230	210	440	360	360	710	400	440	840	490	590	1,080	560	630	1,200	143.5	200.0	172.7
New Zealand	6,770	7,360	14,130	9,450	10,470	19,930	10,850	12,270	23,130	13,450	15,820	29,270	14,830	17,660	32,490	119.1	139.9	129.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	160	160	320	220	200	420	300	310	610	350	410	760	440	550	980	175.0	243.8	206.3
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
Hutt Valley	90	90	180	140	140	280	160	160	320	250	270	520	300	360	660	233.3	300.0	266.7
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
Hutt Valley	50	50	100	70	80	150	90	110	200	120	130	250	200	230	430	300.0	360.0	330.0
New Zealand	1,810	2,380	4,200	2,590	3,230	5,820	3,470	4,200	7,670	3,930	4,830	8,760	5,540	6,830	12,360	206.1	187.0	194.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	20	40	50	40	40	80	40	50	90	60	80	140	90	100	180	350.0	150.0	260.0
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
Hutt Valley	-	10	20	10	20	40	20	30	50	30	40	70	40	50	100	/	400.0	400.0
New Zealand	280	530	810	390	780	1,170	630	1,090	1,710	970	1,480	2,450	1,450	2,160	3,610	417.9	307.5	345.7

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

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

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	11,400	11,700	23,200	12,600	12,900	25,500	13,300	13,600	26,800	14,000	14,300	28,400	14,800	15,100	29,800	29.8	29.1	28.4
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	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
Hutt Valley	0-14	12,080	11,390	23,450	11,580	10,700	22,270	11,130	10,330	21,460	10,670	9,910	20,570	9,980	9,260	19,250	-	17.4	- 18.7 - 17.9
	15-64	39,100	39,910	79,050	39,530	40,250	79,810	38,800	39,430	78,230	37,680	38,170	75,850	36,120	36,410	72,550	-	7.6	- 8.8 - 8.2
	65+	6,680	8,600	15,260	8,120	9,770	17,880	9,260	10,870	20,140	10,490	12,140	22,630	12,060	13,810	25,880		80.5	60.6 69.6
	Total	57,860	59,900	117,760	59,230	60,720	119,960	59,190	60,630	119,830	58,840	60,220	119,050	58,160	59,480	117,680		0.5	- 0.7 - 0.1
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
Hutt Valley	780	750	1,530	750	700	1,440	700	660	1,360	670	630	1,300	630	600	1,230	-	19.2	- 20.0 - 19.6
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
Hutt Valley	3,070	2,860	5,920	3,150	2,930	6,090	2,930	2,750	5,680	2,750	2,590	5,340	2,630	2,460	5,090	-	14.3	- 14.0 - 14.0
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
Hutt Valley	4,000	3,740	7,730	3,770	3,520	7,290	3,820	3,550	7,380	3,520	3,270	6,780	3,300	3,070	6,380	-	17.5	- 17.9 - 17.5
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
Hutt Valley	4,230	4,040	8,270	3,910	3,550	7,450	3,680	3,370	7,040	3,730	3,420	7,150	3,420	3,130	6,550	-	19.1	- 22.5 - 20.8
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
Hutt Valley	4,310	4,060	8,380	4,100	3,890	7,990	3,820	3,550	7,370	3,570	3,300	6,870	3,640	3,360	7,000	-	15.5	- 17.2 - 16.5
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
Hutt Valley	3,440	3,350	6,790	4,100	3,730	7,830	3,860	3,630	7,500	3,480	3,160	6,640	3,230	2,910	6,150	-	6.1	- 13.1 - 9.4
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
Hutt Valley	3,160	3,370	6,550	3,580	3,610	7,200	3,970	3,800	7,770	3,780	3,800	7,580	3,400	3,320	6,730		7.6	- 1.5 2.7
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
Hutt Valley	3,930	4,230	8,160	3,530	3,800	7,330	3,730	3,840	7,570	4,220	3,980	8,200	4,030	3,970	8,010		2.5	- 6.1 - 1.8
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
Hutt Valley	4,610	4,830	9,430	3,830	4,090	7,930	3,530	3,710	7,240	3,710	3,820	7,530	4,190	3,960	8,160	-	9.1	- 18.0 - 13.5
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
Hutt Valley	4,700	4,970	9,680	4,450	4,670	9,120	3,790	4,170	7,960	3,360	3,570	6,930	3,530	3,690	7,220	-	24.9	- 25.8 - 25.4
New Zealand	136,770	145,180	281,960	132,310	143,980	276,290	122,510	133,690	256,210	120,100	126,950	247,050	137,440	139,430	276,880		0.5	- 4.0 - 1.8

Table 1.3.12: Projected Non Māori Population Aged 45-49 Years by Sex at 30 June 2007–26 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	4,660	4,740	9,410	4,410	4,720	9,130	4,290	4,530	8,830	3,600	3,990	7,590	3,170	3,400	6,570	-	32.0	- 28.3 - 30.2
New Zealand	132,360	137,450	269,810	134,800	143,200	278,000	131,610	142,740	274,340	122,310	133,380	255,680	119,970	126,730	246,710	-	9.4	- 7.8 - 8.6

Table 1.3.13: Projected Non Māori Population Aged 50-54 Years by Sex at 30 June 2007–26 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	3,860	3,870	7,730	4,470	4,550	9,030	4,300	4,510	8,800	4,040	4,250	8,290	3,360	3,710	7,070	-	13.0	- 4.1 - 8.5
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
Hutt Valley	3,690	3,660	7,350	3,690	3,760	7,450	4,160	4,230	8,380	4,030	4,270	8,300	3,790	4,020	7,800		2.7	9.8 6.1
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
Hutt Valley	2,740	2,830	5,570	3,370	3,430	6,800	3,350	3,460	6,810	3,890	4,030	7,920	3,780	4,070	7,840		38.0	43.8 40.8
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
Hutt Valley	2,190	2,320	4,510	2,680	2,790	5,470	3,160	3,290	6,460	3,110	3,290	6,390	3,640	3,840	7,490		66.2	65.5 66.1
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
Hutt Valley	1,650	1,940	3,580	2,130	2,290	4,420	2,290	2,500	4,790	2,900	3,100	6,000	2,870	3,110	5,980		73.9	60.3 67.0
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
Hutt Valley	1,420	1,710	3,130	1,430	1,730	3,160	1,740	1,970	3,710	2,020	2,300	4,320	2,580	2,860	5,430	81.7	67.3	73.5
New Zealand	45,760	53,650	99,400	47,690	54,630	102,320	57,160	64,360	121,520	67,620	75,070	142,700	86,080	95,520	181,610	88.1	78.0	82.7

Table 1.3.19: Projected Non Māori Population Aged 80-84 Years by Sex at 30 June 2007–26 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hutt Valley	910	1,380	2,300	1,100	1,480	2,580	1,130	1,490	2,620	1,390	1,700	3,090	1,640	1,990	3,640	80.2	44.2	58.3
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
Hutt Valley	350	810	1,150	560	940	1,490	660	990	1,650	700	1,030	1,740	900	1,260	2,150	157.1	55.6	87.0
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
Hutt Valley	160	440	590	220	540	760	280	630	910	370	720	1,090	430	750	1,190	168.8	70.5	101.7
New Zealand	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
Hutt Valley	57,860	59,900	117,760	59,230	60,720	119,960	59,190	60,630	119,830	58,840	60,220	119,050	58,160	59,480	117,680	0.5	-	0.1
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
Hutt Valley	Number	5,340	5,700	6,174	6,381	5,649	4,299	4,602	4,995	5,541
	Percentage	7.0	7.0	8.0	8.0	7.0	6.0	6.0	6.0	7.0
New Zealand	Number	140,382	146,532	157,116	152,439	135,084	117,216	130,884	143,001	150,900
	Percentage	7.1	7.5	8.0	7.8	6.9	6.0	6.7	7.3	7.7

		45–49	50–54	55–59	60–64	65–69	70–74	75–79	80–84	85+	Total
Hutt Valley	Number	5,514	4,695	4,464	3,636	3,186	2,565	2,142	1,356	765	77,004
	Percentage	7.0	6.0	6.0	5.0	4.0	3.0	3.0	2.0	1.0	
New Zealand	Number	143,055	124,311	115,224	88,338	72,114	55,878	46,356	29,124	17,667	1,965,618
	Percentage	7.3	6.3	5.9	4.5	3.7	2.8	2.4	1.5	0.9	

