

Resources Useful for Teaching and Learning from Statistics NZ

We live in a data driven society

Data is increasingly a strategic asset

Everyone wants more statistics and insights from the data we collect.

But data has no value unless it is used

Increasing knowledge and capability of users to understand and use statistics is important.

Real life context

Teaching and learning of Statistics must be grounded in real data and context to continue to be relevant.

Tables from NZ.Stat (table builder replacement)

You can view and download the information you want from large datasets. Some recently added datasets are from the Census and General Social Survey.

Synthetic Unit Record Files (SURFs)

A lot of teaching and learning is about summary statistics. But you can't learn to create them without unit records.

Census 2013

More products from last year's census continue to be released. You can get information about your local neighbourhood in various formats.

Data by theme

Popular queries

Find in Themes



Reset

All Themes



⊕ Agriculture

⊕ Business demography statistics

⊕ 2001 Census

⊕ 2006 Census

⊕ 2013 Census

⊕ Crime

⊕ Disability

⊕ Employment and unemployment

⊕ Housing

⊕ Immigration

⊕ Imports and exports

⊕ Incomes

⊕ Injury

⊕ Justice

⊕ LEED

⊕ Maori

HIDE NAVIGATION

Welcome to the DataHub table viewer

NZ.Stat lets you view and download the information you want from large datasets. then download the table in Excel or CSV format.

Our new quick guide will help you understand the steps to take to customise and do

Need help getting started?

View our
quick guide
here



To customise and download a table

Step 1: Find a dataset by:

- clicking **Choose theme** or **Popular queries** in the left navigation panel
- using the search box in the top right corner.

- ⊕ Productivity
- ⊕ HES
- ⊕ Transport
- ⊖ **People and communities**

- ⊕ Gender (NZGSS)
- ⊕ Housing (NZGSS)

⊖ **Civic Participation (NZGSS)**

- ▣ Civic participation by ethnicity, age, and strength of feeling of belonging to New Zealand, 2008 **i**
- ▣ Civic participation by ethnicity, age, and strength of feeling of belonging to New Zealand, 2010 **i**
- ▣ Civic participation by ethnicity, age, and strength of feeling of belonging to New Zealand, 2012 **i**
- ▣ Civic participation by family type, age, and strength of feeling of belonging to New Zealand, 2008 **i**
- ▣ Civic participation by family type, age, and strength of feeling of belonging to New Zealand, 2010 **i**
- ▣ Civic participation by family type, age, and strength of feeling of belonging to New Zealand, 2012 **i**

- ⊕ Migrants (NZGSS)
- ⊕ Region (NZGSS)

- ⊕ Industry sectors



To customise and download a table

Step 1: Find a dataset by:

- clicking **Choose theme** or **Popular queries** in the left navigation panel
- using the search box in the top right corner.

Step 2: Click on the dataset you're interested in. A default view of the table will be displayed.

Step 3: Use the drop-down menu under **Customise** to select variables or change the table format.

Step 4: Click **Export** to download your table in Excel or CSV format.

More help is available from:

- [NZ.Stat user guide](#)
- [our instructional video](#)
- [our Information Centre](#).

Civic participation by ethnicity, age, and strength of feeling of belonging to New Zealand, 2008

Customise Export

Customise selection

Other selections: [Voluntary work \[1/3\]](#) [Voting at General election \[4/4\]](#) [Voting at local elections \[1/5\]](#) [Strength of feeling of belonging to New Zealand \[4/4\]](#) [Age group \[1/6\]](#) [Ethnic group \[5/5\]](#) Number of cells currently selected: 80

Find in selection



Exact wording or phrase

[Expand all](#)

[Collapse all](#)

[Select items](#)

[Unselect items](#)

Age group

Total All Ages

15-19

20-29

30-44

45-64

65+

[Customise layout](#)

[Customise table options](#)



[View Data](#)

age, and strength of feeling of belonging to New Zealand, 2008





Civic participation by family type, age, and strength of feeling of belonging to New Zealand, 2010

Civic participation by family type,

Civic participation by ethnicity, age, and strength of feeling of belonging to New Zealand, 2012 ⁱ

