



# WAIKATO TA

# HEALTH PROFILE 2015

**DID YOU KNOW?**

**13%**

of the Waikato DHB population lives in Waikato TA

**2ND**

Largest Territorial Authority (TA) in Waikato DHB

**48,273**

people live in Waikato TA

## BIRTHS IN 2014



**52**

births to women 19 years and under



**127**

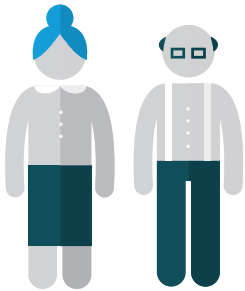
births to women 35 years and over



**699**

Total number of births in 2014

## POPULATION (2013 Census)



**12%**

of the population is 65 years and over



**24%**

of the population is under 15 years old



**8%**

of the population is under 5 years of age

## TRANSPORT

**5%**

of households have no access to a motor vehicle



Males live to around **80** years

Females live to around **83** years



**18%**

of households are single parent



**11%**

of the population live in crowded housing

**31%**

(0-14 years) of the population live in the most deprived areas (9 and 10 NZ Dep)

## SMOKING

**24%**

2006

Regular smokers 15 years and over

**18%**

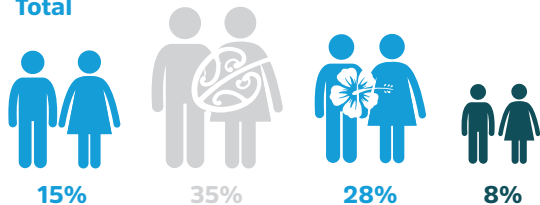
2013

Regular smokers 15 years and over

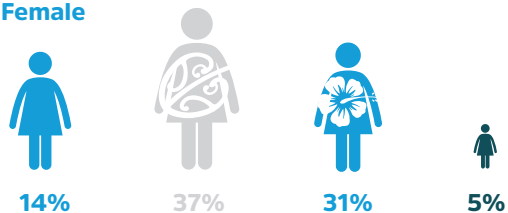


## Percentage of regular smokers within Waikato TA by ethnicity. 2013 Census.

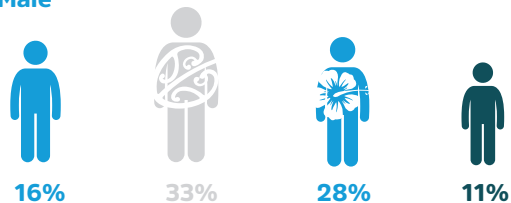
### Total



### Female

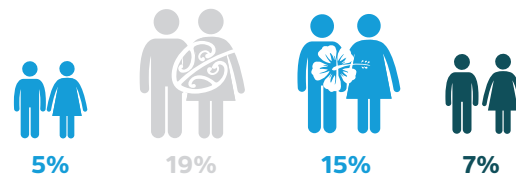


