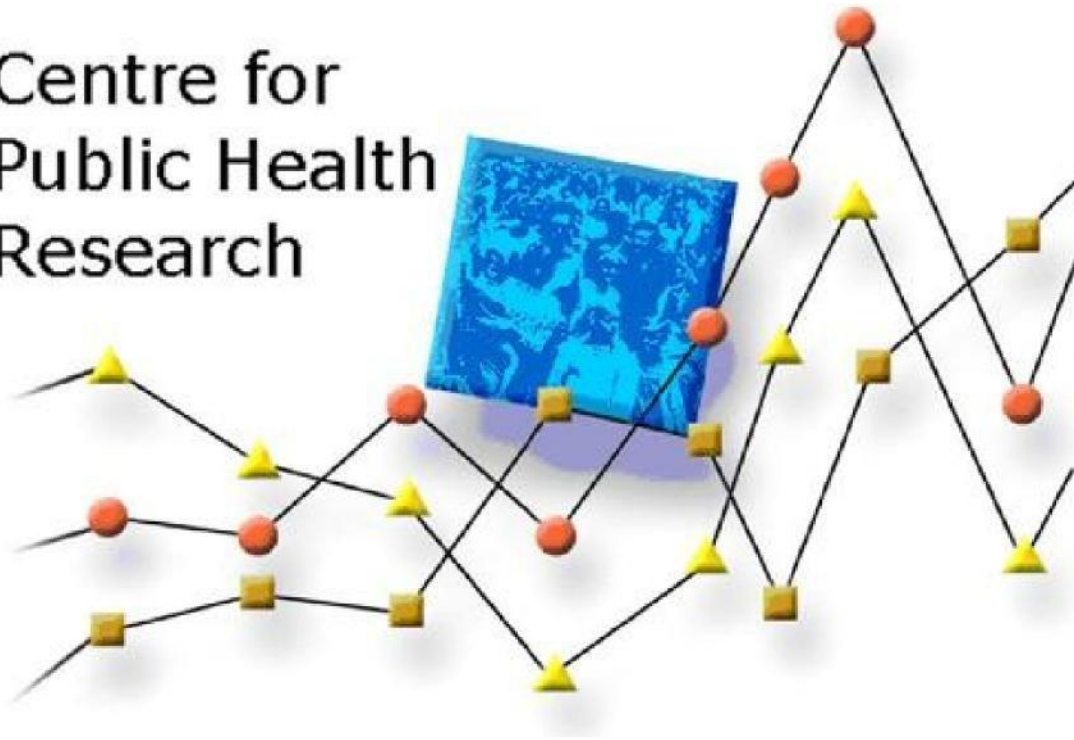


Centre for
Public Health
Research



Health Needs Assessment

Auckland District Health Board

For the Ministry of Health

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WELLINGTON

Health Needs Assessment

Auckland District Health Board

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

Demographics and social determinants of health

In 2006 Census, the Auckland DHB had a population of 404,619 which is predicted to increase to 554,500 by 2026. The percentage increase will be greater than that for New Zealand as a whole. In 2006, Auckland DHB had a large proportion of working age people (15-64 years). The population is ethnically diverse with greater proportions of Asian and Pacific peoples than in New Zealand as a whole, and a smaller proportion of Māori.

The Auckland population is spread relatively evenly across the NZDep06 Deprivation deciles. However Māori representation in each decile increases with increasing levels of deprivation, whilst the opposite is true for non-Māori.

Health status

Avoidable mortality and hospitalisations

There was no statistically significant difference in the rate of avoidable mortality rate between Māori and non-Māori in the Auckland DHB. Leading causes of avoidable mortality for Māori, but not non-Māori, were chronic obstructive pulmonary disease (COPD) and complications of perinatal period.

Three of the top five leading causes of avoidable mortality were the same for both Māori and non-Māori: ischaemic heart disease, lung cancer, and diabetes.

The avoidable hospitalisation rate for Māori was statistically significantly higher than for non-Māori, but the leading causes were similar between the two groups. Respiratory infections, angina, gastroenteritis, and ear, nose, and throat infections were four of the top five leading causes of avoidable hospitalisations for Auckland DHB, which was similar to the national patterns.

Child and youth health

Four of the top five leading causes of hospitalisations for children 0-4 years of age were the same for Māori and non-Māori children. These were ¹persons encountering health services in other circumstances, respiratory infections, disorders related to length of gestation and fetal growth and gastro-oesophageal reflux disease. These four conditions also featured in the top five leading causes for Auckland DHB and New Zealand.

¹ Persons encountering health services in other circumstances (Z70-Z76)- Health supervision and care of other healthy infant and child.

Auckland DHB had the same leading causes of hospitalisations for children 5-14 years of age as New Zealand: respiratory infections, dental conditions, ENT infections, injuries to the elbow and forearm, and ²persons encountering health services for specific procedures and health care.

Older people

Three of the top five leading causes of mortality for older people were similar between Māori and non-Māori in the Auckland DHB. These were ischaemic heart disease, COPD, and lung cancer. The leading causes of mortality and hospitalisation for older people in Auckland DHB were the same as those nationally: ischaemic heart disease, stroke, chronic obstructive respiratory disease, lung cancer, and colorectal cancer.

Health service utilisation

In 2009-2010, 76.3 percent of children in the Auckland DHB had received all specified immunisations by the age of two, which was slightly lower than the New Zealand rate. The coverage rate was higher for non-Māori (76.9%) than for Māori (70.4%).

Three in five people aged 65 years and over either received an influenza vaccine in the past 12 months. The coverage rate was similar for Māori and non-Māori.

Of eligible women, the screening coverage was higher for Māori women (54.5%) than for non-Māori women (51.3%). In the Auckland DHB, 50.2 percent had a mammogram in the past two years, which was lower than the national percentage (63.7%).

Of women aged 20 to 69 years in the Auckland DHB who had a primary health care provider, the coverage rate was higher for non-Māori women than for Māori women. The coverage rate was lower for Māori women in the Auckland DHB than for Māori women in New Zealand.

² Persons encountering health services for specific procedures and health care (Z40-Z54)- These are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow up care. For example, follow-up care involving plastic surgery or other surgical follow-up care.

INTRODUCTION

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

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

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

In this HNA, information is presented about the Auckland 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

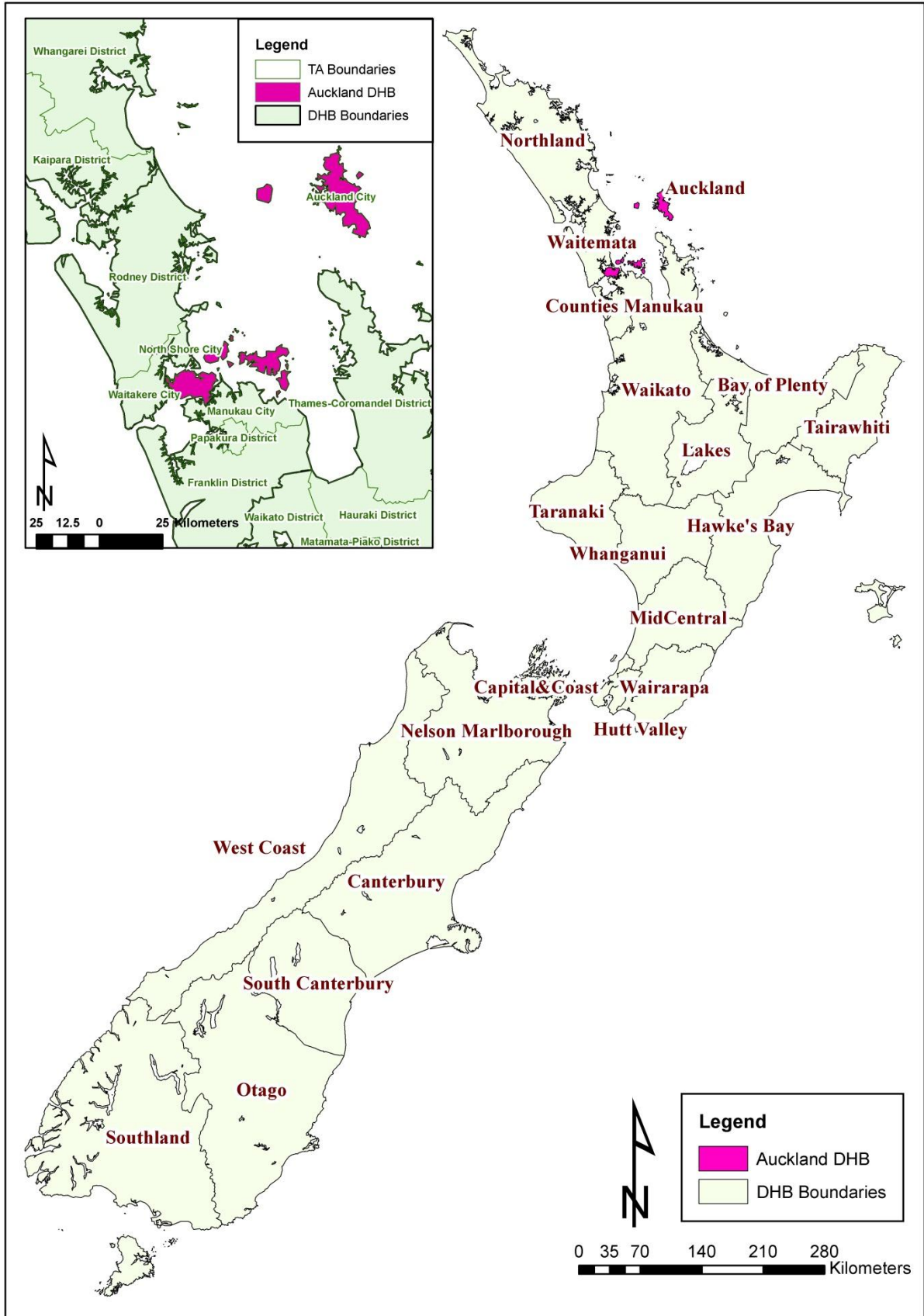
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non-Māori population in the DHB (622.3 per 100,000)

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

Auckland DHB had a population of 428,310 at the last (2006) census, making up approximately 10 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise to 554,500 by 2026, an increase of 29.4 percent compared to 19.2 percent for New Zealand.

1.1 Ethnicity

The proportion of people identifying themselves as Māori in Auckland is substantially less than that of New Zealand as a whole, (7.8% compared to 14.6%). There remains, however, a substantial Māori community in Auckland (34,920 people at the 2006 Census) which represents 5.6 percent of the New Zealand Māori population (2006 Census).

1.2 Population Distribution by Age and Gender

The majority of the Auckland DHB population (72.1%) are of working age (15-64 years), and make up a greater proportion than in New Zealand as a whole (66.5%), (Table 1.1). As a result there are proportionately fewer younger people (aged 0-14 years) and elderly (aged 65+ years) in Auckland when compared to the New Zealand population.

It is projected that by 2026, the proportion in the 65+ age group will have increased (9.4% to 13.0 %), while there will be a decline in the proportion of both young people (18.4% down to 16.3%) and those of working age (72.1% to 70.7%). This is in line with trends for the rest of New Zealand.

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
Auckland DHB	0-14	19.4	17.5	18.4	16.9	15.6	16.3
	15-64	72.2	72.0	72.1	70.8	70.6	70.7
	65+	8.4	10.4	9.4	12.3	13.7	13.0
New Zealand	0-14	22.2	20.3	21.2	19.4	17.9	18.6
	15-64	66.6	66.5	66.5	62.8	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			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland DHB	0-14	40650	38300	78950	46450	43660	90110	14.3	14.0	14.1
	15-64	151390	157540	308950	194530	197570	392100	28.5	25.4	26.9
	65+	17570	22830	40410	33850	38410	72250	92.7	68.2	78.8
	Total	209610	218670	428310	274830	279640	554460	31.1	27.9	29.5
New Zealand	0-14	454960	433360	888310	477070	451780	928840	4.9	4.3	4.6
	15-64	1364450	1420210	2784650	1545220	1573770	3119010	13.3	10.8	12.0
	65+	228930	282690	511620	440280	503800	944080	92.3	78.2	84.5
	Total	2048340	2136260	4184580	2462570	2529350	4991930	20.2	18.4	19.3

Figure 1: Population, age and gender, 2006 Census

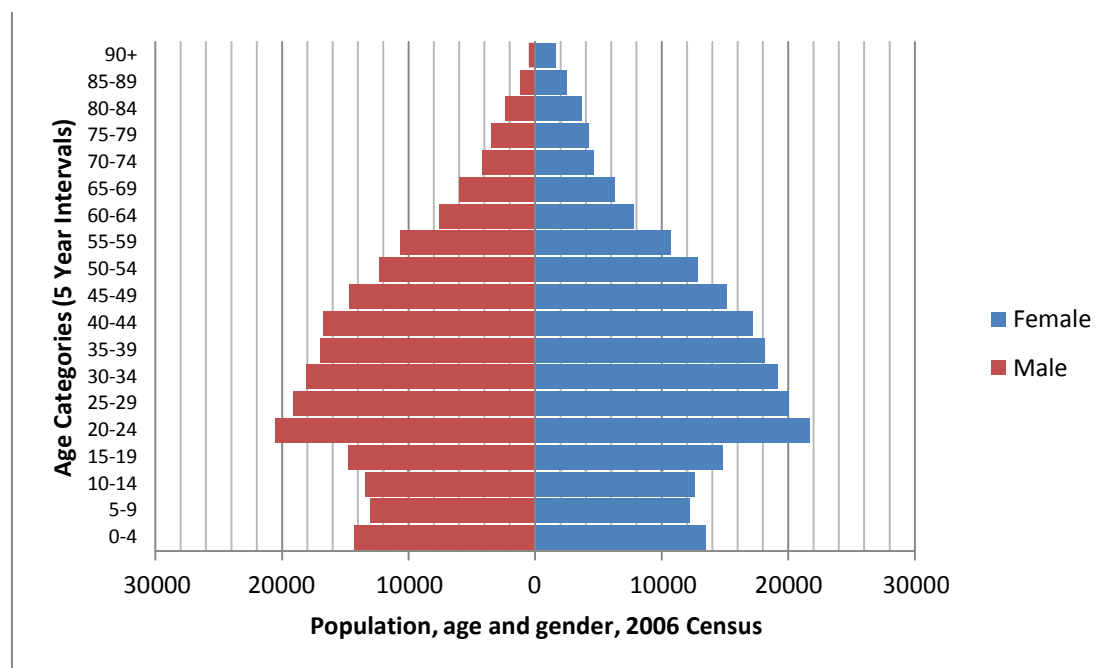
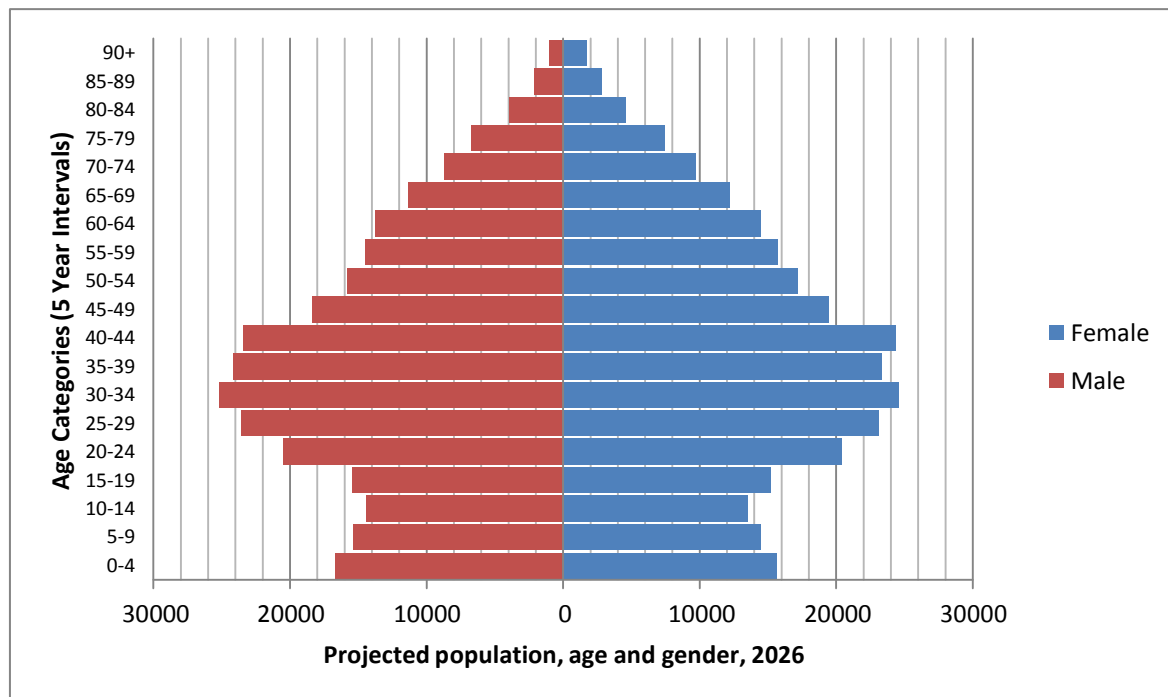


Figure 2: Projected population, age and gender, 2026



1.3 Population Distribution by Ethnicity

The Māori population is younger than both the non-Māori and total Auckland population. Like the total Auckland population, the Māori population is dominated by those of working age; the peak population for both Māori and non-Māori is 25-29 years. Rather than a bulge in population at this age band, and a population 'bubble' between 25 and 60 years, which is seen in the non-Māori population, the Māori population rises gradually to the peak age and declines steadily from that point and so this results in a more even population distribution.