 Customise  Export

HIDE NAVIGATION

ⁱ → Voting at General election	Total	Yes	No	Under 18 at time of survey
ⁱ → Voting at local elections	Total			
ⁱ → Voluntary work	Total			
ⁱ → Strength of feeling of belonging to New Zealand	Total			
ⁱ → Ethnic group	Total			
				
→ Age group ⁱ				
<input checked="" type="checkbox"/> Total All Ages	3,445,000	2,579,000	695,000	171,000
15-19	295,000	39,000	85,000	171,000
20-29	613,000	367,000	245,000	..
30-44	856,000	667,000	189,000	..
45-64	1,105,000	959,000	146,000	..
65+	576,000	546,000	30,000	..

Synthetic Unit Record Files (SURFs)

Unit records files are about individuals

Unit record files have data for individual persons or units. Each row is a person and each column is a variable.

What does synthetic mean?

We create artificial people that have the same profiles, distributions, averages, and other statistical properties as the real data.

What's the most recent dataset available?

The 2006 Census birth cohort SURF. This dataset contains data of 10,000 newborns (less than one year old) on the night of the 2006 Census.

Where can I get it?

From the SURF for Schools section of the Statistics NZ website. There's a data dictionary and explanatory notes about what it contains.

What variables does it have?

Variables about the mums and dads (not necessarily biological parents) such as age, highest qualification, internet access, NZDep, home ownership

How was it made?

Made by a researcher from Auckland University, based on mixing and matching similar babies together.

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW POWERPIVOT

Cut Copy Paste Format Painter Clipboard

Arial 10 A A B I U Font

Wrap Text Alignment Merge & Center

General Number \$ % .0 .00

Conditional Formatting Table

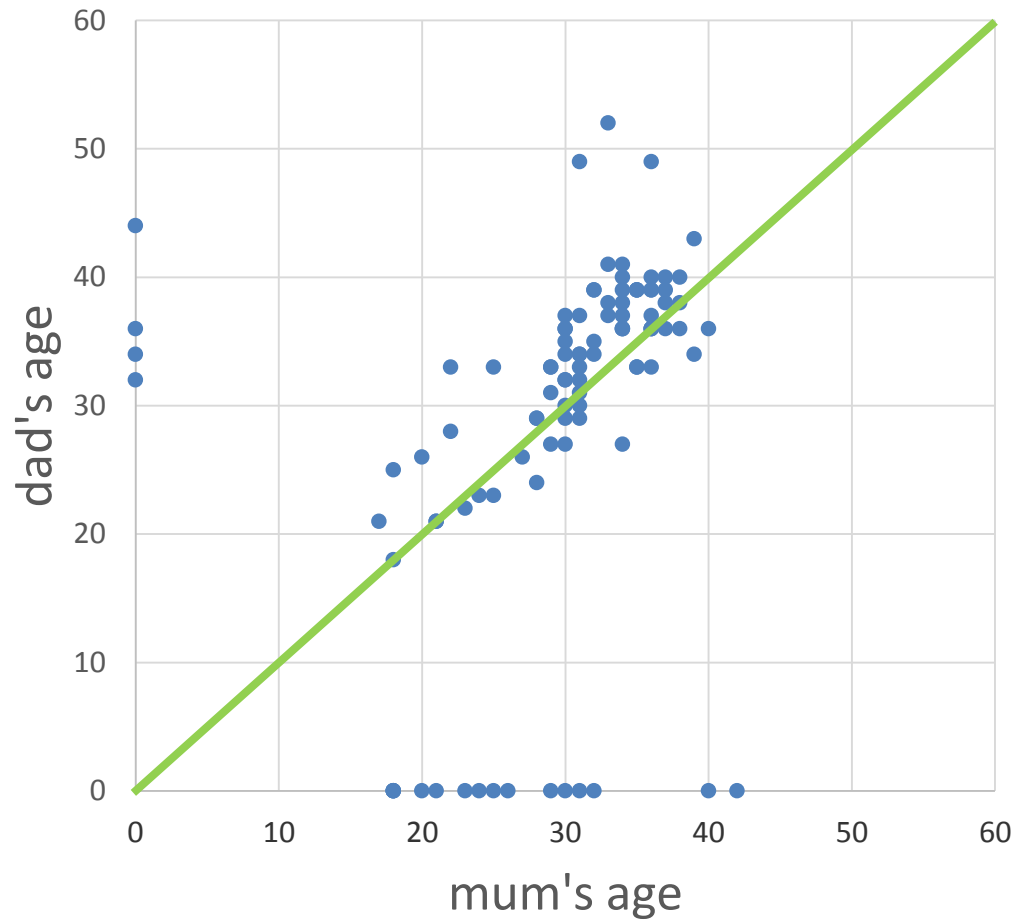
Normal 2 Normal Bad Calculation Check Cell Explanatory Styles