### Male



## Percentage of unemployed people within Waikato TA by ethnicity. 2013 Census

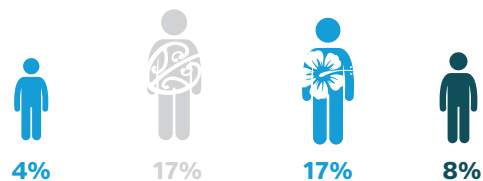
### Total



### Female



### Male



## POPULATION KEY



European



Māori



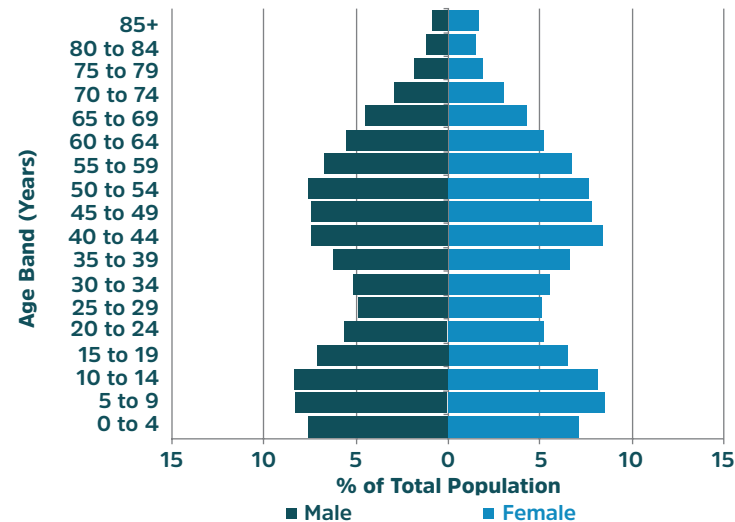
Pacific



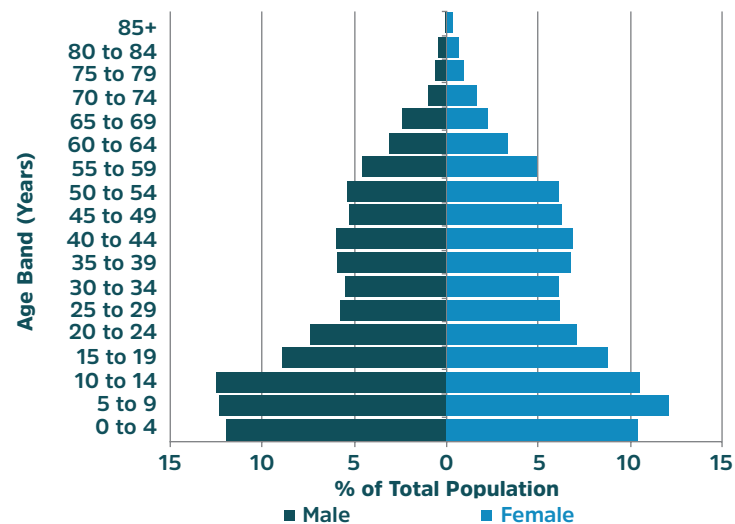
Asian

\*Definition: People aged 15 years and over are defined as employed if they worked for one hour or more for pay or profit, or without pay in a family farm, business or professional practice, or if they had a job but were not at work for some reason.

## Population Age Structure - Waikato TA (2013 Census)



## Population Age Structure - Waikato TA Māori (2013 Census)



## HOSPITALISATIONS AND DISEASE

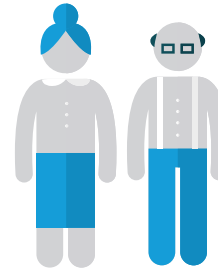
**1 IN 5**

visit the emergency department each year



Most common chronic disease admissions

**65+**  
= COPD & IHD



The

**MĀORI**

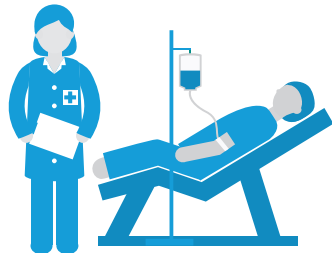
hospitalisation rate for

**TYPE 2 DIABETES**

is significantly higher than in non-Māori

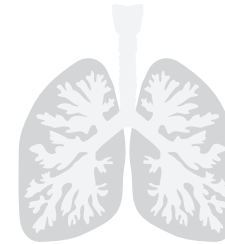
**1 IN 5**

is admitted to hospital each year



Most common among

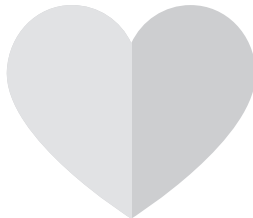
**MĀORI 65+**  
= COPD, HEART FAILURE & TYPE 2 DIABETES



The most common

**CHRONIC DISEASE**

hospitalisations are chronic obstructive pulmonary disease (COPD), ischaemic heart disease (IHD), type 2 diabetes and heart failure.