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

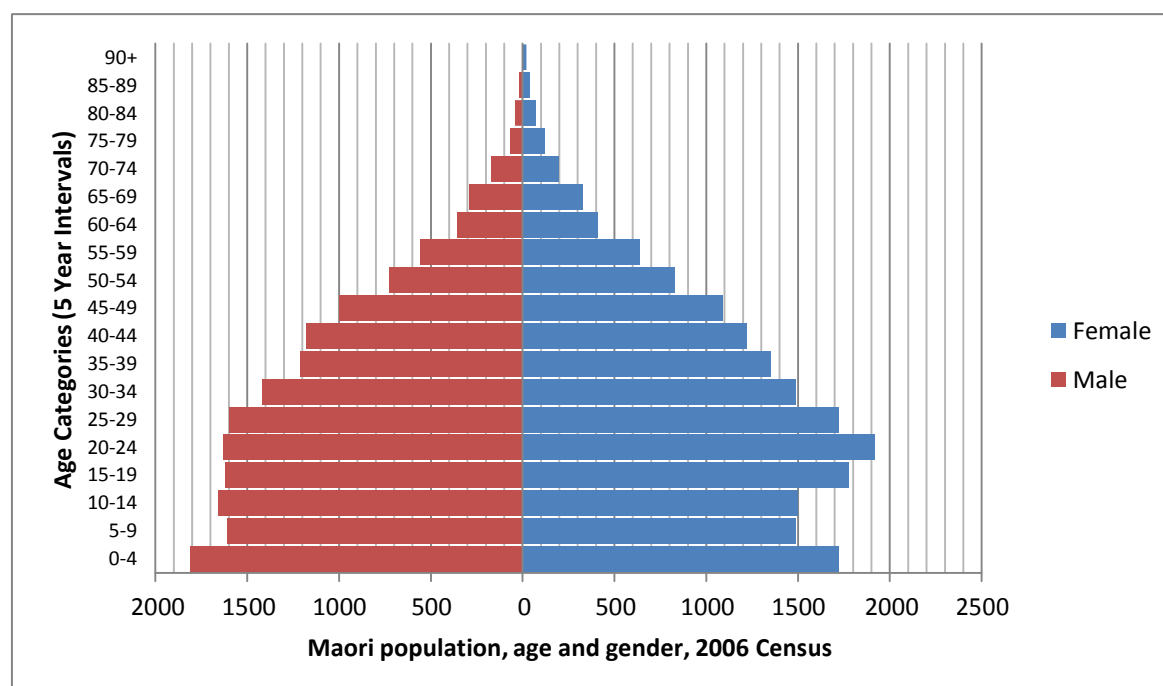
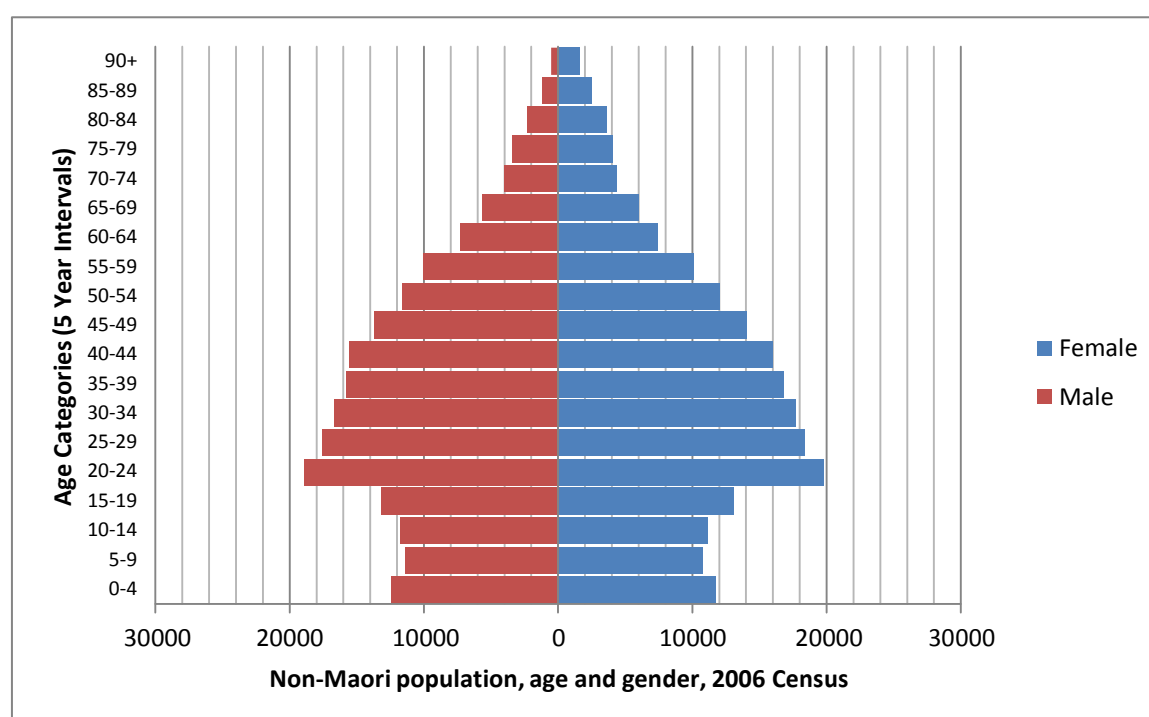


Figure 4: Non-Māori population, age and gender, 2006 Census



Over the period 2006-2026, a modest increase in both the proportion of young Māori (9.1%) and Māori of working age (9.9%) is predicted. The greatest change is expected to be seen in the elderly Māori population, where a 167.4 percent increase is predicted. By comparison the young and working age non-Māori populations are predicted to increase by higher proportions (14.8% and 28.3% respectively). A more modest increase (75.7%) is predicted for the elderly non-Māori population.

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

Location	Age Group	2006(Base)			2026			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland DHB	0-14	5080	4710	9780	5400	5270	10670	6.3	11.9	9.1
	15-64	11310	12450	23760	12790	13350	26110	13.1	7.2	9.9
	65+	590	780	1380	1590	2100	3690	169.5	169.2	167.4
	Total	16980	17940	34920	19780	20720	40470	16.5	15.5	15.9
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	29.9

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

Location	Age Group	2006(Base)			2026			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland DHB	0-14	35570	33590	69170	41050	38390	79440	15.4	14.3	14.8
	15-64	140080	145090	285190	181740	184220	365990	29.7	27.0	28.3
	65+	16980	22050	39030	32260	36310	68560	90.0	64.7	75.7
	Total	192630	200730	393390	255050	258920	513990	32.4	29.0	30.7
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

Despite the proportional changes described above and in Table 1.3 and Table 1.4, the predicted Māori population in 2026 is still dominated by young people, with the peak population lowering to 15-19 years. The working age population becomes much more even and the decline in numbers as the population ages is less pronounced. The non-Māori population remains older in structure than the Māori population, despite a greater increase in the number of young people. The peak population increases to 30-34 years and the population 'bubble' becomes more concentrated (20-50 years).

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

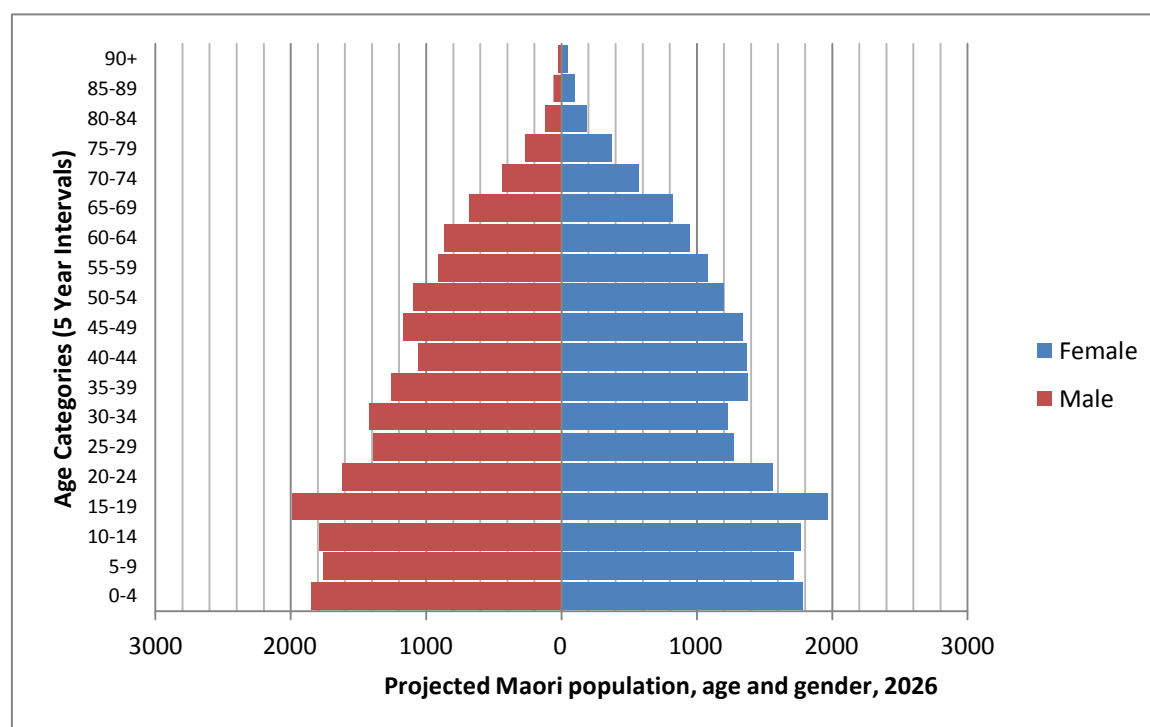
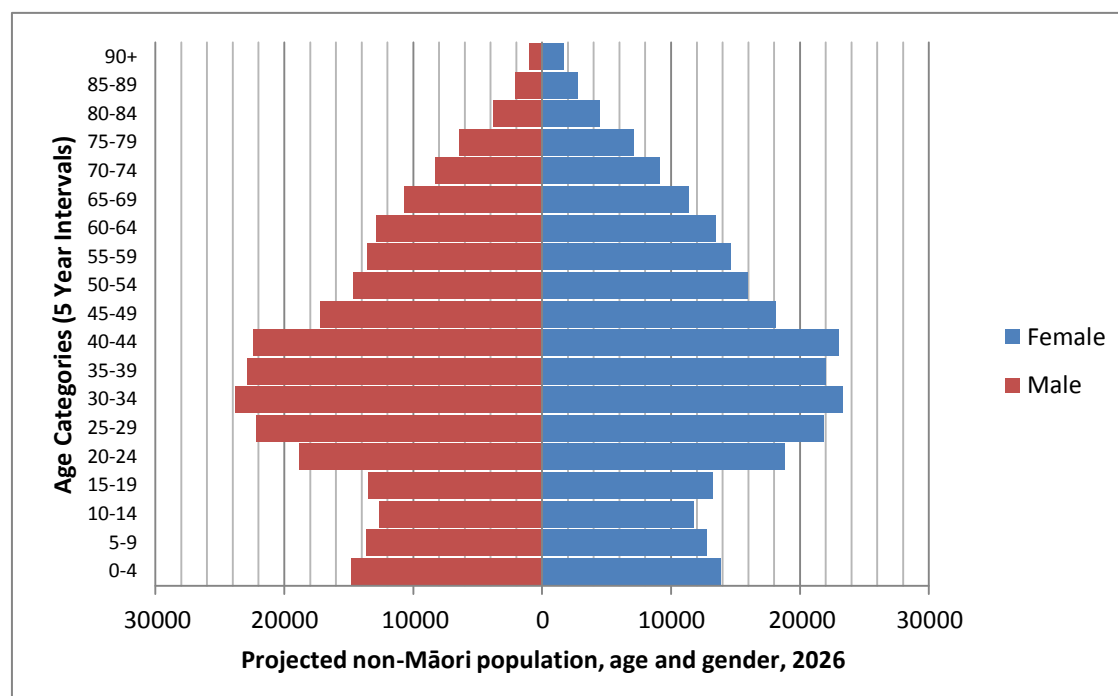


Figure 6: Projected non-Māori population, age and gender, 2026



2 SOCIAL DETERMINANTS OF HEALTH

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

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

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

2.1 The New Zealand Index of Deprivation (NZDep06)

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

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

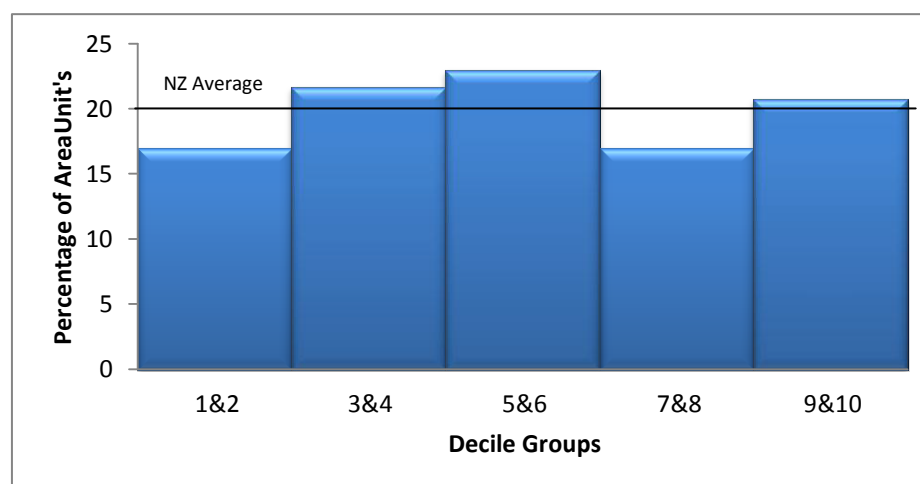


Figure 8: Auckland DHB population, ethnicity and NZDep06 Decile

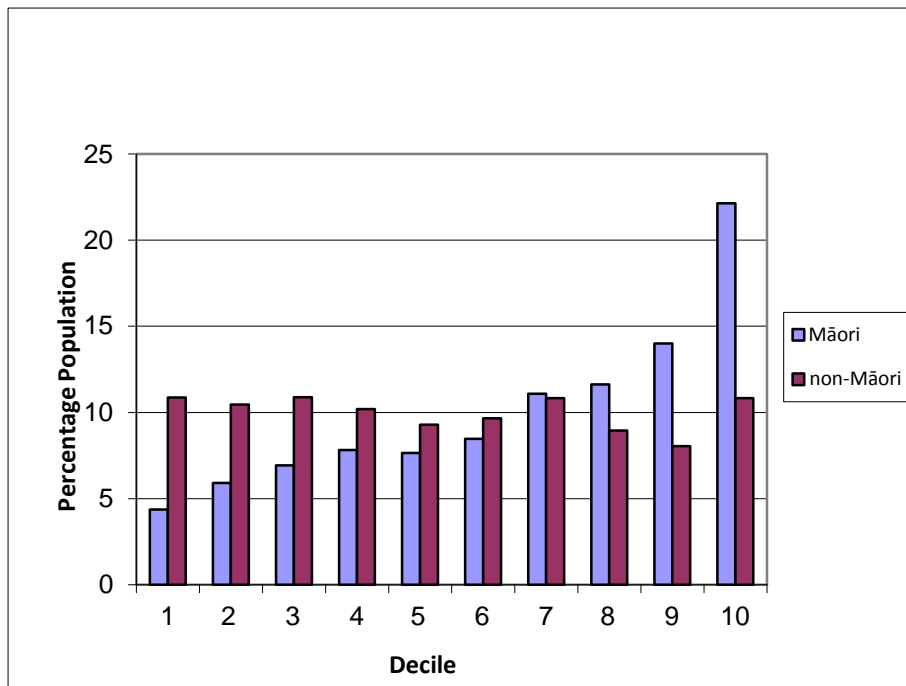
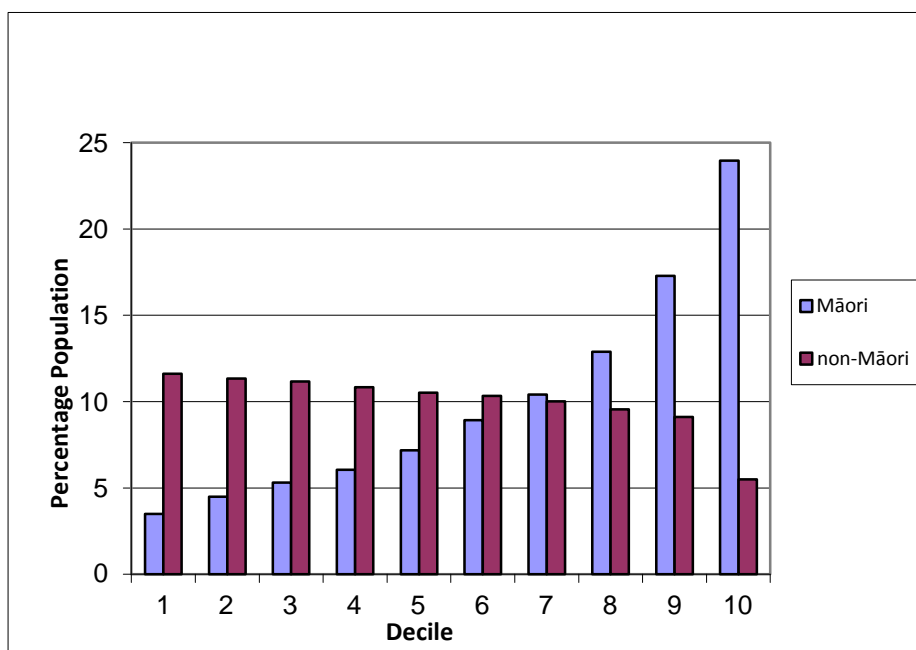


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



In the Auckland DHB the population is spread relatively evenly across the NZDep06 deciles. There is however, a very visible difference between Māori and non-Māori. Whilst non-Māori are represented relatively evenly across all deciles, Māori representation increases with each deprivation decile (from least deprived to most deprived). Just 4.0 percent of Māori are in Decile 1 (least deprived) compared to 11.0 percent of non-Māori. By Decile 10 (most deprived) double the number of Māori are represented (22.0%) compared to non-Māori (11.0%).