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

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

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

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

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Hutt Valley	Number	4,863	4,935	5,199	5,028	4,104	4,089	5,034	5,508	5,625
	Percentage	7.0	7.0	8.0	7.0	6.0	6.0	7.0	8.0	8.0
New Zealand	Number	134,694	139,956	148,896	147,762	135,894	125,223	145,677	158,553	162,798
	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
Hutt Valley	Number	5,238	4,206	3,873	2,928	2,370	1,977	1,716	1,395	1,227	69,312
	Percentage	8.0	6.0	6.0	4.0	3.0	3.0	2.0	2.0	2.0	
New Zealand	Number	150,369	128,421	118,347	91,278	76,434	61,056	54,858	43,113	39,000	2,062,329
	Percentage	7.3	6.2	5.7	4.4	3.7	3.0	2.7	2.1	1.9	

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

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

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

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

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Hutt Valley	Number	9,999	10,191	10,653	10,362	8,121	7,869	9,642	10,659	10,914
	Percentage	7.0	7.0	8.0	8.0	6.0	6.0	7.0	8.0	8.0
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,698
	Percentage	6.8	7.1	7.6	7.5	6.7	6.0	6.9	7.5	7.8

		45–49	50–54	55–59	60–64	65–69	70–74	75–79	80–84	85+	Total
Hutt Valley	Number	10,278	8,373	7,785	5,808	4,605	3,693	3,141	2,271	1,734	136,101
	Percentage	8.0	6.0	6.0	4.0	3.0	3.0	2.0	2.0	1.0	
New Zealand	Number	293,421	252,729	233,571	179,616	148,545	116,934	101,214	72,237	56,670	4,027,947
	Percentage	7.3	6.3	5.8	4.5	3.7	2.9	2.5	1.8	1.4	

