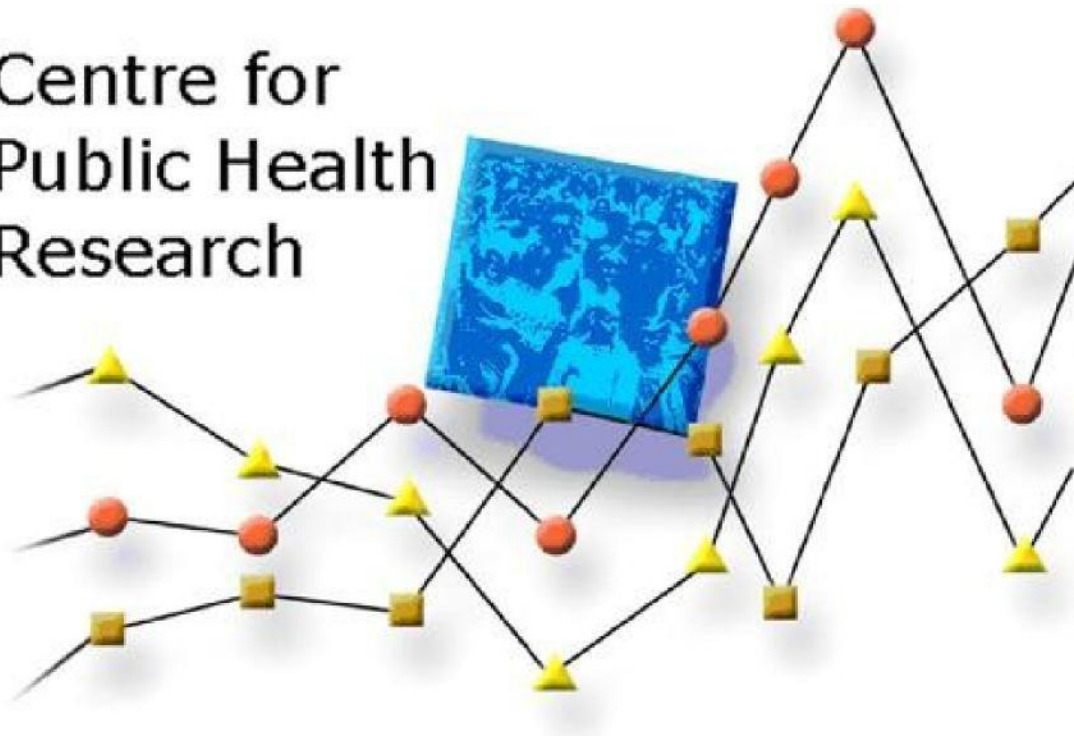


Centre for
Public Health
Research



Health Needs Assessment

Counties Manukau District Health Board

For the Ministry of Health

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Health Needs Assessment

Counties Manukau District Health Board

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EXECUTIVE SUMMARY

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

Demographics and social determinants of health

The Counties Manukau DHB had a population of 454,800 at the last (2006) census, making up 10.9 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise to 40.0 percent by 2026. There is a substantial Māori community in the Counties Manukau (76,090 people at the 2006 Census) which represents 12.2 percent of the New Zealand Māori population (2006 Census).

The Counties Manukau population is dominated by young people and those of working age. Whilst the number of elderly people is expected to increase at a greater rate than other groups, this population structure is predicted to remain in 2026. The Māori population is younger than both the non-Māori and total Counties Manukau population, a trend predicted to remain in 2026.

Distribution of communities by NZDep06 deprivation index is bi-modal in the Counties Manukau. 25 percent of CAU's are in the least deprived deciles (1&2) and 40 percent in the most deprived deciles (9, 10). Māori are over-represented amongst those more deprived (deciles 7-10).

Health status

Avoidable mortality and hospitalisations

In the Counties Manukau DHB, Māori have a statistically significantly higher age-standardised rate for avoidable mortality than non-Māori.

Ischaemic heart disease, lung cancer, diabetes, and suicide and self-inflicted injuries were the leading causes of avoidable mortality for both Māori and non-Māori.

The avoidable hospitalisation rates for both Māori males and females in the DHB are statistically significantly higher than the non-Māori rates.

The rate of unintentional injury hospitalisations for Māori was statistically significantly higher than the non-Māori rate.

Child and youth health

Respiratory infections and gastro-oesophageal reflux disease are leading causes of hospitalisations for both Māori and non-Māori children aged 0-4 years.

Dental conditions, ENT infections, and respiratory conditions were the leading causes of hospitalisations for Māori and non-Māori children aged 5-14 year.

Older people

Ischaemic heart disease and lung cancer were, respectively, the first and third leading causes of mortality for both Māori and non-Māori aged 65+ years. For Māori, chronic obstructive respiratory disease (COPD), and diabetes were the second and fourth leading causes of death, compared to stroke and COPD for non-Māori.

Respiratory infections was the leading cause of hospitalisation for both Māori and non-Māori people aged 65+ years. However, there is a difference between the ethnic groups in the other leading causes of hospitalisation: COPD, diabetes, angina, and congestive heart failure for Māori, compared to angina, ¹persons encountering health services for specific procedures and health care, skin cancer, and ischaemic heart disease for non-Māori

Other Conditions

The mortality and hospitalisation rates for ischaemic heart disease for Māori were statistically significantly higher than the non-Māori rates

The rates of cardiovascular disease and stroke hospitalisation were statistically significantly higher for Māori than non-Māori.

The rates of lung cancer mortality, hospitalisations, and cancer registrations were statistically significantly higher for Māori than non-Māori.

The suicide mortality rate in the 15-24 year age group was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts.

Hospital admission rates for diabetes and asthma were statistically significantly higher among Māori compared to non-Māori.

Health service utilisation

The Māori rate (64.0%) rate of immunisation coverage at 2 years was considerably lower than the non-Māori (73.8%) rate. The overall rate for the DHB (71.7%) was lower than the national rate (77.7%).

The percent of Māori (57.4%) over the age of 65 years who had an influenza vaccination was slightly higher than the non-Māori rate (56.5%).

¹ Persons encountering health services for specific procedures and health care (Z40-Z54) - These are intended for use to indicate a reason for care. They may be used for patients who have already been treated for a disease or injury, but who are receiving follow up care. For example, follow-up care involving plastic surgery or other surgical follow-up care.

Almost half of the Maori women aged 50 to 64 years who have a primary care provider had a mammogram in the past two years, compared to the non-Māori coverage of 55.2 percent.

The cervical screening coverage rate for Māori women (55.5%) is about the same as the average for all Māori women (54.4%), compared to the difference between the local rate for non-Māori (67.6%) and the overall New Zealand rate (75.5%).

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 Counties Manukau 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

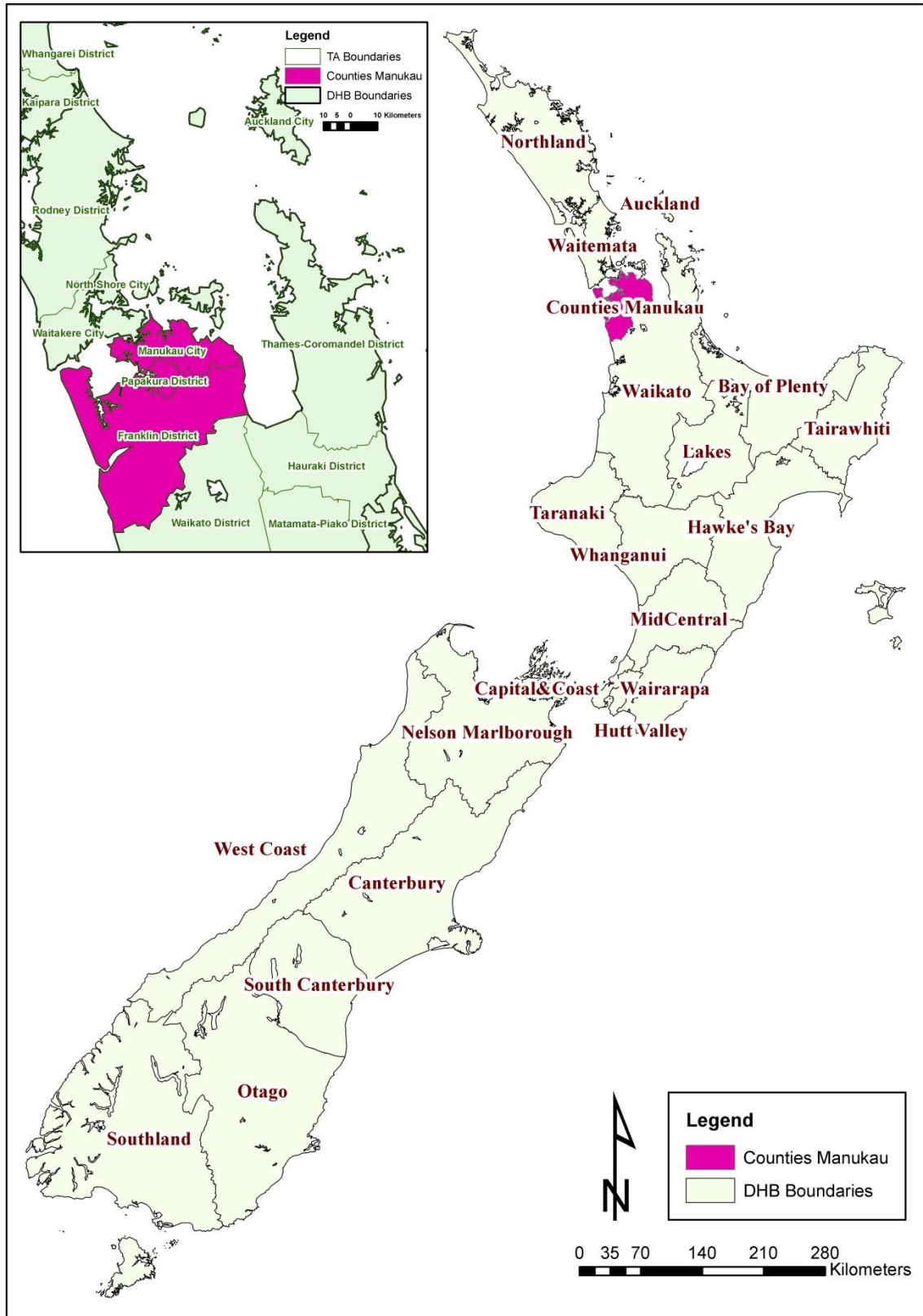
The dark blue shows that the ASR for the total Māori population in the DHB (919.1 per 100,000) is statistically significantly higher than the ASR for the total non-Māori population in the DHB (622.3 per 100,000)

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

The Counties Manukau DHB had a population of 454,800 at the last (2006) census, making up 10.9 percent of the total New Zealand population (4,184,580 at the last census). This population is projected to rise by 40 percent, to 636,780, by 2026.

1.1 Ethnicity

The proportion of people identifying themselves as Māori in the Counties Manukau is more than that of New Zealand as a whole (16.8% compared to 14.6%). There is a substantial Māori community in the Counties Manukau (76,090 people at the 2006 Census) which represents 12.1 percent of the New Zealand Māori population (2006 Census). The Counties Manukau also has a very large Pacific Islands population (22.8%).

1.2 Population Distribution by Age and Gender

In 2006, the Counties Manukau DHB had a similar proportion of working age people (15-64 years) to the New Zealand Population. The proportion of young people (25.4%) was greater than that for New Zealand (21.2%), whilst there were proportionally fewer elderly (over 65 years) (8.8%), than for New Zealand as a whole, (12.2%).

It is projected that by 2026, there will be substantial increases in all populations in the Counties Manukau, well above rates of increase seen nationally. The greatest increase will be in the 65 plus age group (128.8% compared to 84.5% nationally). However the proportion of young people and those of working age will continue to dominate the population structure, with increases of 23.4 percent and 34.6 percent respectively, compared to 4.6 percent and 12.0 percent nationally.

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
Counties Manukau	0-14	26.5	24.3	25.4	23.4	21.4	22.4
	15-64	65.4	66.3	65.8	63.1	63.6	63.3
	65+	8.1	9.4	8.8	13.6	15.0	14.3
New Zealand	0-14	22.2	20.3	21.2	19.4	17.9	18.6
	15-64	66.6	66.5	66.5	62.7	62.2	62.5
	65+	11.2	13.2	12.2	17.9	19.9	18.9

Table 1.2: Population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	0-14	59040	56480	115510	73140	69380	142530	23.9	22.8	23.4
	15-64	145500	153970	299480	197340	205830	403180	35.6	33.7	34.6
	65+	17930	21890	39810	42490	48580	91070	137.0	121.9	128.8
	Total	222470	232340	454800	312970	323790	636780	40.7	39.4	40.0
New Zealand	0-14	454960	433360	888310	477070	451780	928840	4.9	4.3	4.6
	15-64	1364450	1420210	2784650	1545220	1573770	3119010	13.2	10.8	12.0
	65+	228930	282690	511620	440280	503800	944080	92.3	78.2	84.5
	Total	2048340	2136260	4184580	2462570	2529350	4991930	20.2	18.4	19.3

Figure 1: Population, age and gender, 2006 Census

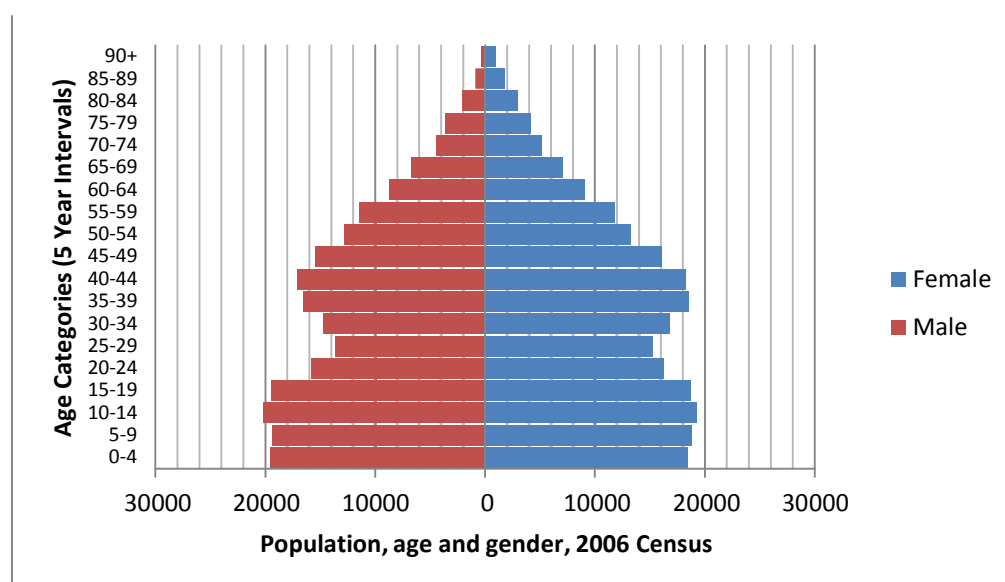
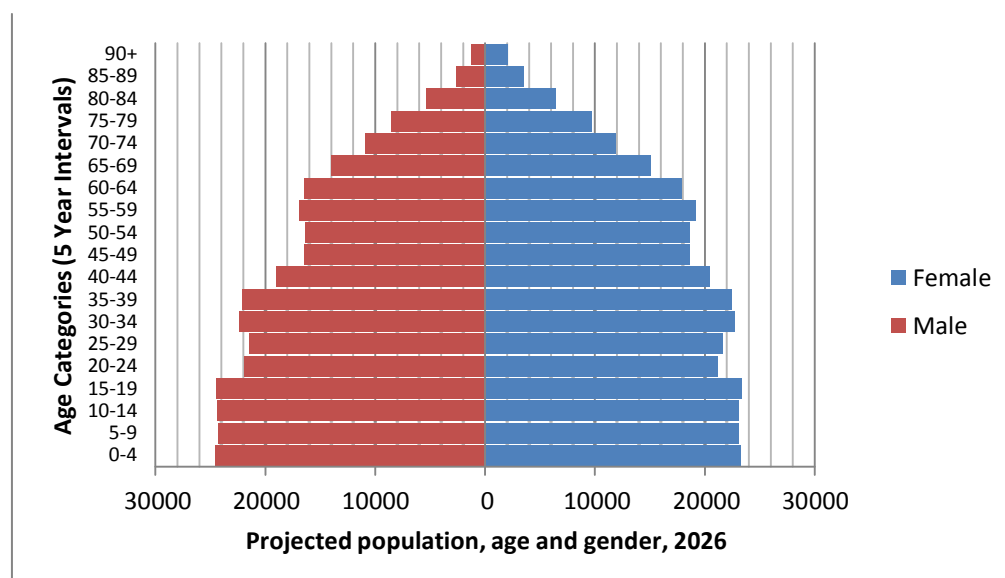


Figure 2: Projected population, age and gender, 2026



1.3 Population Distribution by Ethnicity

The Māori population is younger than both the non-Māori and total Counties Manukau population. The Māori population is dominated by young people; the peak population for Māori is 0-4 years compared to 10-14 years for non-Māori. Whilst a second population rise can be seen in the 35-49 age group for Non-Māori, this is far less pronounced in the Māori population and occurs at a younger age, 34-44 years.