Distribution across deprivation deciles is more evenly spread for both Māori and non-Māori in Auckland when compared to New Zealand as a whole. The New Zealand distribution shows a much steeper upward trend with increased levels of deprivation for Māori and a steady decline with deprivation decile for non-Māori.

2.2 Education

The population of Auckland DHB has a higher proportion of university graduates (degree level and above) (26.1%), compared to the New Zealand population (14.2%). It also has a lower rate of people with no qualifications (13.4% compared to 22.4% for New Zealand).

2.3 Income

The Auckland DHB population has a higher proportion of the population earning over \$30,000 in personal income; 42.1 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 Auckland DHB population is similar to that for New Zealand (94.3% compared to 94.9%). Slightly more people are employed full-time (as opposed to part time) than nationally (79.2% and 77.1% respectively).

In terms of type of employment, there are a higher proportion of professionals in Auckland (27.7% compared to 18.9% nationally) and a lower proportion of machine operators and labourers (4.0% and 5.6% respectively compared to 5.8% and 11.0% nationally).

2.5 Housing Tenure

The Auckland DHB population are less likely to own or part own their own home compared to the New Zealand population (38.4% compared to 51.2%). There are also a slightly higher proportion of homes held in family trust in Auckland compared to the rest of the country, (7.8% compared to 6.2%).

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

Location	Unit	Total, dwelling owned or partly owned by usual resident(s)	Total, dwelling not owned or partly owned by usual resident(s)	Total, dwelling held in a family trust by usual resident(s)	Not elsewhere included	Total
Auckland DHB	Number	54945	57894	19035	11109	142983
	Percentage	38.4	40.5	13.3	7.8	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

The rate of access to communications in Auckland is similar to that of the country as a whole, with the exception of internet access, which is slightly higher (63.1% of households compared to 58.0%). The rate of access to motor vehicles in Auckland is also similar to that for the total country.

3 HEALTH STATUS

An understanding of the general health status of a population is important for ensuring the provision of adequate health services. This information is also important for determining priority issues for its planning and decision making for the DHB. This chapter presents information about health status for people living in the Auckland DHB district, in comparison to all New Zealanders.

Key points

- Three of the top five leading causes of avoidable mortality were the same for Māori and non-Māori. These included ischaemic heart disease, lung cancer, and diabetes. These were also featured in the top five leading causes for Māori in New Zealand. Ischaemic heart disease, lung cancer, suicide, and diabetes were four of the top five leading causes of avoidable mortality for both Auckland DHB and New Zealand.
- The avoidable hospitalisation rate in Auckland DHB was statistically significantly higher for Māori compared to non-Māori.
- Respiratory infections, asthma, angina, gastroenteritis, and ENT infections were leading causes of avoidable hospitalisation for both Māori and non-Māori in the Auckland DHB. Four of the top five leading causes were the same as those for New Zealand in total. These were respiratory infections, angina, gastroenteritis, and ENT infections.
- The unintentional injury hospitalisation rate was statistically significantly higher in the Auckland DHB than the national rate. Women in the Auckland DHB also had a significantly higher rate than women in New Zealand.
- Four of the leading causes of hospitalisations for Māori children 0-4 years of age in the Auckland DHB were the same as those for non-Māori children: persons encountering health services in other circumstances, respiratory infections, disorders related to length of gestation and fetal growth and gastro-oesophageal reflux disease.
- Leading causes of hospitalisations for children 5-14 years were similar between Māori and non-Māori. These were persons encountering health services for specific procedures and health care, respiratory infections, ENT infections, dental conditions, and injuries to the elbow and arm. These conditions also featured in the top five leading causes of hospitalisations for Auckland DHB and New Zealand.
- Ethnic differences were present among older persons. Diabetes and hypertensive disease being leading causes of mortality for older Māori but not older non-Māori people. Leading causes of mortality for older people in Auckland DHB were the same as those nationally. COPD featured in the top five leading causes of hospitalisations for older Māori while it did not for older non-Māori people.
- Across almost all measures of hospitalisation and mortality, avoidable hospitalisation is the only indicator where the rates were higher for Māori than for non-Māori in the Auckland DHB.

3.1 Avoidable Mortality

Overall, there was no statistically significant difference in the avoidable mortality rate for Māori and non-Māori in the Auckland DHB (Table 3.1).

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

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Auckland	Female	223.5	24.3	- 422.7	71.0	39.4	- 102.6	81.0	48.5	- 113.5
	Male	277.6	43.9	- 511.3	113.2	73.3	- 153.2	125.3	84.2	- 166.5
	Total	250.0	96.9	- 403.0	91.8	66.4	- 117.2	102.8	76.6	- 128.9
New Zealand	Female	214.6	168.7	- 260.5	74.2	63.5	- 84.8	88.9	78.2	- 99.6
	Male	308.9	251.4	- 366.5	122.9	109.1	- 136.7	142.4	128.6	- 156.1
	Total	259.8	223.3	- 296.3	98.1	89.4	- 106.8	115.1	106.4	- 123.8

3.2 Leading Causes of Avoidable Mortality

Three of the top five leading causes of avoidable mortality in the Auckland DHB were the same for Māori and non-Māori (Table 3.2). These were ischaemic heart disease, lung cancer, and diabetes. These three conditions also featured in the top five leading causes for Māori nationally.

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

	Auckland DHB		New Zealand	
	Condition	Rank	Condition	Rank
Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Lung cancer	2	Lung cancer	2
	Diabetes	3	Diabetes	3
	Complications of perinatal period	4	Motor vehicle accidents	4
	COPD	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
	Colorectal cancer	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

Four of the top five leading causes of avoidable mortality in the Auckland DHB were the same as those nationally (Table 3.3). These were ischaemic heart disease, lung cancer, suicide, and diabetes. Breast cancer was a leading cause for women followed by lung cancer while ischaemic heart disease and suicide were the top two leading causes of avoidable mortality for men.

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

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

3.3 Avoidable Hospitalisations

The avoidable hospitalisation rate in Auckland DHB was statistically significantly higher for Māori compared to non-Māori (Table 3.4). However, there was no statistically significant difference in the avoidable hospitalisation rate for Auckland DHB compared to the national average.

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	
Auckland	Female	5225.8	4176.3	- 6275.3	3307.6	3009.2	- 3606.0	3469.2	3182.7	- 3755.7
	Male	5151.3	4096.2	- 6206.5	3591.7	3287.4	- 3896.0	3710.7	3420.1	- 4001.4
	Total	5193.1	4449.3	- 5936.9	3450.7	3237.5	- 3663.9	3591.0	3386.8	- 3795.1
New Zealand	Female	4904.4	4671.6	- 5137.1	3156.7	3061.1	- 3252.3	3408.8	3321.6	- 3496.1
	Male	4974.2	4736.0	- 5212.5	3535.8	3435.8	- 3635.9	3746.4	3655.7	- 3837.2
	Total	4946.3	4779.6	- 5112.9	3347.1	3277.8	- 3416.3	3578.9	3516.0	- 3641.9

3.4 Leading Causes of Avoidable Hospitalisations

Respiratory infections, asthma, angina, gastroenteritis and ENT infections were leading causes for both Māori and non-Māori in the Auckland DHB (Table 3.5).

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

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

Note: ENT infections= ear, nose and throat infections

Respiratory infections, angina, gastroenteritis, and ENT infections were among the top four avoidable hospitalisations for Auckland DHB, which was similar to patterns for New Zealand in total (Table 3.6). Conversely dental conditions featured for total New Zealand avoidable hospitalisations, but not for Auckland DHB.

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

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

Note: ENT infections= ear, nose and throat infections

3.5 Unintentional Injury Mortality

There was no statistically significant difference in the rate of unintentional injury mortality rate for Māori versus non-Māori as well as for Auckland DHB versus New Zealand (Table 3.7).

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

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Auckland	Female	20.7	-42.2	- 83.5	6.2	-3.9	- 16.3	7.6	-3.4	- 18.6
	Male	31.4	-45.3	- 108.2	10.1	-2.3	- 22.5	12.0	-1.1	- 25.0
	Total	25.6	-23.1	- 74.4	8.0	0.1	- 16.0	9.7	1.2	- 18.1
New Zealand	Female	21.2	6.0	- 36.3	7.8	3.8	- 11.8	10.4	6.0	- 14.7
	Male	49.1	25.2	- 73.0	21.6	14.8	- 28.5	26.1	19.1	- 33.0
	Total	34.5	20.7	- 48.4	14.6	10.7	- 18.6	18.1	14.0	- 22.2

3.6 Unintentional Injury Hospitalisations

Table 3.8 shows that the unintentional injury hospitalisation rate was not statistically significantly different for Māori and non-Māori. However, Auckland DHB had a statistically significantly higher rate than the national rate. The unintentional injury hospitalisation rate was also statistically significantly higher for women in the Auckland DHB than for women in New Zealand as a whole.

Table 3.8: Unintentional injury hospitalisation, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Auckland	Female	1802.9	1171.3	- 2434.6	1409.5	1217.8	- 1601.2	1451.1	1267.6	- 1634.5
	Male	2952.3	2153.9	- 3750.7	2237.8	2002.7	- 2472.8	2303.0	2078.2	- 2527.8
	Total	2362.1	1856.3	- 2867.9	1824.5	1672.7	- 1976.4	1877.0	1731.8	- 2022.2
New Zealand	Female	1344.0	1220.6	- 1467.5	1133.4	1077.2	- 1189.6	1174.8	1124.1	- 1225.5
	Male	2485.9	2315.3	- 2656.6	2015.8	1942.3	- 2089.3	2095.7	2028.9	- 2162.6
	Total	1900.9	1796.5	- 2005.3	1575.3	1529.0	- 1621.6	1634.3	1592.4	- 1676.3

3.7 Child Health (0-14 years)

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

Four of the top five leading causes of hospitalisations for Māori and non-Māori children 0-4 years were similar (Table 3.9). In the Auckland DHB, ENT infections was one of the top five leading causes of hospitalisations among Māori but not for non-Māori.

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

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

Note: ENT infections= ear, nose and throat infections

*Persons encountering health services in other circumstances (Z70-Z76). For example, health supervision and care of other healthy infant and child. **Persons encountering health services for examination and investigation (Z00-Z13). For example, general medical examination or routine child health examination.

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

Four of the leading causes of hospitalisations for children 0-4 years of age in the Auckland DHB were the same as those for New Zealand in total (Table 3.10). These were persons encountering health services in other circumstances, respiratory infections, disorders related to length of gestation and fetal growth and gastro-oesophageal reflux disease. There were no difference in leading causes of hospitalisations between boys and girls in the Auckland DHB.

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

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

Note: ENT infections= ear, nose and throat infections

*Persons encountering health services in other circumstances (Z70-Z76). For example, health supervision and care of other healthy infant and child. **Persons encountering health services for examination and investigation (Z00-Z13). For example, general medical examination or routine child health examination.

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

Leading causes of hospitalisations for children 5-14 years were similar between Māori and non-Māori in the Auckland DHB as well as for New Zealand (Table 3.11).

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

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

Note: ENT infections= ear, nose and throat infections

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

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

Table 3.12 shows that Auckland DHB had the same total leading causes of hospitalisations for children 5-14 years of age as New Zealand: respiratory infections, dental conditions, ENT infections, injuries to the elbow and forearm, and persons encountering health services for specific procedures and health care.

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

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

Three of the top five leading causes of mortality for older people in Auckland DHB were similar between Māori and non-Māori (Table 3.13). These were ischaemic heart disease, chronic obstructive pulmonary disease (COPD), and lung cancer.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

The leading causes of mortality for older people in Auckland DHB were the same as those nationally: ischaemic heart disease, stroke, COPD, lung cancer, and colorectal cancer (Table 3.14). Similar patterns were also found for men and women.

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

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

Four of the top five leading causes of hospitalisations for older Māori and non-Māori people in the Auckland DHB were respiratory infections, angina, diabetes, and complications of surgical and medical care (Table 3.15). While COPD featured in the top five leading causes of hospitalisations for Māori it was not one of the leading causes for non-Māori.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

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

Table 3.16 shows that three of the top five leading causes of hospitalisations for older people in Auckland DHB were the same as those for New Zealand in total. These were respiratory infections, angina, and other forms of heart disease.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

3.9 Other Health Conditions

Further data on chronic conditions and cancer in Auckland DHB are available in Appendices 2-4. Key points are listed here.

3.9.1 Chronic conditions

Māori women had statistically significantly higher rates than non-Māori women for ischaemic heart disease hospitalisation (Appendix 3: Table 3.1.3). However, the rate of ischaemic heart disease hospitalisation was significantly lower than the national rate. The rate of chronic obstructive pulmonary disease (COPD) hospitalisations in Auckland DHB was significantly higher for Māori people than non-Māori people (Appendix 3: Table 3.1.23 and Table 3.1.27).

The Māori asthma hospitalisation rate was significantly higher than the non-Māori rate and was one of the top five causes of avoidable hospitalisation (Appendix 3: Table 3.1.26).

3.9.2 Cancer

The rate for lung cancer hospitalisation for Māori was significantly higher than the rate for non-Māori (Appendix 3: Table 3.1.6). Almost all cancer hospitalisation rates for Auckland DHB were significantly lower than the national rate.

3.9.3 Diabetes

The diabetes hospitalisation rate for Māori people was significantly higher than that for non-Māori people (Appendix 3: Table 3.1.24). However, there were no significant difference in the diabetes complications and renal failure hospitalisation rates for Auckland DHB compared to New Zealand (Appendix 3: Table 3.1.25).

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 Auckland 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 Auckland DHB in 2009-2010, 70.4 percent of Māori children had received all specified immunisations by the age of two, which was lower than the rate for non-Māori children (76.9%). The coverage rate for the Auckland DHB (76.3%) was slightly lower than the national rate (77.7%).
- Three in five people aged 65 years and over either received an influenza vaccine, or had agreements made by a primary health provider to receive an influenza vaccine in the past 12 months.
- Of women in the Auckland DHB aged 50-64 years, 50.2 percent had a mammogram in the past two years, which was lower than the national percentage (63.7%). The screening coverage was higher for Māori women than for non-Māori women in the Auckland DHB, and higher than for Māori women in New Zealand as a whole.
- Of women aged 20 to 69 years in the Auckland DHB who had a primary health care provider, 79.8 percent had a cervical smear in the past three years. The coverage rate was higher for non-Māori women than for Māori women. The coverage rate was lower for Māori women in the Auckland DHB than for Māori women in New Zealand.

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 Auckland DHB, the coverage rate was higher for non-Māori (76.9%) than for Māori (70.4%) in 2009-2010 (Table 4.1). 76.3 percent of children in the Auckland DHB had received all specified immunisation vaccines by the age of two, slightly lower than the national rate of 77.7 percent.

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

DHB	Māori	non-Māori	Total
Auckland DHB	70.4%	76.9%	76.3%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

In the Auckland DHB, 53.7 percent of Māori people aged 65 years and over either received an influenza vaccine, or had agreements made by a primary health provider to receive an influenza vaccine in the past 12 months. The coverage rate is lower for Auckland DHB compared to New Zealand (Table 4.2).

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

DHB	Māori	non-Māori	Total
Auckland DHB	53.7%	54.9%	56.7%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Auckland DHB aged 50 to 64 years who have a primary care provider, 50.2 percent had a mammogram in the past two years to check for early signs of breast cancer (Table 4.3). This was lower than the national percentage (63.7%). The screening coverage was slightly higher for Māori women than for non-Māori women in the Auckland DHB. The coverage rate was also higher for Māori women in the Auckland DHB than for Māori women in New Zealand. Conversely non-Māori women in Auckland DHB have lower coverage rates than non-Māori women in New Zealand.

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

DHB	Māori	non-Māori	Total
Auckland DHB	54.5%	51.3%	50.2%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Auckland DHB who had a primary health care provider, 79.8 percent had a cervical smear in the past three years (Table 4.4). The coverage rate was higher for non-Māori women than for Māori women. The coverage rate was lower for Māori women in the Auckland DHB than for Māori women in New Zealand.

Similar to breast cancer screening, non-Māori women in Auckland DHB have lower cervical smear coverage rates than non-Māori women in New Zealand.