The Māori hospitalisation rate for

**COPD**  
aged 45+ is  
**5 TIMES**

higher than in non-Māori



**MĀORI**

aged 45-64 have

**10 TIMES HIGHER**

rates for

**HEART FAILURE**

than non-Māori

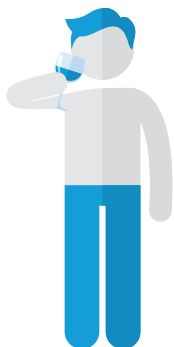


# WAIKATO TA

## KEY FINDINGS

**1 IN 100  
MĀORI  
ADULTS**

are admitted for conditions related to alcohol



**2 OUT OF  
1,000 WOMEN  
45+ are hospitalised for  
BREAST CANCER**

each year

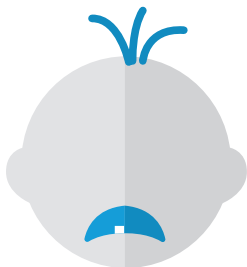


**3 OUT OF 1,000  
MĀORI ADULTS  
are hospitalised for  
SCHIZOPHRENIA**

each year



**1 IN 100  
children have been  
hospitalised for  
DENTAL  
CARIES**



**DENTAL CARIES**

hospitalisations are

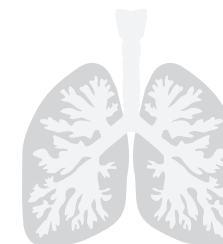
**2 TIMES  
more common in  
MĀORI CHILDREN**

than non-Māori children



**3 IN 100  
MĀORI  
CHILDREN ARE**

hospitalised for respiratory infections each year



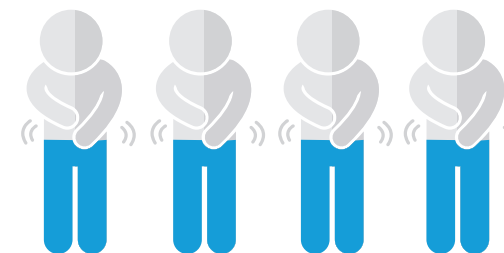
**3 IN 5 PREGNANT WOMEN  
ARE OVERWEIGHT OR  
OBESE DURING PREGNANCY**

(BMI over 25)



**4 OUT OF 1,000  
CHILDREN  
are hospitalised for  
GASTROENTERITIS**

each year



# WAIKATO TA IN 2026

## PROJECTIONS | KEY FINDINGS

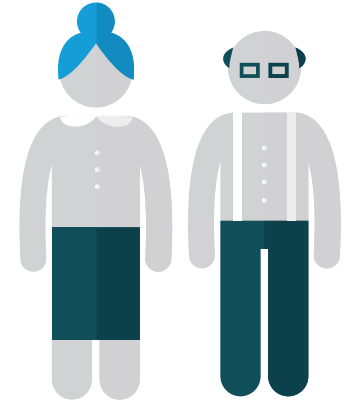
The population of  
**WAIKATO TA**  
will  
**INCREASE  
BY 8%**



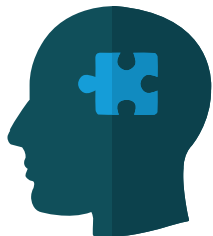
**UNDER 15s**  
will  
**INCREASE  
BY 1%**



**OVER 65s**  
will  
**INCREASE  
BY 48%**



The prevalence of  
**DEMENTIA IN 65+**  
is estimated to  
**INCREASE BY  
90%**



Admissions for  
**CHRONIC DISEASES**  
in 45+ is estimated to  
**INCREASE BY  
30%**



**BREAST CANCER**  
admissions are estimated to  
**INCREASE BY  
13%**



Admissions for  
**MOOD DISORDER  
and  
SCHIZOPHRENIA**  
are estimated to  
**INCREASE  
BY 8%**



## WAIKATO TA KEY HEALTH INDICATOR STATISTICS

Key health indicator statistics for Waikato TA (total and Māori population) compared with the overall Waikato DHB, 2014.

Health indicators	Waikato DHB	Waikato TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
In-patient events per 1,000 population <sup>1</sup>	260.0	222.7*	↑ Increase	277.6	↑ Increase	1.48
Emergency department visits per 1,000 population <sup>2</sup>	265.4	197.3*	-	287.0	-	1.85
Mortality rate per 1,000 population <sup>3</sup>	7.2	5.5*	-	6.0	-	-
Dementia, total with disease <sup>4</sup>	4,303	579	-	55	-	0.4
<i>Hospital stays per 100, 000 population<sup>5</sup></i>						
<b>IHD</b>						
45-64 years	566.0	514.6	≈ No change	758.8	≈ No Change	1.63
65+ years	1856.4	1431.5	≈ No change	1297.3	≈ No Change	0.97
<b>COPD</b>						
45-64 years	330.7	340.5	≈ No change	1075.0	≈ No Change	5.58
65+ years	1473.7	1687.4	≈ No change	5333.3	≈ No Change	4.44
<b>Diabetes type 2</b>						
45-64 years	356.3	393.5	≈ No change	1806.7	≈ No Change	16.56
65+ years	1019.2	1082.3	≈ No change	3243.2	≈ No Change	4.12
<b>Heart failure</b>						
45-64 years	150.4	148.3	≈ No change	596.2	≈ No Change	10.25
65+ years	1129.2	1051.2	≈ No change	3243.2	≈ No Change	4.29
<b>Stroke</b>						
45-64 years	190.0	154.4	≈ No change	433.6	≈ No Change	4.42
65+ years	969.6	902.5	≈ No change	1657.7	≈ No Change	2.18
<b>Renal failure</b>						
45-64 years	50.9	37.8	≈ No change	36.1	≈ No Change	0.95
65+ years	205.3	262.8	≈ No change	324.3	≈ No Change	1.37