Over the period 2006-2026, a large increase in all sections of the Māori population is predicted. The greatest change is expected to be seen in the elderly Māori population, where a 194.3 percent increase is predicted. Large increases are also expected across all non-Māori population age bands, however these are not as great as for Māori.

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 remaining at 0-4 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, with a much more even distribution across the age bands. Peak population increases to 30-39 years.

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

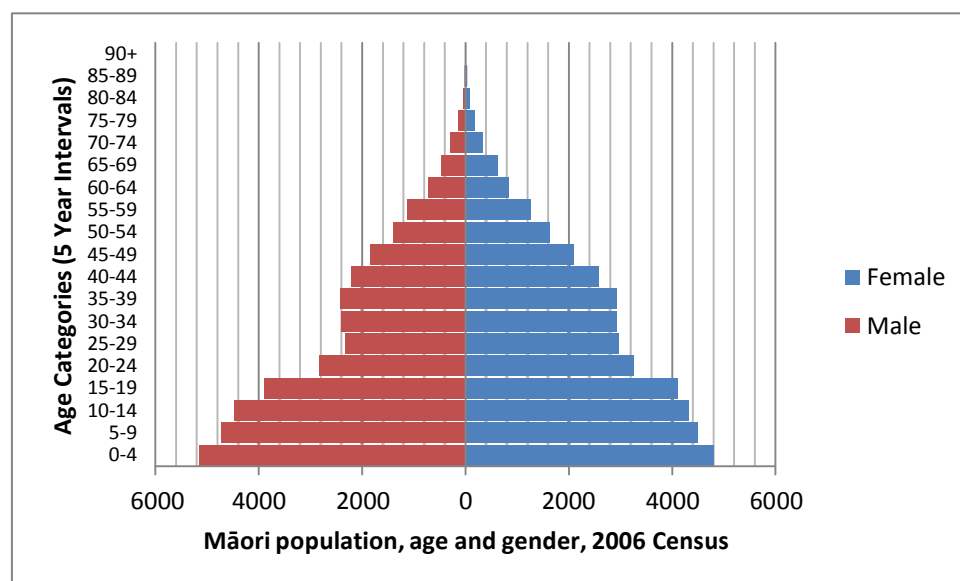


Figure 4: Non-Māori population, age and gender, 2006 Census

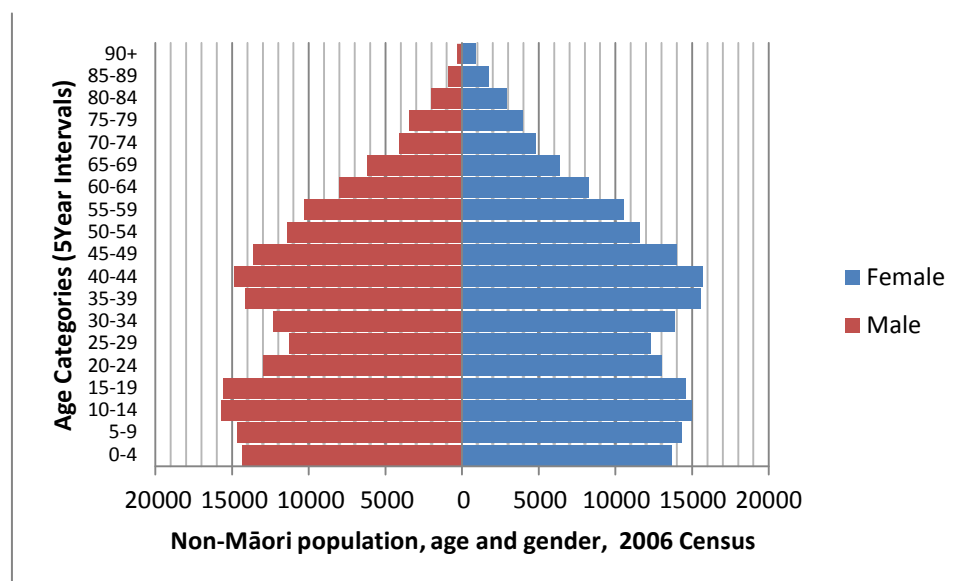


Table 1.3: Māori population change, age and gender, 2006 Census, 2026

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	0-14	14370	13630	28020	19150	18260	37420	33.3	34.0	33.5
	15-64	21200	24600	45800	30200	32880	63080	42.5	33.7	37.7
	65+	980	1280	2270	2830	3850	6680	188.8	200.8	194.3
	Total	36550	39510	76090	52180	54990	107180	42.8	39.2	40.9
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	29.8

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

Location	Age Group	2006(Base)			2026			Percentage increase 2006-2026		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	0-14	44670	42850	87490	53990	51120	105110	20.9	19.3	20.1
	15-64	124300	129370	253680	167140	172950	340100	34.5	33.7	34.1
	65+	16950	20610	37540	39660	44730	84390	134.0	117.0	124.8
	Total	185920	192830	378710	260790	268800	529600	40.3	39.4	39.8
New Zealand	0-14	344480	328550	673000	344780	325920	670690	0.1	-0.8	-0.3
	15-64	1180810	1220510	2401330	1308470	1327170	2635660	10.8	8.7	9.8
	65+	217250	268680	485910	409450	465470	874930	88.5	73.2	80.1
	Total	1742540	1817740	3560240	2062700	2118560	4181280	18.4	16.5	17.4

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

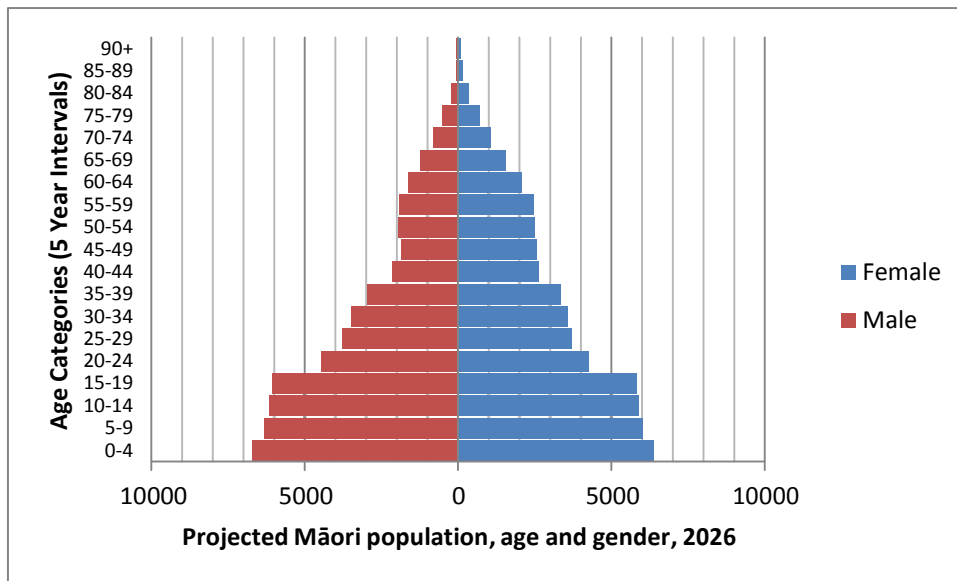
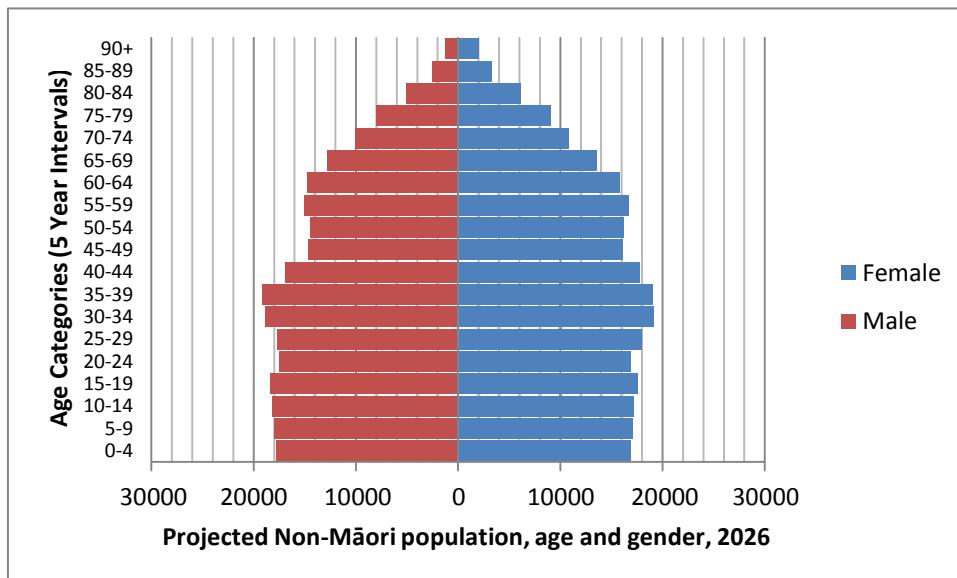


Figure 6: Projected non-Māori population, age and gender, 2026



2 SOCIAL DETERMINANTS OF HEALTH

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

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

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

2.1 The New Zealand Index of Deprivation (NZDep06)

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

In the Counties Manukau DHB, the population distribution across NZDep06 deciles is bimodal. Whilst those in deciles 1 and 2 (least deprived) are over-represented compared to the national average, a far larger over representation can be seen in deciles 9 and 10 (most deprived). All other deciles are well below the national average.

Both Māori and non-Māori are over-represented in deciles eight to ten, however whilst Non-Māori also have average or just above average representation in deciles 1-3, around 70 percent of the Māori population are in deciles seven to ten. Distribution across deprivation deciles is much less evenly spread for both Māori and non-Māori in the Counties Manukau when compared to New Zealand as a whole.

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

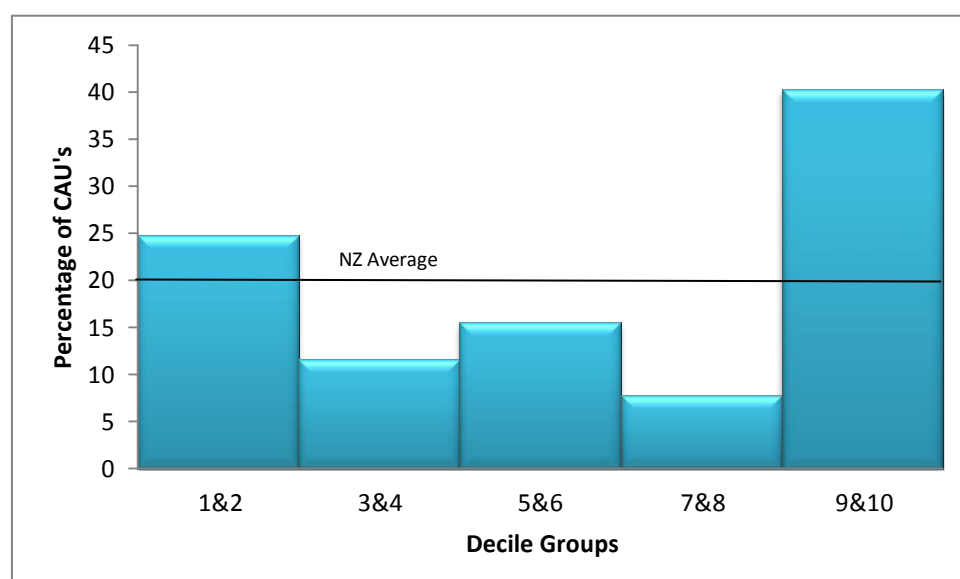


Figure 8: Counties Manukau DHB population, ethnicity and NZDep06 Decile

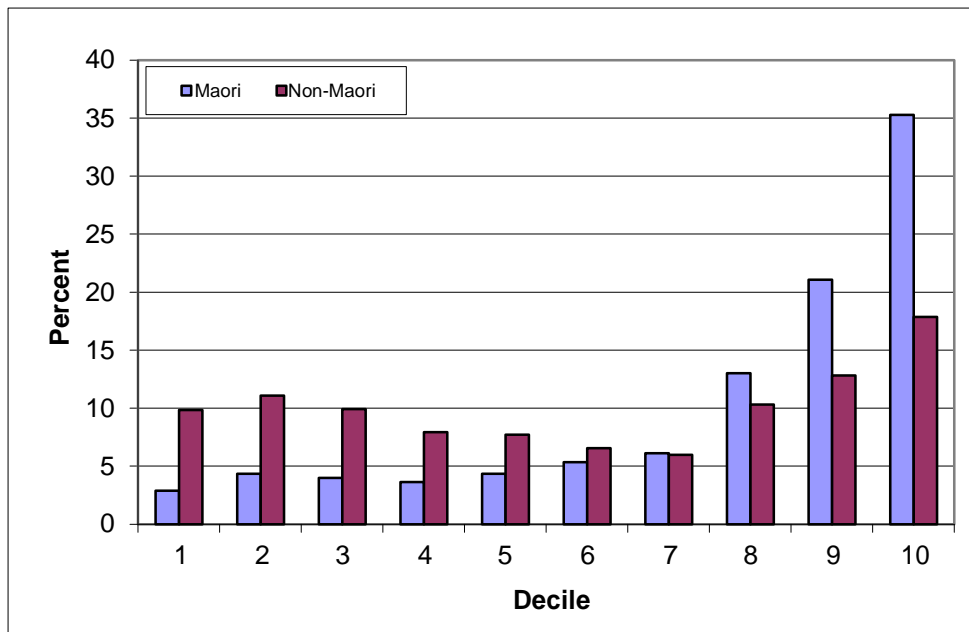
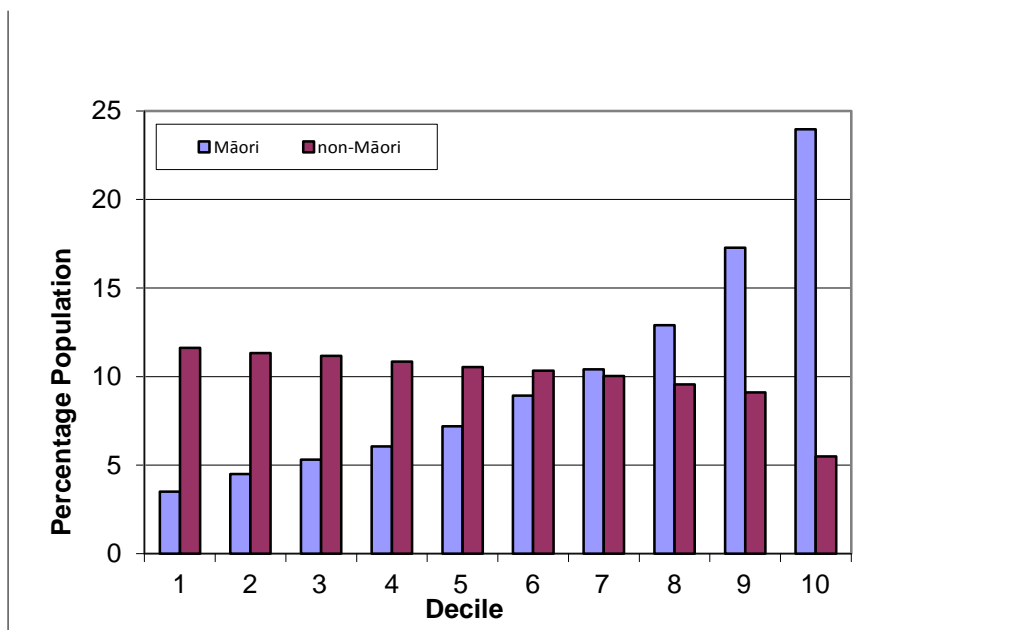


Figure 9: New Zealand population, ethnicity and NZDep06 Decile



2.2 Education

The population of the Counties Manukau DHB has a lower proportion of university graduates (degree level and above) (10.0%), compared to the New Zealand population (14.2%). It has a slightly higher rate of people with no qualifications (24.0% compared to 22.4% for New Zealand).

2.3 Income

The Counties Manukau DHB population has a similar proportion of the population earning over \$30,000 in personal income; 38.0 percent compared to 37.3 percent for New Zealand. This represents a similar 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 Counties Manukau DHB population is similar to that for New Zealand (93.0% compared to 94.9%). Slightly more people are employed full-time (as opposed to part time) than nationally (80.0% and 77.1% respectively).

In terms of type of employment, there are a lower proportion of professionals and managers in the Counties Manukau DHB (30.0% compared to 36.0% nationally) and a higher proportion of machine operators and labourers (19.0% compared to 16.8% nationally).