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

DHB	Māori	non-Māori	Total
Auckland DHB	48.1%	69.9%	79.8%
New Zealand	54.4%	75.5%	72.6%

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Appendix 1

Demographic Tables

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

Location	Age Group	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	0-14	40,650	38,300	78,950	41,100	38,490	79,600	42,760	40,170	82,910	45,160	42,410	87,570	46,450	43,660	90,110	14.3	14.0	14.1
	15-64	151,390	157,540	308,950	167,700	172,940	340,660	175,690	180,530	356,220	185,330	189,330	374,670	194,530	197,570	392,100	28.5	25.4	26.9
	65+	17,570	22,830	40,410	20,430	24,710	45,130	23,730	27,500	51,220	28,280	32,320	60,610	33,850	38,410	72,250	92.7	68.2	78.8
	Total	209,610	218,670	428,310	229,230	236,140	465,390	242,180	248,200	490,350	258,770	264,060	522,850	274,830	279,640	554,460	31.1	27.9	29.5
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
Auckland	3,180	2,980	6,160	3,350	3,160	6,510	3,430	3,240	6,670	3,490	3,300	6,790	3,490	3,290	6,780	9.7	10.4	10.1
New Zealand	30,150	28,910	59,060	31,830	30,190	62,020	31,380	29,760	61,140	31,380	29,750	61,130	31,500	29,870	61,360	4.5	3.3	3.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	11,060	10,490	21,550	12,370	11,530	23,900	12,770	11,990	24,760	13,130	12,320	25,450	13,160	12,350	25,510	19.0	17.7	18.4
New Zealand	116,060	110,880	226,940	130,230	122,710	252,940	126,860	120,240	247,090	125,820	119,240	245,060	126,140	119,520	245,660	8.7	7.8	8.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	12,980	12,230	25,210	13,160	12,370	25,530	14,130	13,260	27,380	14,960	14,100	29,060	15,380	14,490	29,870	18.5	18.5	18.5
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
Auckland	13,430	12,600	26,030	12,220	11,430	23,660	12,430	11,680	24,100	13,580	12,690	26,270	14,420	13,530	27,950	7.4	7.4	7.4
New Zealand	159,520	150,920	310,430	149,830	142,960	292,790	149,610	142,400	292,010	164,550	155,140	319,690	160,920	152,270	313,190	0.9	0.9	0.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	14,790	14,840	29,630	15,020	14,760	29,790	14,220	14,010	28,230	14,300	14,140	28,450	15,460	15,150	30,610	4.5	2.1	3.3
New Zealand	159,400	154,160	313,560	160,800	153,760	314,560	154,110	148,300	302,410	152,660	146,680	299,340	167,590	159,430	327,020	5.1	3.4	4.3

Table 1.1.7: Projected Total Population Aged 20-24 Years by Sex at 30 June 2007–26 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	20,550	21,660	42,210	21,480	21,170	42,650	21,450	21,240	42,690	20,380	20,230	40,620	20,470	20,370	40,840	-	0.4	- 6.0
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
Auckland	19,130	20,040	39,170	23,950	24,510	48,450	24,150	23,380	47,530	24,630	24,080	48,710	23,580	23,080	46,670	23.3	15.2	19.1
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
Auckland	18,040	19,190	37,230	21,120	22,060	43,180	24,510	25,340	49,850	24,710	23,860	48,570	25,190	24,570	49,760	39.6	28.0	33.7
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
Auckland	16,980	18,110	35,090	17,340	18,480	35,830	19,370	20,290	39,660	23,940	24,790	48,730	24,150	23,320	47,470	42.2	28.8	35.3
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
Auckland	16,710	17,210	33,920	16,790	18,130	34,920	16,940	18,280	35,220	18,850	19,870	38,710	23,410	24,360	47,760	40.1	41.5	40.8
New Zealand	155,940	166,540	322,490	151,430	166,140	317,570	141,000	155,280	296,280	137,690	147,630	285,320	155,770	160,510	316,290	-	0.1	- 3.6

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
Auckland	14,670	15,150	29,820	16,140	16,600	32,740	15,930	17,130	33,060	16,440	17,840	34,280	18,340	19,420	37,760	25.0	28.2	26.6
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

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
Auckland	12,300	12,810	25,120	14,220	14,850	29,080	15,430	15,930	31,360	15,240	16,450	31,690	15,760	17,160	32,920	28.1	34.0	31.1
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
Auckland	10,610	10,720	21,330	11,780	12,280	24,060	13,090	13,630	26,720	14,600	15,180	29,780	14,440	15,710	30,150	36.1	46.5	41.4
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
Auckland	7,610	7,810	15,430	9,860	10,100	19,960	10,600	11,300	21,900	12,240	12,890	25,130	13,730	14,430	28,160	80.4	84.8	82.5
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
Auckland	5,960	6,290	12,250	7,170	7,590	14,750	8,830	9,280	18,110	9,730	10,590	20,320	11,330	12,150	23,480	90.1	93.2	91.7
New Zealand	75,620	79,910	155,530	93,080	97,750	190,820	111,140	117,390	228,530	117,740	125,610	243,350	133,120	144,170	277,290	76.0	80.4	78.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	4,130	4,590	8,720	5,320	5,840	11,160	5,900	6,390	12,290	7,830	8,430	16,260	8,720	9,700	18,420	111.1	111.3	111.2
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
Auckland	3,440	4,190	7,630	3,360	3,860	7,220	4,190	4,700	8,880	4,960	5,520	10,490	6,710	7,430	14,140	95.1	77.3	85.3
New Zealand	47,570	56,030	103,600	50,280	57,860	108,140	60,630	68,560	129,190	71,550	79,900	151,460	91,620	102,350	193,970	92.6	82.7	87.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	2,350	3,650	6,000	2,500	3,210	5,710	2,480	3,020	5,500	3,250	3,850	7,100	3,920	4,600	8,520	66.8	26.0	42.0
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
Auckland	1,190	2,490	3,680	1,500	2,680	4,180	1,630	2,530	4,160	1,650	2,330	3,980	2,140	2,840	4,970	79.8	14.1	35.1
New Zealand	13,160	25,920	39,080	19,190	30,990	50,170	22,720	32,900	55,620	24,810	34,280	59,090	32,180	43,160	75,340	144.5	66.5	92.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	500	1,620	2,130	580	1,530	2,110	700	1,580	2,280	860	1,600	2,460	1,030	1,690	2,720	106.0	4.3	27.7
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
Auckland	209,600	218,700	428,300	229,200	236,100	465,400	242,200	248,200	490,400	258,800	264,100	522,900	274,800	279,700	554,500	31.1	27.9	29.5
New Zealand	2,048,300	2,136,200	4,184,600	2,197,500	2,273,600	4,471,100	2,279,400	2,351,400	4,630,800	2,374,700	2,443,200	4,817,900	2,462,600	2,529,300	4,991,900	20.2	18.4	19.3

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

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

These projections were derived in September 2010.

Source: Statistics New Zealand

Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

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

Location	Age Group	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	0-14	5,080	4,710	9,780	5,470	5,210	10,700	5,740	5,560	11,300	5,900	5,730	11,630	5,400	5,270	10,670	6.3	11.9	9.1
	15-64	11,310	12,450	23,760	11,790	12,730	24,510	12,030	12,830	24,840	12,220	12,910	25,140	12,790	13,350	26,110	13.1	7.2	9.9
	65+	590	780	1,380	700	940	1,660	900	1,200	2,100	1,200	1,590	2,780	1,590	2,100	3,690	169.5	169.2	167.4
	Total	16,980	17,940	34,920	17,960	18,880	36,870	18,670	19,590	38,240	19,320	20,230	39,550	19,780	20,720	40,470	16.5	15.5	15.9
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
Auckland	450	430	870	460	440	910	430	410	840	400	380	780	380	370	750	15.6	-	14.0
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
Auckland	1,360	1,290	2,650	1,850	1,770	3,630	1,720	1,650	3,370	1,560	1,500	3,060	1,470	1,410	2,880	8.1	9.3	8.7
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
Auckland	1,610	1,490	3,100	1,720	1,680	3,400	2,150	2,080	4,230	1,960	1,900	3,860	1,760	1,720	3,480	9.3	15.4	12.3
New Zealand	36,500	34,900	71,410	38,540	36,750	75,290	45,430	43,250	88,690	44,370	42,230	86,600	43,760	41,640	85,410	19.9	19.3	19.6

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,660	1,500	3,160	1,440	1,320	2,760	1,440	1,420	2,860	1,980	1,950	3,930	1,790	1,770	3,560	7.8	18.0	12.7
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
Auckland	1,620	1,780	3,400	1,590	1,470	3,050	1,440	1,380	2,820	1,460	1,450	2,910	1,990	1,970	3,960	22.8	10.7	16.5
New Zealand	32,900	33,090	65,980	34,100	32,300	66,390	33,530	32,150	65,680	33,610	32,080	65,690	42,170	40,200	82,370	28.2	21.5	24.8

Table 1.2.7: Projected Māori Population Aged 20-24 Years by Sex at 30 June 2007(2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,630	1,920	3,550	1,770	1,800	3,570	1,810	1,600	3,410	1,600	1,490	3,090	1,620	1,560	3,180	-	0.6	- 18.8 - 10.4
New Zealand	24,200	25,900	50,090	31,190	30,640	61,830	32,070	29,740	61,810	30,950	29,310	60,250	31,030	29,250	60,280	28.2	12.9	20.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,600	1,720	3,320	1,420	1,690	3,110	1,520	1,610	3,130	1,590	1,380	2,970	1,390	1,270	2,660	-	13.1	- 26.2 - 19.9
New Zealand	20,620	22,960	43,580	21,930	23,830	45,750	27,180	27,580	54,760	29,110	27,190	56,310	28,040	26,780	54,820	36.0	16.6	25.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,420	1,490	2,910	1,360	1,500	2,860	1,210	1,510	2,710	1,340	1,450	2,800	1,420	1,230	2,640	-	-	17.4 - 9.3
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
Auckland	1,210	1,350	2,560	1,280	1,390	2,670	1,320	1,470	2,780	1,130	1,430	2,560	1,260	1,380	2,640	4.1	2.2	3.1
New Zealand	19,940	22,610	42,550	18,780	21,830	40,610	18,390	21,360	39,750	19,130	21,750	40,880	24,990	26,070	51,060	25.3	15.3	20.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,180	1,220	2,400	1,130	1,340	2,470	1,250	1,330	2,570	1,240	1,410	2,650	1,060	1,370	2,420	-	10.2	12.3 0.8
New Zealand	19,170	21,360	40,530	19,120	22,160	41,280	18,490	21,590	40,070	17,590	20,680	38,270	18,330	21,080	39,410	-	4.4	- 1.3 - 2.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	1,000	1,090	2,090	1,090	1,090	2,180	1,040	1,200	2,250	1,180	1,260	2,440	1,170	1,340	2,510	17.0	22.9	20.1
New Zealand	16,760	18,590	35,350	18,010	20,280	38,290	18,040	20,990	39,040	17,620	20,820	38,440	16,770	19,950	36,720	0.1	7.3	3.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	730	830	1560	960	1070	2030	1010	1070	2080	970	1140	2110	1100	1200	2300	50.7	44.6	47.4
New Zealand	12930	13930	26860	16240	18560	34800	17130	19620	36750	17090	20150	37240	16720	20010	36720	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
Auckland	560	640	1200	670	800	1470	840	950	1790	950	1010	1960	910	1080	1990	62.5	68.8	65.8
New Zealand	10070	10860	20930	12390	13760	26140	14630	16810	31440	16040	18710	34750	16070	19260	35330	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
Auckland	360	410	770	520	580	1100	590	710	1300	760	890	1650	870	950	1810	141.7	131.7	135.1
New Zealand	6770	7360	14130	9450	10470	19930	10850	12270	23130	13450	15820	29270	14830	17660	32490	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
Auckland	290	330	620	310	380	700	420	520	940	520	650	1160	680	820	1500	134.5	148.5	141.9
New Zealand	5410	5930	11350	6200	7030	13240	8000	9180	17180	9690	11250	20930	12110	14580	26690	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
Auckland	170	200	370	230	290	520	240	300	540	350	450	800	440	570	1000	158.8	185.0	170.3
New Zealand	3350	3780	7140	4700	5300	10000	4940	5790	10730	6820	8070	14890	8370	9980	18350	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
Auckland	70	120	200	110	140	250	160	210	370	180	240	420	270	370	650	285.7	208.3	225.0
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
Auckland	40	70	110	40	80	120	70	100	170	110	160	260	120	190	310	200.0	171.4	181.8
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
Auckland	20	40	60	10	40	50	10	50	60	30	60	100	60	100	160	200.0	150.0	166.7
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
Auckland	-	20	20	-	10	20	-	20	20	10	30	40	20	50	70	/	150.0	250.0
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
Auckland	17,000	17,900	34,900	18,000	18,900	36,900	18,700	19,600	38,300	19,300	20,200	39,500	19,800	20,700	40,500	16.5	15.6	16.0
New Zealand	305,800	318,500	624,300	335,700	348,300	684,000	355,200	367,400	722,600	377,800	389,500	767,300	399,900	410,800	810,700	30.8	29.0	29.9

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

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

These projections were derived in September 2010.

Source: Statistics New Zealand

Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

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

Location	Age Group	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	0-14	35,570	33,590	69,170	35,630	33,280	68,900	37,020	34,610	71,610	39,260	36,680	75,940	41,050	38,390	79,440	15.4	14.3	14.8
	15-64	140,080	145,090	285,190	155,910	160,210	316,150	163,660	167,700	331,380	173,110	176,420	349,530	181,740	184,220	365,990	29.7	27.0	28.3
	65+	16,980	22,050	39,030	19,730	23,770	43,470	22,830	26,300	49,120	27,080	30,730	57,830	32,260	36,310	68,560	90.0	64.7	75.7
	Total	192,630	200,730	393,390	211,270	217,260	428,520	223,510	228,610	452,110	239,450	243,830	483,300	255,050	258,920	513,990	32.4	29.0	30.7
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	-	0.3
	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(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
Auckland	2,730	2,550	5,290	2,890	2,720	5,600	3,000	2,830	5,830	3,090	2,920	6,010	3,110	2,920	6,030	13.9	14.5	14.0
New Zealand	22,080	21,070	43,140	22,610	21,440	44,040	22,300	21,140	43,440	22,330	21,160	43,490	22,190	21,040	43,220	0.5	-	0.2

Table 1.3.3: Projected Non 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
Auckland	9,700	9,200	18,900	10,520	9,760	20,270	11,050	10,340	21,390	11,570	10,820	22,390	11,690	10,940	22,630	20.5	18.9	19.7
New Zealand	86,670	83,140	169,810	93,180	87,510	180,690	90,620	85,820	176,430	90,160	85,380	175,550	89,980	85,200	175,180	3.8	2.5	3.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	11,370	10,740	22,110	11,440	10,690	22,130	11,980	11,180	23,150	13,000	12,200	25,200	13,620	12,770	26,390	19.8	18.9	19.4
New Zealand	112,730	107,750	220,470	113,100	107,320	220,420	117,740	110,740	228,470	115,160	108,880	224,040	114,750	108,480	223,220	1.8	0.7	1.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Auckland	11,770	11,100	22,870	10,780	10,110	20,900	10,990	10,260	21,240	11,600	10,740	22,340	12,630	11,760	24,390	7.3	5.9	6.6	
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	-	4.4

Table 1.3.6: Projected Non 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			
Auckland	13,170	13,060	26,230	13,430	13,290	26,740	12,780	12,630	25,410	12,840	12,690	25,540	13,470	13,180	26,650	2.3	0.9	1.6			
New Zealand	126,500	121,070	247,580	126,700	121,460	248,170	120,580	116,150	236,730	119,050	114,600	233,650	125,420	119,230	244,650	-	0.9	-	1.5	-	1.2

Table 1.3.7: Projected Non Māori Population Aged 20-24 Years by Sex at 30 June 2007(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
Auckland	18,920	19,740	38,660	19,710	19,370	39,080	19,640	19,640	39,280	18,780	18,740	37,530	18,850	18,810	37,660	-	0.4	- 4.7
New Zealand	121,650	119,430	241,090	138,610	130,240	268,860	136,730	130,170	266,900	128,320	123,120	251,440	126,840	121,580	248,420	4.3	1.8	3.0

Table 1.3.8: Projected Non Māori Population Aged 25-29 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	17,530	18,320	35,850	22,530	22,820	45,340	22,630	21,770	44,400	23,040	22,700	45,740	22,190	21,810	44,010	26.6	19.1	22.8
New Zealand	106,150	110,640	216,790	128,090	126,380	254,480	137,910	131,040	268,950	138,620	133,610	272,220	130,260	126,560	256,820	22.7	14.4	18.5

Table 1.3.9: Projected Non Māori Population Aged 30-34 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	16,620	17,700	34,320	19,760	20,560	40,320	23,300	23,830	47,140	23,370	22,410	45,770	23,770	23,340	47,120	43.0	31.9	37.3
New Zealand	116,040	126,660	242,690	118,190	124,180	242,370	132,200	134,010	266,200	143,710	138,710	282,420	144,510	141,290	285,790	24.5	11.6	17.8

Table 1.3.10: Projected Non Māori Population Aged 35-39 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	15,770	16,760	32,530	16,060	17,090	33,160	18,050	18,820	36,880	22,810	23,360	46,170	22,890	21,940	44,830	45.1	30.9	37.8
New Zealand	129,200	140,820	270,010	117,580	127,670	245,250	118,330	125,130	243,460	135,710	137,610	273,320	147,330	142,400	289,730	14.0	1.1	7.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	15,530	15,990	31,520	15,660	16,790	32,450	15,690	16,950	32,650	17,610	18,460	36,060	22,350	22,990	45,340	43.9	43.8	43.8
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 (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
Auckland	13,670	14,060	27,730	15,050	15,510	30,560	14,890	15,930	30,810	15,260	16,580	31,840	17,170	18,080	35,250	25.6	28.6	27.1
New Zealand	132,360	137,450	269,810	134,800	143,200	278,000	131,610	142,740	274,340	122,310	133,380	255,680	119,970	126,730	246,710	-	9.4	- 7.8

Table 1.3.13: Projected Non Māori Population Aged 50-54 Years by Sex at 30 June 2007 (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
Auckland	11,570	11,980	23,560	13,260	13,780	27,050	14,420	14,860	29,280	14,270	15,310	29,580	14,660	15,960	30,620	26.7	33.2	30.0
New Zealand	117,000	119,790	236,790	133,190	139,210	272,400	134,760	142,840	277,600	129,460	140,770	270,240	120,340	131,560	251,910	2.9	9.8	6.4

Table 1.3.14: Projected Non Māori Population Aged 55-59 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	10,050	10,080	20,130	11,110	11,480	22,590	12,250	12,680	24,930	13,650	14,170	27,820	13,530	14,630	28,160	34.6	45.1	39.9
New Zealand	110,010	112,070	222,080	117,050	121,110	238,170	127,660	133,710	261,370	132,020	140,920	272,940	126,980	139,020	266,000	15.4	24.0	19.8

Table 1.3.15: Projected Non Māori Population Aged 60-64 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	7,250	7,400	14,660	9,340	9,520	18,860	10,010	10,590	20,600	11,480	12,000	23,480	12,860	13,480	26,350	77.4	82.2	79.7
New Zealand	85,130	87,400	172,530	106,870	110,450	217,310	111,830	116,770	228,590	124,870	132,090	256,960	129,380	139,370	268,750	52.0	59.5	55.8