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

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

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

Table 1.4.4: Female Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,305	27.5	32,355	25.1	3,438	72.5	96,579	74.9	4,743	97.5	128,934	95.7	120	2.5	5,760	4.3	4,866	134,697
5–9	1,272	26.5	32,544	24.2	3,528	73.5	101,832	75.8	4,800	97.3	134,376	96.0	132	2.7	5,577	4.0	4,932	139,956
10–14	1,167	22.9	32,379	22.6	3,921	77.1	110,901	77.4	5,088	97.9	143,280	96.2	111	2.1	5,613	3.8	5,199	148,896
15–19	1,092	22.2	29,502	20.8	3,819	77.8	112,365	79.2	4,911	97.7	141,867	96.0	117	2.3	5,895	4.0	5,028	147,759
20–24	906	22.6	22,434	17.4	3,102	77.4	106,608	82.6	4,008	97.7	129,042	95.0	93	2.3	6,849	5.0	4,101	135,891
25–29	819	20.5	20,529	17.2	3,174	79.5	98,604	82.8	3,993	97.7	119,133	95.1	96	2.3	6,090	4.9	4,089	125,226
30–34	870	17.7	21,384	15.3	4,059	82.3	118,290	84.7	4,929	97.9	139,674	95.9	102	2.0	6,000	4.1	5,034	145,677
35–39	834	15.4	20,790	13.6	4,566	84.6	131,550	86.4	5,400	98.0	152,340	96.1	108	2.0	6,210	3.9	5,511	158,553
40–44	738	13.4	19,905	12.7	4,785	86.6	136,773	87.3	5,523	98.2	156,678	96.2	102	1.8	6,120	3.8	5,622	162,798
45–49	636	12.4	16,926	11.7	4,485	87.6	127,536	88.3	5,121	97.8	144,462	96.1	114	2.2	5,907	3.9	5,235	150,369
50–54	462	11.2	12,597	10.2	3,648	88.8	110,826	89.8	4,110	97.7	123,423	96.1	96	2.3	4,998	3.9	4,206	128,421
55–59	342	9.0	9,762	8.6	3,447	91.0	104,037	91.4	3,789	97.8	113,799	96.2	81	2.1	4,548	3.8	3,873	118,347
60–64	189	6.6	6,717	7.6	2,682	93.4	81,159	92.4	2,871	98.0	87,876	96.3	57	1.9	3,405	3.7	2,931	91,278
65–69	144	6.2	5,310	7.2	2,166	93.8	68,244	92.8	2,310	97.6	73,554	96.2	57	2.4	2,880	3.8	2,367	76,434
70–74	84	4.4	3,471	5.9	1,842	95.6	55,368	94.1	1,926	97.4	58,839	96.4	51	2.6	2,217	3.6	1,977	61,059
75–79	45	2.7	2,190	4.1	1,623	97.3	50,607	95.9	1,668	97.2	52,797	96.2	48	2.8	2,058	3.8	1,716	54,855
80–84	33	2.5	1,074	2.6	1,305	97.5	40,437	97.4	1,338	96.1	41,511	96.3	54	3.9	1,605	3.7	1,392	43,116
85 and over	12	1.0	609	1.6	1,155	99.0	37,002	98.4	1,167	95.1	37,611	96.4	63	5.1	1,389	3.6	1,227	39,000
Total	10,953	16.2	290,469	14.7	56,748	83.8	1,688,736	85.3	67,701	97.7	1,979,205	96.0	1,614	2.3	83,124	4.0	69,315	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	
	Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,365	27.2	34,071	25.3	3,651	72.8	100,671	74.7	5,016	97.7	134,742	96.0	114	2.2	5,640	4.0	5,133	140,382
5–9	1,338	25.9	34,230	24.2	3,825	74.1	106,974	75.8	5,163	98.2	141,204	96.4	96	1.8	5,331	3.6	5,259	146,535
10–14	1,254	23.4	34,347	22.7	4,095	76.6	117,129	77.3	5,349	98.1	151,476	96.4	105	1.9	5,637	3.6	5,454	157,113
15–19	1,119	21.6	29,031	19.9	4,068	78.4	117,156	80.1	5,187	97.3	146,187	95.9	144	2.7	6,252	4.1	5,331	152,436
20–24	786	20.2	20,337	16.0	3,096	79.8	107,127	84.0	3,882	96.6	127,464	94.4	135	3.4	7,623	5.6	4,020	135,087
25–29	738	20.1	17,577	15.9	2,925	79.9	92,970	84.1	3,663	97.0	110,547	94.3	111	2.9	6,669	5.7	3,777	117,216
30–34	747	16.7	18,075	14.5	3,738	83.3	106,272	85.5	4,485	97.3	124,347	95.0	126	2.7	6,540	5.0	4,611	130,884
35–39	705	14.1	17,808	13.1	4,302	85.9	118,554	86.9	5,007	97.2	136,362	95.4	144	2.8	6,639	4.6	5,151	143,001
40–44	669	13.0	17,367	12.0	4,485	87.0	126,945	88.0	5,154	97.3	144,312	95.6	141	2.7	6,588	4.4	5,295	150,900
45–49	549	11.2	14,979	10.9	4,371	88.8	122,079	89.1	4,920	97.6	137,058	95.8	120	2.4	5,994	4.2	5,040	143,055
50–54	438	10.8	11,595	9.7	3,636	89.2	107,670	90.3	4,074	97.8	119,265	95.9	96	2.3	5,046	4.1	4,167	124,308
55–59	342	8.9	8,868	8.0	3,483	91.1	101,742	92.0	3,825	97.8	110,610	96.0	84	2.1	4,614	4.0	3,912	115,224
60–64	204	7.2	6,096	7.2	2,610	92.8	78,822	92.8	2,814	97.8	84,918	96.1	63	2.2	3,420	3.9	2,877	88,335
65–69	132	6.1	4,848	7.0	2,043	93.9	64,494	93.0	2,175	97.2	69,342	96.2	63	2.8	2,769	3.8	2,238	72,114
70–74	87	5.2	3,039	5.7	1,590	94.8	50,718	94.3	1,677	97.7	53,757	96.2	42	2.4	2,121	3.8	1,716	55,878
75–79	45	3.2	1,620	3.6	1,347	96.8	42,957	96.4	1,392	97.7	44,577	96.2	33	2.3	1,782	3.8	1,425	46,359
80–84	12	1.4	693	2.5	840	98.6	27,219	97.5	852	97.3	27,912	95.8	24	2.7	1,212	4.2	876	29,124
85 and over	3	0.6	279	1.7	489	99.4	16,599	98.3	492	97.0	16,878	95.5	12	2.4	789	4.5	507	17,667
Total	10,530	16.2	274,860	14.6	54,600	83.8	1,606,098	85.4	65,130	97.5	1,880,958	95.7	1,656	2.5	84,660	4.3	66,789	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	
	Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley		New Zealand		Hutt Valley	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	2,673	27.4	66,426	25.2	7,089	72.6	197,250	74.8	9,762	97.7	263,676	95.9	237	2.4	11,400	4.1	9,996	275,079
5–9	2,607	26.2	66,774	24.2	7,356	73.8	208,806	75.8	9,963	97.8	275,580	96.2	228	2.2	10,908	3.8	10,191	286,488
10–14	2,421	23.2	66,726	22.6	8,010	76.8	228,030	77.4	10,431	97.9	294,756	96.3	219	2.1	11,253	3.7	10,650	306,009
15–19	2,208	21.9	58,533	20.3	7,893	78.1	229,521	79.7	10,101	97.5	288,054	96.0	261	2.5	12,144	4.0	10,359	300,198
20–24	1,692	21.4	42,771	16.7	6,198	78.6	213,735	83.3	7,890	97.2	256,506	94.7	231	2.8	14,472	5.3	8,121	270,978
25–29	1,557	20.3	38,106	16.6	6,099	79.7	191,577	83.4	7,656	97.3	229,683	94.7	210	2.7	12,759	5.3	7,869	242,442
30–34	1,620	17.2	39,459	14.9	7,797	82.8	224,562	85.1	9,417	97.6	264,021	95.5	228	2.4	12,540	4.5	9,645	276,561
35–39	1,539	14.8	38,598	13.4	8,868	85.2	250,104	86.6	10,407	97.6	288,702	95.7	252	2.4	12,852	4.3	10,659	301,554
40–44	1,410	13.2	37,272	12.4	9,267	86.8	263,718	87.6	10,677	97.8	300,990	95.9	240	2.2	12,708	4.1	10,917	313,698
45–49	1,188	11.8	31,908	11.3	8,856	88.2	249,612	88.7	10,044	97.7	281,520	95.9	234	2.3	11,901	4.1	10,278	293,421
50–54	897	11.0	24,192	10.0	7,287	89.0	218,496	90.0	8,184	97.7	242,688	96.0	192	2.3	10,044	4.0	8,373	252,732
55–59	684	9.0	18,630	8.3	6,933	91.0	205,779	91.7	7,617	97.9	224,409	96.1	168	2.2	9,162	3.9	7,782	233,574
60–64	393	6.9	12,816	7.4	5,292	93.1	159,975	92.6	5,685	97.9	172,791	96.2	123	2.1	6,825	3.8	5,808	179,616
65–69	273	6.1	10,158	7.1	4,215	93.9	132,741	92.9	4,488	97.5	142,899	96.2	120	2.6	5,646	3.8	4,605	148,548
70–74	168	4.7	6,510	5.8	3,435	95.3	106,086	94.2	3,603	97.6	112,596	96.3	90	2.4	4,338	3.7	3,693	116,934
75–79	90	2.9	3,807	3.9	2,970	97.1	93,567	96.1	3,060	97.3	97,374	96.2	81	2.6	3,840	3.8	3,144	101,214
80–84	48	2.2	1,764	2.5	2,145	97.8	67,659	97.5	2,193	96.6	69,423	96.1	78	3.4	2,814	3.9	2,271	72,240
85 and over	18	1.1	888	1.6	1,641	98.9	53,604	98.4	1,659	95.5	54,492	96.2	75	4.3	2,178	3.8	1,737	56,670
Total	21,480	16.2	565,326	14.6	111,354	83.8	3,294,837	85.4	132,834	97.6	3,860,163	95.8	3,270	2.4	167,784	4.2	136,101	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
Hutt Valley	Number	104,457	1,758	5,268	9,378	2,424	660	5,928	2,247	27,663	3,984	136,101
	Percentage	77.0	1.0	4.0	7.0	2.0	-	4.0	2.0	20.0	3.0	
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	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
Hutt Valley	Number	34,227	47,082	3,945	7,635	5,931	6,438	105,258
	Percentage	32.5	44.7	3.8	7.3	5.6	6.1	
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
Hutt Valley	Number	1,728	54,072	14,988	70,788	3,102	28,437	3,369	5,739	6,792	47,439	6,690	124,917
	Percentage	2.4	76.4	21.2	59.9	6.5	59.9	7.1	12.1	14.3	40.1		
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
Hutt Valley	Number	13,035	16,302	7,353	36,690
	Percentage	35.5	44.4	20.0	
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
Hutt Valley	Number	34,011	1,236	69	1,884	11,856	420	49,476
	Percentage	68.7	2.5	0.1	3.8	24.0	0.9	
New Zealand	Number	985,542	37,083	2,526	72,657	328,299	28,065	1,454,175
	Percentage	68	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
Hutt Valley	Number	2,697	105,447	20,205	2,736	597	159	48	4,212	136,101
	Percentage	2.0	77.5	14.9	2.0	0.4	0.1	0.0	3.1	
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
Hutt Valley	No children	4,362	29.4	2,802	18.9	1,911	12.9	1,494	10.1	963	6.5
	One child	153	2.4	645	10.1	837	13.2	1,047	16.5	933	14.7
	Two children	18	0.1	252	2.0	675	5.3	1,266	9.9	1,728	13.5
	Three children	3	0.0	51	0.6	246	2.8	561	6.4	906	10.4
	Four children	-	-	15	0.4	81	2.0	198	4.8	363	8.7
	Five children	-	-	-	-	21	1.3	63	4.0	129	8.1
	Six or more children	-	-	6	0.4	12	0.8	33	2.3	105	7.3
	Object to answering	96	6.1	84	5.3	99	6.3	138	8.7	165	10.4
	Not elsewhere included(2)	390	14.1	252	9.1	210	7.6	225	8.1	219	7.9
	Total	5,028	9.3	4,104	7.6	4,089	7.5	5,034	9.3	5,508	10.1
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
Hutt Valley	No children	810	5.5	672	4.5	405	2.7	363	2.4	243	1.6
	One child	717	11.3	561	8.8	384	6.0	279	4.4	180	2.8
	Two children	1,878	14.6	1,662	12.9	1,341	10.4	1,254	9.8	879	6.8
	Three children	1,059	12.1	1,170	13.4	1,020	11.7	993	11.4	789	9.0
	Four children	492	11.8	519	12.5	447	10.8	402	9.7	333	8.0
	Five children	150	9.4	183	11.5	144	9.1	138	8.7	147	9.2
	Six or more children	105	7.3	120	8.4	117	8.1	120	8.4	129	9.0
	Object to answering	192	12.1	162	10.2	165	10.4	156	9.9	102	6.5
	Not elsewhere included(2)	219	7.9	192	6.9	186	6.7	165	6.0	129	4.7
	Total	5,622	10.4	5,238	9.6	4,209	7.7	3,870	7.1	2,931	5.4
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
Hutt Valley	No children	195	1.3	186	1.3	171	1.2	126	0.8	147	1.0	14,847
	One child	138	2.2	117	1.8	126	2.0	105	1.7	144	2.3	6,363
	Two children	564	4.4	426	3.3	357	2.8	309	2.4	231	1.8	12,846
	Three children	606	6.9	453	5.2	366	4.2	279	3.2	231	2.6	8,730
	Four children	369	8.9	315	7.6	273	6.6	222	5.3	129	3.1	4,152
	Five children	165	10.4	138	8.7	138	8.7	93	5.8	78	4.9	1,590
	Six or more children	144	10.0	192	13.4	162	11.3	105	7.3	90	6.3	1,437
	Object to answering	75	4.7	51	3.2	33	2.1	33	2.1	30	1.9	1,581
	Not elsewhere included(2)	111	4.0	102	3.7	93	3.4	117	4.2	153	5.5	2,769
	Total	2,367	4.4	1,974	3.6	1,716	3.2	1,392	2.6	1,227	2.3	54,318
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
Hutt Valley	Number	6,114	39,225	13,875	3,198	6,090	3,183	6,477	46,650	4,293	50,943
	Percentage	12.0	77.0	27.2	6.3	12.0	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
Hutt Valley	Number	3,981	45,111	19,134	4,740	11,274	5,883	8,049	50,142	4,176	54,315
	Percentage	7.3	83.1	35.2	8.7	20.8	10.8	14.8			
New Zealand	Number	124,485	1,324,236	525,054	134,799	305,037	170,472	248,406	1,480,929	157,854	1,638,783
	Percentage	7.6	80.8	32.0	8.2	18.6	10.4	15.2			

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

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

(3) Includes Response Unidentifiable and Not Stated.