2.5 Housing Tenure

Slightly fewer people own their own home in Counties Manukau (49.3%) compared to nationally (51.2%), whilst slightly more rent (32.6% compared to 31.1%).

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
Counties Manukau	Number	63753	42144	13215	10200	129312
	Percentage	49.3	32.6	10.2	7.9	100.0
New Zealand	Number	743955	451965	167925	90333	1454178
	Percentage	51.2	31.1	11.5	6.2	100.0

2.6 Communications and Transport

The rate of access to communications in the Counties Manukau DHB is similar to that of the country as a whole.

More people have access to a motor vehicle in Counties Manukau than in New Zealand as a whole. (Only 6.0% of people have no access to a motor vehicle in Counties Manukau, compared to 7.8% nationally.)

3 HEALTH STATUS

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

Key points

- In the Counties Manukau DHB, Māori have a statistically significantly higher age-standardised rate for avoidable mortality than non-Māori.
- Ischaemic heart disease, lung cancer, diabetes, and suicide and self-inflicted injuries were the leading causes of avoidable mortality for both Māori and non-Māori.
- The avoidable hospitalisation rates for both Māori males and females in the DHB are statistically significantly higher than the non-Māori rates.
- The rate of unintentional injury hospitalisations for Māori was statistically significantly higher than the non-Māori rate.
- Respiratory infections and gastro-oesophageal reflux disease are leading causes of hospitalisations for both Māori and non-Māori children aged 0-4 years.
- Dental conditions, ENT infections, and respiratory conditions were the leading causes of hospitalisations for Māori and non-Māori children aged 5-14 year.
- Ischaemic heart disease and lung cancer were, respectively, the first and third leading causes of mortality for both Māori and non-Māori aged 65+ years. For Māori, chronic obstructive respiratory disease (COPD), and diabetes were the second and fourth leading causes of death, compared to stroke and COPD for non-Māori.
- Respiratory infections was the leading cause of hospitalisation for both Māori and non-Māori people aged 65+ years. However, there is a difference between the ethnic groups in the other leading causes of hospitalisation: COPD, diabetes, angina, and congestive heart failure for Māori, compared to angina, persons encountering health services for specific procedures and health care, skin cancer, and ischaemic heart disease for non-Māori.
- The mortality and hospitalisation rates for ischaemic heart disease for Māori were statistically significantly higher than the non-Māori rates.
- The rates of cardiovascular disease and stroke hospitalisation were statistically significantly higher for Māori than non-Māori.
- The rate of hospital admissions and cancer registrations for melanoma for Māori was statistically significantly lower than the non-Māori rate. In the Counties Manukau DHB, the rate of melanoma admission was statistically significantly higher than the national rate; however, the local cancer registrations rate was lower than the national rate.
- The rates of lung cancer mortality, hospitalisations, and cancer registrations were statistically significantly higher for Māori than non-Māori.
- The suicide mortality rate in the 15-24 year age group was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts.
- Hospital admission rates for diabetes and asthma were statistically significantly higher among Māori compared to non-Māori.

3.1 Avoidable Mortality

In the Counties Manukau DHB, Māori have a statistically significantly higher age-standardised rate for avoidable mortality than non-Māori (Table 3.1).

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

		Māori			non-Māori			Total		
		ASR	95% confidence		ASR	95% confidence		ASR	95% confidence	
Counties Manukau	Female	231.0	88.7	- 373.4	80.5	47.0	- 114.0	98.2	64.2	- 132.1
	Male	333.1	150.5	- 515.7	131.3	87.5	- 175.2	155.4	111.3	- 199.5
	Total	277.8	164.2	- 391.4	105.4	77.9	- 132.8	126.0	98.4	- 153.6
New Zealand	Female	214.6	168.7	- 260.5	74.2	63.5	- 84.8	88.9	78.2	- 99.6
	Male	308.9	251.4	- 366.5	122.9	109.1	- 136.7	142.4	128.6	- 156.1
	Total	259.8	223.3	- 296.3	98.1	89.4	- 106.8	115.1	106.4	- 123.8

3.2 Leading Causes of Avoidable Mortality

Ischaemic heart disease, lung cancer, diabetes, and suicide and self-inflicted injuries were the leading causes of avoidable mortality for both Māori and non-Māori in the Counties Manukau DHB (Table 3.2). However, nationally, motor vehicle accidents were the fourth leading cause of avoidable mortality and not suicide and self-inflicted injuries as in the Counties Manukau DHB.

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

	Counties Manukau 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
	Suicide and self-inflicted injuries	4	Motor vehicle accidents	4
	COPD	5	Suicide and self-inflicted injuries	5
non-Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Lung cancer	2	Suicide and self-inflicted injuries	2
	Diabetes	3	Lung cancer	3
	Suicide and self-inflicted injuries	4	Motor vehicle accidents	4
	Cerebrovascular diseases	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

There are distinct differences between the Counties Manukau DHB and the overall New Zealand female population in the leading causes of avoidable mortality (Table 3.3). Lung cancer and diabetes were the principal causes compared to breast cancer and lung cancer at the national level. In contrast, there was no difference in the leading causes of male avoidable mortality (i.e., ischaemic heart disease, suicide and self-inflicted injuries) between the DHB and New Zealand.

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

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

3.3 Avoidable Hospitalisations

The avoidable hospitalisation rates for both Māori males and females in the Counties Manukau DHB were statistically significantly higher than the non-Māori rates (Table 3.4). The overall the rates for avoidable hospitalisations in the DHB were statistically significantly higher than 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	
Counties Manukau	Female	5606.5	4902.0	- 6311.0	3926.9	3623.7	- 4230.1	4153.2	3880.9	- 4425.6
	Male	5602.1	4868.2	- 6335.9	4266.2	3953.1	- 4579.4	4430.7	4150.1	- 4711.2
	Total	5616.7	5108.2	- 6125.1	4097.3	3879.3	- 4315.4	4294.1	4098.5	- 4489.7
New Zealand	Female	4904.4	4671.6	- 5137.1	3156.7	3061.1	- 3252.3	3408.8	3321.6	- 3496.1
	Male	4974.2	4736.0	- 5212.5	3535.8	3435.8	- 3635.9	3746.4	3655.7	- 3837.2
	Total	4946.3	4779.6	- 5112.9	3347.1	3277.8	- 3416.3	3578.9	3516.0	- 3641.9

3.4 Leading Causes of Avoidable Hospitalisations

In the Counties Manukau DHB, respiratory infections, asthma, and gastroenteritis were the leading causes of avoidable hospitalisations for Māori compared to respiratory infections, gastroenteritis, and dental conditions for non-Māori (Table 3.5).

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

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

Note: ENT infections= ear, nose and throat infections

Respiratory infections and gastroenteritis were the leading causes of avoidable hospitalisations for both males and females in the Counties Manukau DHB and New Zealand generally (Table 3.6). However, for females, cellulitis and dental conditions were the third and fourth leading causes respectively, compared to angina and ENT infections for males.

Table 3.6: Leading causes of avoidable hospitalisations, males and females, 0-74 years, 2007-09

	Counties Manukau DHB		New Zealand	
	Condition	Rank	Condition	Rank
Female	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Cellulitis	3	Dental conditions	3
	Dental conditions	4	ENT infections	4
	Kidney/urinary infection	5	Cellulitis	5
Male	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Angina	3	ENT infections	3
	ENT infections	4	Dental conditions	4
	Dental conditions	5	Angina	5
Total	Respiratory infections	1	Respiratory infections	1
	Gastroenteritis	2	Gastroenteritis	2
	Dental conditions	3	Dental conditions	3
	Angina	4	ENT infections	4
	ENT infections	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 for Māori compared to non-Māori as well as between the Counties Manukau DHB and the national average (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	
Counties Manukau	Female	17.3	-22.8	- 57.4	5.8	-4.2	- 15.8	8.1	-3.2	- 19.4
	Male	53.8	-19.7	- 127.4	14.9	-1.4	- 31.1	22.1	3.1	- 41.1
	Total	34.6	-6.1	- 75.2	10.2	0.8	- 19.5	14.8	3.9	- 25.7
New Zealand	Female	21.2	6.0	- 36.3	7.8	3.8	- 11.8	10.4	6.0	- 14.7
	Male	49.1	25.2	- 73.0	21.6	14.8	- 28.5	26.1	19.1	- 33.0
	Total	34.5	20.7	- 48.4	14.6	10.7	- 18.6	18.1	14.0	- 22.2

3.6 Unintentional Injury Hospitalisations

Table 3.8 shows that the total rate of unintentional injury hospitalisations for Māori was statistically significantly higher than the non-Māori rate.

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	
Counties Manukau	Female	1730.6	1333.2	- 2128.1	1251.5	1081.2	- 1421.7	1345.6	1189.6	- 1501.6
	Male	3009.6	2462.5	- 3556.7	2316.6	2087.5	- 2545.8	2435.3	2225.8	- 2644.9
	Total	2334.5	2002.8	- 2666.2	1781.5	1638.9	- 1924.1	1883.7	1753.5	- 2013.8
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

The leading causes of hospitalisations for children 0-4 years were similar for Māori and non-Māori (Table 3.9).

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

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

Respiratory infections, persons encountering health services in other circumstances, and disorders related to length of gestation and fetal growth were the leading causes of hospitalisations for children 0-4 years of age in the Counties Manukau DHB (Table 3.10).

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

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

Māori and non-Māori children in the Counties Manukau DHB aged 5-14 years had the same leading causes of hospitalisations: dental conditions, ENT infections, and respiratory conditions (Table 3.11).

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

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

Note: ENT infections= ear, nose and throat infections

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

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

Table 3.12 shows that the Counties Manukau DHB had the same leading causes of hospitalisations for children 5-14 years of age as New Zealand generally: 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

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

Ischaemic heart disease and lung cancer were, respectively, the first and third leading causes of mortality for both Māori and non-Māori in the Counties Manukau DHB (Table 3.13). For Māori, chronic obstructive respiratory disease (COPD), and diabetes were the second and fourth leading causes of death, compared to stroke and COPD for non-Māori.

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

	Counties Manukau 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
	Stroke	5	Stroke	5
non-Māori	Ischaemic heart disease	1	Ischaemic heart disease	1
	Stroke	2	Stroke	2
	Lung cancer	3	COPD	3
	COPD	4	Lung cancer	4
	Colorectal cancer	5	Colorectal cancer	5

Note: COPD=chronic obstructive pulmonary disease

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

The leading causes of mortality for older males and females in the Counties Manukau were similar to those at the national level: ischaemic heart disease, stroke, COPD, lung cancer, and colorectal cancer (Table 3.14).

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

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

Note: COPD=chronic obstructive pulmonary disease

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

Respiratory infections was the leading cause of hospitalisation for both Māori and non-Māori people aged 65+ years in the Counties Manukau DHB (Table 3.15). However, there is a difference between the ethnic groups in the other leading causes of hospitalisation: COPD, diabetes, angina, and congestive heart failure for Māori, compared to angina, persons encountering health services for specific procedures and health care, skin cancer, and ischaemic heart disease for non-Māori.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

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

Table 3.16 shows that the leading causes of hospitalisations for males and females in the Counties Manukau DHB are similar to New Zealand generally.

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

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

Note: COPD=chronic obstructive pulmonary disease

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

3.9 Other Health Conditions

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

3.9.1 Chronic conditions

The mortality and hospitalisation rates for ischaemic heart disease in the Counties Manukau DHB for Māori were statistically significantly higher than the non-Māori rates (Appendix 2: Table 2.1.3 and Appendix 3: Table 3.1.3). The rates of cardiovascular disease and stroke hospitalisation were also statistically significantly higher for Māori than non-Māori (Appendix 3: Table 3.1.2 and Table 3.1.4). For both conditions, the hospitalisation rate was significantly higher for the Counties Manukau compared to New Zealand as a whole.

The COPD hospitalisation rate for Māori was statistically significantly higher than the non-Māori rate (Appendix 3: Table 3.1.27). The rate for the Counties Manukau DHB was also statistically significantly higher than the national rate.

3.9.2 Cancer

The rates of lung cancer mortality, hospitalisations, and cancer registrations were statistically significantly higher for Māori than non-Māori (Appendix 2: Table 2.1.6; Appendix 3: Table 3.1.6; Appendix 4: Table 4.1.1).

The rate of hospital admissions and cancer registrations for melanoma for Māori was statistically significantly lower than the non-Māori rate (Appendix 3: Table 3.1.11 and Appendix 4: Table 4.1.6). In the Counties Manukau DHB, the rate of melanoma admission was statistically significantly higher than the national rate; however, the local cancer registrations rate was lower than the national rate.

3.9.3 Other conditions

The suicide mortality rate in the 15-24 year age group was statistically significantly higher for total Māori and Māori men compared to their non-Māori counterparts (Appendix 2: Table 2.1.16). The unintentional injury mortality rate was statistically significantly lower in the Counties Manukau DHB than that observed nationally (Appendix 2: Table 2.1.15); however, the local hospital admission rate was statistically significantly higher than the national rates (Appendix 3: Table 3.1.14).

Hospital admission rates for diabetes and asthma were statistically significantly higher among Māori compared to non-Māori. For both causes the admission rates were also significantly higher for the Counties Manukau DHB than New Zealand as a whole (Appendix 3: Table 3.1.25 and Table 3.1.26).

Children under 15 years in the Counties Manukau DHB had statistically significantly higher asthma and falls hospital admission rates compared to the national rates (Appendix 3: Table 3.1.28 and Table 3.1.31).

4 HEALTH SERVICE UTILISATION

New Zealanders have access to a variety of health care workers and services in the health and disability sector. This chapter presents information on the use of these services within the Counties Manukau 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 DHB, the Māori rate (64.0%) rate of immunisation coverage at 2 years was considerably lower than the non-Māori (73.8%) rate. The overall rate for the DHB (71.7%) was lower than the national rate (77.7%).
- The percent of Māori (57.4%) over the age of 65 years who had an influenza vaccination was slightly higher than the non-Māori rate (56.5%).
- Almost half of the Māori women aged 50 to 64 years who have a primary care provider had a mammogram in the past two years, compared to the non-Māori coverage of 55.2 percent.
- Of women aged 20 to 69 years in the Counties Manukau DHB who had a primary health care provider, 77.0 percent had a cervical smear in the past three years, compared to the national average of 72.6 percent. The coverage rate for Māori women (55.5%) is about the same as the average for all Māori women (54.4%), compared to the difference between the local rate for non-Māori (67.6%) and the overall New Zealand rate (75.5%).

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 Counties Manukau DHB, the coverage rate for non-Māori (73.8%) was considerably higher than for Māori (64.0%) in 2009-2010 (Table 4.1). The overall rate for the DHB (71.7%) was 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
Counties Manukau DHB	64.0%	73.8%	71.7%
New Zealand	72.0%	79.4%	77.7%

4.2 Influenza Vaccine Coverage at 65+ Years

In the Counties Manukau DHB, the percent of Māori (57.4%) over the age of 65 years who had an influenza vaccination was higher than the national average (54.4%), (Table 4.2). In contrast, the proportion of non-Māori in the DHB who received an influenza vaccine (56.5%) was lower than in New Zealand generally (60.9%).

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

DHB	Māori	non-Māori	Total
Counties Manukau DHB	57.4%	56.5%	58.0%
New Zealand	54.4%	60.9%	60.5%

4.3 Breast Cancer Screening

Of women in the Counties Manukau DHB aged 50 to 64 years who have a primary care provider, 53.8 percent had a mammogram in the past two years, compared to the national average of 63.7 percent (Table 4.3). The screening coverage for Māori women (49.9%) was slightly lower than the national average (51.5%), whereas the non-Māori coverage (55.2%) was markedly lower.

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

DHB	Māori	non-Māori	Total
Counties Manukau DHB	49.9%	55.2%	53.8%
New Zealand	51.5%	65.0%	63.7%

4.4 Cervical Cancer Screening

Of women aged 20 to 69 years in the Counties Manukau DHB who had a primary health care provider, 77.0 percent had a cervical smear in the past three years (Table 4.4), compared to the national average of 72.6 percent. The coverage rate for Māori women (55.5%) is about the same as the average for all Māori women (54.4%), compared to the difference between the local rate for non-Māori (67.6%) and the overall New Zealand rate (75.5%).