Table 1.3.16: Projected Non Māori Population Aged 65-69 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	5,670	5,960	11,630	6,860	7,210	14,050	8,410	8,760	17,170	9,210	9,940	19,160	10,650	11,330	21,980	87.8	90.1	89.0
New Zealand	70,210	73,980	144,180	86,880	90,720	177,580	103,140	108,210	211,350	108,050	114,360	222,420	121,010	129,590	250,600	72.4	75.2	73.8

Table 1.3.17: Projected Non Māori Population Aged 70-74 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	3,960	4,390	8,350	5,090	5,550	10,640	5,660	6,090	11,750	7,480	7,980	15,460	8,280	9,130	17,420	109.1	108.0	108.6
New Zealand	54,030	59,010	113,030	68,560	74,000	142,560	76,460	81,690	158,150	96,610	103,380	199,980	101,850	109,730	211,580	88.5	86.0	87.2

Table 1.3.18: Projected Non Māori Population Aged 75-79 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	3,370	4,070	7,430	3,250	3,720	6,970	4,030	4,490	8,510	4,780	5,280	10,070	6,440	7,060	13,490	91.1	73.5	81.6
New Zealand	45,760	53,650	99,400	47,690	54,630	102,320	57,160	64,360	121,520	67,620	75,070	142,700	86,080	95,520	181,610	88.1	78.0	82.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	2,310	3,580	5,890	2,460	3,130	5,590	2,410	2,920	5,330	3,140	3,690	6,840	3,800	4,410	8,210	64.5	23.2	39.4
New Zealand	29,400	42,770	72,170	35,490	44,760	80,250	36,680	45,110	81,790	45,810	55,070	100,870	54,870	64,890	119,760	86.6	51.7	65.9

Table 1.3.20: Projected Non Māori Population Aged 85-89 Years by Sex at 30 June 2007 (2006-Base)

	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
Auckland	1,170	2,450	3,620	1,490	2,640	4,130	1,620	2,480	4,100	1,620	2,270	3,880	2,080	2,740	4,810	77.8	11.8	32.9
New Zealand	12,880	25,390	38,270	18,800	30,210	49,000	22,090	31,810	53,910	23,840	32,800	56,640	30,730	41,000	71,730	138.6	61.5	87.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Auckland	500	1,600	2,110	580	1,520	2,090	700	1,560	2,260	850	1,570	2,420	1,010	1,640	2,650	102.0	2.5	25.6
New Zealand	4,970	13,880	18,860	7,320	17,400	24,720	9,600	20,140	29,740	12,710	22,810	35,510	14,910	24,740	39,650	200.0	78.2	110.2

Table 1.3.22: Projected Non Māori Population by Sex at 30 June 2007 (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
Auckland	192,600	200,800	393,400	211,200	217,200	428,500	223,500	228,600	452,100	239,500	243,900	483,400	255,000	259,000	514,000	32.4	29.0	30.7
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
Auckland	Number	13,368	12,588	13,239	14,118	18,861	17,172	16,920	15,942	15,801
	Percentage	6.8	6.4	6.7	7.2	9.6	8.7	8.6	8.1	8.0
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
Auckland	Number	13,779	11,505	9,987	7,140	5,562	3,951	3,318	2,277	1,662	197,199
	Percentage	7.0	5.8	5.1	3.6	2.8	2.0	1.7	1.2	0.8	
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
Auckland	Number	12,690	11,859	12,348	14,256	20,016	18,267	18,255	17,250	16,569
	Percentage	6.1	5.7	6.0	6.9	9.6	8.8	8.8	8.3	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
Auckland	Number	14,376	12,036	10,122	7,377	5,907	4,341	4,104	3,630	4,017	207,420
	Percentage	6.9	5.8	4.9	3.6	2.8	2.1	2.0	1.8	1.9	
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
Auckland	Number	26,055	24,447	25,590	28,374	38,877	35,436	35,178	33,189	32,376
	Percentage	6.4	6.0	6.3	7.0	9.6	8.8	8.7	8.2	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
Auckland	Number	28,152	23,541	20,112	14,517	11,469	8,289	7,422	5,910	5,679	404,619
	Percentage	7.0	5.8	5.0	3.6	2.8	2.0	1.8	1.5	1.4	
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	
	Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,500	12.4	32,355	25.1	10,608	87.6	96,579	74.9	12,108	95.4	128,934	95.7	582	4.6	5,760	4.3	12,690	134,697
5–9	1,335	11.8	32,544	24.2	10,014	88.2	101,832	75.8	11,349	95.7	134,376	96.0	510	4.3	5,577	4.0	11,859	139,956
10–14	1,362	11.5	32,379	22.6	10,500	88.5	110,901	77.4	11,862	96.0	143,280	96.2	489	4.0	5,613	3.8	12,351	148,896
15–19	1,551	11.5	29,502	20.8	11,979	88.5	112,365	79.2	13,530	94.9	141,867	96.0	729	5.1	5,895	4.0	14,256	147,759
20–24	1,557	8.4	22,434	17.4	16,980	91.6	106,608	82.6	18,537	92.6	129,042	95.0	1,476	7.4	6,849	5.0	20,013	135,891
25–29	1,434	8.4	20,529	17.2	15,579	91.6	98,604	82.8	17,013	93.2	119,133	95.1	1,254	6.9	6,090	4.9	18,264	125,226
30–34	1,293	7.5	21,384	15.3	15,957	92.5	118,290	84.7	17,250	94.5	139,674	95.9	1,008	5.5	6,000	4.1	18,258	145,677
35–39	1,170	7.1	20,790	13.6	15,273	92.9	131,550	86.4	16,443	95.3	152,340	96.1	804	4.7	6,210	3.9	17,250	158,553
40–44	1,086	6.9	19,905	12.7	14,706	93.1	136,773	87.3	15,792	95.3	156,678	96.2	777	4.7	6,120	3.8	16,569	162,798
45–49	951	7.0	16,926	11.7	12,726	93.0	127,536	88.3	13,677	95.1	144,462	96.1	696	4.8	5,907	3.9	14,376	150,369
50–54	708	6.2	12,597	10.2	10,764	93.8	110,826	89.8	11,472	95.3	123,423	96.1	561	4.7	4,998	3.9	12,036	128,421
55–59	555	5.8	9,762	8.6	9,066	94.2	104,037	91.4	9,621	95.1	113,799	96.2	501	4.9	4,548	3.8	10,122	118,347
60–64	363	5.2	6,717	7.6	6,681	94.8	81,159	92.4	7,044	95.5	87,876	96.3	333	4.5	3,405	3.7	7,377	91,278
65–69	279	5.0	5,310	7.2	5,334	95.0	68,244	92.8	5,613	95.0	73,554	96.2	297	5.0	2,880	3.8	5,907	76,434
70–74	183	4.4	3,471	5.9	3,960	95.6	55,368	94.1	4,143	95.5	58,839	96.4	198	4.6	2,217	3.6	4,338	61,059
75–79	108	2.8	2,190	4.1	3,804	97.2	50,607	95.9	3,912	95.3	52,797	96.2	192	4.7	2,058	3.8	4,104	54,855
80–84	60	1.7	1,074	2.6	3,402	98.3	40,437	97.4	3,462	95.3	41,511	96.3	171	4.7	1,605	3.7	3,633	43,116
85 and over	45	1.2	609	1.6	3,780	98.8	37,002	98.4	3,825	95.2	37,611	96.4	192	4.8	1,389	3.6	4,017	39,000
Total	15,543	7.9	290,469	14.7	181,113	92.1	1,688,736	85.3	196,656	94.8	1,979,205	96.0	10,764	5.2	83,124	4.0	207,420	2,062,326

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	
	Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	1,542	12.1	34,071	25.3	11,211	87.9	100,671	74.7	12,753	95.4	134,742	96.0	615	4.6	5,640	4.0	13,368	140,382
5–9	1,479	12.2	34,230	24.2	10,617	87.8	106,974	75.8	12,096	96.1	141,204	96.4	495	3.9	5,331	3.6	12,588	146,535
10–14	1,515	11.9	34,347	22.7	11,172	88.1	117,129	77.3	12,687	95.8	151,476	96.4	552	4.2	5,637	3.6	13,239	157,113
15–19	1,362	10.2	29,031	19.9	11,949	89.8	117,156	80.1	13,311	94.3	146,187	95.9	807	5.7	6,252	4.1	14,118	152,436
20–24	1,266	7.3	20,337	16.0	15,972	92.7	107,127	84.0	17,238	91.4	127,464	94.4	1,623	8.6	7,623	5.6	18,864	135,087
25–29	1,236	7.8	17,577	15.9	14,637	92.2	92,970	84.1	15,873	92.4	110,547	94.3	1,299	7.6	6,669	5.7	17,172	117,216
30–34	1,182	7.4	18,075	14.5	14,688	92.6	106,272	85.5	15,870	93.8	124,347	95.0	1,050	6.2	6,540	5.0	16,920	130,884
35–39	1,005	6.7	17,808	13.1	14,022	93.3	118,554	86.9	15,027	94.3	136,362	95.4	912	5.7	6,639	4.6	15,942	143,001
40–44	1,023	6.9	17,367	12.0	13,899	93.1	126,945	88.0	14,922	94.4	144,312	95.6	879	5.6	6,588	4.4	15,801	150,900
45–49	837	6.4	14,979	10.9	12,249	93.6	122,079	89.1	13,086	95.0	137,058	95.8	693	5.0	5,994	4.2	13,779	143,055
50–54	612	5.6	11,595	9.7	10,290	94.4	107,670	90.3	10,902	94.8	119,265	95.9	606	5.3	5,046	4.1	11,505	124,308
55–59	444	4.7	8,868	8.0	8,982	95.3	101,742	92.0	9,426	94.4	110,610	96.0	561	5.6	4,614	4.0	9,990	115,224
60–64	312	4.6	6,096	7.2	6,477	95.4	78,822	92.8	6,789	95.0	84,918	96.1	351	4.9	3,420	3.9	7,143	88,335
65–69	246	4.7	4,848	7.0	5,031	95.3	64,494	93.0	5,277	94.9	69,342	96.2	282	5.1	2,769	3.8	5,559	72,114
70–74	141	3.7	3,039	5.7	3,624	96.3	50,718	94.3	3,765	95.3	53,757	96.2	186	4.7	2,121	3.8	3,951	55,878
75–79	63	2.0	1,620	3.6	3,072	98.0	42,957	96.4	3,135	94.5	44,577	96.2	183	5.5	1,782	3.8	3,318	46,359
80–84	30	1.4	693	2.5	2,085	98.6	27,219	97.5	2,115	92.8	27,912	95.8	162	7.1	1,212	4.2	2,280	29,124
85 and over	15	1.0	279	1.7	1,557	99.0	16,599	98.3	1,572	94.6	16,878	95.5	93	5.6	789	4.5	1,662	17,667
Total	14,304	7.7	274,860	14.6	171,543	92.3	1,606,098	85.4	185,847	94.2	1,880,958	95.7	11,352	5.8	84,660	4.3	197,199	1,965,621

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	
	Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland		New Zealand		Auckland	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	3,045	12.2	66,426	25.2	21,816	87.8	197,250	74.8	24,861	95.4	263,676	95.9	1,197	4.6	11,400	4.1	26,058	275,079
5–9	2,814	12.0	66,774	24.2	20,631	88.0	208,806	75.8	23,445	95.9	275,580	96.2	1,002	4.1	10,908	3.8	24,447	286,488
10–14	2,877	11.7	66,726	22.6	21,672	88.3	228,030	77.4	24,549	95.9	294,756	96.3	1,041	4.1	11,253	3.7	25,590	306,009
15–19	2,916	10.9	58,533	20.3	23,922	89.1	229,521	79.7	26,838	94.6	288,054	96.0	1,536	5.4	12,144	4.0	28,374	300,198
20–24	2,820	7.9	42,771	16.7	32,958	92.1	213,735	83.3	35,778	92.0	256,506	94.7	3,099	8.0	14,472	5.3	38,877	270,978
25–29	2,670	8.1	38,106	16.6	30,216	91.9	191,577	83.4	32,886	92.8	229,683	94.7	2,553	7.2	12,759	5.3	35,439	242,442
30–34	2,472	7.5	39,459	14.9	30,645	92.5	224,562	85.1	33,117	94.1	264,021	95.5	2,058	5.9	12,540	4.5	35,175	276,561
35–39	2,172	6.9	38,598	13.4	29,301	93.1	250,104	86.6	31,473	94.8	288,702	95.7	1,716	5.2	12,852	4.3	33,192	301,554
40–44	2,109	6.9	37,272	12.4	28,605	93.1	263,718	87.6	30,714	94.9	300,990	95.9	1,659	5.1	12,708	4.1	32,376	313,698
45–49	1,788	6.7	31,908	11.3	24,978	93.3	249,612	88.7	26,766	95.1	281,520	95.9	1,389	4.9	11,901	4.1	28,152	293,421
50–54	1,323	5.9	24,192	10.0	21,048	94.1	218,496	90.0	22,371	95.0	242,688	96.0	1,167	5.0	10,044	4.0	23,541	252,732
55–59	999	5.2	18,630	8.3	18,048	94.8	205,779	91.7	19,047	94.7	224,409	96.1	1,062	5.3	9,162	3.9	20,112	233,574
60–64	675	4.9	12,816	7.4	13,161	95.1	159,975	92.6	13,836	95.3	172,791	96.2	681	4.7	6,825	3.8	14,517	179,616
65–69	525	4.8	10,158	7.1	10,365	95.2	132,741	92.9	10,890	95.0	142,899	96.2	579	5.0	5,646	3.8	11,469	148,548
70–74	324	4.1	6,510	5.8	7,584	95.9	106,086	94.2	7,908	95.4	112,596	96.3	381	4.6	4,338	3.7	8,292	116,934
75–79	168	2.4	3,807	3.9	6,879	97.6	93,567	96.1	7,047	95.0	97,374	96.2	375	5.1	3,840	3.8	7,419	101,214
80–84	90	1.6	1,764	2.5	5,487	98.4	67,659	97.5	5,577	94.4	69,423	96.1	333	5.6	2,814	3.9	5,910	72,240
85 and over	60	1.1	888	1.6	5,334	98.9	53,604	98.4	5,394	95.0	54,492	96.2	288	5.1	2,178	3.8	5,679	56,670
Total	29,847	7.8	565,326	14.6	352,653	92.2	3,294,837	85.4	382,500	94.5	3,860,163	95.8	22,119	5.5	167,784	4.2	404,619	4,027,947

All figures are for the census usually resident population.

* Percentages are calculated using 'Total People Stated' as the denominator.

**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
Auckland	Number	228,207	7,089	29,067	22,635	9,135	3,798	69,966	11,328	153,021	23,391	404,619
	Percentage	56.4	1.8	7.2	5.6	2.3	0.9	17.3	2.8	37.8	5.8	
New Zealand	Number	2,960,217	62,742	135,852	251,688	68,067	26,940	251,130	83,121	879,546	188,187	4,027,947
	Percentage	73.5	1.6	3.4	6.2	1.7	0.7	6.2	2.1	21.8	4.7	

All figures are for the census usually resident population.

(1) Includes Australian Territories.

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

includes Inadequately Described and Not Stated.

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

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

Table 1.5.1: Legal Marital Status (2006 Census)

		Legal Marital Status						
Location	Unit	Never married and never joined in a civil union	Married (not separated)	Separated(2)	Divorced	Widowed or bereaved civil union partner	Not elsewhere included(3)	Total
Auckland	Number	122,745	128,250	9,801	21,774	14,070	31,887	328,524
	Percentage	37.4	39.0	3.0	6.6	4.3	9.7	
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											
Location	Unit	Partnered				Non-partnered						Not stated	Total
		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		
Auckland	Number	4,968	123,069	40,605	168,645	11,259	87,885	7,437	14,430	11,940	132,951	26,931	328,524
	Percentage	2.9	73.0	24.1	55.9	8.5	66.1	5.6	10.9	9.0	44.1		
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
Auckland	Number	37,980	43,740	17,787	99,510
	Percentage	38.0	44.0	18.0	
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
Auckland	Number	88,770	4,722	420	11,757	33,132	4,182	142,983
	Percentage	62.1	3.3	0.3	8.2	23.2	2.9	
New Zealand	Number	985,542	37,083	2,526	72,657	328,299	28,065	1,454,175
	Percentage	67.8	2.6	0.2	5.0	22.6	1.9	

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

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

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

Table 1.5.5: Number of Languages Spoken (2006 Census)

		Number of Languages Spoken								
Location	Unit	None	One	Two	Three	Four	Five	Six	Not elsewhere included(2)	Total
Auckland	Number	8,280	255,417	92,199	18,045	3,996	1,077	282	25,323	404,619
	Percentage	2.0	63.1	22.8	4.5	1.0	0.3	0.1	6.3	
New Zealand	Number	75,198	3,083,904	562,446	83,400	19,281	5,055	1,476	197,190	4,027,947
	Percentage	1.9	76.6	14.0	2.1	0.5	0.1	0.0	4.9	