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

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

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

		Unpaid Activity: Total									
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking after a child who is a member of own household	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people stated	Total people, not elsewhere included(3)	Total people
Hutt Valley	Number	10,095	84,336	33,009	7,935	17,364	9,063	14,526	96,792	8,469	105,261
	Percentage	9.6	80.1	31.4	7.5	16.5	8.6	13.8			
New Zealand	Number	321,252	2,446,833	897,915	221,226	460,143	258,705	437,241	2,843,052	317,319	3,160,374
	Percentage	10.2	77.4	28.4	7.0	14.6	8.2	13.8			

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

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

(3) Includes Response Unidentifiable and Not Stated.

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

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

Table 1.6.1: Highest Qualification Gained (2006 Census)

Location	Unit	Highest qualification						
		No qualification	Level 1 certificate gained at school	Level 2 certificate gained at school	Level 3 or 4 certificate gained at school	Overseas secondary school qualification	Level 1, 2 or 3 certificate gained post- school	Level 4 certificate gained post-school
Hutt Valley	Number	23,970	13,575	9,855	5,235	5,118	5,001	10,215
	Percentage	22.8	12.9	9.4	5.0	4.9	4.8	9.7
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
Hutt Valley	Number	3,849	4,932	9,996	1,791	1,977	690	9,057	105,261
	Percentage	3.7	4.7	9.5	1.7	1.9	0.7	8.6	
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
Hutt Valley	Number	369	4,710	6,903	6,891	10,842	8,085	7,224	7,359
	Percentage	0.4	4.5	6.6	6.6	10.3	7.7	6.9	7.0
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
Hutt Valley	Number	7,173	7,515	9,858	10,812	5,088	3,648	8,781	105,261
	Percentage	6.8	7.1	9.4	10.3	4.8	3.5	8.3	
New Zealand	Number	201,300	202,770	262,299	281,157	125,118	105,525	320,892	3,160,371
	Percentage	6.4	6.4	8.3	8.9	4.0	3.3	10.2	

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

(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
Hutt Valley	Number	5,673	64,284	12,411	23,268	1,689	13,962	3,714
	Percentage	5.4	61.1	11.8	22.1	1.6	13.3	3.5
New Zealand	Number	175,680	1,775,343	492,024	714,732	45,114	439,686	83,265
	Percentage	5.6	56.2	15.6	22.6	1.4	13.9	2.6

Sources of Personal Income										
Location	Unit	Unemployment benefit	Sickness benefit	Domestic purposes benefit	Invalids benefit	Student allowance	Other government benefits, payments or pension	Other sources of income	Not stated	Total
Hutt Valley	Number	3,669	2,133	3,498	2,457	1,533	3,294	1,932	4,758	105,261
	Percentage	3.5	2.0	3.3	2.3	1.5	3.1	1.8	4.5	
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
Hutt Valley	Number	54,447	14,418	68,868	4,008	72,876	30,762	1,623	105,261
	Percentage	79.1	20.9	94.5	5.5	69.2	29.2	1.5	
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)

Location	Unit	Occupation (ANZSCO)								
		Managers	Professionals	Technicians and trades workers	Community and personal service workers	Clerical and administrative workers	Sales workers	Machinery operators and drivers	Labourers	Not elsewhere included(3)
Hutt Valley	Number	9,993	13,641	8,718	5,580	11,076	6,795	4,086	5,307	3,669
	Percentage	14.5	19.8	12.7	8.1	16.1	9.9	5.9	7.7	5.3
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7

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

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

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

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

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

Table 1.6.6: Access to Telecommunications (2006 Census)

Location	Unit	Type of Telecommunication							
		Access to a cellphone / mobile phone	Access to a telephone	Access to a fax machine	Access to the Internet	No access to telecommunication systems	Total households stated	Total households, not elsewhere included(3)	Total households
Hutt Valley	Number	36,312	44,769	9,183	29,892	918	48,222	1,251	49,473
	Percentage	73.4	90.5	18.6	60.4	1.9	97.5	2.5	
New Zealand	Number	1,034,529	1,277,325	362,040	843,738	28,407	1,393,707	60,468	1,454,175
	Percentage	71.1	87.8	24.9	58.0	2.0	95.8	4.2	

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

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

(3) Includes Response Unidentifiable and Not Stated.