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

DHB	Māori	non-Māori	Total
Counties Manukau DHB	55.5%	67.6%	77.0%
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
Counties Manukau	0-14	27,180	26,260	53,460	28,040	26,960	54,990	28,760	27,560	56,320	29,620	28,200	57,820	29,500	28,130	57,640	8.5	7.1	7.8
	15-64	94,400	101,040	195,420	101,620	107,510	209,150	104,400	110,060	214,460	107,280	112,360	219,620	110,080	114,380	224,430	16.6	13.2	14.8
	65+	12,790	16,260	29,060	15,650	19,040	34,690	18,050	21,590	39,640	20,840	24,880	45,710	24,130	28,710	52,840	88.7	76.6	81.8
	Total	134,370	143,560	277,940	145,310	153,510	298,830	151,210	159,210	310,420	157,740	165,440	323,150	163,710	171,220	334,910	21.8	19.3	20.5
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
Counties Manukau	3,930	3,870	7,800	4,450	4,230	8,680	4,530	4,300	8,830	4,740	4,500	9,240	4,980	4,730	9,710	26.7	22.2	24.5
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
Counties Manukau	15,560	14,560	30,110	17,910	16,920	34,830	17,980	17,070	35,050	18,610	17,670	36,290	19,520	18,530	38,050	25.4	27.3	26.4
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
Counties Manukau	19,390	18,780	38,170	21,070	19,820	40,890	23,090	21,800	44,890	23,470	22,250	45,710	24,310	23,050	47,360	25.4	22.7	24.1
New Zealand	149,230	142,650	291,880	151,640	144,070	295,710	163,170	153,990	317,160	159,530	151,110	310,640	158,510	150,120	308,630	6.2	5.2	5.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	20,160	19,270	39,430	20,310	19,720	40,030	21,310	20,130	41,440	23,950	22,630	46,580	24,330	23,070	47,410	20.7	19.7	20.2
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
Counties Manukau	19,430	18,700	38,130	20,640	20,070	40,710	20,760	20,330	41,100	21,810	20,860	42,670	24,450	23,360	47,810	25.8	24.9	25.4
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
Counties Manukau	15,800	16,290	32,100	20,200	19,520	39,720	20,710	20,290	41,000	20,830	20,620	41,460	21,880	21,150	43,040	38.5	29.8	34.1
New Zealand	145,850	145,330	291,180	169,800	160,880	330,690	168,800	159,910	328,710	159,270	152,430	311,690	157,870	150,830	308,700	8.2	3.8	6.0

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	13,580	15,260	28,830	16,980	17,760	34,750	20,070	19,950	40,020	21,290	21,270	42,570	21,430	21,600	43,030	57.8	41.5	49.3
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
Counties Manukau	14,680	16,780	31,470	15,150	17,040	32,200	17,460	18,680	36,140	21,130	21,370	42,500	22,360	22,700	45,050	52.3	35.3	43.2
New Zealand	136,320	149,700	286,010	137,460	145,930	283,390	152,120	156,340	308,450	169,600	165,430	335,030	172,310	167,630	339,940	26.4	12.0	18.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	16,530	18,510	35,040	15,180	17,580	32,760	15,590	17,720	33,310	18,390	19,720	38,110	22,050	22,410	44,460	33.4	21.1	26.9
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
Counties Manukau	17,100	18,270	35,370	17,410	19,420	36,820	16,240	18,490	34,730	16,230	18,390	34,620	19,010	20,390	39,400	11.2	11.6	11.4
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	-

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
Counties Manukau	15,420	16,060	31,480	17,310	18,590	35,900	17,340	19,370	36,710	16,450	18,710	35,160	16,450	18,620	35,070	6.7	15.9	11.4
New Zealand	149,120	156,040	305,160	152,810	163,480	316,290	149,650	163,730	313,380	139,930	154,200	294,120	136,740	146,680	283,430	-	8.3	- 6.0 - 7.1

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	12,830	13,250	26,080	15,760	16,680	32,440	17,140	18,380	35,530	17,210	19,290	36,500	16,350	18,640	34,990	27.4	40.7	34.2
New Zealand	129,930	133,720	263,650	149,430	157,770	307,200	151,890	162,460	314,350	146,550	160,920	307,480	137,060	151,570	288,630	5.5	13.3	9.5

Table 1.1.14: Projected Total Population Aged 55-59 Years by Sex at 30 June 2007–26 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	11,410	11,780	23,190	13,020	13,570	26,590	15,030	15,820	30,840	16,850	18,190	35,040	16,940	19,100	36,040	48.5	62.1	55.4
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
Counties Manukau	8,720	9,070	17,790	11,090	11,700	22,790	12,230	12,850	25,090	14,620	15,520	30,140	16,420	17,860	34,290	88.3	96.9	92.7
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
Counties Manukau	6,680	7,010	13,690	8,810	9,330	18,130	10,490	11,160	21,660	11,660	12,470	24,130	13,990	15,080	29,070	109.4	115.1	112.3
New Zealand	75,620	79,910	155,530	93,080	97,750	190,820	111,140	117,390	228,530	117,740	125,610	243,350	133,120	144,170	277,290	76.0	80.4	78.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	4,410	5,130	9,540	6,430	7,070	13,500	7,550	8,300	15,860	9,690	10,590	20,280	10,840	11,870	22,710	145.8	131.4	138.1
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
Counties Manukau	3,580	4,110	7,690	4,010	4,710	8,720	5,250	5,970	11,220	6,590	7,550	14,140	8,530	9,690	18,220	138.3	135.8	136.9
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
Counties Manukau	2,070	2,990	5,060	2,760	3,470	6,230	2,900	3,790	6,690	4,160	5,020	9,180	5,300	6,430	11,730	156.0	115.1	131.8
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
Counties Manukau	880	1,760	2,640	1,260	2,050	3,310	1,600	2,250	3,850	1,800	2,530	4,320	2,590	3,450	6,040	194.3	96.0	128.8
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
Counties Manukau	310	890	1,190	490	1,170	1,660	690	1,410	2,090	940	1,730	2,670	1,240	2,060	3,300	300.0	131.5	177.3
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
Counties Manukau	222,500	232,300	454,800	250,200	260,400	510,700	268,000	278,100	546,100	290,400	300,900	591,300	313,000	323,800	636,800	40.7	39.4	40.0
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
Counties Manukau	0-14	14,370	13,630	28,020	16,520	15,650	32,180	17,730	16,830	34,570	18,970	18,110	37,080	19,150	18,260	37,420	33.3	34.0	33.6
	15-64	21,200	24,600	45,800	23,380	26,840	50,230	25,030	28,330	53,340	27,120	30,100	57,220	30,200	32,880	63,080	42.5	33.7	37.7
	65+	980	1,280	2,270	1,350	1,730	3,080	1,700	2,240	3,930	2,180	2,950	5,140	2,830	3,850	6,680	188.8	200.8	194.3
	Total	36,550	39,510	76,090	41,250	44,220	85,490	44,460	47,400	91,840	48,270	51,160	99,440	52,180	54,990	107,180	42.8	39.2	40.9
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
Counties Manukau	1,120	1,090	2,220	1,300	1,240	2,540	1,290	1,230	2,520	1,310	1,250	2,560	1,390	1,320	2,710	24.1	21.1	22.1
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
Counties Manukau	4,040	3,720	7,760	5,210	4,960	10,170	5,120	4,870	10,000	5,110	4,860	9,970	5,310	5,050	10,370	31.4	35.8	33.6
New Zealand	29,390	27,740	57,130	37,050	35,200	72,250	36,240	34,420	70,660	35,660	33,860	69,510	36,160	34,320	70,480	23.0	23.7	23.4

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	4,740	4,490	9,240	5,410	5,040	10,460	6,410	6,120	12,530	6,300	6,010	12,310	6,310	6,010	12,320	33.1	33.9	33.3
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
Counties Manukau	4,470	4,330	8,800	4,600	4,410	9,010	4,910	4,610	9,520	6,250	5,990	12,240	6,140	5,880	12,020	37.4	35.8	36.6
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
Counties Manukau	3,890	4,100	8,000	4,310	4,170	8,480	4,460	4,260	8,710	4,770	4,490	9,260	6,060	5,830	11,890	55.8	42.2	48.6
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
Counties Manukau	2,840	3,250	6,080	3,700	3,940	7,640	4,000	3,970	7,970	4,140	4,020	8,160	4,440	4,250	8,690	56.3	30.8	42.9
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
Counties Manukau	2,320	2,970	5,300	2,550	2,980	5,520	3,200	3,550	6,750	3,640	3,660	7,300	3,780	3,710	7,490	62.9	24.9	41.3
New Zealand	20,620	22,960	43,580	21,930	23,830	45,750	27,180	27,580	54,760	29,110	27,190	56,310	28,040	26,780	54,820	36.0	16.6	25.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	2,400	2,930	5,330	2,170	2,830	5,010	2,330	2,810	5,140	3,060	3,440	6,500	3,490	3,560	7,050	45.4	21.5	32.3
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
Counties Manukau	2,420	2,940	5,360	2,170	2,790	4,960	2,070	2,760	4,820	2,240	2,730	4,970	2,950	3,350	6,300	21.9	13.9	17.5
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		
Counties Manukau	2,220	2,580	4,800	2,370	2,860	5,230	2,180	2,710	4,890	1,970	2,660	4,630	2,140	2,630	4,770	-	3.6	1.9	- 0.6	
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
Counties Manukau	1,840	2,090	3,920	2,070	2,450	4,530	2,170	2,710	4,880	2,070	2,610	4,670	1,860	2,560	4,420	1.1	22.5	12.8
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
Counties Manukau	1,400	1,640	3,040	1,740	2,050	3,790	1,950	2,330	4,280	2,040	2,590	4,630	1,950	2,490	4,430	39.3	51.8	45.7
New Zealand	12,930	13,930	26,860	16,240	18,560	34,800	17,130	19,620	36,750	17,090	20,150	37,240	16,720	20,010	36,720	29.3	43.6	36.7

Table 1.2.14: Projected Māori Population Aged 55-59 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	1,140	1,260	2,400	1,310	1,580	2,890	1,560	1,840	3,390	1,800	2,200	4,010	1,900	2,450	4,360	66.7	94.4	81.7
New Zealand	10,070	10,860	20,930	12,390	13,760	26,140	14,630	16,810	31,440	16,040	18,710	34,750	16,070	19,260	35,330	59.6	77.3	68.8

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	730	840	1,570	990	1,190	2,180	1,110	1,390	2,510	1,390	1,700	3,090	1,630	2,050	3,680	123.3	144.0	134.4
New Zealand	6,770	7,360	14,130	9,450	10,470	19,930	10,850	12,270	23,130	13,450	15,820	29,270	14,830	17,660	32,490	119.1	139.9	129.9

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	480	630	1,110	670	760	1,430	830	1,000	1,830	950	1,240	2,190	1,210	1,530	2,740	152.1	142.9	146.8
New Zealand	5,410	5,930	11,350	6,200	7,030	13,240	8,000	9,180	17,180	9,690	11,250	20,930	12,110	14,580	26,690	123.8	145.9	135.2

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	300	340	640	390	530	920	470	600	1,070	670	850	1,520	790	1,070	1,860	163.3	214.7	190.6
New Zealand	3,350	3,780	7,140	4,700	5,300	10,000	4,940	5,790	10,730	6,820	8,070	14,890	8,370	9,980	18,350	149.9	164.0	157.0

Table 1.2.18: Projected Māori Population Aged 75-79 Years by Sex at 30 June 2007 (2006-Base)

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	130	180	310	200	270	470	250	400	650	340	470	820	510	690	1,200	292.3	283.3	287.1
New Zealand	1,810	2,380	4,200	2,590	3,230	5,820	3,470	4,200	7,670	3,930	4,830	8,760	5,540	6,830	12,360	206.1	187.0	194.3

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	50	90	140	70	140	210	110	170	280	150	280	440	220	350	570	340.0	288.9	307.1
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
Counties Manukau	20	30	50	20	20	40	30	50	70	50	80	120	70	140	220	250.0	366.7	340.0
New Zealand	280	530	810	390	780	1,170	630	1,090	1,710	970	1,480	2,450	1,450	2,160	3,610	417.9	307.5	345.7

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

	2006(Base)			2012			2016			2021			2026			% Population Change 2006-2026		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Counties Manukau	-	10	20	-	10	10	10	20	30	20	30	50	30	70	90	/	600.0	350.0
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
Counties Manukau	36,600	39,500	76,100	41,300	44,200	85,500	44,500	47,400	91,800	48,300	51,200	99,400	52,200	55,000	107,200	42.6	39.2	40.9
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 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
Counties Manukau	0-14	44,670	42,850	87,490	47,220	45,040	92,250	49,180	46,470	95,640	51,800	48,940	100,740	53,990	51,120	105,110	20.9	19.3	20.1
	15-64	124,300	129,370	253,680	139,360	145,090	284,450	147,540	153,550	301,130	157,690	163,840	321,550	167,140	172,950	340,100	34.5	33.7	34.1
	65+	16,950	20,610	37,540	22,410	26,070	48,470	26,780	30,640	57,440	32,660	36,940	69,580	39,660	44,730	84,390	134.0	117.0	124.8
	Total	185,920	192,830	378,710	208,990	216,200	425,170	223,500	230,660	454,210	242,150	249,720	491,870	260,790	268,800	529,600	40.3	39.4	39.8
New Zealand	0-14	344,480	328,550	673,000	343,630	325,770	669,390	344,990	326,400	671,370	348,100	328,490	676,600	344,780	325,920	670,690	0.1	-	0.8
	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 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
Counties Manukau	2,810	2,780	5,580	3,150	2,990	6,140	3,240	3,070	6,310	3,430	3,250	6,680	3,590	3,410	7,000	27.8	22.7	25.4
New Zealand	22,080	21,070	43,140	22,610	21,440	44,040	22,300	21,140	43,440	22,330	21,160	43,490	22,190	21,040	43,220	0.5	-	0.2

Table 1.3.3: 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
Counties Manukau	11,520	10,840	22,350	12,700	11,960	24,660	12,860	12,200	25,050	13,500	12,810	26,320	14,210	13,480	27,680	23.4	24.4	23.8
New Zealand	86,670	83,140	169,810	93,180	87,510	180,690	90,620	85,820	176,430	90,160	85,380	175,550	89,980	85,200	175,180	3.8	2.5	3.2

Table 1.3.4: Projected 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
Counties Manukau	14,650	14,290	28,930	15,660	14,780	30,430	16,680	15,680	32,360	17,170	16,240	33,400	18,000	17,040	35,040	22.9	19.2	21.1
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 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
Counties Manukau	15,690	14,940	30,630	15,710	15,310	31,020	16,400	15,520	31,920	17,700	16,640	34,340	18,190	17,190	35,390	15.9	15.1	15.5
New Zealand	123,000	116,590	239,580	114,740	109,500	224,240	114,330	108,700	223,030	120,450	113,070	233,520	117,860	111,200	229,070	-	4.2	-

Table 1.3.6: 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
Counties Manukau	15,540	14,600	30,130	16,330	15,900	32,230	16,300	16,070	32,390	17,040	16,370	33,410	18,390	17,530	35,920	18.3	20.1	19.2
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 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
Counties Manukau	12,960	13,040	26,020	16,500	15,580	32,080	16,710	16,320	33,030	16,690	16,600	33,300	17,440	16,900	34,350	34.6	29.6	32.0
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 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
Counties Manukau	11,260	12,290	23,530	14,430	14,780	29,230	16,870	16,400	33,270	17,650	17,610	35,270	17,650	17,890	35,540	56.7	45.6	51.0
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 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
Counties Manukau	12,280	13,850	26,140	12,980	14,210	27,190	15,130	15,870	31,000	18,070	17,930	36,000	18,870	19,140	38,000	53.7	38.2	45.4
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 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
Counties Manukau	14,110	15,570	29,680	13,010	14,790	27,800	13,520	14,960	28,490	16,150	16,990	33,140	19,100	19,060	38,160	35.4	22.4	28.6
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 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
Counties Manukau	14,880	15,690	30,570	15,040	16,560	31,590	14,060	15,780	29,840	14,260	15,730	29,990	16,870	17,760	34,630	13.4	13.2	13.3
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 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
Counties Manukau	13,580	13,970	27,560	15,240	16,140	31,370	15,170	16,660	31,830	14,380	16,100	30,490	14,590	16,060	30,650	7.4	15.0	11.2
New Zealand	132,360	137,450	269,810	134,800	143,200	278,000	131,610	142,740	274,340	122,310	133,380	255,680	119,970	126,730	246,710	-	9.4	- 7.8 - 8.6

Table 1.3.13: Projected 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
Counties Manukau	11,430	11,610	23,040	14,020	14,630	28,650	15,190	16,050	31,250	15,170	16,700	31,870	14,400	16,150	30,560	26.0	39.1	32.6
New Zealand	117,000	119,790	236,790	133,190	139,210	272,400	134,760	142,840	277,600	129,460	140,770	270,240	120,340	131,560	251,910	2.9	9.8	6.4

Table 1.3.14: Projected 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
Counties Manukau	10,270	10,520	20,790	11,710	11,990	23,700	13,470	13,980	27,450	15,050	15,990	31,030	15,040	16,650	31,680	46.4	58.3	52.4
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 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
Counties Manukau	7,990	8,230	16,220	10,100	10,510	20,610	11,120	11,460	22,580	13,230	13,820	27,050	14,790	15,810	30,610	85.1	92.1	88.7
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 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
Counties Manukau	6,200	6,380	12,580	8,140	8,570	16,700	9,660	10,160	19,830	10,710	11,230	21,940	12,780	13,550	26,330	106.1	112.4	109.3
New Zealand	70,210	73,980	144,180	86,880	90,720	177,580	103,140	108,210	211,350	108,050	114,360	222,420	121,010	129,590	250,600	72.4	75.2	73.8

Table 1.3.17: Projected 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
Counties Manukau	4,110	4,790	8,900	6,040	6,540	12,580	7,080	7,700	14,790	9,020	9,740	18,760	10,050	10,800	20,850	144.5	125.5	134.3
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 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
Counties Manukau	3,450	3,930	7,380	3,810	4,440	8,250	5,000	5,570	10,570	6,250	7,080	13,320	8,020	9,000	17,020	132.5	129.0	130.6
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 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
Counties Manukau	2,020	2,900	4,920	2,690	3,330	6,020	2,790	3,620	6,410	4,010	4,740	8,740	5,080	6,080	11,160	151.5	109.7	126.8
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 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
Counties Manukau	860	1,730	2,590	1,240	2,030	3,270	1,570	2,200	3,780	1,750	2,450	4,200	2,520	3,310	5,820	193.0	91.3	124.7
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 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
Counties Manukau	310	880	1,170	490	1,160	1,650	680	1,390	2,060	920	1,700	2,620	1,210	1,990	3,210	290.3	126.1	174.4
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 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
Counties Manukau	185,920	192,830	378,710	208,990	216,200	425,170	223,500	230,660	454,210	242,150	249,720	491,870	260,790	268,800	529,600	40.3	39.4	39.8
New Zealand	1,742,500	1,817,700	3,560,300	1,861,800	1,925,300	3,787,100	1,924,200	1,984,000	3,908,200	1,996,900	2,053,700	4,050,600	2,062,700	2,118,500	4,181,200	18.4	16.5	17.4

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

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

These projections were derived in September 2010.