(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
Auckland	No children	12,312	18.5	15,813	23.7	12,318	18.5	8,805	13.2	4,806	7.2
	One child	225	1.1	1,101	5.3	2,100	10.1	3,681	17.7	3,402	16.4
	Two children	30	0.1	354	1.1	1,044	3.2	2,643	8.0	4,689	14.3
	Three children	3	0.0	90	0.5	372	2.1	804	4.6	1,746	9.9
	Four children	6	0.1	24	0.3	132	1.8	312	4.2	576	7.8
	Five children	-	-	3	0.1	57	1.8	138	4.4	246	7.8
	Six or more children	-	-	9	0.3	21	0.7	84	2.8	210	6.9
	Object to answering	189	5.0	264	6.9	273	7.2	315	8.3	360	9.5
	Not elsewhere included(2)	1,485	9.7	2,352	15.4	1,944	12.7	1,476	9.6	1,224	8.0
	Total	14,256	8.4	20,016	11.7	18,264	10.7	18,255	10.7	17,250	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
Auckland	No children	3,159	4.7	2,478	3.7	1,854	2.8	1,416	2.1	882	1.3
	One child	2,883	13.9	2,100	10.1	1,602	7.7	1,152	5.6	672	3.2
	Two children	5,349	16.3	4,530	13.8	3,819	11.6	3,213	9.8	2,232	6.8
	Three children	2,274	12.9	2,349	13.4	2,154	12.3	2,022	11.5	1,503	8.5
	Four children	762	10.3	861	11.6	810	10.9	705	9.5	675	9.1
	Five children	294	9.3	300	9.5	306	9.7	294	9.3	282	9.0
	Six or more children	240	7.9	261	8.6	243	8.0	225	7.4	276	9.1
	Object to answering	435	11.4	390	10.3	345	9.1	297	7.8	246	6.5
	Not elsewhere included(2)	1,176	7.7	1,104	7.2	900	5.9	801	5.2	609	4.0
	Total	16,572	9.7	14,376	8.4	12,036	7.1	10,125	5.9	7,377	4.3
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
Auckland	No children	663	1.0	486	0.7	513	0.8	513	0.8	618	0.9	66,639
	One child	435	2.1	327	1.6	306	1.5	318	1.5	444	2.1	20,748
	Two children	1,515	4.6	882	2.7	819	2.5	795	2.4	918	2.8	32,841
	Three children	1,227	7.0	894	5.1	804	4.6	675	3.8	660	3.8	17,583
	Four children	672	9.1	597	8.0	531	7.2	405	5.5	354	4.8	7,425
	Five children	273	8.7	270	8.6	300	9.5	204	6.5	180	5.7	3,147
	Six or more children	348	11.5	354	11.7	333	11.0	258	8.5	174	5.7	3,036
	Object to answering	207	5.4	135	3.6	126	3.3	117	3.1	105	2.8	3,801
	Not elsewhere included(2)	561	3.7	390	2.5	369	2.4	348	2.3	564	3.7	15,303
	Total	5,910	3.5	4,338	2.5	4,104	2.4	3,633	2.1	4,017	2.4	170,523
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
Auckland	Number	22,794	112,062	33,660	7,677	12,606	8,277	15,816	139,131	18,870	158,004
	Percentage	14.4	70.9	21.3	4.9	8.0	5.2	10.0			
New Zealand	Number	196,767	1,122,597	372,858	86,427	155,106	88,233	188,835	1,362,123	159,465	1,521,591
	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
Auckland	Number	15,861	132,378	47,073	11,007	23,697	14,190	20,703	151,782	18,738	170,523
	Percentage	9.3	77.6	27.6	6.5	13.9	8.3	12.1			
New Zealand	Number	124,485	1,324,236	525,054	134,799	305,037	170,472	248,406	1,480,929	157,854	1,638,783
	Percentage	7.6	80.8	32.0	8.2	18.6	10.4	15.2			

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

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

(3) Includes Response Unidentifiable and Not Stated.

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

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

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

		Unpaid Activity: Total									
Location	Unit	No activities	Household work, cooking, repairs, gardening, etc, for own household	Looking after a child who is a member of own household	Looking after a member of own household who is ill or has a disability	Looking after a child who does not live in own household	Helping someone who is ill or has a disability who does not live in own household	Other helping or voluntary work for or through any organisation, group or marae	Total people stated	Total people, not elsewhere included(3)	Total people
Auckland	Number	38,661	244,443	80,730	18,684	36,306	22,467	36,519	290,916	37,608	328,527
	Percentage	11.8	74.4	24.6	5.7	11.1	6.8	11.1			
New Zealand	Number	321,252	2,446,833	897,915	221,226	460,143	258,705	437,241	2,843,052	317,319	3,160,374
	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
Auckland	Number	44,037	25,986	23,766	23,925	29,541	11,352	19,794
	Percentage	13.4	7.9	7.2	7.3	9.0	3.5	6.0
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
Auckland	Number	12,618	16,095	59,868	9,462	13,347	2,979	35,754	328,524
	Percentage	3.8	4.9	18.2	2.9	4.1	0.9	10.9	
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
Auckland	Number	2,070	21,039	24,201	22,542	26,799	19,836	17,310	17,676
	Percentage	0.6	6.4	7.4	6.9	8.2	6.0	5.3	5.4
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
Auckland	Number	17,856	19,800	27,723	33,111	18,744	21,021	38,799	328,524
	Percentage	5.4	6.0	8.4	10.1	5.7	6.4	11.8	
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
Auckland	Number	25,119	182,994	49,662	76,089	2,418	30,246	6,021
	Percentage	7.6	55.7	15.1	23.2	0.7	9.2	1.8
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
Auckland	Number	9,801	7,500	6,177	5,244	9,894	8,907	9,198	26,667	328,524
	Percentage	3.0	2.3	1.9	1.6	3.0	2.7	2.8	8.1	
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
Auckland	Number	160,437	42,087	202,527	12,279	214,803	97,629	16,092	328,524
	Percentage	79.2	20.8	94.3	5.7	65.4	29.7	4.9	
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)	Total
Auckland	Number	36,516	56,049	19,491	14,481	25,770	20,235	8,127	11,361	10,497	202,524
	Percentage	18.0	27.7	9.6	7.2	12.7	10.0	4.0	5.6	5.2	
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404	1,985,775
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7	

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

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

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

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

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

Table 1.6.6: Access to Telecommunications (2006 Census)

Location	Unit	Type of Telecommunication							
		Access to a cellphone / mobile phone	Access to a telephone	Access to a fax machine	Access to the Internet	No access to telecommunication systems	Total households stated	Total households, not elsewhere included(3)	Total households
Auckland	Number	101,775	123,927	36,495	90,177	2,619	134,346	8,634	142,983
	Percentage	71.2	86.7	25.5	63.1	1.8	94.0	6.0	
New Zealand	Number	1,034,529	1,277,325	362,040	843,738	28,407	1,393,707	60,468	1,454,175
	Percentage	71.1	87.8	24.9	58.0	2.0	95.8	4.2	

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

(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					
		No motor vehicle	One motor vehicle	Two motor vehicles	Three or more motor vehicles	Not elsewhere included(2)	Total
Auckland	Number	14,046	51,909	49,377	19,203	8,448	142,983
	Percentage	9.8	36.3	34.5	13.4	5.9	
New Zealand	Number	112,758	527,844	531,627	222,204	59,745	1,454,175
	Percentage	7.8	36.3	36.6	15.3	4.1	

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

(2) 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)
Auckland	Number	1,788	30,618	22,539	54,945
	Percentage	3.3	55.7	41.0	
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)
Auckland	Number	522	52,944	4,428	57,894
	Percentage	0.9	91.4	7.6	
New Zealand	Number	6,315	388,275	57,378	451,965
	Percentage	1.4	85.9	12.7	

		Housing Tenure					
		Dwelling held in a family trust by usual resident(s) ⁽²⁾				Not elsewhere included ⁽³⁾	Total
Location	Unit	Mortgage arrangements not further defined	Mortgage payments made by usual residents	Mortgage payments not made by usual residents	Total, dwelling held in a family trust by usual resident(s)		
Auckland	Number	1,272	9,963	7,800	19,035	11,109	142,983
	Percentage	6.7	52.3	41.0			
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
Auckland	Female	223.5	24.3 - 422.7	71.0	39.4 - 102.6	81.0	48.5 - 113.5
	Male	277.6	43.9 - 511.3	113.2	73.3 - 153.2	125.3	84.2 - 166.5
	Total	250.0	96.9 - 403.0	91.8	66.4 - 117.2	102.8	76.6 - 128.9
New Zealand	Female	214.6	168.7 - 260.5	74.2	63.5 - 84.8	88.9	78.2 - 99.6
	Male	308.9	251.4 - 366.5	122.9	109.1 - 136.7	142.4	128.6 - 156.1
	Total	259.8	223.3 - 296.3	98.1	89.4 - 106.8	115.1	106.4 - 123.8

Table 2.1.2: All cardiovascular disease mortality, all ages, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	62.7	-35.5 - 161.0	34.6	19.7 - 49.6	36.3	21.4 - 51.2
	Male	133.7	-31.7 - 299.1	60.4	38.5 - 82.2	64.1	41.8 - 86.4
	Total	93.4	3.6 - 183.3	46.9	33.9 - 59.9	49.5	36.4 - 62.7
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
Auckland	Female	58.1	-4.8 - 121.0	31.8	23.4 - 40.2	33.4	24.8 - 42.0
	Male	142.3	29.0 - 255.5	78.8	62.0 - 95.5	81.9	65.1 - 98.7
	Total	94.1	34.3 - 153.9	53.7	44.6 - 62.8	56.0	46.8 - 65.1
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
Auckland	Female	26.5	-19.1 - 72.0	25.4	18.1 - 32.8	26.0	18.5 - 33.5
	Male	40.6	-20.0 - 101.2	28.8	19.5 - 38.1	29.8	20.4 - 39.2
	Total	32.9	-3.7 - 69.5	27.5	21.6 - 33.4	28.3	22.3 - 34.2
New Zealand	Female	42.1	29.2 - 54.9	23.6	21.3 - 25.9	25.3	22.9 - 27.6
	Male	36.6	23.1 - 50.1	24.6	22.0 - 27.2	25.9	23.3 - 28.5
	Total	40.1	30.7 - 49.4	24.3	22.6 - 26.0	25.8	24.0 - 27.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	120.6	-20.4 - 261.6	54.6	31.3 - 78.0	58.6	35.0 - 82.1
	Male	101.7	-41.0 - 244.4	60.8	36.7 - 84.9	63.1	39.2 - 87.0
	Total	111.5	11.8 - 211.1	56.9	40.2 - 73.5	60.0	43.3 - 76.7
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
Auckland	Female	79.8	3.1 - 156.5	21.2	12.1 - 30.3	24.3	14.7 - 33.8
	Male	81.5	-3.9 - 166.9	23.5	14.1 - 32.8	26.3	16.5 - 36.1
	Total	80.9	23.7 - 138.1	22.1	15.6 - 28.5	25.0	18.2 - 31.8
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
Auckland	Female	51.7	-10.8 - 114.2	24.8	14.1 - 35.4	26.3	15.7 - 37.0
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
Auckland	Male	0.0	0.0 - 0.0	11.0	5.3 - 16.6	11.2	5.6 - 16.8
New Zealand	Male	24.6	13.5 - 35.8	15.5	13.6 - 17.5	16.0	14.1 - 18.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	0.0	0.0 - 0.0	2.0	-1.3 - 5.4	2.1	-1.1 - 5.4
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
Auckland	Female	24.9	-19.2 - 68.9	14.3	7.1 - 21.6	15.1	7.8 - 22.3
	Male	21.6	-24.0 - 67.3	20.8	11.9 - 29.7	20.8	12.1 - 29.5
	Total	22.3	-7.9 - 52.5	17.4	11.7 - 23.1	17.8	12.2 - 23.4
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
Auckland	Female	0.0	0.0 - 0.0	2.9	-0.3 - 6.1	2.8	-0.3 - 5.8
	Male	0.0	0.0 - 0.0	9.2	3.2 - 15.2	8.8	3.1 - 14.5
	Total	0.0	0.0 - 0.0	5.8	2.5 - 9.1	5.5	2.4 - 8.7
New Zealand	Female	2.0	-0.8 - 4.8	4.7	3.3 - 6.0	4.4	3.1 - 5.7
	Male	2.4	-1.0 - 5.7	10.2	8.1 - 12.3	9.7	7.7 - 11.6
	Total	2.2	0.0 - 4.4	7.3	6.0 - 8.5	6.8	5.7 - 8.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	20.7	-42.2 - 83.5	6.2	-3.9 - 16.3	7.6	-3.4 - 18.6
	Male	31.4	-45.3 - 108.2	10.1	-2.3 - 22.5	12.0	-1.1 - 25.0
	Total	25.6	-23.1 - 74.4	8.0	0.1 - 16.0	9.7	1.2 - 18.1
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
Auckland	Female	14.4	-31.6 - 60.3	4.2	-3.3 - 11.7	5.0	-2.8 - 12.8
	Male	16.9	-37.0 - 70.9	14.7	0.5 - 28.9	14.9	1.1 - 28.8
	Total	15.7	-19.7 - 51.1	9.3	1.4 - 17.3	9.9	2.0 - 17.7
New Zealand	Female	10.0	0.2 - 19.8	5.0	2.1 - 7.9	6.0	3.0 - 9.0
	Male	25.9	9.5 - 42.3	16.5	11.2 - 21.8	18.0	12.9 - 23.2
	Total	17.5	8.2 - 26.8	10.7	7.7 - 13.7	11.9	8.9 - 14.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	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
Auckland	Female	0.0	0.0 - 0.0	8.0	2.7 - 13.3	9.8	4.3 - 15.3
	Male	72.7	23.1 - 122.2	9.3	3.2 - 15.3	15.4	8.1 - 22.8
	Total	48.1	20.6 - 75.5	8.7	4.6 - 12.7	12.6	8.0 - 17.2
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
Auckland	Female	0.0	0.0 - 0.0	7.2	2.1 - 12.4	7.9	3.0 - 12.8
	Male	0.0	0.0 - 0.0	25.3	15.9 - 34.7	25.3	16.3 - 34.4
	Total	0.0	0.0 - 0.0	16.2	10.8 - 21.5	16.5	11.4 - 21.6
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
Auckland	Female	507.5	457.8 - 557.1	361.7	354.9 - 368.5	369.5	362.7 - 376.3
	Male	1053.2	966.1 - 1140.3	673.0	661.5 - 684.5	686.6	675.1 - 698.1
	Total	713.5	669.0 - 758.1	498.0	491.6 - 504.4	508.1	501.7 - 514.5
New Zealand	Female	893.9	878.3 - 909.5	394.7	392.6 - 396.7	422.3	420.2 - 424.4
	Male	1416.1	1393.1 - 1439.1	728.8	725.4 - 732.2	765.7	762.3 - 769.1
	Total	1123.8	1110.5 - 1137.0	545.4	543.5 - 547.3	577.2	575.2 - 579.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	0.0	0.0 - 0.0	283.5	277.7 - 289.2	279.2	273.6 - 284.8
	Male	0.0	0.0 - 0.0	291.6	284.4 - 298.8	289.6	282.5 - 296.7
	Total	131.0	112.0 - 150.0	292.6	288.0 - 297.1	289.2	284.8 - 293.7
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
Auckland	Female	414.6	368.5 - 460.6	151.3	145.5 - 157.2	161.7	155.7 - 167.6
	Male	436.7	382.8 - 490.5	212.3	205.2 - 219.5	221.9	214.7 - 229.1
	Total	430.7	395.3 - 466.2	177.9	173.3 - 182.4	187.8	183.2 - 192.4
New Zealand	Female	494.7	482.8 - 506.7	131.6	130.0 - 133.1	153.4	151.8 - 155.0
	Male	501.9	488.6 - 515.1	228.8	226.8 - 230.9	245.3	243.2 - 247.4
	Total	497.3	488.5 - 506.2	175.1	173.8 - 176.4	194.3	193.0 - 195.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	230.4	194.5 - 266.3	90.7	86.1 - 95.3	96.8	92.2 - 101.4
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
Auckland	Male	0.0	0.0 - 0.0	5.0	-0.7 - 10.6	5.1	-0.5 - 10.7
New Zealand	Male	11.1	0.0 - 22.3	7.0	5.1 - 9.0	7.3	5.3 - 9.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	0.0	0.0 - 0.0	2.6	2.2 - 3.0	2.6	2.1 - 3.0
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
Auckland	Female	0.0	0.0 - 0.0	106.0	101.6 - 110.4	106.6	102.3 - 110.9
	Male	0.0	0.0 - 0.0	188.7	182.0 - 195.4	187.4	180.8 - 194.0
	Total	123.8	104.5 - 143.2	144.9	141.0 - 148.9	144.4	140.6 - 148.3
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
Auckland	Female	0.0	0.0 - 0.0	25.4	23.2 - 27.6	24.5	22.4 - 26.6
	Male	0.0	0.0 - 0.0	74.0	69.9 - 78.2	71.5	67.5 - 75.6
	Total	0.0	0.0 - 0.0	46.6	44.3 - 48.8	44.9	42.8 - 47.1
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
Auckland	Female	622.3	564.8 - 679.9	126.0	121.5 - 130.5	148.3	143.3 - 153.4
	Male	341.1	287.7 - 394.5	213.8	207.5 - 220.1	215.9	209.7 - 222.2
	Total	475.5	438.0 - 513.0	160.3	156.6 - 164.0	172.9	169.1 - 176.8
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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Breast cancer (female only)	11.2	Breast cancer (female only)	10.7
	Lung cancer	9.3	Lung cancer	9.3
	Diabetes	6.2	Ischaemic heart disease	8.1
	Ischaemic heart disease	6.0	Colorectal cancer	5.9
	Complications of perinatal period	5.5	Diabetes	5.8
Male	Ischaemic heart disease	22.9	Ischaemic heart disease	27.3
	Suicide and self-inflicted injuries	13.1	Suicide and self-inflicted injuries	15.7
	Lung cancer	8.9	Motor vehicle accidents	12.3
	Diabetes	8.6	Lung cancer	10.8
	Complications of perinatal period	8.5	Diabetes	8.3
Total	Ischaemic heart disease	14.3	Ischaemic heart disease	17.4
	Lung cancer	9.1	Suicide and self-inflicted injuries	10.4
	Suicide and self-inflicted injuries	8.7	Lung cancer	10.0
	Diabetes	7.4	Motor vehicle accidents	8.6
	Complications of perinatal period	7.0	Diabetes	7.0