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

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

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

Location	Unit	Number of Motor Vehicles					Total
		No motor vehicle	One motor vehicle	Two motor vehicles	Three or more motor vehicles	Not elsewhere included(2)	
Hutt Valley	Number	5,289	20,058	16,851	6,036	1,242	49,476
	Percentage	10.7	40.5	34.1	12.2	2.5	
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)
Hutt Valley	Number	849	15,912	10,656	27,417
	Percentage	3.1	58.0	38.9	
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)
Hutt Valley	Number	198	13,065	1,299	14,562
	Percentage	1.4	89.7	8.9	
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)		
Hutt Valley	Number	402	2,202	2,646	5,247	2,250	49,476
	Percentage	7.7	42.0	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
Hutt Valley	Female	187.3	-55.0 - 429.5	77.2	18.8 - 135.6	87.5	30.9 - 144.1
	Male	256.6	-26.8 - 540.1	132.3	52.6 - 211.9	142.1	68.7 - 215.5
	Total	223.0	35.7 - 410.4	104.3	54.9 - 153.7	114.3	68.1 - 160.6
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
Hutt Valley	Female	88.7	-82.6 - 259.9	33.8	8.6 - 59.1	37.9	11.6 - 64.1
	Male	153.3	-73.6 - 380.3	68.9	26.7 - 111.0	75.0	33.7 - 116.3
	Total	124.0	-26.6 - 274.6	50.1	26.1 - 74.0	55.1	31.2 - 79.1
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
Hutt Valley	Female	80.4	-30.9 - 191.7	34.9	18.9 - 51.0	37.8	21.4 - 54.2
	Male	217.9	38.2 - 397.6	90.1	59.0 - 121.1	100.2	68.9 - 131.5
	Total	151.5	40.8 - 262.3	60.2	43.2 - 77.1	66.7	49.5 - 83.9
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
Hutt Valley	Female	39.2	-38.4 - 116.7	22.9	7.8 - 38.0	23.4	9.4 - 37.5
	Male	37.3	-41.5 - 116.1	28.5	11.4 - 45.6	29.4	12.8 - 46.0
	Total	40.8	-24.1 - 105.6	25.6	14.3 - 36.9	26.3	15.5 - 37.0
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
Hutt Valley	Female	115.8	-77.6 - 309.1	55.6	14.7 - 96.4	59.2	20.1 - 98.4
	Male	87.3	-81.3 - 255.9	70.4	26.4 - 114.3	72.9	30.3 - 115.4
	Total	107.8	-33.7 - 249.2	61.8	32.1 - 91.6	65.0	36.3 - 93.8
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
Hutt Valley	Female	69.5	-26.3 - 165.2	17.7	4.4 - 30.9	21.4	7.2 - 35.7
	Male	36.9	-34.1 - 108.0	28.4	11.1 - 45.7	29.7	12.6 - 46.8
	Total	56.0	-6.3 - 118.2	22.6	11.8 - 33.4	25.2	14.2 - 36.2
New Zealand	Female	83.7	65.1 - 102.4	18.9	16.3 - 21.4	24.0	21.2 - 26.8
	Male	75.5	56.6 - 94.4	27.0	24.0 - 30.0	30.6	27.5 - 33.7
	Total	79.7	66.5 - 93.0	22.6	20.6 - 24.5	26.9	24.9 - 29.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	58.2	-39.5 - 155.9	27.7	7.9 - 47.4	29.2	9.8 - 48.6
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
Hutt Valley	Male	0.0	0.0 - 0.0	16.5	5.1 - 27.8	17.4	5.8 - 29.1
New Zealand	Male	24.6	13.5 - 35.8	15.5	13.6 - 17.5	16.0	14.1 - 18.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	0.0	0.0 - 0.0	1.6	-2.3 - 5.6	2.5	-3.3 - 8.2
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
Hutt Valley	Female	0.0	0.0 - 0.0	15.3	1.8 - 28.9	15.1	2.5 - 27.7
	Male	0.0	0.0 - 0.0	22.3	7.1 - 37.5	21.4	7.1 - 35.6
	Total	0.0	0.0 - 0.0	18.5	8.4 - 28.6	17.9	8.5 - 27.4
New Zealand	Female	14.6	6.9 - 22.3	17.2	14.7 - 19.6	17.0	14.7 - 19.3
	Male	21.9	11.7 - 32.2	22.3	19.5 - 25.1	22.3	19.6 - 25.0
	Total	18.1	11.8 - 24.4	19.6	17.7 - 21.4	19.5	17.7 - 21.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	0.0	0.0 - 0.0	3.4	-3.7 - 10.4	3.5	-2.9 - 9.9
	Male	0.0	0.0 - 0.0	8.4	-1.9 - 18.6	7.7	-1.6 - 17.0
	Total	0.0	0.0 - 0.0	5.8	-0.4 - 12.0	5.6	0.0 - 11.2
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
Hutt Valley	Female	18.0	-58.1 - 94.1	6.3	-13.4 - 26.0	9.2	-14.5 - 32.9
	Male	46.8	-74.1 - 167.6	15.3	-17.4 - 47.9	22.2	-14.6 - 59.0
	Total	31.9	-38.4 - 102.1	10.8	-8.4 - 29.9	15.6	-6.2 - 37.5
New Zealand	Female	21.2	6.0 - 36.3	7.8	3.8 - 11.8	10.4	6.0 - 14.7
	Male	49.1	25.2 - 73.0	21.6	14.8 - 28.5	26.1	19.1 - 33.0
	Total	34.5	20.7 - 48.4	14.6	10.7 - 18.6	18.1	14.0 - 22.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	0.0	0.0 - 0.0	4.7	-9.8 - 19.2	5.6	-10.1 - 21.3
	Male	0.0	0.0 - 0.0	14.2	-14.0 - 42.3	12.9	-11.2 - 37.1
	Total	0.0	0.0 - 0.0	9.4	-6.3 - 25.1	9.2	-5.1 - 23.4
New Zealand	Female	10.0	0.2 - 19.8	5.0	2.1 - 7.9	6.0	3.0 - 9.0
	Male	25.9	9.5 - 42.3	16.5	11.2 - 21.8	18.0	12.9 - 23.2
	Total	17.5	8.2 - 26.8	10.7	7.7 - 13.7	11.9	8.9 - 14.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	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
Hutt Valley	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	39.0	15.6 - 62.4	37.4	17.1 - 57.7
	Total	0.0	0.0 - 0.0	24.2	11.1 - 37.3	22.2	11.1 - 33.3
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
Hutt Valley	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	22.0	4.3 - 39.7	20.9	5.6 - 36.3
	Total	0.0	0.0 - 0.0	13.3	3.5 - 23.1	13.9	5.1 - 22.8
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
Hutt Valley	Female	855.0	753.1 - 956.8	338.5	327.9 - 349.2	362.9	351.7 - 374.0
	Male	1349.7	1218.9 - 1480.6	785.4	764.9 - 805.9	815.6	795.1 - 836.1
	Total	1128.8	1039.9 - 1217.7	533.1	522.2 - 544.1	560.3	549.2 - 571.4
New Zealand	Female	893.9	878.3 - 909.5	394.7	392.6 - 396.7	422.3	420.2 - 424.4
	Male	1416.1	1393.1 - 1439.1	728.8	725.4 - 732.2	765.7	762.3 - 769.1
	Total	1123.8	1110.5 - 1137.0	545.4	543.5 - 547.3	577.2	575.2 - 579.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	0.0	0.0 - 0.0	212.4	203.8 - 221.0	217.9	209.3 - 226.5
	Male	0.0	0.0 - 0.0	263.6	252.5 - 274.7	267.2	256.2 - 278.2
	Total	394.0	334.8 - 453.1	236.3	229.5 - 243.2	240.9	234.1 - 247.7
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
Hutt Valley	Female	574.8	496.7 - 652.8	123.9	115.9 - 131.8	145.3	136.8 - 153.8
	Male	0.0	0.0 - 0.0	213.3	202.1 - 224.5	210.3	199.4 - 221.2
	Total	363.8	318.7 - 409.0	163.4	156.7 - 170.1	173.8	167.0 - 180.5
New Zealand	Female	494.7	482.8 - 506.7	131.6	130.0 - 133.1	153.4	151.8 - 155.0
	Male	501.9	488.6 - 515.1	228.8	226.8 - 230.9	245.3	243.2 - 247.4
	Total	497.3	488.5 - 506.2	175.1	173.8 - 176.4	194.3	193.0 - 195.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	549.1	463.2 - 635.1	105.3	97.7 - 113.0	118.6	110.7 - 126.5
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
Hutt Valley	Male	0.0	0.0 - 0.0	7.5	-3.9 - 18.8	7.9	-3.8 - 19.5
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
Hutt Valley	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
Hutt Valley	Female	0.0	0.0 - 0.0	94.4	87.5 - 101.3	96.6	89.7 - 103.5
	Male	0.0	0.0 - 0.0	167.5	157.6 - 177.4	160.4	151.0 - 169.8
	Total	0.0	0.0 - 0.0	126.2	120.3 - 132.0	124.0	118.3 - 129.6
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
Hutt Valley	Female	0.0	0.0 - 0.0	27.6	24.0 - 31.1	32.6	28.6 - 36.6
	Male	0.0	0.0 - 0.0	41.0	36.3 - 45.7	39.5	35.1 - 44.0
	Total	0.0	0.0 - 0.0	33.7	30.9 - 36.5	35.6	32.7 - 38.5
New Zealand	Female	15.5	13.4 - 17.6	25.8	25.1 - 26.4	25.3	24.7 - 25.9
	Male	14.0	11.8 - 16.2	66.3	65.2 - 67.4	64.1	63.0 - 65.1
	Total	15.4	13.9 - 17.0	43.8	43.2 - 44.4	42.4	41.9 - 43.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	463.3	389.8 - 536.7	219.3	209.2 - 229.4	229.2	219.1 - 239.3
	Male	599.5	513.9 - 685.1	292.2	279.8 - 304.6	317.8	304.9 - 330.6
	Total	652.7	581.2 - 724.2	246.7	238.9 - 254.5	263.8	255.8 - 271.7
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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Breast cancer (female only)	12.0	Breast cancer (female only)	10.7
	Ischaemic heart disease	8.9	Lung cancer	9.3
	Lung cancer	7.7	Ischaemic heart disease	8.1
	Diabetes	6.6	Colorectal cancer	5.9
	Cerebrovascular diseases	5.5	Diabetes	5.8
Male	Ischaemic heart disease	30.7	Ischaemic heart disease	27.3
	Suicide and self-inflicted injuries	11.3	Suicide and self-inflicted injuries	15.7
	Lung cancer	10.5	Motor vehicle accidents	12.3
	Diabetes	10.3	Lung cancer	10.8
	Motor vehicle accidents	9.0	Diabetes	8.3
Total	Ischaemic heart disease	19.5	Ischaemic heart disease	17.4
	Lung cancer	9.1	Suicide and self-inflicted injuries	10.4
	Diabetes	8.5	Lung cancer	10.0
	Suicide and self-inflicted injuries	8.0	Motor vehicle accidents	8.6
	Cerebrovascular diseases	6.2	Diabetes	7.0

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	49.3	Ischaemic heart disease	51.4
	Diabetes	21.8	Lung cancer	31.6
	Lung cancer	21.5	Diabetes	26.8
	COPD	13.3	Motor vehicle accidents	17.8
	Breast cancer (female only)	9.5	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	16.8	Ischaemic heart disease	14.3
	Suicide and self-inflicted injuries	8.1	Suicide and self-inflicted injuries	9.3
	Lung cancer	7.9	Lung cancer	8.1
	Diabetes	7.2	Motor vehicle accidents	6.7
	Birth defects	6.7	Colorectal cancer	6.7

