

OTOROHANGA TA

HEALTH PROFILE 2015



DID YOU KNOW?

3%

of the Waikato DHB population lives in Otorohanga TA

3RD

Smallest Territorial Authority (TA) in Waikato DHB

9,138

people live in Otorohanga

BIRTHS IN 2014



9

births to women 19 years and under



10

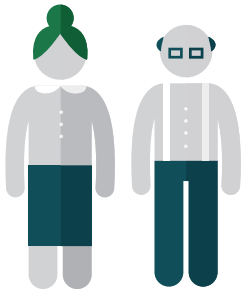
births to women 35 years and over



119

Total number of births in 2014

POPULATION (2013 Census)



13%

of the population is 65 years and over



23%

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 **84** years



15%

of households are single parent



8%

of the population live in crowded housing

28%

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

SMOKING

26%
2006

Regular smokers 15 years and over

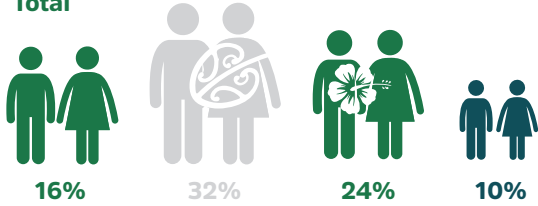
19%
2013

Regular smokers 15 years and over

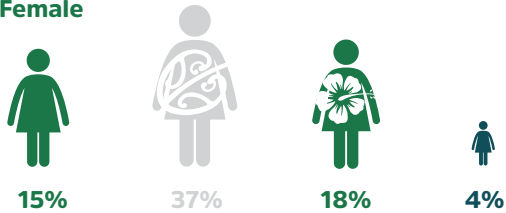


Percentage of regular smokers within Otorohanga TA by ethnicity. 2013 Census.