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	32.3	Ischaemic heart disease	51.4
	Lung cancer	31.5	Lung cancer	31.6
	Diabetes	26.4	Diabetes	26.8
	Complications of perinatal period	20.7	Motor vehicle accidents	17.8
	COPD	17.7	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	13.2	Ischaemic heart disease	14.3
	Suicide and self-inflicted injuries	8.2	Suicide and self-inflicted injuries	9.3
	Lung cancer	7.8	Lung cancer	8.1
	Diabetes	6.1	Motor vehicle accidents	6.7
	Colorectal cancer	5.5	Colorectal cancer	6.7

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	368.9	Ischaemic heart disease	418.5
	Stroke	224.4	Stroke	206.0
	CORD	175.8	CORD	172.8
	Lung cancer	161.7	Lung cancer	153.4
	Colorectal cancer	106.6	Colorectal cancer	131.3
Male	Ischaemic heart disease	683.3	Ischaemic heart disease	757.4
	CORD	223.5	Lung cancer	245.3
	Stroke	223.1	CORD	238.4
	Lung cancer	221.9	Stroke	207.5
	Colorectal cancer	187.4	Colorectal cancer	178.9
Total	Ischaemic heart disease	506.4	Ischaemic heart disease	571.4
	Stroke	229.3	Stroke	210.0
	CORD	190.9	CORD	197.9
	Lung cancer	187.8	Lung cancer	194.3
	Colorectal cancer	144.4	Colorectal cancer	152.9

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	713.5	Ischaemic heart disease	1109.6
	CORD	550.9	Lung cancer	497.3
	Lung cancer Diabetes	430.7	CORD	465.0
	Hypertensive disease	198.0	Diabetes	389.4
		134.0	Stroke	247.1
non-Māori	Ischaemic heart disease	496.2	Ischaemic heart disease	540.1
	Stroke	231.3	Stroke	207.2
	Lung cancer	177.9	CORD	182.8
	CORD	175.3	Lung cancer	175.1
	Colorectal cancer	144.9	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
Auckland	Female	5225.8	4176.3 - 6275.3	3307.6	3009.2 - 3606.0	3469.2	3182.7 - 3755.7
	Male	5151.3	4096.2 - 6206.5	3591.7	3287.4 - 3896.0	3710.7	3420.1 - 4001.4
	Total	5193.1	4449.3 - 5936.9	3450.7	3237.5 - 3663.9	3591.0	3386.8 - 3795.1
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
Auckland	Female	619.8	295.1 - 944.4	351.9	282.9 - 420.8	368.3	301.0 - 435.5
	Male	866.5	452.6 - 1280.3	578.5	493.9 - 663.2	597.8	514.5 - 681.1
	Total	739.0	479.2 - 998.8	461.4	407.1 - 515.6	479.0	425.9 - 532.2
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
Auckland	Female	294.1	147.6 - 440.7	123.6	102.0 - 145.1	133.0	111.2 - 154.9
	Male	344.9	173.1 - 516.6	353.6	313.5 - 393.6	354.5	315.4 - 393.6
	Total	319.8	207.4 - 432.3	235.4	212.9 - 257.9	240.5	218.4 - 262.6
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
Auckland	Female	144.6	43.1 - 246.1	90.2	72.1 - 108.2	93.4	75.5 - 111.4
	Male	206.5	71.7 - 341.2	138.1	114.4 - 161.8	142.7	119.0 - 166.3
	Total	174.8	91.9 - 257.8	113.3	98.6 - 128.1	117.2	102.5 - 131.9
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
Auckland	Female	443.7	165.3 - 722.1	289.7	224.1 - 355.2	300.9	237.2 - 364.5
	Male	335.5	78.1 - 592.9	276.9	215.2 - 338.7	278.5	220.0 - 337.1
	Total	389.8	201.2 - 578.4	281.4	236.4 - 326.3	287.7	244.6 - 330.9
New Zealand	Female	456.5	389.7 - 523.3	348.8	326.7 - 370.9	359.1	338.6 - 379.5
	Male	428.9	360.8 - 497.0	391.1	368.7 - 413.5	396.9	375.9 - 417.8
	Total	442.7	395.1 - 490.3	367.4	351.7 - 383.1	375.5	360.9 - 390.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	110.0	18.9 - 201.0	23.3	13.6 - 33.0	28.1	17.6 - 38.5
	Male	127.8	20.1 - 235.5	33.2	21.6 - 44.9	37.7	25.5 - 49.9
	Total	117.5	48.1 - 187.0	28.0	20.4 - 35.5	32.6	24.6 - 40.5
New Zealand	Female	136.6	112.7 - 160.5	38.6	34.8 - 42.4	46.7	42.7 - 50.7
	Male	121.7	97.7 - 145.8	46.7	42.7 - 50.7	52.5	48.4 - 56.6
	Total	128.9	112.0 - 145.7	42.2	39.4 - 44.9	49.1	46.3 - 52.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	124.9	27.4 - 222.4	70.8	52.4 - 89.2	74.7	56.3 - 93.1
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
Auckland	Male	19.6	-21.4 - 60.6	31.1	20.3 - 41.8	30.9	20.4 - 41.3
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
Auckland	Female	40.7	-14.5 - 95.9	12.5	4.3 - 20.7	14.2	5.8 - 22.7
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
Auckland	Female	47.7	-12.1 - 107.4	31.3	20.1 - 42.6	32.7	21.5 - 44.0
	Male	25.6	-24.2 - 75.5	35.7	23.3 - 48.0	35.2	23.3 - 47.1
	Total	36.0	-1.7 - 73.7	33.3	25.0 - 41.6	33.8	25.6 - 41.9
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
Auckland	Female	0.0	0.0 - 0.0	63.1	47.1 - 79.0	60.1	45.1 - 75.1
	Male	0.0	0.0 - 0.0	110.7	89.6 - 131.7	106.6	86.5 - 126.7
	Total	13.7	-10.5 - 38.0	84.7	71.6 - 97.7	81.1	68.8 - 93.5
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
Auckland	Female	1802.9	1171.3 - 2434.6	1409.5	1217.8 - 1601.2	1451.1	1267.6 - 1634.5
	Male	2952.3	2153.9 - 3750.7	2237.8	2002.7 - 2472.8	2303.0	2078.2 - 2527.8
	Total	2362.1	1856.3 - 2867.9	1824.5	1672.7 - 1976.4	1877.0	1731.8 - 2022.2
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
Auckland	Female	222.6	33.0 - 412.2	147.3	97.4 - 197.1	154.0	105.6 - 202.4
	Male	137.1	-12.9 - 287.1	81.6	46.8 - 116.4	86.2	52.0 - 120.4
	Total	180.3	59.4 - 301.2	114.5	84.1 - 144.9	120.2	90.6 - 149.9
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
Auckland	Female	1412.1	1209.3 - 1614.9	1067.8	1005.3 - 1130.3	1099.8	1040.2 - 1159.5
	Male	3419.6	3082.0 - 3757.3	2458.3	2363.1 - 2553.4	2545.5	2453.8 - 2637.3
	Total	2353.5	2161.9 - 2545.1	1758.4	1701.5 - 1815.2	1813.9	1759.4 - 1868.4
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
Auckland	Female	1709.3	1613.1 - 1805.6	918.9	905.1 - 932.7	956.4	942.6 - 970.3
	Male	1034.8	949.3 - 1120.3	1789.9	1768.4 - 1811.3	1761.1	1740.2 - 1781.9
	Total	1405.0	1339.9 - 1470.2	1325.7	1313.2 - 1338.2	1330.6	1318.4 - 1342.9
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
Auckland	Female	844.6	779.8 - 909.4	703.2	691.8 - 714.5	708.7	697.5 - 719.8
	Male	1285.8	1189.6 - 1382.1	1045.5	1029.7 - 1061.3	1055.1	1039.5 - 1070.7
	Total	1056.7	1000.7 - 1112.7	865.5	856.0 - 875.1	872.8	863.4 - 882.2
New Zealand	Female	1210.9	1192.6 - 1229.2	649.9	646.8 - 652.9	680.0	676.9 - 683.0
	Male	1008.7	989.8 - 1027.6	913.7	909.7 - 917.7	923.4	919.5 - 927.3
	Total	1137.9	1124.6 - 1151.2	772.5	770.0 - 774.9	793.1	790.7 - 795.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	542.8	488.2 - 597.5	150.8	144.9 - 156.7	169.3	163.1 - 175.5
	Male	572.9	509.5 - 636.4	240.1	232.3 - 247.9	251.6	243.8 - 259.4
	Total	548.6	507.8 - 589.5	191.4	186.6 - 196.2	206.2	201.3 - 211.1
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
Auckland	Female	0.0	0.0 - 0.0	248.6	240.6 - 256.6	241.9	234.2 - 249.6
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
Auckland	Male	0.0	0.0 - 0.0	8.7	0.9 - 16.4	8.6	1.0 - 16.2
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
Auckland	Female	0.0	0.0 - 0.0	29.3	26.5 - 32.2	28.6	25.9 - 31.3
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
Auckland	Female	0.0	0.0 - 0.0	202.6	196.0 - 209.1	199.4	193.1 - 205.8
	Male	0.0	0.0 - 0.0	263.3	255.2 - 271.3	259.6	251.8 - 267.4
	Total	129.5	109.3 - 149.7	230.9	225.8 - 236.0	227.4	222.4 - 232.3
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
Auckland	Female	0.0	0.0 - 0.0	406.4	397.4 - 415.4	395.6	387.0 - 404.2
	Male	0.0	0.0 - 0.0	832.8	819.2 - 846.5	810.8	797.5 - 824.0
	Total	133.6	112.8 - 154.4	591.4	583.4 - 599.3	575.0	567.4 - 582.6
New Zealand	Female	100.0	94.6 - 105.3	619.6	616.4 - 622.7	592.8	589.8 - 595.8
	Male	139.6	132.4 - 146.7	1161.9	1157.3 - 1166.4	1111.3	1107.0 - 1115.7
	Total	115.1	110.9 - 119.4	862.9	860.1 - 865.6	824.6	822.1 - 827.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	2337.3	2224.0 - 2450.6	548.5	537.5 - 559.4	633.9	622.2 - 645.7
	Male	3718.4	3552.0 - 3884.8	1027.8	1012.1 - 1043.5	1121.3	1105.1 - 1137.5
	Total	2859.0	2765.5 - 2952.4	760.9	751.5 - 770.3	849.0	839.2 - 858.8
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
Auckland	Female	287.0	114.2 - 459.9	127.7	98.4 - 157.0	137.1	107.6 - 166.5
	Male	359.7	151.8 - 567.5	134.1	103.3 - 165.0	146.7	115.5 - 177.9
	Total	322.9	188.7 - 457.1	130.5	109.3 - 151.8	141.4	120.0 - 162.9
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
Auckland	Female	15.4	-25.4 - 56.3	10.5	2.0 - 19.0	10.7	2.4 - 19.0
	Male	48.2	-27.8 - 124.1	7.6	0.8 - 14.4	9.6	2.1 - 17.2
	Total	30.6	-10.8 - 71.9	9.0	3.6 - 14.5	10.1	4.5 - 15.7
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
Auckland	Female	312.3	129.3 - 495.3	104.3	72.7 - 135.9	120.9	88.2 - 153.5
	Male	186.7	41.0 - 332.5	68.0	41.8 - 94.2	75.9	49.7 - 102.2
	Total	253.1	134.5 - 371.7	86.4	65.9 - 107.0	98.8	77.8 - 119.8
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
Auckland	Female	1031.0	864.9 - 1197.2	208.9	191.9 - 225.9	253.7	235.3 - 272.2
	Male	1434.8	1214.1 - 1655.5	304.7	284.3 - 325.0	354.8	333.1 - 376.5
	Total	1194.4	1062.1 - 1326.8	251.3	238.2 - 264.4	298.5	284.4 - 312.6
New Zealand	Female	1174.3	1132.4 - 1216.2	271.9	266.3 - 277.5	340.6	334.4 - 346.7
	Male	934.7	894.6 - 974.8	314.2	308.3 - 320.1	356.1	350.0 - 362.3
	Total	1057.1	1028.2 - 1086.0	288.8	284.7 - 292.8	344.4	340.0 - 348.7

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	623.5	370.1 - 877.0	488.1	403.2 - 572.9	504.9	424.2 - 585.6
	Male	850.5	565.3 - 1135.7	611.9	519.8 - 704.0	642.1	554.0 - 730.3
	Total	739.9	548.5 - 931.3	551.8	489.0 - 614.6	575.5	515.6 - 635.5
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
Auckland	Female	81.1	-9.1 - 171.4	73.4	40.8 - 106.0	74.3	43.6 - 105.0
	Male	108.1	7.1 - 209.0	99.2	62.3 - 136.2	100.4	65.7 - 135.1
	Total	94.9	27.0 - 162.7	86.7	61.9 - 111.4	87.7	64.5 - 111.0
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
Auckland	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	4.6	-3.3 - 12.5	4.0	-2.9 - 11.0
	Total	0.0	0.0 - 0.0	3.3	-1.5 - 8.1	3.7	-1.1 - 8.5
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
Auckland	Female	1028.1	697.7 - 1358.5	909.6	793.3 - 1026.0	924.4	814.6 - 1034.2
	Male	1325.0	963.9 - 1686.0	1202.9	1073.4 - 1332.3	1218.2	1096.2 - 1340.1
	Total	1182.5	936.7 - 1428.2	1060.5	973.2 - 1147.9	1075.8	993.4 - 1158.2
New Zealand	Female	662.4	606.4 - 718.4	619.9	589.1 - 650.8	630.7	603.6 - 657.7
	Male	882.6	819.7 - 945.5	869.6	834.2 - 905.0	872.9	842.0 - 903.8
	Total	775.6	733.3 - 817.8	747.8	724.3 - 771.4	754.9	734.3 - 775.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	1930.3	1832.5 - 2028.1	3158.5	3134.8 - 3182.1	3125.1	3102.1 - 3148.1
	Male	1382.3	1280.9 - 1483.7	2443.8	2421.1 - 2466.6	2415.4	2393.2 - 2437.6
	Total	1703.7	1633.6 - 1773.9	2857.4	2841.0 - 2873.8	2826.5	2810.5 - 2842.5
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
Auckland	Female	2148.0	2039.6 - 2256.5	1946.8	1925.4 - 1968.3	1954.3	1933.4 - 1975.3
	Male	1870.3	1755.9 - 1984.6	1788.0	1766.2 - 1809.8	1795.5	1774.1 - 1816.9
	Total	2045.0	1965.7 - 2124.3	1875.0	1859.7 - 1890.3	1883.1	1868.1 - 1898.1
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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	508.0	Respiratory infections	510.3
	Gastroenteritis	425.1	Gastroenteritis	371.2
	ENT infections	284.6	Dental conditions	301.5
	Cellulitis	279.1	ENT infections	265.7
	Asthma	265.7	Cellulitis	243.5
Male	Respiratory infections	535.8	Respiratory infections	570.2
	Gastroenteritis	396.3	Gastroenteritis	355.3
	ENT infections	346.3	ENT infections	331.7
	Angina	312.2	Dental conditions	319.0
	Asthma	289.4	Angina	300.1
Total	Respiratory infections	522.7	Respiratory infections	541.0
	Gastroenteritis	411.3	Gastroenteritis	363.7
	ENT infections	316.5	Dental conditions	310.3
	Asthma	278.5	ENT infections	299.6
	Angina	259.1	Angina	258.9

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	724.8	Respiratory infections	742.2
	ENT infections	461.0	Dental conditions	441.6
	Asthma	438.7	Asthma	356.4
	Gastroenteritis	401.9	ENT infections	355.9
	Angina	357.5	Angina	329.4
non-Māori	Respiratory infections	503.7	Respiratory infections	500.0
	Gastroenteritis	414.5	Gastroenteritis	379.7
	ENT infections	297.3	ENT infections	283.8
	Asthma	261.8	Dental conditions	271.8
	Angina	252.4	Angina	250.3

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Angina	1315.6	Persons encountering health services for specific procedures and health care	1802.8
	Respiratory infections	1157.5	Angina	1499.8
	Other forms of heart disease	953.0	Respiratory infections	1132.4
	Diabetes	895.4	CORD	968.0
	CORD	753.9	Other forms of heart disease	955.6
Male	Respiratory infections	1777.0	Persons encountering health services for specific procedures and health care	2367.0
	Angina	1677.2	Angina	1956.7
	Other forms of heart disease	1185.3	Respiratory infections	1721.7
	CORD	1169.9	Ischaemic heart disease	1550.1
	Complications of surgical and medical care, not elsewhere classified	1140.7	Other forms of heart disease	1232.4
Total	Angina	1483.8	Persons encountering health services for specific procedures and health care	2059.9
	Respiratory infections	1421.2	Angina	1712.2
	Other forms of heart disease	1060.9	Respiratory infections	1388.0
	Diabetes	950.9	Ischaemic heart disease	1148.7
	CORD	935.9	Other forms of heart disease	1084.0

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	CORD	3063.9	Persons encountering health services for specific procedures and health care	7454.5
	Respiratory infections	2355.6	CORD	2912.0
	Diabetes	2236.2	Respiratory infections	2597.3
	Angina	1768.1	Diabetes	2074.3
	Complications of surgical and medical care, not elsewhere classified	1304.7	Angina	1943.8
non-Māori	Angina	1473.6	Persons encountering health services for specific procedures and health care	1705.0
	Respiratory infections	1383.2	Angina	1698.8
	Other forms of heart disease	1072.3	Respiratory infections	1319.4
	Diabetes	895.9	Ischaemic heart disease	1133.2
	Complications of surgical and medical care, not elsewhere classified	888.3	Other forms of heart disease	1069.6