Health indicators	Waikato DHB	Waikato TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
Breast cancer, women 45+ years	292.5	243.3	≈ No change	511.8	≈ No change	2.66
Mood disorder <sup>6</sup>	157.5	89.9	≈ No change	96.6	≈ No change	1.41
Schizophrenia <sup>6</sup>	130.2	90.4	≈ No change	250.8	≈ No change	6.01
Disorders due to psychoactive substance use <sup>6</sup>	86.7	63.2	≈ No change	90.9	≈ No change	1.65
Intentional self-harm <sup>7</sup>	149.4	118.6	≈ No change	116.0	≈ No change	0.93
Alcohol related harm and conditions <sup>8</sup>	717.6	545.0	≈ No change	1058.4	≈ No change	-
Respiratory infections aged 0-14 years <sup>9</sup>	2033.9	1571.5*	↑ Increase	2980.4	↑ Increase	3.15
Asthma aged 0-14 years <sup>10</sup>	431.3	336.4	≈ No change	669.3	≈ No change	3.88
Gastroenteritis aged 0-14 years <sup>11</sup>	535.5	426.1	≈ No change	423.5	≈ No change	0.99
Dental caries aged 0-14 years <sup>12</sup>	1041.0	848.4	≈ No change	1437.9	≈ No change	2.45
Rheumatic fever <sup>13</sup>	5.1	6.1	-	25.5	-	26.29
<i>Community care service use per 1,000 population<sup>14</sup></i>						
District nursing	286.4	248.3	-	300.9	-	1.42
Public health nursing	19.2	16.7	-	41.8	-	4.94
Physio-/occupational therapy/dietician	38.9	32.5	-	35.7	-	1.24

Notes: 1-2 Waikato DHB hospital register Costpro, events per 1,000 population, 2014. 3 Events per 1,000 population, 2013. 4 Alzheimer's New Zealand. 5 Age- and ethnicity specific rates, annual average 2010-2014, Costpro. ICD10: ischemic heart disease (IHD) I20-25, chronic obstructive pulmonary disease (COPD) J40-44, J47, diabetes type 2 E11, heart failure I50, stroke I60-I69, renal failure N17-N19, breast cancer C50, 6 Age- and ethnicity-standardised rate per 100,000 population. Standardised to the NZ population. Mood disorder F30-F39, schizophrenia and delusional disorders F20-F29, disorders due to psychoactive substance use, F10-F19. 7 Age- and ethnicity-standardised rate per 100,000 population, ICD10 X60-X84. Standardised to the NZ population, 8 Alcohol attributable fraction weighted admissions, 9 Age- and ethnicity-specific rate per 100,000 population, ICD10 J00-J22, 10 Age- and ethnicity-specific rate per 100,000 population, ICD10 J45-46, 11 Age- and ethnicity-specific rate per 100,000 population, ICD10 A00-A09, 12 Age- and ethnicity-specific rate per 100,000 population, ICD10 K02, 13 Crude rate per 100,000 population, ICD10 I00-I02, 14 Events per 1,000 population, 2011-2014 (annual average), Costpro. Arrows show statistically significant differences over time ( $p < 0.05$ ) - Data not available for comparison. Rate ratios: non-Māori is held as reference category. A ratio above/below 1 means the outcome is more/less common among Māori than non-Māori.

## WAIKATO TA KEY HEALTH INDICATOR STATISTICS

Key socioeconomic indicator statistics for Waikato TA (total and Māori population) compared with the overall Waikato DHB, 2013.