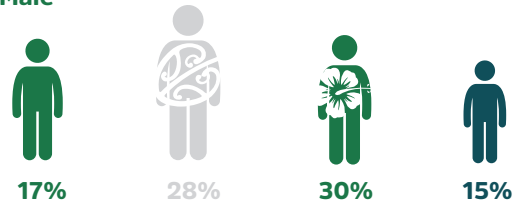
Total



Female

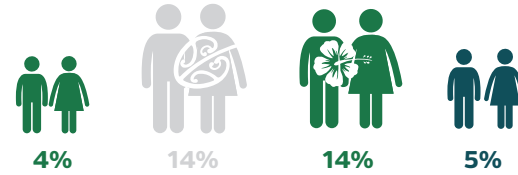


Male

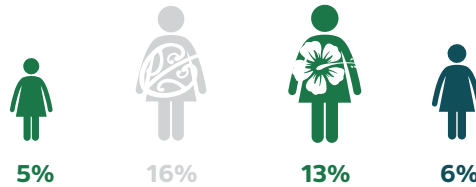


Percentage of unemployed people within Otorohanga TA by ethnicity. 2013 Census

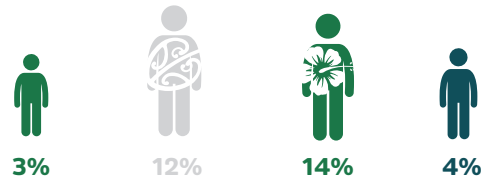
Total



Female



Male



POPULATION KEY



European



Māori



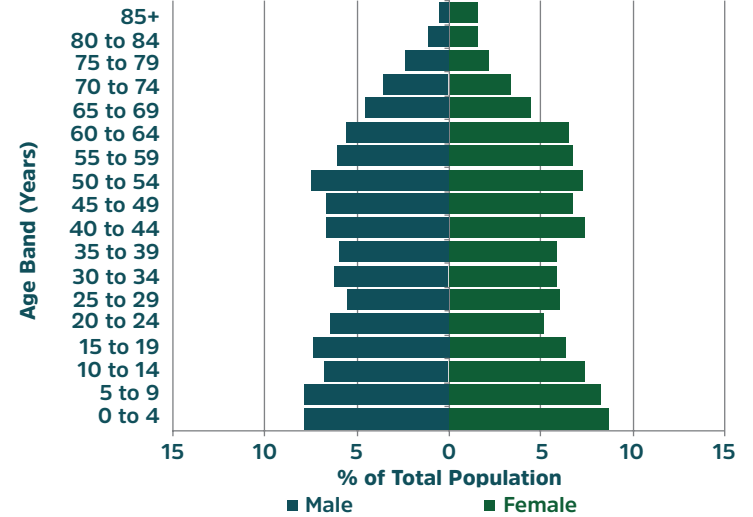
Pacific



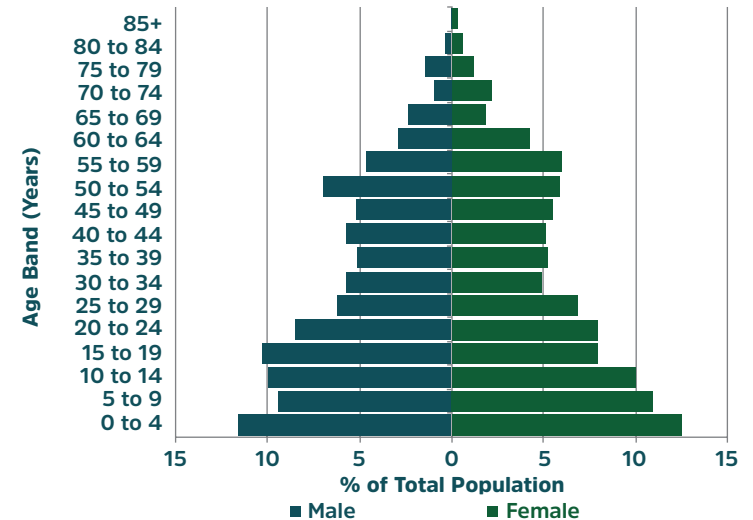
Asian

*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 - Otorohanga TA (2013 Census)



Population Age Structure - Otorohanga TA Māori (2013 Census)



OTOROHANGA TA **KEY FINDINGS**

HOSPITALISATIONS AND DISEASE

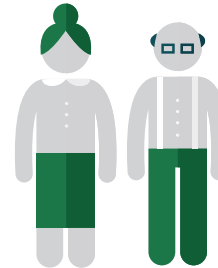
1 IN 4

visit the emergency department each year



Most common chronic disease admissions

**65+
= IHD & HEART FAILURE**



The

MĀORI
hospitalisation rate for
HEART FAILURE & COPD

aged 45-64 are

12 TIMES HIGHER

than in non-Māori



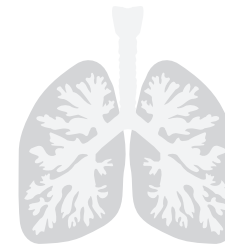
1 IN 4

is admitted to hospital each year



Most common among

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



MĀORI

aged 45-64+ have

**10 TIMES
HIGHER**

rates of

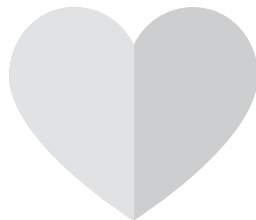
TYPE 2 DIABETES

than non-Māori



The most common
**CHRONIC
DISEASE**

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



Admissions for

MOOD DISORDER

are seen in

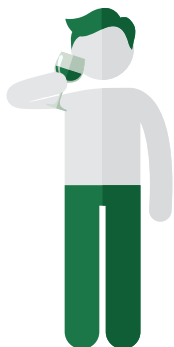
**2 OUT OF
1,000 PEOPLE**



OTOROHANGA TA **KEY FINDINGS**

**7 IN 1,000
MĀORI
ADULTS**

are admitted for conditions related to alcohol



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

each year

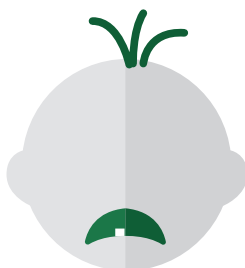


**2 OUT OF 1,000
MĀORI ADULTS**
are hospitalised for
SCHIZOPHRENIA

each year



**16 IN 1,000
CHILDREN**
have been hospitalised for
**DENTAL
CARIES**



DENTAL CARIES

hospitalisations are

70%

more common in

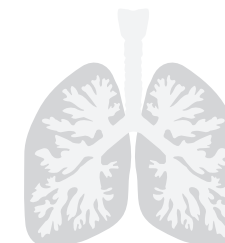
MĀORI CHILDREN

than non-Māori children



**1 IN 100
CHILDREN ARE**

hospitalised for respiratory
infections each year



**1 IN 2 PREGNANT WOMEN
ARE OVERWEIGHT OR
OBESE DURING PREGNANCY**

(BMI over 25)