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Persons encountering health services for specific procedures and health care	630.4	Dental conditions	660.6
	Respiratory infections	532.2	Respiratory infections	622.0
	Dental conditions	518.2	ENT infections	380.4
	Injuries to the elbow and forearm	439.2	Injuries to the elbow and forearm	337.0
	ENT infections	414.2	Persons encountering health services for specific procedures and health care	311.2
Male	Respiratory infections	653.7	Dental conditions	687.9
	Injuries to the elbow and forearm	618.7	Respiratory infections	671.2
	ENT infections	561.0	Injuries to the elbow and forearm	520.1
	Dental conditions	462.9	ENT infections	457.9
	Injuries to the head	453.4	Injuries to the head	360.8
Total	Respiratory infections	594.8	Dental conditions	674.6
	Injuries to the elbow and forearm	531.8	Respiratory infections	647.1
	ENT infections	489.9	Injuries to the elbow and forearm	430.9
	Dental conditions	489.7	ENT infections	420.1
	Persons encountering health services for specific procedures and health care	472.0	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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Persons encountering health services for specific procedures and health care	1107.9	Dental conditions	843.1
	Respiratory infections	744.8	Respiratory infections	644.5
	ENT infections	670.5	ENT infections	555.6
	Dental conditions	662.1	Injuries to the elbow and forearm	425.4
	Injuries to the elbow and forearm	555.6	Persons encountering health services for specific procedures and health care	399.2
non-Māori	Respiratory infections	574.0	Respiratory infections	648.9
	Injuries to the elbow and forearm	528.4	Dental conditions	619.8
	Dental conditions	465.5	Injuries to the elbow and forearm	432.1
	ENT infections	464.6	ENT infections	377.3
	Persons encountering health services for specific procedures and health care	383.6	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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Persons encountering health services in other circumstances	9811.8	Persons encountering health services in other circumstances	4296.1
	Respiratory infections	3506.7	Respiratory infections	3688.1
	Disorders related to length of gestation and fetal growth	2531.0	Disorders related to length of gestation and fetal growth	1895.8
	Gastro-oesophageal reflux disease	1788.0	Gastro-oesophageal reflux disease	1561.8
	Persons encountering health services for examination and investigation	1550.3	ENT infections	1005.2
Male	Persons encountering health services in other circumstances	9398.8	Respiratory infections	4875.7
	Respiratory infections	4318.1	Persons encountering health services in other circumstances	4131.4
	Disorders related to length of gestation and fetal growth	2816.4	Disorders related to length of gestation and fetal growth	2016.8
	Gastro-oesophageal reflux disease	1838.6	Gastro-oesophageal reflux disease	1663.2
	Persons encountering health services for examination and investigation	1609.4	ENT infections	1415.5
Total	Persons encountering health services in other circumstances	9599.4	Respiratory infections	4295.1
	Respiratory infections	3924.0	Persons encountering health services in other circumstances	4212.0
	Disorders related to length of gestation and fetal growth	2677.7	Disorders related to length of gestation and fetal growth	1957.6
	Gastro-oesophageal reflux disease	1814.0	Gastro-oesophageal reflux disease	1613.6
	Persons encountering health services for examination and investigation	1580.7	ENT infections	1214.9

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

	Auckland DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	5571.3	Respiratory infections	5965.2
	Persons encountering health services in other circumstances	4324.8	Persons encountering health services in other circumstances	2422.4
	Disorders related to length of gestation and fetal growth	1916.9	Disorders related to length of gestation and fetal growth	1684.5
	ENT infections	1803.6	Gastro-oesophageal reflux disease	1311.2
	Gastro-oesophageal reflux disease	1624.2	ENT infections	1270.5
non-Māori	Persons encountering health services in other circumstances	10369.5	Persons encountering health services in other circumstances	4825.9
	Respiratory infections	3683.5	Respiratory infections	3722.1
	Disorders related to length of gestation and fetal growth	2788.8	Disorders related to length of gestation and fetal growth	2051.4
	Gastro-oesophageal reflux disease	1841.7	Gastro-oesophageal reflux disease	1717.4
	Persons encountering health services for examination and investigation	1589.5	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
Auckland	Female	97.4	11.1 - 183.7	26.0	15.7 - 36.2	30.0	19.2 - 40.8
	Male	97.7	4.0 - 191.5	31.9	20.6 - 43.1	34.9	23.3 - 46.5
	Total	96.2	33.6 - 158.7	28.6	21.0 - 36.2	32.1	24.2 - 40.0
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
Auckland	Female	177.9	61.1 - 294.7	120.1	95.4 - 144.7	123.3	99.2 - 147.5
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
Auckland	Male	56.5	-14.5 - 127.6	113.2	91.4 - 134.9	110.5	89.6 - 131.5
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
Auckland	Female	0.0	0.0 - 0.0	13.6	4.8 - 22.3	13.5	5.1 - 21.8
New Zealand	Female	17.1	8.2 - 26.0	9.5	6.9 - 12.1	10.3	7.8 - 12.7

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	39.4	-16.3 - 95.0	41.6	28.7 - 54.6	42.1	29.3 - 54.9
	Male	41.4	-20.3 - 103.0	49.7	35.3 - 64.0	49.5	35.5 - 63.5
	Total	39.6	-0.9 - 80.1	45.4	35.8 - 55.0	45.5	36.1 - 55.0
New Zealand	Female	35.4	23.2 - 47.5	45.9	41.7 - 50.0	45.2	41.2 - 49.1
	Male	44.3	29.9 - 58.8	56.2	51.6 - 60.9	55.4	51.0 - 59.8
	Total	39.7	30.3 - 49.1	50.8	47.7 - 53.9	50.0	47.1 - 53.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	0.0	0.0 - 0.0	51.1	34.8 - 67.3	48.0	32.8 - 63.3
	Male	0.0	0.0 - 0.0	58.0	41.5 - 74.5	55.0	39.5 - 70.6
	Total	0.0	0.0 - 0.0	53.9	42.4 - 65.5	50.9	40.1 - 61.8
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
Auckland	Female	361.4	316.8 - 405.9	165.3	159.2 - 171.3	175.4	169.2 - 181.5
	Male	617.0	551.8 - 682.2	259.3	251.3 - 267.4	272.3	264.2 - 280.4
	Total	463.7	426.6 - 500.9	207.9	203.0 - 212.8	219.1	214.1 - 224.1
New Zealand	Female	507.3	495.1 - 519.4	145.2	143.6 - 146.9	166.5	164.8 - 168.2
	Male	605.3	590.8 - 619.8	255.1	252.9 - 257.3	276.2	274.0 - 278.4
	Total	553.2	543.9 - 562.6	194.6	193.3 - 196.0	215.9	214.5 - 217.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	404.3	357.1 - 451.4	276.2	268.0 - 284.5	281.5	273.4 - 289.6
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
Auckland	Male	447.7	392.1 - 503.2	746.0	731.7 - 760.2	734.4	720.7 - 748.2
New Zealand	Male	756.4	740.0 - 772.8	762.6	758.7 - 766.6	760.3	756.5 - 764.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Auckland	Female	0.0	0.0 - 0.0	15.8	14.1 - 17.5	17.7	15.8 - 19.5
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
Auckland	Female	0.0	0.0 - 0.0	286.1	278.2 - 294.1	279.5	271.8 - 287.1
	Male	0.0	0.0 - 0.0	346.3	337.1 - 355.4	343.4	334.4 - 352.4
	Total	151.1	129.6 - 172.6	313.0	307.0 - 319.0	308.1	302.2 - 313.9
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
Auckland	Female	0.0	0.0 - 0.0	137.2	131.5 - 143.0	131.5	126.0 - 137.0
	Male	0.0	0.0 - 0.0	258.3	250.4 - 266.1	249.7	242.2 - 257.3
	Total	0.0	0.0 - 0.0	188.6	183.9 - 193.4	181.5	177.0 - 186.1
New Zealand	Female	35.6	32.5 - 38.8	144.7	143.1 - 146.3	138.2	136.7 - 139.7
	Male	48.2	44.0 - 52.5	247.5	245.3 - 249.7	236.7	234.7 - 238.8
	Total	41.0	38.4 - 43.5	191.8	190.4 - 193.1	183.2	181.9 - 184.5

Appendix 5

ICD-10 Codes

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

Description	ICD-10-AM codes used
<ul style="list-style-type: none"> ☒ Other central nervous system 	C69–C70, C72
Thyroid and other endocrine glands	C73–C75
<ul style="list-style-type: none"> ☒ Thyroid gland 	C73
<ul style="list-style-type: none"> ☒ Other endocrine glands 	C74–C75
Malignant neoplasm of ill-defined, secondary and unspecified sites	C76–C80
Lymphoma	C81–C85
<ul style="list-style-type: none"> ☒ Hodgkin's disease 	C81
<ul style="list-style-type: none"> ☒ Non-Hodgkin's lymphoma 	C82–C85
Multiple myeloma and other malignant immunoproliferative diseases and malignant plasma cell neoplasms	C88, C90
Leukaemias	C91–C95
<ul style="list-style-type: none"> ☒ Lymphoid leukaemia 	C91
<ul style="list-style-type: none"> ☒ Myeloid leukaemia 	C92
<ul style="list-style-type: none"> ☒ Acute myeloid leukaemia 	C92.0, C92.4, C92.5
<ul style="list-style-type: none"> ☒ Other myeloid leukaemia 	C92.1–C92.3, C92.8–C92.9
<ul style="list-style-type: none"> ☒ Other leukaemias 	C93–C95
Other and unspecified malignant neoplasms of lymphoid, hematopoietic, and related tissue	C96
Malignant neoplasm of independent (primary) multiple sites	C97
In situ neoplasms	D00–D09
<ul style="list-style-type: none"> ☒ Melanoma in situ 	D03
<ul style="list-style-type: none"> ☒ Carcinoma in situ of breast 	D05
<ul style="list-style-type: none"> ☒ Carcinoma in situ of cervix uteri 	D06
<ul style="list-style-type: none"> ☒ Other in situ neoplasms 	D00–D02, D04, D07–D09
Benign neoplasms	D10–D36
Neoplasms of uncertain or unknown behaviour	D37–D48
III: Diseases of the blood and blood-forming organs and	D50–D89
IV: Endocrine, nutritional and metabolic diseases	E00–E90
Disorders of thyroid gland	E00–E07
Diabetes mellitus	E10–E14
<ul style="list-style-type: none"> ☒ IDDM (type 1) 	E10
<ul style="list-style-type: none"> ☒ NIDDM (type 2) 	E11–E14
Obesity	E66
V: Mental and behavioural disorders	F00–F99
Organic, including symptomatic, mental disorder	F00–F09
<ul style="list-style-type: none"> ☒ Dementia, vascular and unspecified 	F01, F03
<ul style="list-style-type: none"> ☒ Personality and behavioural disorders due to brain disease, damage, and dysfunction 	F07
<ul style="list-style-type: none"> ☒ Mental and behavioural disorders due to psychoactive substance use 	F10–F19
<ul style="list-style-type: none"> ☒ Alcohol 	F10
<ul style="list-style-type: none"> ☒ Opioids 	F11
<ul style="list-style-type: none"> ☒ Cannabinoids 	F12

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

Description	ICD-10-AM codes used
IX: Diseases of the circulatory system	I00–I99
Acute rheumatic fever	I00–I02
☛ Acute rheumatic heart disease	I01, I02.0
Chronic rheumatic heart disease	I05–I09
Hypertensive diseases	I10–I15
Ischemic heart disease	I20–I25
☛ Angina pectoris	I20
☛ Acute myocardial infarction	I21
☛ Chronic ischemic heart disease	I25
Pulmonary circulation	I26–I28
Other forms of heart disease	I30–I52
☛ Atrial fibrillation and flutter	I48
☛ Heart failure	I50
Cerebrovascular diseases	I60–I69
☛ Subarachnoid haemorrhage	I60
☛ Intracerebral haemorrhage, other nontraumatic intracranial haemorrhage	I61–I62
☛ Cerebral infarction, stroke, not specified as haemorrhage or infarction	I63–I64
Other diseases of the circulatory system	I70–I99
☛ Atherosclerosis	I70
☛ Varicose veins of lower extremities	I83
X: Diseases of the respiratory system	J00–J99
Acute upper respiratory infections	J00–J06
Pneumonia	J12–J18
Acute bronchitis and bronchiolitis	J20–J22
Chronic diseases of tonsils and adenoids	J35
Chronic obstructive respiratory disease	J40–J44
Asthma	J45–J46
Bronchiectasis	J47
XI: Diseases of the digestive system	K00–K93
Teeth and gums	K00–K08
☛ Disorders of tooth development and eruption, embedded and impacted teeth	K00–K01
☛ Dental caries	K02
☛ Diseases of pulp and periapical tissues	K04
☛ Periodontal diseases	K05–K06
Diseases of oesophagus, stomach and duodenum	K20–K31
☛ Diseases of oesophagus	K20–K22
☛ Gastric, duodenal, peptic gastrojejunal ulcers, gastritis duodenitis	K25–K29
Diseases of appendix	K35–K38
Hernia	K40–K46
☛ Inguinal hernia	K40
Non-infective gastroenteritis and colitis	K50–K52
Other diseases of intestines and diseases of peritoneum	K55–K67
Diseases of liver	K70–K77
☛ Alcoholic liver disease	K70

Description	ICD-10-AM codes used
Diseases of gallbladder, biliary tract and pancreas	K80–K87
Cholelithiasis	K80
Acute pancreatitis	K85
Other diseases of pancreas	K86
Haematemesis, melaena and gastrointestinal haemorrhage, unspecified	K92.0–K92.2
XII: Diseases of the skin and subcutaneous tissue	L00–L99
Infections of skin and subcutaneous tissue	L00–L08
XIII: Diseases of the musculoskeletal system and connective tissue	M00–M99
Gout	M10
Arthrosis (osteoarthritis)	M15–M19
Other dorsopathies	M50–M54
XIV: Diseases of the genitourinary system	N00–N99
Glomerular diseases	N00–N08
Tubulo-interstitial nephritis	N10–N12
Renal failure	N17–N19
Urolithiasis	N20–N23
Urinary tract infection, site not specified	N39.0
Stress incontinence and other specified urinary incontinence	N39.3, N39.4
☛ Stress incontinence	N39.3
Disorders of male genital organs	N40–N51
☛ Hyperplasia of prostate	N40
Inflammatory disorders of breast	N61
Inflammatory diseases of female pelvic organs	N70–N77
Non-inflammatory disorders of female genital tract	N80–N98
☛ Endometriosis	N80
☛ Female genital prolapse	N81
☛ Dysplasia of cervix uteri	N87
☛ Excessive and frequent menstruation	N92.0, N92.1
☛ Menopausal and other perimenopausal disorders	N95
XV: Pregnancy, childbirth and the puerperium	O00–O99
Abscess of breast associated with childbirth	O91.1
XVI: Certain conditions originating in the perinatal period	P00–P96
Slow fetal growth and fetal malnutrition and premature	P05–P07
☛ Slow fetal growth and fetal malnutrition	P05
☛ Premature	P07.2–P07.3
Birth trauma	P10–P15
Respiratory and cardiovascular disorders specific to the perinatal period	P20–P29

Description	ICD-10-AM codes used
☛ Birth asphyxia	P21
☛ Respiratory distress of newborn	P22
Infection specific to the perinatal period	P35–P39
XVII: Congenital malformations, deformations, and chromosomal abnormalities	Q00–Q99
XVIII: Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00–R99
Symptoms and signs involving the circulatory and respiratory systems	R00–R09
Symptoms and signs involving the digestive system and abdomen	R10–R19
Symptoms and signs involving the urinary system	R30–R39
General symptoms and signs	R50–R69
Ill-defined and unknown causes of mortality	R95–R99
☛ Sudden infant death syndrome	R95
XIX: Injury, poisoning and certain other consequences of external causes	S00–T98
Injuries to the head	S00–S09
Other injuries	S10–T14
Burns	T20–T31
Poisoning by drugs, medicaments and biological substances	T36–T50
Complications of surgical and medical care, not elsewhere classified	T80–T88
XX: External causes of morbidity and mortality	V01–Y98
Accidents	V01–V99, W00–X59, Y85,
Transport accidents	V01–V99, Y85
☛ Pedestrian	V01–V09
☛ Pedal cyclist	V10–V19
☛ Other land transport (occupant of motorcycle, three-wheeled motor vehicle, car, pickup truck or van)	V20–V59, Y85.0
☛ Other transport	V90–V99, Y85.1
Other external causes of accidental injury	W00–X59, Y86
☛ Falls	W00–W19
☛ Exposure to mechanical forces	W20–W64
☛ Exposure to inanimate mechanical forces	W20–W49
☛ Exposure to animate mechanical forces	W50–W64
☛ Drowning and submersion (non transport)	W65–W74
☛ Fires	X00–X09
☛ Accidental poisoning by and exposure to noxious substances	X40–X49
☛ Accidental threats to breathing	W75–84
☛ Accidental suffocation or strangulation in bed	W75
Intentional self-harm (suicide)	X60–X84, Y87.0
Assault (homicide)	X85–Y09, Y87.1
Event of undetermined intent	Y10–Y34, Y87.2
Legal intervention	Y35, Y89.0

Description	ICD-10-AM codes used
Complications of medical and surgical care	Y40–Y84, Y88
☐ Drugs, medicaments and biological substances causing adverse effects in therapeutic use	Y40–Y59, Y88.0
☐ Misadventure to patients during surgical and medical care	Y60–Y69, Y88.1
☐ Medical devices associated with adverse incidents, abnormal reaction, without mention of misadventure at the time of the procedure	Y70–Y84, Y88.2, Y88.3
XXI: Factors influencing health status and contact with health services	Z00–Z99
Persons encountering health services for examination and investigation	Z00–Z13
Persons with potential health hazards related to communicable diseases	Z20–Z29
Persons encountering health services in circumstances related to reproduction	Z30–Z39
☐ Outcome of delivery	Z37
☐ Liveborn infants	Z38
Persons encountering health services for specific procedures and health care	Z40–Z54
☐ Care involving dialysis	Z49
☐ Care involving rehabilitation	Z50
Persons with potential health hazards related to socioeconomic and psychosocial circumstances	Z55–Z65
Persons encountering health services in other circumstances	Z70–Z76
Persons with potential health hazards related to family and personal history and certain conditions influencing health status	Z80–Z99