Source: Statistics New Zealand

Population Projections

Prepared for Ministry of Health

Ref No: ROM27819

Table 1.4.1: Population Distribution by Age: Males (2006 Census)

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Counties	Number	18,582	19,002	19,680	18,261	14,292	12,387	13,872	15,696	16,281
Manukau	Percentage	9.0	9.0	9.0	9.0	7.0	6.0	7.0	7.0	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
Counties	Number	14,601	12,126	10,845	8,229	6,318	4,233	3,450	1,986	1,158	211,002
Manukau	Percentage	7.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	
New Zealand	Number	143,055	124,311	115,224	88,338	72,114	55,878	46,356	29,124	17,667	1,965,618
	Percentage	7.3	6.3	5.9	4.5	3.7	2.8	2.4	1.5	0.9	

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

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

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

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

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Counties	Number	17,664	18,318	18,855	17,664	14,898	14,172	16,167	17,856	17,634
Manukau	Percentage	8.0	8.0	8.0	8.0	7.0	6.0	7.0	8.0	8.0
New Zealand	Number	134,694	139,956	148,896	147,762	135,894	125,223	145,677	158,553	162,798
	Percentage	6.5	6.8	7.2	7.2	6.6	6.1	7.1	7.7	7.9

		45–49	50–54	55–59	60–64	65–69	70–74	75–79	80–84	85+	Total
Counties	Number	15,318	12,702	11,184	8,640	6,582	4,977	3,981	2,913	2,553	222,081
Manukau	Percentage	7.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	
New Zealand	Number	150,369	128,421	118,347	91,278	76,434	61,056	54,858	43,113	39,000	2,062,329
	Percentage	7.3	6.2	5.7	4.4	3.7	3.0	2.7	2.1	1.9	

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

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

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

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

		0–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40–44
Counties	Number	36,249	37,323	38,538	35,922	29,193	26,559	30,039	33,552	33,915
Manukau	Percentage	8.0	9.0	9.0	8.0	7.0	6.0	7.0	8.0	8.0
New Zealand	Number	275,076	286,488	306,009	300,198	270,978	242,439	276,561	301,554	313,698
	Percentage	6.8	7.1	7.6	7.5	6.7	6.0	6.9	7.5	7.8

		45–49	50–54	55–59	60–64	65–69	70–74	75–79	80–84	85+	Total
Counties	Number	29,922	24,828	22,029	16,869	12,900	9,213	7,428	4,896	3,708	433,086
Manukau	Percentage	7.0	6.0	5.0	4.0	3.0	2.0	2.0	1.0	1.0	
New Zealand	Number	293,421	252,729	233,571	179,616	148,545	116,934	101,214	72,237	56,670	4,027,947
	Percentage	7.3	6.3	5.8	4.5	3.7	2.9	2.5	1.8	1.4	

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

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

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

Table 1.4.4: Female Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non-Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	4,260	25.7	32,355	25.1	12,318	74.3	96,579	74.9	16,578	93.9	128,934	95.7	1,086	6.1	5,760	4.3	17,664	134,697
5–9	4,116	23.8	32,544	24.2	13,188	76.2	101,832	75.8	17,304	94.4	134,376	96.0	1,017	5.6	5,577	4.0	18,321	139,956
10–14	4,008	22.4	32,379	22.6	13,905	77.6	110,901	77.4	17,913	95.0	143,280	96.2	945	5.0	5,613	3.8	18,858	148,896
15–19	3,594	21.5	29,502	20.8	13,131	78.5	112,365	79.2	16,725	94.7	141,867	96.0	939	5.3	5,895	4.0	17,664	147,759
20–24	2,781	19.8	22,434	17.4	11,244	80.2	106,608	82.6	14,025	94.1	129,042	95.0	876	5.9	6,849	5.0	14,898	135,891
25–29	2,601	19.6	20,529	17.2	10,698	80.4	98,604	82.8	13,299	93.8	119,133	95.1	873	6.2	6,090	4.9	14,172	125,226
30–34	2,646	17.4	21,384	15.3	12,567	82.6	118,290	84.7	15,213	94.1	139,674	95.9	954	5.9	6,000	4.1	16,167	145,677
35–39	2,643	15.7	20,790	13.6	14,220	84.3	131,550	86.4	16,863	94.4	152,340	96.1	993	5.6	6,210	3.9	17,859	158,553
40–44	2,343	14.0	19,905	12.7	14,397	86.0	136,773	87.3	16,740	94.9	156,678	96.2	891	5.1	6,120	3.8	17,631	162,798
45–49	1,839	12.8	16,926	11.7	12,570	87.2	127,536	88.3	14,409	94.1	144,462	96.1	906	5.9	5,907	3.9	15,318	150,369
50–54	1,458	12.1	12,597	10.2	10,551	87.9	110,826	89.8	12,009	94.5	123,423	96.1	693	5.5	4,998	3.9	12,702	128,421
55–59	1,089	10.3	9,762	8.6	9,468	89.7	104,037	91.4	10,557	94.4	113,799	96.2	627	5.6	4,548	3.8	11,184	118,347
60–64	756	9.2	6,717	7.6	7,428	90.8	81,159	92.4	8,184	94.7	87,876	96.3	453	5.2	3,405	3.7	8,640	91,278
65–69	531	8.5	5,310	7.2	5,709	91.5	68,244	92.8	6,240	94.8	73,554	96.2	342	5.2	2,880	3.8	6,582	76,434
70–74	309	6.5	3,471	5.9	4,422	93.5	55,368	94.1	4,731	95.1	58,839	96.4	246	4.9	2,217	3.6	4,977	61,059
75–79	156	4.1	2,190	4.1	3,624	95.9	50,607	95.9	3,780	95.0	52,797	96.2	201	5.0	2,058	3.8	3,981	54,855
80–84	72	2.6	1,074	2.6	2,688	97.4	40,437	97.4	2,760	94.7	41,511	96.3	153	5.3	1,605	3.7	2,913	43,116
85 and over	36	1.5	609	1.6	2,409	98.5	37,002	98.4	2,445	95.8	37,611	96.4	111	4.3	1,389	3.6	2,553	39,000
Total	35,241	16.8	290,469	14.7	174,534	83.2	1,688,736	85.3	209,775	94.5	1,979,205	96.0	12,303	5.5	83,124	4.0	222,081	2,062,326

All figures are for the census usually resident population.

* Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

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

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

Table 1.4.5: Male Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non-Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	4,581	26.1	34,071	25.3	12,966	73.9	100,671	74.7	17,547	94.4	134,742	96.0	1,038	5.6	5,640	4.0	18,585	140,382
5–9	4,341	24.1	34,230	24.2	13,680	75.9	106,974	75.8	18,021	94.8	141,204	96.4	981	5.2	5,331	3.6	19,005	146,535
10–14	4,056	21.7	34,347	22.7	14,607	78.3	117,129	77.3	18,663	94.8	151,476	96.4	1,023	5.2	5,637	3.6	19,683	157,113
15–19	3,384	19.5	29,031	19.9	13,959	80.5	117,156	80.1	17,343	95.0	146,187	95.9	921	5.0	6,252	4.1	18,261	152,436
20–24	2,337	17.5	20,337	16.0	11,031	82.5	107,127	84.0	13,368	93.5	127,464	94.4	927	6.5	7,623	5.6	14,292	135,087
25–29	1,938	16.8	17,577	15.9	9,579	83.2	92,970	84.1	11,517	93.0	110,547	94.3	870	7.0	6,669	5.7	12,387	117,216
30–34	2,076	16.0	18,075	14.5	10,896	84.0	106,272	85.5	12,972	93.5	124,347	95.0	897	6.5	6,540	5.0	13,872	130,884
35–39	2,094	14.2	17,808	13.1	12,672	85.8	118,554	86.9	14,766	94.1	136,362	95.4	930	5.9	6,639	4.6	15,693	143,001
40–44	1,944	12.7	17,367	12.0	13,413	87.3	126,945	88.0	15,357	94.3	144,312	95.6	924	5.7	6,588	4.4	16,281	150,900
45–49	1,578	11.5	14,979	10.9	12,162	88.5	122,079	89.1	13,740	94.1	137,058	95.8	864	5.9	5,994	4.2	14,604	143,055
50–54	1,215	10.6	11,595	9.7	10,245	89.4	107,670	90.3	11,460	94.5	119,265	95.9	663	5.5	5,046	4.1	12,126	124,308
55–59	993	9.7	8,868	8.0	9,228	90.3	101,742	92.0	10,221	94.2	110,610	96.0	624	5.8	4,614	4.0	10,845	115,224
60–64	630	8.1	6,096	7.2	7,128	91.9	78,822	92.8	7,758	94.3	84,918	96.1	474	5.8	3,420	3.9	8,229	88,335
65–69	408	6.8	4,848	7.0	5,562	93.2	64,494	93.0	5,970	94.5	69,342	96.2	348	5.5	2,769	3.8	6,318	72,114
70–74	255	6.4	3,039	5.7	3,753	93.6	50,718	94.3	4,008	94.7	53,757	96.2	228	5.4	2,121	3.8	4,233	55,878
75–79	111	3.4	1,620	3.6	3,156	96.6	42,957	96.4	3,267	94.8	44,577	96.2	180	5.2	1,782	3.8	3,447	46,359
80–84	48	2.6	693	2.5	1,830	97.4	27,219	97.5	1,878	94.6	27,912	95.8	105	5.3	1,212	4.2	1,986	29,124
85 and over	15	1.4	279	1.7	1,077	98.6	16,599	98.3	1,092	94.3	16,878	95.5	66	5.7	789	4.5	1,158	17,667
Total	32,007	16.1	274,860	14.6	166,938	83.9	1,606,098	85.4	198,945	94.3	1,880,958	95.7	12,060	5.7	84,660	4.3	211,002	1,965,621

All figures are for the census usually resident population.

* Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

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

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

Table 1.4.6: Total Population by Ethnicity (2006 Census)

Age Group (years)	Māori				Non Māori				Total people stated**				Total people, not elsewhere included***				Total people	
	Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau		New Zealand		Counties Manukau	New Zealand
	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Percentage*	Number	Number
0–4	8,838	25.9	66,426	25.2	25,287	74.1	197,250	74.8	34,125	94.1	263,676	95.9	2,124	5.9	11,400	4.1	36,249	275,079
5–9	8,460	23.9	66,774	24.2	26,865	76.1	208,806	75.8	35,325	94.6	275,580	96.2	1,998	5.4	10,908	3.8	37,323	286,488
10–14	8,067	22.1	66,726	22.6	28,506	77.9	228,030	77.4	36,573	94.9	294,756	96.3	1,965	5.1	11,253	3.7	38,538	306,009
15–19	6,981	20.5	58,533	20.3	27,084	79.5	229,521	79.7	34,065	94.8	288,054	96.0	1,857	5.2	12,144	4.0	35,922	300,198
20–24	5,115	18.7	42,771	16.7	22,278	81.3	213,735	83.3	27,393	93.8	256,506	94.7	1,800	6.2	14,472	5.3	29,193	270,978
25–29	4,539	18.3	38,106	16.6	20,277	81.7	191,577	83.4	24,816	93.4	229,683	94.7	1,743	6.6	12,759	5.3	26,559	242,442
30–34	4,725	16.8	39,459	14.9	23,463	83.2	224,562	85.1	28,188	93.8	264,021	95.5	1,851	6.2	12,540	4.5	30,039	276,561
35–39	4,737	15.0	38,598	13.4	26,892	85.0	250,104	86.6	31,629	94.3	288,702	95.7	1,923	5.7	12,852	4.3	33,552	301,554
40–44	4,287	13.4	37,272	12.4	27,813	86.6	263,718	87.6	32,100	94.6	300,990	95.9	1,815	5.4	12,708	4.1	33,915	313,698
45–49	3,417	12.1	31,908	11.3	24,735	87.9	249,612	88.7	28,152	94.1	281,520	95.9	1,770	5.9	11,901	4.1	29,919	293,421
50–54	2,676	11.4	24,192	10.0	20,793	88.6	218,496	90.0	23,469	94.5	242,688	96.0	1,359	5.5	10,044	4.0	24,828	252,732
55–59	2,082	10.0	18,630	8.3	18,696	90.0	205,779	91.7	20,778	94.3	224,409	96.1	1,248	5.7	9,162	3.9	22,029	233,574
60–64	1,383	8.7	12,816	7.4	14,559	91.3	159,975	92.6	15,942	94.5	172,791	96.2	930	5.5	6,825	3.8	16,872	179,616
65–69	942	7.7	10,158	7.1	11,268	92.3	132,741	92.9	12,210	94.7	142,899	96.2	690	5.3	5,646	3.8	12,900	148,548
70–74	564	6.5	6,510	5.8	8,172	93.5	106,086	94.2	8,736	94.9	112,596	96.3	474	5.1	4,338	3.7	9,210	116,934
75–79	267	3.8	3,807	3.9	6,780	96.2	93,567	96.1	7,047	94.9	97,374	96.2	381	5.1	3,840	3.8	7,428	101,214
80–84	120	2.6	1,764	2.5	4,521	97.4	67,659	97.5	4,641	94.7	69,423	96.1	258	5.3	2,814	3.9	4,899	72,240
85 and over	51	1.4	888	1.6	3,483	98.6	53,604	98.4	3,534	95.2	54,492	96.2	177	4.8	2,178	3.8	3,711	56,670
Total	67,248	16.5	565,326	14.6	341,472	83.5	3,294,837	85.4	408,720	94.4	3,860,163	95.8	24,366	5.6	167,784	4.2	433,086	4,027,947

All figures are for the census usually resident population.

* Percentages are calculated using 'Total People Stated' as the denominator. These will add up to >100 where individuals have identified as belonging to more than one ethnic group.

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

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

Table 1.4.7: Population Distribution by Birthplace (2006 Census)

		Birthplace										
Location	Unit	New Zealand	Australia(1)	Pacific Islands(2)	United Kingdom and Ireland	Europe (excluding UK and Ireland)	North America	Asia	Other	Total Overseas	Not elsewhere included(3)	Total
Counties Manukau	Number	262,176	5,343	51,981	21,549	4,761	1,707	44,190	15,090	144,621	26,289	433,083
	Percentage	61.0	1.0	12.0	5.0	1.0	-	10.0	3.0	33.0	6.0	
New Zealand	Number	2,960,217	62,742	135,852	251,688	68,067	26,940	251,130	83,121	879,546	188,187	4,027,947
	Percentage	73.5	1.6	3.4	6.2	1.7	0.7	6.2	2.1	21.8	4.7	

All figures are for the census usually resident population.

(1) Includes Australian Territories.

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

includes Inadequately Described and Not Stated.