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	361.8	Ischaemic heart disease	418.5
	Stroke	181.5	Stroke	206.0
	Lung cancer	145.3	CORD	172.8
	Breast cancer (female only)	118.6	Lung cancer	153.4
	Diabetes	98.5	Colorectal cancer	131.3
Male	Ischaemic heart disease	803.1	Ischaemic heart disease	757.4
	CORD	317.8	Lung cancer	245.3
	Lung cancer	210.3	CORD	238.4
	Stroke	200.3	Stroke	207.5
	Colorectal cancer	160.4	Colorectal cancer	178.9
Total	Ischaemic heart disease	554.1	Ischaemic heart disease	571.4
	CORD	273.4	Stroke	210.0
	Stroke	191.1	CORD	197.9
	Lung cancer	173.8	Lung cancer	194.3
	Colorectal cancer	124.0	Colorectal cancer	152.9

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	1128.8	Ischaemic heart disease	1109.6
	CORD	652.7	Lung cancer	497.3
	Respiratory infections	444.2	CORD	465.0
	Lung cancer	363.8	Diabetes	389.4
	Stroke	346.8	Stroke	247.1
non-Māori	Ischaemic heart disease	526.7	Ischaemic heart disease	540.1
	CORD	256.8	Stroke	207.2
	Stroke	188.4	CORD	182.8
	Lung cancer	163.4	Lung cancer	175.1
	Colorectal cancer	126.2	Colorectal cancer	154.4

Appendix 3

Hospitalisation Tables (2007-2009)

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

NOTE B: There are two comparisons being made in the following tables

1. Māori Age-Standardised Rate against non-Māori Age-Standardised Rate
within the District Health Board:

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

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

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

DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

Key:

DHB = District Health Board

ASR = Age-Standardised Rate

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	4690.3	3485.5 - 5895.1	3295.6	2756.5 - 3834.8	3506.7	3025.3 - 3988.1
	Male	4917.6	3681.0 - 6154.3	3959.1	3382.8 - 4535.5	4099.2	3588.3 - 4610.0
	Total	4814.0	3949.4 - 5678.6	3629.3	3234.2 - 4024.4	3805.4	3454.0 - 4156.7
New Zealand	Female	4904.4	4671.6 - 5137.1	3156.7	3061.1 - 3252.3	3408.8	3321.6 - 3496.1
	Male	4974.2	4736.0 - 5212.5	3535.8	3435.8 - 3635.9	3746.4	3655.7 - 3837.2
	Total	4946.3	4779.6 - 5112.9	3347.1	3277.8 - 3416.3	3578.9	3516.0 - 3641.9

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	805.5	300.1 - 1310.9	465.3	333.4 - 597.2	486.4	363.7 - 609.2
	Male	1119.1	522.5 - 1715.7	802.6	635.3 - 969.9	840.0	678.6 - 1001.4
	Total	976.1	575.4 - 1376.9	627.7	521.9 - 733.6	657.2	556.4 - 757.9
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
Hutt Valley	Female	480.5	221.5 - 739.5	315.5	253.4 - 377.7	331.7	270.9 - 392.4
	Male	676.3	372.4 - 980.3	759.2	658.7 - 859.7	753.4	658.5 - 848.3
	Total	585.9	381.8 - 789.9	531.5	472.9 - 590.0	536.8	481.0 - 592.6
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
Hutt Valley	Female	207.6	36.4 - 378.8	100.7	65.8 - 135.6	109.8	75.3 - 144.2
	Male	222.1	37.4 - 406.7	144.3	102.3 - 186.2	150.1	109.8 - 190.4
	Total	213.8	88.7 - 338.9	120.4	93.4 - 147.4	127.8	101.6 - 154.1
New Zealand	Female	215.4	185.6 - 245.2	92.6	86.7 - 98.4	103.2	97.3 - 109.2
	Male	171.3	142.5 - 200.0	128.3	121.3 - 135.4	132.8	125.9 - 139.7
	Total	196.1	175.2 - 217.0	109.7	105.1 - 114.2	117.3	112.8 - 121.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	349.9	23.7 - 676.0	331.1	220.2 - 441.9	330.3	229.8 - 430.8
	Male	396.2	47.2 - 745.2	444.0	307.4 - 580.7	452.3	325.1 - 579.4
	Total	385.3	132.0 - 638.6	383.1	295.3 - 471.0	387.4	306.4 - 468.5
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
Hutt Valley	Female	126.0	-4.9 - 256.8	44.6	21.8 - 67.4	50.9	27.7 - 74.0
	Male	96.8	-20.7 - 214.3	53.9	29.6 - 78.1	59.7	34.3 - 85.1
	Total	112.6	24.0 - 201.2	48.6	32.1 - 65.1	54.7	37.6 - 71.7
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
Hutt Valley	Female	211.7	42.5 - 380.9	123.8	81.4 - 166.2	134.1	92.0 - 176.1
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
Hutt Valley	Male	65.4	-36.5 - 167.2	67.1	41.4 - 92.8	67.5	42.6 - 92.3
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
Hutt Valley	Female	0.0	0.0 - 0.0	20.4	-2.5 - 43.4	18.7	-0.8 - 38.1
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
Hutt Valley	Female	0.0	0.0 - 0.0	60.5	34.4 - 86.5	57.7	33.6 - 81.8
	Male	0.0	0.0 - 0.0	64.3	36.6 - 91.9	61.3	36.0 - 86.6
	Total	23.8	-16.1 - 63.7	61.9	43.0 - 80.7	59.0	41.7 - 76.4
New Zealand	Female	40.1	27.1 - 53.0	52.5	48.0 - 56.9	51.8	47.6 - 56.0
	Male	50.7	35.2 - 66.2	63.3	58.4 - 68.2	62.7	58.0 - 67.3
	Total	45.3	35.2 - 55.3	57.5	54.2 - 60.8	56.9	53.8 - 60.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	0.0	0.0 - 0.0	122.9	82.6 - 163.3	112.9	77.1 - 148.6
	Male	0.0	0.0 - 0.0	216.7	166.1 - 267.3	204.0	157.5 - 250.4
	Total	19.4	-18.0 - 56.8	165.3	133.3 - 197.2	154.0	125.1 - 182.9
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
Hutt Valley	Female	950.6	402.7 - 1498.5	729.2	481.8 - 976.6	787.0	560.4 - 1013.7
	Male	1837.1	1079.0 - 2595.3	1464.1	1118.7 - 1809.5	1532.2	1221.3 - 1843.1
	Total	1394.2	923.3 - 1865.2	1098.9	886.0 - 1311.7	1159.7	967.4 - 1352.1
New Zealand	Female	1344.0	1220.6 - 1467.5	1133.4	1077.2 - 1189.6	1174.8	1124.1 - 1225.5
	Male	2485.9	2315.3 - 2656.6	2015.8	1942.3 - 2089.3	2095.7	2028.9 - 2162.6
	Total	1900.9	1796.5 - 2005.3	1575.3	1529.0 - 1621.6	1634.3	1592.4 - 1676.3