**5 OUT OF 1,000
CHILDREN**

are hospitalised for

GASTROENTERITIS

each year



OTOROHANGA TA IN 2026

PROJECTIONS | KEY FINDINGS

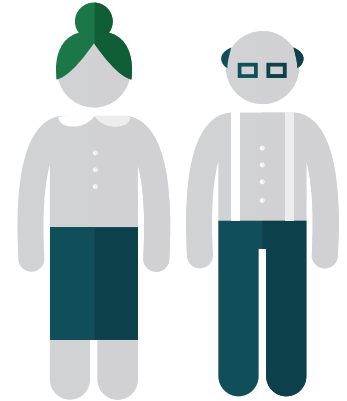
The population of
OTOROHANGA TA
will
DECREASE
BY 5%



UNDER 15s
will
DECREASE
BY 9%



OVER 65s
will
INCREASE
BY 25%



The prevalence of
DEMENTIA IN 65+
is estimated to
INCREASE BY
40%



Admissions for
**COPD &
HEART FAILURE**
in 45+ is estimated to
INCREASE BY
20%



**IHD, TYPE 2
DIABETES
AND STROKE**
are estimated to
INCREASE
BY 10%



Admissions for
**MOOD DISORDER
and
SCHIZOPHRENIA**
are estimated to
DECREASE
BY 5%



OTOROHANGA TA KEY HEALTH INDICATOR STATISTICS

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

Health indicators	Waikato DHB	Otorohanga 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 ¹	260.0	210.3*	↑ Increase	225.8	≈ No Change	1.10
Emergency department visits per 1,000 population ²	265.4	168.7*	-	204.7	-	1.31
Mortality rate per 1,000 population ³	7.2	5.6	-	5.4	-	-
Dementia, total with disease ⁴	4,303	110	-	12	-	0.4
<i>Hospital stays per 100, 000 population⁵</i>						
IHD						
45-64 years	566.0	459.5	≈ No change	503.1	≈ No Change	1.12
65+ years	1856.4	1420.2	≈ No change	1111.1	≈ No Change	0.76
COPD						
45-64 years	330.7	66.8	≈ No change	251.6	≈ No Change	12.06
65+ years	1473.7	1152.9	≈ No change	2500.0	≈ No Change	2.57
Diabetes type 2						
45-64 years	356.3	309.1	≈ No change	1132.1	≈ No Change	10.85
65+ years	1019.2	1203.0	≈ No change	3055.6	≈ No Change	3.20
Heart failure						
45-64 years	150.4	66.8	≈ No change	251.6	≈ No Change	12.06
65+ years	1129.2	1219.7	≈ No change	2500.0	≈ No Change	2.38
Stroke						
45-64 years	190.0	192.1	≈ No change	293.5	≈ No Change	1.76
65+ years	969.6	868.8	≈ No change	555.6	≈ No Change	0.61
Renal failure						
45-64 years	50.9	16.7	≈ No change	41.9	≈ No Change	4.02
65+ years	205.3	167.1	≈ No change	416.7	≈ No Change	3.12

Health indicators	Waikato DHB	Otorohanga 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	251.1	≈ No change	588.2	≈ No change	3.27
Mood disorder ⁶	157.5	211.4	≈ No change	108.5	≈ No change	0.66
Schizophrenia ⁶	130.2	82.4	≈ No change	167.8	≈ No change	3.86
Disorders due to psychoactive substance use ⁶	86.7	30.1	≈ No change	51.5	≈ No change	1.87
Intentional self-harm ⁷	149.4	61.7	≈ No change	84.6	≈ No change	1.34
Alcohol related harm and conditions ⁸	717.6	587.7	≈ No change	724.8	≈ No change	-
Respiratory infections aged 0-14 years ⁹	2033.9	1183.1*	≈ No change	1536.4	≈ No change	1.55
Asthma aged 0-14 years ¹⁰	431.3	292.5	≈ No change	344.4	≈ No change	1.31
Gastroenteritis aged 0-14 years ¹¹	535.5	452.8	≈ No change	317.9	≈ No change	0.60
Dental caries aged 0-14 years ¹²	1041.0	1633.8	≈ No change	2225.2	≈ No change	1.70
Rheumatic fever ¹³	5.1	0.0	-	0.0	-	-
<i>Community care service use per 1,000 population¹⁴</i>						
District nursing	286.4	293.5	-	272.7	-	0.91
Public health nursing	19.2	36.1	-	80.6	-	3.86
Physio-/occupational therapy/dietician	38.9	46.9	-	51.7	-	1.14

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.