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

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

Table 1.5.1: Legal Marital Status (2006 Census)

		Legal Marital Status						
Location	Unit	Never married and never joined in a civil union	Married (not separated)	Separated(2)	Divorced	Widowed or bereaved civil union partner	Not elsewhere included(3)	Total
Counties Manukau	Number	96,993	146,496	10,683	18,234	14,634	33,936	320,973
	Percentage	30.0	46.0	3.0	6.0	5.0	11.0	
New Zealand	Number	991,323	1,414,533	108,225	222,138	174,813	249,336	3,160,371
	Percentage	31.4	44.8	3.4	7.0	5.5	7.9	

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

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

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

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.2: Social Marital Status (2006 Census)

		Social Marital Status											
		Partnered				Non-partnered							
Location	Unit	Partnered, not further defined ⁽²⁾	Spouse ⁽³⁾	Other partnership ⁽⁴⁾	Total partnered	Non-partnered, not further defined	Non-partnered, never married and never joined in a civil union	Non-partnered, separated ⁽⁵⁾	Non-partnered, divorced	Non-partnered, widowed or bereaved civil union partner	Total non-partnered	Not stated	Total
Counties Manukau	Number	6,480	141,837	31,953	180,270	11,988	70,701	7,731	11,487	12,432	114,336	26,364	320,973
	Percentage	4.0	79.0	18.0	61.0	10.0	62.0	7.0	10.0	11.0	39.0		
New Zealand	Number	48,177	1,381,293	379,956	1,809,426	86,733	693,597	78,960	137,205	147,381	1,143,873	207,075	3,160,371
	Percentage	2.7	76.3	21.0	61*	7.6	60.6	6.9	12.0	12.9	39*		

* % of total - 'not stated'

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

(2) Includes Partnered, Not Further Defined and Civil Union Partner. For further information, refer to the social marital status variable on the 2006 Census Information About Data web page: <http://www.stats.govt.nz/census/>.

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

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

(5) Includes people who are still legally married but permanently separated. Includes civil unions.

Note: This data has been randomly rounded to protect confidentiality. Individual figures may not add up to totals, and values for the same data may vary in different tables.

Table 1.5.3: Family Type (2006 Census)

		Family Type			
Location	Unit	Couple without children	Couple with child(ren)	One parent with child(ren)	Total
Counties Manukau	Number	33,339	54,243	24,384	111,966
	Percentage	30.0	48.0	22.0	
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
Counties	Number	92,478	8,301	930	4,356	19,332	3,912	129,312
Manukau	Percentage	72.0	6.0	1.0	3.0	15.0	3.0	
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
Counties	Number	9,567	275,067	102,522	13,890	2,460	561	150	28,869	433,086
Manukau	Percentage	2.0	64.0	24.0	3.0	1.0	-	-	7.0	
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
Counties Manukau	No children	14,640	33.5	9,609	22.0	5,724	13.1	3,717	8.5	2,523	5.8
	One child	558	2.9	2,181	11.3	2,895	14.9	3,213	16.6	2,721	14.0
	Two children	105	0.3	972	2.6	2,295	6.2	4,032	10.9	5,364	14.5
	Three children	12	0.1	291	1.3	987	4.3	1,782	7.7	2,697	11.7
	Four children	-	-	72	0.6	402	3.3	894	7.4	1,296	10.7
	Five children	3	0.1	18	0.3	156	2.8	399	7.2	645	11.6
	Six or more children	3	0.0	9	0.1	72	1.2	255	4.2	603	10.0
	Object to answering	216	4.8	240	5.3	273	6.1	405	9.0	429	9.5
	Not elsewhere included(2)	2,124	13.4	1,506	9.5	1,371	8.6	1,467	9.3	1,575	9.9
	Total	17,664	10.6	14,901	8.9	14,172	8.5	16,167	9.7	17,856	10.7
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
Counties Manukau	No children	1,851	4.2	1,548	3.5	1,128	2.6	858	2.0	594	1.4
	One child	2,319	12.0	1,614	8.3	1,137	5.9	813	4.2	513	2.6
	Two children	5,478	14.8	4,653	12.6	3,900	10.5	3,453	9.3	2,382	6.4
	Three children	3,204	13.9	2,976	12.9	2,622	11.3	2,358	10.2	1,875	8.1
	Four children	1,515	12.6	1,428	11.8	1,311	10.9	1,194	9.9	1,053	8.7
	Five children	675	12.1	615	11.0	528	9.5	537	9.6	471	8.4
	Six or more children	678	11.3	594	9.9	531	8.8	498	8.3	633	10.5
	Object to answering	474	10.5	504	11.2	423	9.4	450	10.0	315	7.0
	Not elsewhere included(2)	1,434	9.0	1,389	8.8	1,116	7.0	1,026	6.5	810	5.1
	Total	17,631	10.5	15,318	9.2	12,702	7.6	11,184	6.7	8,640	5.2
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
Counties Manukau	No children	414	0.9	291	0.7	273	0.6	219	0.5	258	0.6	43,650
	One child	324	1.7	264	1.4	270	1.4	246	1.3	306	1.6	19,377
	Two children	1,482	4.0	1,002	2.7	765	2.1	597	1.6	576	1.6	37,059
	Three children	1,467	6.3	1,008	4.4	837	3.6	549	2.4	471	2.0	23,130
	Four children	927	7.7	744	6.2	567	4.7	399	3.3	267	2.2	12,066
	Five children	456	8.2	399	7.2	315	5.7	222	4.0	135	2.4	5,574
	Six or more children	624	10.4	609	10.1	459	7.6	294	4.9	156	2.6	6,018
	Object to answering	252	5.6	189	4.2	159	3.5	99	2.2	90	2.0	4,512
	Not elsewhere included(2)	636	4.0	471	3.0	339	2.1	285	1.8	297	1.9	15,852
	Total	6,582	3.9	4,977	3.0	3,981	2.4	2,913	1.7	2,553	1.5	167,241
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
Counties Manukau	Number	21,975	106,740	40,419	9,321	13,827	7,539	15,615	133,353	20,379	153,732
	Percentage	14.0	69.0	26.0	6.0	9.0	5.0	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
Counties Manukau	Number	13,995	128,883	59,622	14,775	27,393	14,157	19,572	146,919	20,322	167,241
	Percentage	8.0	77.0	36.0	9.0	16.0	8.0	12.0			
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
Counties Manukau	Number	35,973	235,623	100,041	24,093	41,223	21,699	35,187	280,272	40,701	320,973
	Percentage	11.0	73.0	31.0	8.0	13.0	7.0	11.0			
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
Counties	Number	76,998	37,515	24,705	14,997	28,362	13,119	25,878
Manukau	Percentage	24.0	12.0	8.0	5.0	9.0	4.0	8.0
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
Counties	Number	10,749	13,365	25,626	3,291	4,278	648	41,436	320,973
Manukau	Percentage	3.0	4.0	8.0	1.0	1.0	-	13.0	
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
Counties	Number	2,193	20,937	22,407	22,215	28,464	21,882	19,866	20,925
Manukau	Percentage	1.0	7.0	7.0	7.0	9.0	7.0	6.0	7.0
New Zealand	Number	17,355	145,053	221,166	226,797	355,899	260,082	219,657	215,301
	Percentage	0.5	4.6	7.0	7.2	11.3	8.2	7.0	6.8

Location	Unit	Total personal income							
		\$30,001– \$35,000	\$35,001– \$40,000	\$40,001– \$50,000	\$50,001– \$70,000	\$70,001– \$100,000	\$100,001 or more	Not stated	Total
Counties	Number	20,004	21,264	27,588	27,942	11,826	8,253	45,210	320,973
Manukau	Percentage	6.0	7.0	9.0	9.0	4.0	3.0	14.0	
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
Counties	Number	1,440	11,079	17,652	19,455	31,368	22,182	18,795
Manukau	Percentage	1.0	4.0	7.0	7.0	12.0	8.0	7.0
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
Counties	Number	18,420	17,187	16,812	20,586	22,542	9,423	7,356	27,534	261,828
Manukau	Percentage	7.0	7.0	6.0	8.0	9.0	4.0	3.0	11.0	
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
Counties	Number	153,654	38,736	192,390	13,470	205,860	99,603	15,510	320,973
Manukau	Percentage	80.0	20.0	93.0	7.0	64.0	31.0	5.0	
New Zealand	Number	1,531,020	454,758	1,985,775	106,497	2,092,275	961,788	106,311	3,160,371
	Percentage	77.1	22.9	94.9	5.1	66.2	30.4	3.4	

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

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

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

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

Location	Unit	Occupation (ANZSCO)								
		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)
Counties Manukau	Number	29,124	29,742	25,257	13,206	26,658	19,452	16,884	18,915	13,149
	Percentage	15.0	15.0	13.0	7.0	14.0	10.0	9.0	10.0	7.0
New Zealand	Number	340,530	374,328	241,857	156,468	240,813	186,057	114,324	218,991	112,404
	Percentage	17.1	18.9	12.2	7.9	12.1	9.4	5.8	11.0	5.7

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

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

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

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

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

Table 1.6.6: Access to Telecommunications (2006 Census)

Location	Unit	Type of Telecommunication							
		Access to a cellphone / mobile phone	Access to a telephone	Access to a fax machine	Access to the Internet	No access to telecommunication systems	Total households stated	Total households, not elsewhere included(3)	Total households
Counties Manukau	Number	91,821	110,220	33,873	71,997	3,132	121,722	7,590	129,312
	Percentage	71.0	85.0	26.0	56.0	2.0	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
Counties Manukau	Number	7,839	38,973	49,824	25,332	7,347	129,312
	Percentage	6.0	30.0	39.0	20.0	6.0	
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)
Counties	Number	2,103	39,372	22,281	63,753
Manukau	Percentage	3.0	62.0	35.0	
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)
Counties	Number	624	36,864	4,656	42,144
Manukau	Percentage	1.0	87.0	11.0	
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)		
Counties	Number	897	6,969	5,349	13,215	10,200	129,312
Manukau	Percentage	7.0	53.0	40.0			
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
Counties Manukau	Female	231.0	88.7 - 373.4	80.5	47.0 - 114.0	98.2	64.2 - 132.1
	Male	333.1	150.5 - 515.7	131.3	87.5 - 175.2	155.4	111.3 - 199.5
	Total	277.8	164.2 - 391.4	105.4	77.9 - 132.8	126.0	98.4 - 153.6
New Zealand	Female	214.6	168.7 - 260.5	74.2	63.5 - 84.8	88.9	78.2 - 99.6
	Male	308.9	251.4 - 366.5	122.9	109.1 - 136.7	142.4	128.6 - 156.1
	Total	259.8	223.3 - 296.3	98.1	89.4 - 106.8	115.1	106.4 - 123.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	93.5	-1.0 - 188.0	39.3	22.7 - 55.9	43.6	26.9 - 60.3
	Male	166.3	26.2 - 306.3	67.5	43.1 - 91.8	76.3	51.2 - 101.4
	Total	127.0	45.1 - 208.9	52.5	38.1 - 66.9	59.0	44.2 - 73.7
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
Counties Manukau	Female	127.9	53.2 - 202.7	37.4	27.9 - 46.9	44.1	33.7 - 54.4
	Male	211.7	106.0 - 317.4	87.9	69.9 - 105.9	99.1	80.5 - 117.8
	Total	167.2	103.9 - 230.5	60.9	51.0 - 70.8	69.7	59.4 - 80.1
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
Counties Manukau	Female	27.9	-5.9 - 61.7	26.0	17.4 - 34.7	26.6	18.2 - 35.0
	Male	41.1	-4.7 - 87.0	29.9	19.4 - 40.4	31.5	21.1 - 41.9
	Total	34.7	6.2 - 63.1	27.9	21.2 - 34.7	29.0	22.4 - 35.5
New Zealand	Female	42.1	29.2 - 54.9	23.6	21.3 - 25.9	25.3	22.9 - 27.6
	Male	36.6	23.1 - 50.1	24.6	22.0 - 27.2	25.9	23.3 - 28.5
	Total	40.1	30.7 - 49.4	24.3	22.6 - 26.0	25.8	24.0 - 27.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	115.4	13.9 - 217.0	53.9	31.3 - 76.6	59.9	37.4 - 82.5
	Male	127.7	6.5 - 248.9	69.2	43.4 - 95.1	74.1	48.8 - 99.5
	Total	119.4	42.7 - 196.2	60.8	43.7 - 77.8	66.2	49.3 - 83.0
New Zealand	Female	110.5	78.4 - 142.6	55.1	47.9 - 62.3	59.9	52.8 - 67.0
	Male	113.3	78.5 - 148.0	67.9	60.2 - 75.5	71.6	64.1 - 79.1
	Total	111.3	87.9 - 134.7	60.7	55.4 - 65.9	65.0	59.8 - 70.1

Table 2.1.6: Lung cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	104.2	39.4 - 168.9	19.5	11.1 - 28.0	27.6	17.8 - 37.4
	Male	107.9	33.3 - 182.5	30.9	19.7 - 42.0	37.2	25.4 - 49.1
	Total	104.2	56.3 - 152.0	24.9	18.0 - 31.8	32.1	24.5 - 39.7
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
Counties Manukau	Female	30.5	-5.2 - 66.1	23.9	13.1 - 34.6	24.1	14.0 - 34.2
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
Counties Manukau	Male	25.9	-11.2 - 62.9	16.4	9.4 - 23.5	17.3	10.3 - 24.4
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
Counties Manukau	Female	0.0	0.0 - 0.0	3.0	-1.0 - 7.0	3.3	-0.5 - 7.2
New Zealand	Female	6.6	1.2 - 12.0	2.2	1.1 - 3.3	2.6	1.5 - 3.7

Table 2.1.10: Colorectal cancer mortality, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2006-08

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	0.0	0.0 - 0.0	16.3	8.5 - 24.2	15.7	8.4 - 23.0
	Male	22.5	-11.4 - 56.3	20.8	11.8 - 29.9	21.6	12.6 - 30.7
	Total	13.6	-3.5 - 30.7	18.4	12.4 - 24.3	18.4	12.7 - 24.2
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
Counties Manukau	Female	0.0	0.0 - 0.0	3.8	-0.1 - 7.7	3.6	0.1 - 7.2
	Male	0.0	0.0 - 0.0	6.9	1.5 - 12.2	6.5	1.6 - 11.5
	Total	0.0	0.0 - 0.0	5.2	1.9 - 8.4	4.9	2.0 - 7.9
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
Counties Manukau	Female	17.3	-22.8 - 57.4	5.8	-4.2 - 15.8	8.1	-3.2 - 19.4
	Male	53.8	-19.7 - 127.4	14.9	-1.4 - 31.1	22.1	3.1 - 41.1
	Total	34.6	-6.1 - 75.2	10.2	0.8 - 19.5	14.8	3.9 - 25.7
New Zealand	Female	21.2	6.0 - 36.3	7.8	3.8 - 11.8	10.4	6.0 - 14.7
	Male	49.1	25.2 - 73.0	21.6	14.8 - 28.5	26.1	19.1 - 33.0
	Total	34.5	20.7 - 48.4	14.6	10.7 - 18.6	18.1	14.0 - 22.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	11.7	-18.7 - 42.0	3.9	-3.5 - 11.3	5.3	-3.0 - 13.6
	Male	36.4	-20.0 - 92.7	14.0	-1.1 - 29.1	17.6	2.0 - 33.2
	Total	23.2	-7.7 - 54.1	8.8	0.5 - 17.1	11.3	2.6 - 20.0
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
Counties Manukau	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
Counties Manukau	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	6.7	2.2 - 11.3
	Male	56.3	25.7 - 86.9	21.1	12.1 - 30.0	27.6	18.4 - 36.8
	Total	33.4	17.3 - 49.5	13.1	8.1 - 18.1	17.1	12.0 - 22.2
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
Counties Manukau	Female	0.0	0.0 - 0.0	0.0	0.0 - 0.0	5.7	1.5 - 9.9
	Male	63.3	31.6 - 94.9	19.9	11.2 - 28.6	28.4	19.1 - 37.7
	Total	37.6	20.7 - 54.6	11.9	7.1 - 16.6	17.1	12.0 - 22.2
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
Counties Manukau	Female	1155.9	1092.7 - 1219.2	409.5	401.9 - 417.2	447.3	439.3 - 455.2
	Male	1174.5	1098.4 - 1250.6	763.4	750.9 - 775.9	780.0	767.7 - 792.3
	Total	1169.1	1120.2 - 1218.0	566.4	559.4 - 573.4	594.2	587.2 - 601.2
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
Counties Manukau	Female	261.6	232.6 - 290.6	248.7	242.7 - 254.7	253.8	247.8 - 259.8
	Male	212.4	181.8 - 243.1	277.3	269.9 - 284.8	277.3	270.0 - 284.5
	Total	247.7	225.9 - 269.4	263.0	258.3 - 267.7	265.4	260.8 - 270.0
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
Counties Manukau	Female	486.8	446.7 - 526.8	142.7	137.2 - 148.2	167.1	161.3 - 172.9
	Male	600.0	547.7 - 652.4	223.8	216.5 - 231.1	245.8	238.3 - 253.3
	Total	517.7	487.0 - 548.3	179.8	175.3 - 184.3	202.8	198.2 - 207.5
New Zealand	Female	494.7	482.8 - 506.7	131.6	130.0 - 133.1	153.4	151.8 - 155.0
	Male	501.9	488.6 - 515.1	228.8	226.8 - 230.9	245.3	243.2 - 247.4
	Total	497.3	488.5 - 506.2	175.1	173.8 - 176.4	194.3	193.0 - 195.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	186.6	162.0 - 211.3	96.0	91.4 - 100.5	101.2	96.7 - 105.7
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
Counties Manukau	Male	11.7	-25.3 - 48.8	7.4	0.4 - 14.5	7.8	0.8 - 14.9
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
Counties Manukau	Female	0.0	0.0 - 0.0	10.5	9.1 - 12.0	12.0	10.5 - 13.6
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
Counties Manukau	Female	0.0	0.0 - 0.0	140.4	134.9 - 145.8	133.5	128.4 - 138.6
	Male	0.0	0.0 - 0.0	159.4	153.4 - 165.3	155.1	149.4 - 160.7
	Total	0.0	0.0 - 0.0	147.0	143.1 - 151.0	141.5	137.8 - 145.3
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
Counties Manukau	Female	0.0	0.0 - 0.0	23.1	21.1 - 25.1	22.0	20.1 - 23.9
	Male	0.0	0.0 - 0.0	55.1	51.5 - 58.6	52.3	49.0 - 55.7
	Total	0.0	0.0 - 0.0	37.0	35.1 - 39.0	35.1	33.3 - 36.9
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
Counties Manukau	Female	458.8	419.9 - 497.7	129.6	124.8 - 134.5	146.9	141.8 - 151.9
	Male	619.0	561.4 - 676.5	215.3	208.8 - 221.8	230.9	224.3 - 237.5
	Total	516.0	483.9 - 548.1	161.9	158.0 - 165.8	178.2	174.3 - 182.2
New Zealand	Female	430.9	419.9 - 441.9	146.6	145.2 - 148.1	162.8	161.3 - 164.3
	Male	480.0	466.6 - 493.4	219.1	217.3 - 220.9	231.7	229.9 - 233.6
	Total	444.2	435.9 - 452.5	175.0	173.9 - 176.1	189.4	188.2 - 190.5