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	74.3	-62.5 - 211.1	102.2	26.3 - 178.2	97.2	31.0 - 163.4
	Male	75.4	-69.5 - 220.4	39.5	-9.6 - 88.5	45.6	-1.7 - 92.9
	Total	74.4	-24.4 - 173.2	71.0	25.8 - 116.2	71.5	30.8 - 112.2
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
Hutt Valley	Female	614.3	441.7 - 786.8	568.0	477.0 - 659.0	578.8	498.2 - 659.3
	Male	2545.1	2185.3 - 2905.0	1842.7	1682.2 - 2003.1	1995.6	1847.7 - 2143.4
	Total	1557.7	1361.3 - 1754.0	1219.0	1125.8 - 1312.3	1295.5	1210.8 - 1380.2
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
Hutt Valley	Female	1959.0	1806.1 - 2111.8	1520.9	1491.6 - 1550.2	1562.0	1532.9 - 1591.2
	Male	2254.2	2090.3 - 2418.1	3343.0	3295.3 - 3390.7	3290.0	3244.1 - 3335.9
	Total	2237.7	2116.7 - 2358.6	2371.6	2344.2 - 2399.0	2368.5	2341.9 - 2395.0
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
Hutt Valley	Female	1255.9	1133.6 - 1378.1	638.1	621.4 - 654.7	672.8	655.8 - 689.8
	Male	1824.3	1674.3 - 1974.4	1078.2	1053.7 - 1102.6	1124.8	1100.3 - 1149.3
	Total	1530.3	1434.3 - 1626.3	830.4	816.1 - 844.7	870.7	856.2 - 885.1
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
Hutt Valley	Female	715.5	625.6 - 805.5	280.4	267.5 - 293.2	302.9	289.8 - 316.0
	Male	0.0	0.0 - 0.0	420.8	404.3 - 437.2	416.5	400.6 - 432.5
	Total	522.9	467.7 - 578.1	342.7	332.4 - 352.9	353.0	342.8 - 363.1
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
Hutt Valley	Female	0.0	0.0 - 0.0	352.8	337.9 - 367.7	342.4	328.3 - 356.6
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
Hutt Valley	Male	0.0	0.0 - 0.0	17.4	0.3 - 34.5	17.5	0.7 - 34.2
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
Hutt Valley	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
Hutt Valley	Female	0.0	0.0 - 0.0	362.2	348.3 - 376.0	352.6	339.2 - 365.9
	Male	0.0	0.0 - 0.0	489.1	472.0 - 506.2	470.9	454.6 - 487.2
	Total	0.0	0.0 - 0.0	418.8	407.9 - 429.6	405.2	394.9 - 415.5
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
Hutt Valley	Female	0.0	0.0 - 0.0	728.0	708.6 - 747.4	706.3	687.7 - 724.8
	Male	0.0	0.0 - 0.0	1592.6	1562.4 - 1622.9	1526.8	1498.0 - 1555.5
	Total	0.0	0.0 - 0.0	1100.5	1083.2 - 1117.7	1058.5	1042.1 - 1075.0
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
Hutt Valley	Female	1635.2	1496.9 - 1773.5	902.6	880.9 - 924.3	964.1	941.7 - 986.4
	Male	2566.1	2387.1 - 2745.1	920.8	898.1 - 943.5	1005.6	982.2 - 1028.9
	Total	2081.1	1969.0 - 2193.2	897.8	882.2 - 913.4	968.0	952.0 - 984.0
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
Hutt Valley	Female	252.2	31.0 - 473.5	103.3	45.9 - 160.6	111.4	59.5 - 163.2
	Male	332.9	70.6 - 595.1	110.0	57.9 - 162.0	124.8	74.5 - 175.2
	Total	292.8	121.4 - 464.2	106.1	67.7 - 144.6	117.6	81.7 - 153.5
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
Hutt Valley	Female	28.2	-47.7 - 104.1	6.0	-3.9 - 15.9	7.2	-3.0 - 17.3
	Male	74.2	-47.3 - 195.7	10.1	-2.4 - 22.7	15.2	-0.1 - 30.6
	Total	52.1	-20.6 - 124.8	7.9	0.0 - 15.9	11.0	1.9 - 20.1
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
Hutt Valley	Female	224.6	24.5 - 424.7	86.4	27.9 - 145.0	110.5	51.1 - 169.8
	Male	88.3	-43.2 - 219.9	68.1	15.7 - 120.4	69.7	22.3 - 117.1
	Total	158.7	37.4 - 280.0	77.2	38.0 - 116.4	90.3	52.3 - 128.4
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
Hutt Valley	Female	924.8	706.1 - 1143.5	326.6	292.6 - 360.6	379.9	343.9 - 415.9
	Male	836.4	620.2 - 1052.6	291.6	259.6 - 323.6	330.1	296.9 - 363.3
	Total	873.4	721.1 - 1025.8	306.1	282.9 - 329.3	351.5	327.2 - 375.9
New Zealand	Female	1174.3	1132.4 - 1216.2	271.9	266.3 - 277.5	340.6	334.4 - 346.7
	Male	934.7	894.6 - 974.8	314.2	308.3 - 320.1	356.1	350.0 - 362.3
	Total	1057.1	1028.2 - 1086.0	288.8	284.7 - 292.8	344.4	340.0 - 348.7

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	552.4	290.6 - 814.2	285.9	172.2 - 399.6	357.5	248.6 - 466.4
	Male	669.5	388.2 - 950.7	637.4	471.4 - 803.4	645.8	502.9 - 788.7
	Total	612.2	419.7 - 804.7	466.9	365.2 - 568.6	505.7	415.2 - 596.3
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
Hutt Valley	Female	99.5	-11.1 - 210.0	65.0	10.3 - 119.7	74.8	24.7 - 125.0
	Male	87.3	-14.0 - 188.6	105.4	37.7 - 173.0	100.4	44.0 - 156.8
	Total	93.2	18.4 - 168.1	85.8	42.0 - 129.6	88.0	50.1 - 125.8
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
Hutt Valley	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	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
Hutt Valley	Female	455.4	216.8 - 694.0	414.7	279.0 - 550.3	425.1	307.2 - 543.0
	Male	662.8	381.0 - 944.6	579.2	425.3 - 733.0	599.8	464.7 - 734.9
	Total	562.3	376.7 - 748.0	499.0	396.1 - 601.9	514.8	424.8 - 604.8
New Zealand	Female	662.4	606.4 - 718.4	619.9	589.1 - 650.8	630.7	603.6 - 657.7
	Male	882.6	819.7 - 945.5	869.6	834.2 - 905.0	872.9	842.0 - 903.8
	Total	775.6	733.3 - 817.8	747.8	724.3 - 771.4	754.9	734.3 - 775.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	1469.0	1338.4 - 1599.6	1781.5	1754.4 - 1808.6	1766.7	1740.5 - 1793.0
	Male	1542.8	1403.7 - 1681.9	1224.6	1199.8 - 1249.4	1252.5	1227.9 - 1277.1
	Total	1741.6	1623.4 - 1859.9	1544.3	1525.8 - 1562.8	1549.5	1531.4 - 1567.6
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
Hutt Valley	Female	3051.8	2863.5 - 3240.2	2774.6	2733.9 - 2815.2	2785.4	2745.8 - 2825.1
	Male	2325.0	2155.8 - 2494.2	2217.4	2178.5 - 2256.2	2225.5	2187.8 - 2263.3
	Total	2793.0	2659.5 - 2926.6	2517.0	2488.8 - 2545.2	2525.6	2498.1 - 2553.1
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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	576.5	Respiratory infections	510.3
	Gastroenteritis	391.1	Gastroenteritis	371.2
	Dental conditions	329.2	Dental conditions	301.5
	Cellulitis	305.4	ENT infections	265.7
	ENT infections	249.9	Cellulitis	243.5
Male	Respiratory infections	682.6	Respiratory infections	570.2
	Gastroenteritis	400.7	Gastroenteritis	355.3
	Dental conditions	349.1	ENT infections	331.7
	ENT infections	296.4	Dental conditions	319.0
	Asthma	287.0	Angina	300.1
Total	Respiratory infections	630.9	Respiratory infections	541.0
	Gastroenteritis	396.6	Gastroenteritis	363.7
	Dental conditions	339.2	Dental conditions	310.3
	ENT infections	273.8	ENT infections	299.6
	Asthma	247.0	Angina	258.9

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	789.6	Respiratory infections	742.2
	Dental conditions	393.1	Dental conditions	441.6
	ENT infections	356.6	Asthma	356.4
	Asthma	330.9	ENT infections	355.9
	Gastroenteritis	324.6	Angina	329.4
non-Māori	Respiratory infections	596.7	Respiratory infections	500.0
	Gastroenteritis	424.1	Gastroenteritis	379.7
	Dental conditions	323.0	ENT infections	283.8
	ENT infections	246.1	Dental conditions	271.8
	Asthma	224.1	Angina	250.3

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	1275.7	Persons encountering health services for specific procedures and health care	1802.8
	Angina	1260.2	Angina	1499.8
	Other forms of heart disease	1049.1	Respiratory infections	1132.4
	CORD	1034.6	CORD	968.0
	Ischaemic heart disease	855.5	Other forms of heart disease	955.6
Male	Ischaemic heart disease	2246.8	Persons encountering health services for specific procedures and health care	2367.0
	Respiratory infections	1814.5	Angina	1956.7
	Angina	1679.3	Respiratory infections	1721.7
	Skin cancers	1532.2	Ischaemic heart disease	1550.1
	Other forms of heart disease	1388.4	Other forms of heart disease	1232.4
Total	Ischaemic heart disease	1503.8	Persons encountering health services for specific procedures and health care	2059.9
	Respiratory infections	1501.7	Angina	1712.2
	Angina	1455.0	Respiratory infections	1388.0
	Other forms of heart disease	1198.4	Ischaemic heart disease	1148.7
	Skin cancers	1061.1	Other forms of heart disease	1084.0