OTOROHANGA TA KEY HEALTH INDICATOR STATISTICS

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

Indicators	Waikato DHB	Otorohanga TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
Risk behaviours¹						
Regular smokers (15+)	17.2%	18.6%*	↓ Decrease	32.4%	↓ Decrease	2.25
Male	17.8%	18.8%	↓ Decrease	27.6%	↓ Decrease	1.71
Female	16.5%	18.4%*	↓ Decrease	37.2%	↓ Decrease	2.96
Regular smokers (15 to 24)	18.1%	20.7%	↓ Decrease	31.0%	↓ Decrease	2.08
Male	19.0%	20.7%	↓ Decrease	27.1%	↓ Decrease	1.58
Female	17.2%	20.5%	↓ Decrease	35.7%	↓ Decrease	3.08
Smoking in pregnancy	18.7%	16.8%	-	31.8%	-	3.98
Births to mothers under age 19 per 1,000 births ²	66.4	75.6	-	113.6	-	2.13
Births to mothers over age 35 per 1,000 births ²	166.1	84.0	-	45.5	-	0.43
Overweight in pregnancy (BMI 25-29) ²⁻³	28.1%	20.2%	-	20.5%	-	1.02
Obese in pregnancy (BMI ≥30) ²⁻³	25.5%	27.7%	-	31.8%	-	1.26
Social and economic¹						
Rates of te reo in the home (among Māori)	25.7%	-	-	24.8%	↓ Decrease	-
Highest qualification: diploma (level 5) and over	25.2%	17.6%*	↑ Increase	8.8%	≈ No change	0.43
No qualification (15+)	25.0%	31.9%*	↓ Decrease	44.9%	↓ Decrease	1.60
Unemployed (percentage of population in labour force)	7.7%	5.7%*	↑ Increase	13.6%	≈ No change	3.74
Living in crowded housing	9.7%	8.1%*	-	-	-	-
Do not own usual residence	50.6%	50.7%	≈ No change	70.4%	≈ No change	1.58
Rented households	37.3%	38.7%	≈ No change	-	-	-
Households with no access to telecommunications	2.1%	2.3%	≈ No change	-	-	-
Households with no access to a motor vehicle	7.0%	4.8%	≈ No change	-	-	-
Single parent households	18.8%	15.5%	≈ No change	-	-	-
Living in high deprivation areas ³	26.3%	31.2%*	≈ No change	-	-	-

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.

OTOROHANGA TA PROJECTIONS 2026

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

Indicator	Estimated <i>n</i> 2016	Estimated <i>n</i> 2026	Change <i>n</i>	2016-2026 %
Population estimates¹				
Total population	9,040	8,590	-450	-5.0%
Under 15	2,010	1,835	-175	-8.7%
Over 65	1,265	1,575	310	24.5%
Hospital admissions (<i>n</i>)				
IHD, 45+	28	30	2	8.0%
COPD, 45+	15	19	3	20.2%
Diabetes type 2, 45+	22	24	2	10.3%
Heart failure, 45+	16	19	3	20.4%
Stroke, 45+	15	17	2	11.7%
Mood disorder	20	19	-1	-5.0%
Schizophrenia	7	7	0	-5.0%
Gastroenteritis, 0-14	10	9	-1	-8.7%
Asthma, 0-14	35	32	-3	-8.7%
Breast cancer (women, 45+)	4	4	0	-6.0%
Dementia ² , prevalence 65+	97	136	39	40.1%

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. ¹Population estimations for 2016. ²Number with dementia in 65+ (prevalence 8.1%) based on a 2012 Alzheimer's NZ report. ³2030, prevalence 8.7%.