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Lung cancer	10.7	Breast cancer (female only)	10.7
	Diabetes	10.2	Lung cancer	9.3
	Ischaemic heart disease	9.9	Ischaemic heart disease	8.1
	Breast cancer (female only)	9.9	Colorectal cancer	5.9
	Complications of perinatal period	7.0	Diabetes	5.8
Male	Ischaemic heart disease	28.9	Ischaemic heart disease	27.3
	Suicide and self-inflicted injuries	15.2	Suicide and self-inflicted injuries	15.7
	Lung cancer	14.0	Motor vehicle accidents	12.3
	Diabetes	11.0	Lung cancer	10.8
	Motor vehicle accidents	10.1	Diabetes	8.3
Total	Ischaemic heart disease	19.1	Ischaemic heart disease	17.4
	Lung cancer	12.3	Suicide and self-inflicted injuries	10.4
	Diabetes	10.6	Lung cancer	10.0
	Suicide and self-inflicted injuries	9.8	Motor vehicle accidents	8.6
	Cerebrovascular diseases	7.3	Diabetes	7.0

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	50.6	Ischaemic heart disease	51.4
	Lung cancer	44.5	Lung cancer	31.6
	Diabetes	32.2	Diabetes	26.8
	Suicide and self-inflicted injuries	19.9	Motor vehicle accidents	17.8
	COPD	16.5	Suicide and self-inflicted injuries	15.4
non-Māori	Ischaemic heart disease	15.5	Ischaemic heart disease	14.3
	Lung cancer	9.0	Suicide and self-inflicted injuries	9.3
	Diabetes	8.3	Lung cancer	8.1
	Suicide and self-inflicted injuries	7.6	Motor vehicle accidents	6.7
	Cerebrovascular diseases	6.9	Colorectal cancer	6.7

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Ischaemic heart disease	445.7	Ischaemic heart disease	418.5
	Stroke	209.6	Stroke	206.0
	Lung cancer	167.1	CORD	172.8
	Colorectal cancer	133.5	Lung cancer	153.4
	Diabetes	132.9	Colorectal cancer	131.3
Male	Ischaemic heart disease	772.9	Ischaemic heart disease	757.4
	CORD	250.2	Lung cancer	245.3
	Lung cancer	245.8	CORD	238.4
	Stroke	209.9	Stroke	207.5
	Colorectal cancer	155.1	Colorectal cancer	178.9
Total	Ischaemic heart disease	590.3	Ischaemic heart disease	571.4
	Stroke	211.0	Stroke	210.0
	Lung cancer	202.8	CORD	197.9
	CORD	198.0	Lung cancer	194.3
	Colorectal cancer	141.5	Colorectal cancer	152.9

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Ischaemic heart disease	1169.1	Ischaemic heart disease	1109.6
	CORD	574.5	Lung cancer	497.3
	Lung cancer	517.7	CORD	465.0
	Diabetes	464.6	Diabetes	389.4
	Stroke	217.3	Stroke	247.1
non-Māori	Ischaemic heart disease	562.3	Ischaemic heart disease	540.1
	Stroke	207.5	Stroke	207.2
	Lung cancer	179.8	CORD	182.8
	CORD	178.7	Lung cancer	175.1
	Colorectal cancer	147.0	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
Counties Manukau	Female	5606.5	4902.0 - 6311.0	3926.9	3623.7 - 4230.1	4153.2	3880.9 - 4425.6
	Male	5602.1	4868.2 - 6335.9	4266.2	3953.1 - 4579.4	4430.7	4150.1 - 4711.2
	Total	5616.7	5108.2 - 6125.1	4097.3	3879.3 - 4315.4	4294.1	4098.5 - 4489.7
New Zealand	Female	4904.4	4671.6 - 5137.1	3156.7	3061.1 - 3252.3	3408.8	3321.6 - 3496.1
	Male	4974.2	4736.0 - 5212.5	3535.8	3435.8 - 3635.9	3746.4	3655.7 - 3837.2
	Total	4946.3	4779.6 - 5112.9	3347.1	3277.8 - 3416.3	3578.9	3516.0 - 3641.9

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	847.2	573.9 - 1120.4	440.2	364.6 - 515.8	483.6	411.4 - 555.7
	Male	1100.3	758.7 - 1441.9	709.5	613.8 - 805.2	753.6	661.9 - 845.3
	Total	963.9	748.8 - 1179.0	570.2	509.6 - 630.8	613.2	555.3 - 671.1
New Zealand	Female	725.3	642.2 - 808.5	376.4	354.5 - 398.2	409.5	388.5 - 430.5
	Male	968.2	865.8 - 1070.6	638.8	610.7 - 666.9	673.8	646.7 - 700.8
	Total	842.1	776.8 - 907.4	503.2	485.5 - 520.9	536.9	519.9 - 553.9

Table 3.1.3: Ischaemic heart disease hospitalisation, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	352.4	234.5 - 470.3	179.7	154.0 - 205.4	198.9	172.8 - 224.9
	Male	580.2	409.4 - 750.9	466.5	420.4 - 512.6	479.9	435.2 - 524.6
	Total	453.1	353.7 - 552.4	318.6	292.6 - 344.6	334.1	308.6 - 359.5
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
Counties Manukau	Female	262.2	158.8 - 365.7	107.9	86.9 - 129.0	123.7	102.2 - 145.2
	Male	207.7	107.8 - 307.7	162.0	135.3 - 188.7	167.9	142.0 - 193.8
	Total	239.8	166.4 - 313.2	133.8	116.9 - 150.6	144.8	128.0 - 161.5
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
Counties Manukau	Female	448.1	250.9 - 645.2	356.7	289.9 - 423.5	364.7	303.0 - 426.4
	Male	449.1	230.6 - 667.5	376.6	310.4 - 442.7	392.5	328.5 - 456.4
	Total	449.5	303.2 - 595.8	363.9	316.9 - 410.8	376.1	331.7 - 420.5
New Zealand	Female	456.5	389.7 - 523.3	348.8	326.7 - 370.9	359.1	338.6 - 379.5
	Male	428.9	360.8 - 497.0	391.1	368.7 - 413.5	396.9	375.9 - 417.8
	Total	442.7	395.1 - 490.3	367.4	351.7 - 383.1	375.5	360.9 - 390.1

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	182.8	98.8 - 266.9	42.5	29.3 - 55.6	57.2	42.6 - 71.8
	Male	155.9	67.4 - 244.3	47.5	33.7 - 61.3	56.3	41.9 - 70.7
	Total	168.8	108.6 - 228.9	44.7	35.2 - 54.1	56.4	46.2 - 66.7
New Zealand	Female	136.6	112.7 - 160.5	38.6	34.8 - 42.4	46.7	42.7 - 50.7
	Male	121.7	97.7 - 145.8	46.7	42.7 - 50.7	52.5	48.4 - 56.6
	Total	128.9	112.0 - 145.7	42.2	39.4 - 44.9	49.1	46.3 - 52.0

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	149.2	73.8 - 224.5	102.3	79.3 - 125.3	107.5	85.6 - 129.4
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
Counties Manukau	Male	45.3	-1.5 - 92.2	49.7	36.3 - 63.2	49.9	36.9 - 62.9
New Zealand	Male	76.5	57.6 - 95.4	60.9	56.4 - 65.3	61.9	57.6 - 66.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	16.8	-8.1 - 41.7	24.7	12.7 - 36.8	23.7	12.8 - 34.7
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
Counties Manukau	Female	51.2	5.8 - 96.5	46.0	31.8 - 60.2	46.7	33.4 - 60.0
	Male	58.1	5.6 - 110.7	63.5	46.8 - 80.2	64.7	48.5 - 81.0
	Total	55.1	20.2 - 90.1	54.4	43.5 - 65.2	55.3	44.8 - 65.7
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
Counties Manukau	Female	21.5	-7.6 - 50.5	125.0	102.8 - 147.2	116.1	96.1 - 136.1
	Male	20.2	-9.8 - 50.3	202.5	174.2 - 230.7	189.9	163.9 - 215.9
	Total	21.1	0.0 - 42.2	160.3	142.6 - 178.0	149.6	133.4 - 165.7
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
Counties Manukau	Female	1730.6	1333.2 - 2128.1	1251.5	1081.2 - 1421.7	1345.6	1189.6 - 1501.6
	Male	3009.6	2462.5 - 3556.7	2316.6	2087.5 - 2545.8	2435.3	2225.8 - 2644.9
	Total	2334.5	2002.8 - 2666.2	1781.5	1638.9 - 1924.1	1883.7	1753.5 - 2013.8
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
Counties Manukau	Female	192.6	71.7 - 313.4	135.8	87.2 - 184.4	146.4	101.0 - 191.7
	Male	122.1	18.3 - 225.9	79.6	42.7 - 116.4	86.4	51.3 - 121.4
	Total	158.9	78.7 - 239.1	107.6	77.2 - 138.1	116.6	87.9 - 145.3
New Zealand	Female	153.2	115.2 - 191.3	146.7	129.7 - 163.6	147.8	132.4 - 163.3
	Male	103.2	70.5 - 136.0	78.7	66.6 - 90.9	82.7	71.3 - 94.2
	Total	128.6	103.5 - 153.8	112.6	102.2 - 123.0	115.4	105.8 - 124.9

Table 3.1.14: Unintentional injury hospitalisation, 15-24 years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	1694.8	1537.1 - 1852.4	1102.0	1036.3 - 1167.7	1225.9	1164.4 - 1287.3
	Male	4029.9	3775.3 - 4284.4	3045.0	2937.7 - 3152.3	3234.2	3134.7 - 3333.7
	Total	2810.1	2663.4 - 2956.9	2087.4	2024.1 - 2150.8	2232.7	2174.1 - 2291.2
New Zealand	Female	1222.0	1174.8 - 1269.3	1013.0	991.5 - 1034.4	1053.4	1033.9 - 1073.0
	Male	3471.2	3389.9 - 3552.4	2673.9	2639.7 - 2708.0	2819.5	2788.0 - 2851.1
	Total	2326.1	2279.6 - 2372.7	1856.8	1836.5 - 1877.1	1945.2	1926.5 - 1963.8

Table 3.1.15: Ischaemic heart disease hospitalisation, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	1671.0	1597.3 - 1744.6	1311.8	1295.4 - 1328.1	1340.5	1324.5 - 1356.5
	Male	2439.1	2330.6 - 2547.5	2260.7	2237.3 - 2284.2	2260.9	2238.2 - 2283.6
	Total	1967.2	1906.2 - 2028.1	1751.7	1737.7 - 1765.7	1764.3	1750.7 - 1777.9
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
Counties Manukau	Female	1383.3	1314.8 - 1451.8	711.1	699.6 - 722.6	745.7	734.3 - 757.1
	Male	999.2	935.3 - 1063.2	1029.9	1014.6 - 1045.2	1039.5	1024.5 - 1054.5
	Total	1242.4	1193.4 - 1291.3	857.8	848.4 - 867.1	881.1	871.9 - 890.4
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
Counties Manukau	Female	562.4	520.5 - 604.3	242.9	235.5 - 250.2	270.8	263.3 - 278.4
	Male	1033.7	967.8 - 1099.5	350.4	341.2 - 359.7	395.8	386.1 - 405.4
	Total	763.0	726.4 - 799.7	291.2	285.4 - 297.1	327.0	321.0 - 333.0
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
Counties Manukau	Female	381.3	346.9 - 415.8	321.3	312.5 - 330.1	324.2	315.7 - 332.7
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
Counties Manukau	Male	10.1	-24.8 - 45.1	15.3	4.9 - 25.8	15.1	5.1 - 25.2
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
Counties Manukau	Female	0.0	0.0 - 0.0	22.2	20.2 - 24.2	21.1	19.2 - 23.0
New Zealand	Female	28.7	25.8 - 31.5	20.8	20.2 - 21.4	21.2	20.6 - 21.8

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	363.3	329.4 - 397.3	332.2	324.0 - 340.3	337.1	329.1 - 345.1
	Male	189.1	162.2 - 216.0	413.0	403.3 - 422.8	404.9	395.6 - 414.3
	Total	295.2	272.1 - 318.2	367.8	361.5 - 374.0	366.5	360.5 - 372.6
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
Counties Manukau	Female	128.2	108.1 - 148.2	859.2	846.3 - 872.1	820.4	808.3 - 832.6
	Male	0.0	0.0 - 0.0	1597.7	1578.9 - 1616.4	1525.0	1507.2 - 1542.7
	Total	100.5	87.2 - 113.7	1185.2	1174.1 - 1196.2	1129.7	1119.3 - 1140.1
New Zealand	Female	100.0	94.6 - 105.3	619.6	616.4 - 622.7	592.8	589.8 - 595.8
	Male	139.6	132.4 - 146.7	1161.9	1157.3 - 1166.4	1111.3	1107.0 - 1115.7
	Total	115.1	110.9 - 119.4	862.9	860.1 - 865.6	824.6	822.1 - 827.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	2724.3	2630.9 - 2817.6	725.8	713.3 - 738.2	853.4	840.3 - 866.5
	Male	2321.1	2222.9 - 2419.2	1234.6	1217.7 - 1251.5	1310.2	1293.1 - 1327.2
	Total	2568.8	2500.5 - 2637.1	951.6	941.3 - 961.8	1054.9	1044.4 - 1065.4
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
Counties Manukau	Female	337.9	201.5 - 474.3	156.5	123.3 - 189.7	175.0	142.4 - 207.6
	Male	436.6	266.6 - 606.5	193.4	155.0 - 231.9	216.4	178.4 - 254.3
	Total	382.5	275.6 - 489.5	174.0	148.8 - 199.3	194.7	169.8 - 219.5
New Zealand	Female	283.9	242.9 - 324.9	99.7	90.4 - 109.0	115.1	106.0 - 124.1
	Male	336.2	288.8 - 383.7	120.6	110.6 - 130.5	137.8	128.0 - 147.7
	Total	308.1	277.1 - 339.1	109.5	102.7 - 116.3	125.8	119.1 - 132.4