Indicators	Waikato DHB	Waikato TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
<b>Risk behaviours<sup>1</sup></b>						
Regular smokers (15+)	17.2%	17.9%*	↓ Decrease	37.0%	↓ Decrease	2.62
Male	17.8%	18.4%	↓ Decrease	35.5%	↓ Decrease	2.31
Female	16.5%	17.4%	↓ Decrease	38.7%	↓ Decrease	3.00
Regular smokers (15 to 24)	18.1%	19.9%*	↓ Decrease	33.4%	↓ Decrease	2.44
Male	19.0%	21.0%	↓ Decrease	32.6%	↓ Decrease	2.02
Female	17.2%	18.5%	↓ Decrease	33.9%	↓ Decrease	3.11
Smoking in pregnancy	18.7%	24.3%*	-	43.8%	-	5.53
Births to mothers under age 19 per 1,000 births <sup>2</sup>	66.4	74.4	-	143.8	-	9.08
Births to mothers over age 35 per 1,000 births <sup>2</sup>	166.1	181.7	-	131.3	-	0.59
Overweight in pregnancy (BMI 25-29) <sup>2-3</sup>	28.1%	30.8%	-	27.2%	-	0.81
Obese in pregnancy (BMI ≥30) <sup>2-3</sup>	25.5%	27.0%	-	37.5%	-	2.06
<b>Social and economic<sup>1</sup></b>						
Rates of te reo in the home (among Māori)	25.7%	-	-	32.6%*	↓ Decrease	-
Highest qualification: diploma (level 5) and over	25.2%	25.3%	↑ Increase	14.7%	↑ Increase	0.52
No qualification (15+)	25.0%	25.7%*	↓ Decrease	39.2%	↓ Decrease	1.75
Unemployed (percentage of population in labour force)	7.7%	6.9%*	↑ Increase	18.3%	↑ Increase	4.31
Living in crowded housing	9.7%	11.2%	-	-	-	-
Do not own usual residence	50.6%	47.9%*	↑ Increase	71.7%	↑ Increase	1.74
Rented households	37.3%	32.8%*	≈ No change	-	-	-
Households with no access to telecommunications	2.1%	2.2%	↓ Decrease	-	-	-
Households with no access to a motor vehicle	7.1%	4.6%	↓ Decrease	-	-	-
Single parent households	19.0%	17.8%*	≈ No change	-	-	-
Living in high deprivation areas <sup>3</sup>	26.3%	26.9%	↓ Decrease	-	-	-

Notes: 1 2013 Census, 2 2014 National Maternity Collection, MoH, 3 Based on maternal height and weight at first registration with LMC or DHB Primary Maternity Service, 4NZDEP13 index scores of 9 or 10.  
 \*Significantly different from Waikato DHB value. Arrows show statistically significant differences over time (p<0.05) - Data not available for comparison. Rate ratios: non-Māori is held as reference category. A ratio above/below 1 means the outcome is more/less common among Māori than non-Māori.



## WAIKATO TA PROJECTIONS 2026

Current and projected population and health statistics for Waikato TA, 2016-2026

Indicator	Estimated <i>n</i> 2016	Estimated <i>n</i> 2026	Change <i>n</i>	2016-2026 %
<b>Population estimates<sup>1</sup></b>				
Total population	51,640	55,825	4,185	8.1%
Under 15	12,340	12,410	70	0.6%
Over 65	6,995	10,345	3,350	47.9%
<b>Hospital admissions (<i>n</i>)</b>				
IHD, 45+	151	189	39	25.6%
COPD, 45+	143	189	46	32.3%
Diabetes type 2, 45+	115	144	29	25.5%
Heart failure, 45+	80	109	29	35.9%
Stroke, 45+	73	97	25	34.0%
Mood disorder	44	47	4	8.1%
Schizophrenia	44	47	4	8.1%
Gastroenteritis, 0-14	49	50	0	0.6%
Asthma, 0-14	106	106	1	0.6%
Breast cancer (women, 45+)	23	26	3	13.0%
Dementia <sup>2</sup> , prevalence 65+	470	896	426	90.5%

Notes: Projections based on statistics NZ population projections by sex and age, 2016 (base)-2026, medium projection. Estimated admissions 2026 = current number of admissions (annual average 2010-2014) multiplied with the (age-specific) increase/decrease in population. <sup>1</sup>Population estimations for 2016. <sup>2</sup>Number with dementia in 65+ (prevalence 8.1%) based on a 2012 Alzheimer's NZ report. <sup>3</sup>2030, prevalence 8.7%.