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	3473.4	Persons encountering health services for specific procedures and health care	7454.5
	Congestive heart failure	3123.2	CORD	2912.0
	Diabetes	2386.3	Respiratory infections	2597.3
	CORD	2186.2	Diabetes	2074.3
	Angina	1848.6	Angina	1943.8
non-Māori	Ischaemic heart disease	1511.0	Persons encountering health services for specific procedures and health care	1705.0
	Angina	1444.5	Angina	1698.8
	Respiratory infections	1402.6	Respiratory infections	1319.4
	Other forms of heart disease	1187.0	Ischaemic heart disease	1133.2
	Skin cancers	1103.1	Other forms of heart disease	1069.6

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Dental conditions	786.3	Dental conditions	660.6
	Respiratory infections	629.6	Respiratory infections	622.0
	ENT infections	402.2	ENT infections	380.4
	Symptoms and signs involving the digestive system and abdomen	279.6	Injuries to the elbow and forearm	337.0
	Injuries to the elbow and forearm	246.8	Persons encountering health services for specific procedures and health care	311.2
Male	Dental conditions	808.2	Dental conditions	687.9
	Respiratory infections	793.4	Respiratory infections	671.2
	Injuries to the elbow and forearm	425.1	Injuries to the elbow and forearm	520.1
	ENT infections	380.2	ENT infections	457.9
	Persons encountering health services for specific procedures and health care	335.3	Injuries to the head	360.8
Total	Dental conditions	797.6	Dental conditions	674.6
	Respiratory infections	713.7	Respiratory infections	647.1
	ENT infections	390.9	Injuries to the elbow and forearm	430.9
	Injuries to the elbow and forearm	338.3	ENT infections	420.1
	Cellulitis	279.1	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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Dental conditions	912.3	Dental conditions	843.1
	Respiratory infections	716.9	Respiratory infections	644.5
	ENT infections	551.4	ENT infections	555.6
	Injuries to the elbow and forearm	406.1	Injuries to the elbow and forearm	425.4
	Cellulitis	393.4	Persons encountering health services for specific procedures and health care	399.2
non-Māori	Dental conditions	756.1	Respiratory infections	648.9
	Respiratory infections	712.6	Dental conditions	619.8
	ENT infections	335.6	Injuries to the elbow and forearm	432.1
	Injuries to the elbow and forearm	315.4	ENT infections	377.3
	Symptoms and signs involving the digestive system and abdomen	250.7	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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	4220.0	Persons encountering health services in other circumstances	4296.1
	Gastro-oesophageal reflux disease	1900.0	Respiratory infections	3688.1
	Disorders related to length of gestation and fetal growth	1746.7	Disorders related to length of gestation and fetal growth	1895.8
	Other viral diseases	1226.7	Gastro-oesophageal reflux disease	1561.8
	ENT infections	993.3	ENT infections	1005.2
Male	Respiratory infections	5337.1	Respiratory infections	4875.7
	Gastro-oesophageal reflux disease	2161.3	Persons encountering health services in other circumstances	4131.4
	Disorders related to length of gestation and fetal growth	1745.4	Disorders related to length of gestation and fetal growth	2016.8
	Other viral diseases	1405.2	Gastro-oesophageal reflux disease	1663.2
	ENT infections	1380.0	ENT infections	1415.5
Total	Respiratory infections	4794.3	Respiratory infections	4295.1
	Gastro-oesophageal reflux disease	2034.3	Persons encountering health services in other circumstances	4212.0
	Disorders related to length of gestation and fetal growth	1746.0	Disorders related to length of gestation and fetal growth	1957.6
	Other viral diseases	1318.4	Gastro-oesophageal reflux disease	1613.6
	ENT infections	1192.1	ENT infections	1214.9

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

	Hutt Valley DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	5736.2	Respiratory infections	5965.2
	Disorders related to length of gestation and fetal growth	1755.0	Persons encountering health services in other circumstances	2422.4
	Gastro-oesophageal reflux disease	1637.2	Disorders related to length of gestation and fetal growth	1684.5
	ENT infections	1425.2	Gastro-oesophageal reflux disease	1311.2
	Other viral diseases	1342.8	ENT infections	1270.5
non-Māori	Respiratory infections	4437.0	Persons encountering health services in other circumstances	4825.9
	Gastro-oesophageal reflux disease	2185.0	Respiratory infections	3722.1
	Disorders related to length of gestation and fetal growth	1742.6	Disorders related to length of gestation and fetal growth	2051.4
	Other viral diseases	1309.2	Gastro-oesophageal reflux disease	1717.4
	Respiratory and cardiovascular disorders specific to the perinatal period	1188.6	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
Hutt Valley	Female	71.3	-26.4 - 168.9	24.3	7.8 - 40.8	28.2	11.2 - 45.1
	Male	52.6	-30.2 - 135.5	31.7	13.6 - 49.8	34.4	16.0 - 52.8
	Total	63.5	-2.0 - 129.0	27.7	15.5 - 39.8	31.0	18.5 - 43.5
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
Hutt Valley	Female	208.9	42.2 - 375.6	122.5	79.5 - 165.6	130.9	89.1 - 172.7
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
Hutt Valley	Male	50.5	-38.6 - 139.5	90.1	59.0 - 121.1	87.1	57.8 - 116.4
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
Hutt Valley	Female	0.0	0.0 - 0.0	5.6	-5.9 - 17.1	6.0	-4.5 - 16.6
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
Hutt Valley	Female	56.0	-32.7 - 144.8	44.6	21.4 - 67.7	45.2	23.1 - 67.3
	Male	31.3	-34.7 - 97.3	46.3	23.4 - 69.2	45.6	23.9 - 67.2
	Total	44.0	-11.6 - 99.7	45.1	28.8 - 61.3	45.0	29.6 - 60.4
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
Hutt Valley	Female	0.0	0.0 - 0.0	35.6	12.1 - 59.1	33.1	12.1 - 54.2
	Male	0.0	0.0 - 0.0	39.6	15.2 - 64.1	36.9	14.7 - 59.1
	Total	0.0	0.0 - 0.0	37.4	20.5 - 54.3	34.8	19.6 - 50.1
New Zealand	Female	10.0	3.4 - 16.6	55.1	49.5 - 60.7	50.2	45.2 - 55.1
	Male	8.5	1.9 - 15.2	61.4	55.7 - 67.0	56.5	51.4 - 61.5
	Total	9.3	4.6 - 13.9	58.0	54.0 - 61.9	53.1	49.5 - 56.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	Female	540.9	462.9 - 618.8	159.5	150.2 - 168.8	183.3	173.4 - 193.3
	Male	0.0	0.0 - 0.0	256.4	243.7 - 269.2	250.7	238.5 - 263.0
	Total	327.3	284.1 - 370.6	203.2	195.5 - 210.9	213.0	205.3 - 220.8
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
Hutt Valley	Female	584.8	501.6 - 668.1	296.6	283.3 - 309.9	314.2	300.8 - 327.6
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
Hutt Valley	Male	0.0	0.0 - 0.0	662.9	641.9 - 683.8	650.9	630.8 - 671.0
New Zealand	Male	756.4	740.0 - 772.8	762.6	758.7 - 766.6	760.3	756.5 - 764.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Hutt Valley	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
Hutt Valley	Female	0.0	0.0 - 0.0	254.6	243.0 - 266.2	254.5	243.2 - 265.8
	Male	0.0	0.0 - 0.0	313.4	299.9 - 327.0	303.3	290.4 - 316.3
	Total	0.0	0.0 - 0.0	278.5	269.7 - 287.3	273.5	265.1 - 282.0
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
Hutt Valley	Female	0.0	0.0 - 0.0	133.6	124.9 - 142.4	133.5	125.0 - 142.1
	Male	0.0	0.0 - 0.0	177.3	166.6 - 187.9	168.8	158.7 - 178.9
	Total	0.0	0.0 - 0.0	153.1	146.3 - 159.9	149.0	142.5 - 155.5
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