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	45.0	-4.4 - 94.4	11.2	2.7 - 19.7	14.5	5.5 - 23.6
	Male	74.3	4.7 - 143.9	16.2	5.6 - 26.8	21.7	10.0 - 33.3
	Total	58.4	17.0 - 99.9	13.6	6.9 - 20.4	18.0	10.7 - 25.3
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
Counties Manukau	Female	327.3	194.5 - 460.0	146.6	106.7 - 186.5	176.3	136.5 - 216.1
	Male	219.5	101.1 - 337.9	70.3	41.7 - 98.9	92.9	62.6 - 123.1
	Total	277.6	187.7 - 367.5	109.3	84.6 - 134.0	136.0	110.7 - 161.2
New Zealand	Female	257.0	216.0 - 298.0	96.1	85.2 - 106.9	119.1	108.1 - 130.1
	Male	130.2	99.5 - 161.0	52.3	44.1 - 60.5	62.9	54.7 - 71.2
	Total	196.4	170.4 - 222.4	74.6	67.8 - 81.4	91.6	84.7 - 98.5

Table 3.1.27: COPD hospitalisation, 45+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	1290.3	1153.3 - 1427.3	273.7	254.7 - 292.7	367.8	346.3 - 389.2
	Male	858.8	733.4 - 984.2	361.5	339.8 - 383.2	403.4	381.2 - 425.7
	Total	1096.1	1002.0 - 1190.3	311.8	297.6 - 326.1	380.6	365.3 - 395.9
New Zealand	Female	1174.3	1132.4 - 1216.2	271.9	266.3 - 277.5	340.6	334.4 - 346.7
	Male	934.7	894.6 - 974.8	314.2	308.3 - 320.1	356.1	350.0 - 362.3
	Total	1057.1	1028.2 - 1086.0	288.8	284.7 - 292.8	344.4	340.0 - 348.7

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	573.0	429.7 - 716.4	397.7	328.3 - 467.1	441.2	378.1 - 504.4
	Male	705.9	552.0 - 859.9	586.5	504.0 - 668.9	617.9	544.9 - 690.8
	Total	641.9	536.4 - 747.5	494.1	440.0 - 548.2	531.7	483.3 - 580.1
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
Counties Manukau	Female	69.8	19.9 - 119.6	65.8	37.4 - 94.2	66.5	42.0 - 91.1
	Male	89.8	35.1 - 144.4	90.7	58.3 - 123.2	90.7	62.7 - 118.6
	Total	80.2	43.0 - 117.3	78.5	56.9 - 100.1	78.9	60.2 - 97.6
New Zealand	Female	89.3	68.7 - 109.8	83.5	72.0 - 95.1	84.8	74.8 - 94.9
	Male	98.1	77.1 - 119.2	99.7	87.4 - 112.1	99.3	88.7 - 110.0
	Total	93.8	79.0 - 108.5	91.8	83.3 - 100.3	92.2	84.9 - 99.6

Table 3.1.30: Burns hospitalisation, 0-14 years, age-standardised rates per 100,000 (and 95% confidence intervals), 2007-09

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	0.0	0.0 - 0.0	6.6	-2.4 - 15.6	6.7	-1.1 - 14.6
	Male	14.0	-8.0 - 35.9	10.2	-0.3 - 20.7	11.1	1.5 - 20.7
	Total	10.7	-3.0 - 24.3	8.4	1.5 - 15.3	9.0	2.8 - 15.2
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
Counties Manukau	Female	884.1	704.9 - 1063.3	685.8	596.2 - 775.5	733.8	653.2 - 814.4
	Male	1129.9	932.5 - 1327.3	992.0	886.8 - 1097.2	1025.0	932.2 - 1117.9
	Total	1009.7	876.0 - 1143.3	842.3	773.0 - 911.7	882.7	821.0 - 944.4
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
Counties Manukau	Female	2130.7	2045.7 - 2215.7	2696.6	2674.8 - 2718.4	2668.4	2647.4 - 2689.4
	Male	2545.2	2434.1 - 2656.2	1906.4	1886.4 - 1926.4	1947.9	1928.2 - 1967.7
	Total	2302.8	2235.4 - 2370.2	2339.9	2325.1 - 2354.8	2346.1	2331.7 - 2360.6
New Zealand	Female	1688.1	1666.7 - 1709.5	2432.8	2427.1 - 2438.6	2402.9	2397.4 - 2408.4
	Male	1417.4	1394.4 - 1440.3	1746.9	1741.7 - 1752.2	1739.8	1734.6 - 1744.9
	Total	1583.8	1568.1 - 1599.5	2134.6	2130.7 - 2138.5	2115.7	2111.9 - 2119.5

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	2800.4	2705.2 - 2895.6	2399.2	2376.1 - 2422.3	2418.0	2395.7 - 2440.3
	Male	2595.9	2486.7 - 2705.0	2170.7	2147.2 - 2194.1	2179.2	2156.4 - 2201.9
	Total	2702.9	2631.7 - 2774.0	2297.4	2280.9 - 2313.8	2311.4	2295.5 - 2327.4
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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	651.9	Respiratory infections	510.3
	Gastroenteritis	455.7	Gastroenteritis	371.2
	Cellulitis	365.2	Dental conditions	301.5
	Dental conditions	302.7	ENT infections	265.7
	Kidney/urinary infection	280.8	Cellulitis	243.5
Male	Respiratory infections	724.1	Respiratory infections	570.2
	Gastroenteritis	436.9	Gastroenteritis	355.3
	Angina	345.2	ENT infections	331.7
	ENT infections	326.5	Dental conditions	319.0
	Dental conditions	321.1	Angina	300.1
Total	Respiratory infections	689.1	Respiratory infections	541.0
	Gastroenteritis	447.2	Gastroenteritis	363.7
	Dental conditions	311.9	Dental conditions	310.3
	Angina	304.9	ENT infections	299.6
	ENT infections	294.8	Angina	258.9

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	816.8	Respiratory infections	742.2
	Asthma	415.6	Dental conditions	441.6
	Gastroenteritis	373.6	Asthma	356.4
	Angina	365.6	ENT infections	355.9
	ENT infections	338.4	Angina	329.4
non-Māori	Respiratory infections	672.0	Respiratory infections	500.0
	Gastroenteritis	474.0	Gastroenteritis	379.7
	Dental conditions	313.1	ENT infections	283.8
	Angina	297.2	Dental conditions	271.8
	ENT infections	283.7	Angina	250.3

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	1514.8	Persons encountering health services for specific procedures and health care	1802.8
	Angina	1478.4	Angina	1499.8
	Persons encountering health services for specific procedures and health care	1200.9	Respiratory infections	1132.4
	Diabetes	1100.7	CORD	968.0
	CORD	1036.6	Other forms of heart disease	955.6
Male	Respiratory infections	2202.2	Persons encountering health services for specific procedures and health care	2367.0
	Angina	1843.0	Angina	1956.7
	Skin cancers	1530.5	Respiratory infections	1721.7
	Persons encountering health services for specific procedures and health care	1472.0	Ischaemic heart disease	1550.1
	Ischaemic heart disease	1459.5	Other forms of heart disease	1232.4
Total	Respiratory infections	1805.7	Persons encountering health services for specific procedures and health care	2059.9
	Angina	1647.7	Angina	1712.2
	Persons encountering health services for specific procedures and health care	1324.7	Respiratory infections	1388.0
	CORD	1201.4	Ischaemic heart disease	1148.7
	Diabetes	1163.1	Other forms of heart disease	1084.0

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	2936.5	Persons encountering health services for specific procedures and health care	7454.5
	CORD	2892.3	CORD	2912.0
	Diabetes	2399.5	Respiratory infections	2597.3
	Angina	2099.5	Diabetes	2074.3
	Congestive heart failure	1773.7	Angina	1943.8
non-Māori	Respiratory infections	1727.5	Persons encountering health services for specific procedures and health care	1705.0
	Angina	1615.0	Angina	1698.8
	Persons encountering health services for specific procedures and health care	1303.6	Respiratory infections	1319.4
	Skin cancers	1188.0	Ischaemic heart disease	1133.2
	Ischaemic heart disease	1109.6	Other forms of heart disease	1069.6

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	585.8	Dental conditions	660.6
	Dental conditions	562.8	Respiratory infections	622.0
	ENT infections	419.0	ENT infections	380.4
	Injuries to the elbow and forearm	344.6	Injuries to the elbow and forearm	337.0
	Persons encountering health services for specific procedures and health care	321.7	Persons encountering health services for specific procedures and health care	311.2
Male	Respiratory infections	670.1	Dental conditions	687.9
	Dental conditions	606.3	Respiratory infections	671.2
	Injuries to the elbow and forearm	501.3	Injuries to the elbow and forearm	520.1
	ENT infections	496.8	ENT infections	457.9
	Persons encountering health services for specific procedures and health care	450.9	Injuries to the head	360.8
Total	Respiratory infections	628.5	Dental conditions	674.6
	Dental conditions	585.0	Respiratory infections	647.1
	ENT infections	458.6	Injuries to the elbow and forearm	430.9
	Injuries to the elbow and forearm	424.5	ENT infections	420.1
	Persons encountering health services for specific procedures and health care	387.3	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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Dental conditions	566.6	Dental conditions	843.1
	ENT infections	558.9	Respiratory infections	644.5
	Respiratory infections	551.3	ENT infections	555.6
	Injuries to the elbow and forearm	517.9	Injuries to the elbow and forearm	425.4
	Cellulitis	397.6	Persons encountering health services for specific procedures and health care	399.2
non-Māori	Respiratory infections	652.9	Respiratory infections	648.9
	Dental conditions	590.8	Dental conditions	619.8
	ENT infections	427.4	Injuries to the elbow and forearm	432.1
	Persons encountering health services for specific procedures and health care	413.0	ENT infections	377.3
	Injuries to the elbow and forearm	395.7	Persons encountering health services for specific procedures and health care	308.2

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Female	Respiratory infections	4909.5	Persons encountering health services in other circumstances	4296.1
	Persons encountering health services in other circumstances	4131.4	Respiratory infections	3688.1
	Disorders related to length of gestation and fetal growth	2274.7	Disorders related to length of gestation and fetal growth	1895.8
	Persons encountering health services for examination and investigation	2044.9	Gastro-oesophageal reflux disease	1561.8
	Gastro-oesophageal reflux disease	1883.8	ENT infections	1005.2
Male	Respiratory infections	6587.9	Respiratory infections	4875.7
	Persons encountering health services in other circumstances	3994.2	Persons encountering health services in other circumstances	4131.4
	Disorders related to length of gestation and fetal growth	2434.5	Disorders related to length of gestation and fetal growth	2016.8
	Persons encountering health services for examination and investigation	2059.6	Gastro-oesophageal reflux disease	1663.2
	Gastro-oesophageal reflux disease	2033.9	ENT infections	1415.5
Total	Respiratory infections	5772.0	Respiratory infections	4295.1
	Persons encountering health services in other circumstances	4060.9	Persons encountering health services in other circumstances	4212.0
	Disorders related to length of gestation and fetal growth	2356.8	Disorders related to length of gestation and fetal growth	1957.6
	Persons encountering health services for examination and investigation	2052.4	Gastro-oesophageal reflux disease	1613.6
	Gastro-oesophageal reflux disease	1960.9	ENT infections	1214.9

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

	Counties Manukau DHB		New Zealand	
	Condition	ASR	Condition	ASR
Māori	Respiratory infections	6355.7	Respiratory infections	5965.2
	Persons encountering health services in other circumstances	2347.0	Persons encountering health services in other circumstances	2422.4
	Disorders related to length of gestation and fetal growth	2056.2	Disorders related to length of gestation and fetal growth	1684.5
	Persons encountering health services for examination and investigation	1644.9	Gastro-oesophageal reflux disease	1311.2
	Gastro-oesophageal reflux disease	1527.9	ENT infections	1270.5
non-Māori	Respiratory infections	5563.5	Persons encountering health services in other circumstances	4825.9
	Persons encountering health services in other circumstances	4672.9	Respiratory infections	3722.1
	Disorders related to length of gestation and fetal growth	2464.2	Disorders related to length of gestation and fetal growth	2051.4
	Persons encountering health services for examination and investigation	2197.9	Gastro-oesophageal reflux disease	1717.4
	Gastro-oesophageal reflux disease	2115.6	ENT infections	1195.9

Appendix 4

Cancer Registration Tables (2005-2007)

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

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

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

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

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

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

DHB ASR statistically significantly higher than national ASR

DHB ASR statistically significantly lower than national ASR

Key:

DHB = District Health Board

ASR = Age-Standardised Rate

Table 4.1.1: Lung cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	117.2	49.0 - 185.4	21.7	12.6 - 30.9	31.0	20.4 - 41.6
	Male	115.2	38.0 - 192.5	35.2	23.3 - 47.0	41.7	29.2 - 54.2
	Total	115.1	64.8 - 165.4	28.0	20.6 - 35.3	35.9	27.8 - 44.0
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
Counties Manukau	Female	138.2	64.9 - 211.5	119.9	94.9 - 144.9	121.1	97.7 - 144.6
New Zealand	Female	167.8	140.8 - 194.7	126.7	118.6 - 134.7	130.4	122.7 - 138.1

Table 4.1.3: Prostate cancer registrations, 25+ years, age-standardised rates per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Male	75.0	14.6 - 135.5	103.3	83.4 - 123.2	101.7	82.7 - 120.6
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
Counties Manukau	Female	14.0	-9.2 - 37.2	11.6	3.3 - 19.9	11.9	4.2 - 19.7
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
Counties Manukau	Female	34.6	-2.6 - 71.9	37.6	25.6 - 49.6	37.5	26.2 - 48.9
	Male	34.2	-9.2 - 77.6	55.0	39.4 - 70.5	53.1	38.5 - 67.6
	Total	34.2	6.2 - 62.2	45.9	36.1 - 55.6	44.8	35.7 - 54.0
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
Counties Manukau	Female	0.0	0.0 - 0.0	36.3	22.7 - 49.9	32.8	20.8 - 44.8
	Male	0.0	0.0 - 0.0	48.8	33.2 - 64.3	44.9	30.9 - 59.0
	Total	5.6	-5.1 - 16.4	42.2	32.0 - 52.5	38.6	29.4 - 47.7
New Zealand	Female	10.0	3.4 - 16.6	55.1	49.5 - 60.7	50.2	45.2 - 55.1
	Male	8.5	1.9 - 15.2	61.4	55.7 - 67.0	56.5	51.4 - 61.5
	Total	9.3	4.6 - 13.9	58.0	54.0 - 61.9	53.1	49.5 - 56.6

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	605.4	561.3 - 649.5	138.5	133.0 - 143.9	172.1	166.1 - 178.0
	Male	616.5	562.9 - 670.0	265.3	257.3 - 273.3	283.0	274.9 - 291.0
	Total	595.6	562.6 - 628.6	195.9	191.2 - 200.6	221.6	216.7 - 226.5
New Zealand	Female	507.3	495.1 - 519.4	145.2	143.6 - 146.9	166.5	164.8 - 168.2
	Male	605.3	590.8 - 619.8	255.1	252.9 - 257.3	276.2	274.0 - 278.4
	Total	553.2	543.9 - 562.6	194.6	193.3 - 196.0	215.9	214.5 - 217.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	462.3	424.2 - 500.4	281.1	273.0 - 289.2	294.8	286.8 - 302.8
New Zealand	Female	435.6	424.3 - 446.9	310.9	308.5 - 313.4	318.5	316.1 - 320.9

Table 4.1.9: Prostate cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Male	606.2	557.6 - 654.7	785.5	771.5 - 799.6	781.1	767.5 - 794.6
New Zealand	Male	756.4	740.0 - 772.8	762.6	758.7 - 766.6	760.3	756.5 - 764.2

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

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	0.0	0.0 - 0.0	23.1	20.9 - 25.4	23.8	21.5 - 26.0
New Zealand	Female	23.7	21.1 - 26.3	11.3	10.8 - 11.7	12.0	11.5 - 12.5

Table 4.1.11: Colorectal cancer registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	259.8	231.1 - 288.5	288.7	280.9 - 296.6	287.2	279.7 - 294.8
	Male	291.1	254.9 - 327.4	373.5	364.1 - 383.0	367.7	358.6 - 376.7
	Total	272.9	250.4 - 295.4	327.2	321.1 - 333.2	323.4	317.6 - 329.2
New Zealand	Female	210.0	202.3 - 217.7	309.7	307.4 - 312.0	304.0	301.8 - 306.3
	Male	344.7	333.8 - 355.5	404.6	401.8 - 407.4	402.6	399.9 - 405.4
	Total	274.5	267.9 - 281.1	353.8	352.0 - 355.6	349.9	348.2 - 351.7

Table 4.1.12: Melanoma registrations, 65+ years, age-standardised rate per 100,000 (and 95% confidence intervals), 2005-07

		Māori		non-Māori		Total	
		ASR	95% confidence	ASR	95% confidence	ASR	95% confidence
Counties Manukau	Female	0.0	0.0 - 0.0	121.6	116.6 - 126.7	114.1	109.5 - 118.8
	Male	0.0	0.0 - 0.0	223.1	215.7 - 230.5	210.4	203.4 - 217.4
	Total	0.0	0.0 - 0.0	168.9	164.6 - 173.3	158.8	154.8 - 162.9
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