AO21 : X ✓ fx L3/4 school

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	random_ID	NZDep2006	NZDepd0200	ch_euro	ch_maori	ch_melaa	ch_other	ch_pacific	m_age	m_asian	m_euro	m_maori	m_melaa	m_other	m_pacific	m_labour_force	d_a
2	1	9 d09		yes	no	no	no	no	33	no	yes	no	no	no	no	full-time	
3	2	9 d09		yes	no	no	no	no	18	no	yes	no	no	no	no	not in lf	
4	3	2 d02		yes	no	no	no	no	34	no	yes	no	no	no	no	not in lf	
5	4	1 d01		no	no	no	no	yes	28	no	no	no	no	no	yes	not in lf	
6	5	4 d04		no	no	no	yes	no	30	no	no	no	no	yes	no	part-time	
7	6	1 d01		yes	yes	no	no	no	38	no	yes	no	no	no	no	part-time	
8	7	4 d04		yes	no	no	no	no	30		yes	no	no		no	part-time	
9	8	7 d07		yes	no	no	no	no	36	no	yes	no	no	no	no	not in lf	
0	9	5 d05		yes	no	no	no	no	38	no	yes	no	no	no	no	full-time	
1	10	4 d04		yes	yes	no	no	no	36	no	yes	yes	no	no	no	full-time	
2	11	8 d08		yes	no	no	no	no									
3	12	7 d07		yes	no	no	no	no	29	no	yes	no	no	no	no	not in lf	
4	13	2 d02		yes	no	no	no	no	35	no	yes	no	no	no	no	unemployed	
5	14	3 d03		yes	yes	no	no	no	21	no	yes	yes	no	no	no	not in lf	
6	15	3 d03		yes	no	no	no	no	22	no	yes	no	no	no	no	not in lf	
7	16	3 d03		no	no	no	yes	no	29	no	no	no	no	yes	no	part-time	
8	17	10 d10		yes	no	no	no	no									
9	18	3 d03		yes	no	no	no	no	29	no	yes	no	no	no	no	not in lf	
0	19	6 d06		yes	no	no	no	no	28	no	yes	no	no	no	no	part-time	
1	20	10 d10		yes	no	no	no	no	31	no	yes	no	no	no	no	not in lf	
2	21	4 d04		yes	no	no	no	no	30	no	yes	no	no	no	no	part-time	
3	22	10 d10		no	yes	no	no	no	36	no	yes		no	no	no	full-time	
4	23	5 d05		no	no	no	no	no	30	yes	no	no	no	no	no	not in lf	
5	24	2 d02		yes	no	no	no	no	38	no	yes	no	no	no	no	not in lf	
6	25	7 d07		no	yes	no	yes	no	29	no	yes	no	no	no	no	part-time	
7	26	5 d05		yes	yes	no	no	yes	26	no	yes	yes	no	no	no	not in lf	
8	27	6 d06		yes	yes	no	no	no	30	no	yes	yes	no	no	no	not in lf	
9	28	2 d02		no	no	no	yes	no	35	no	no	no	no	yes	no	part-time	
0	29	6 d06		yes	yes	no	no	no	34	no	yes	no	no	no	no	full-time	
1	30	1 d01		yes	no	no	no	no	34	no	yes	no	no	no	no	not in lf	
2	31	4 d04		yes	no	no	no	no	30	no	yes	no	no	no	no	part-time	
3	32	3 d03		yes	no	no	no	no	33	no	yes	no	no	no	no	not in lf	

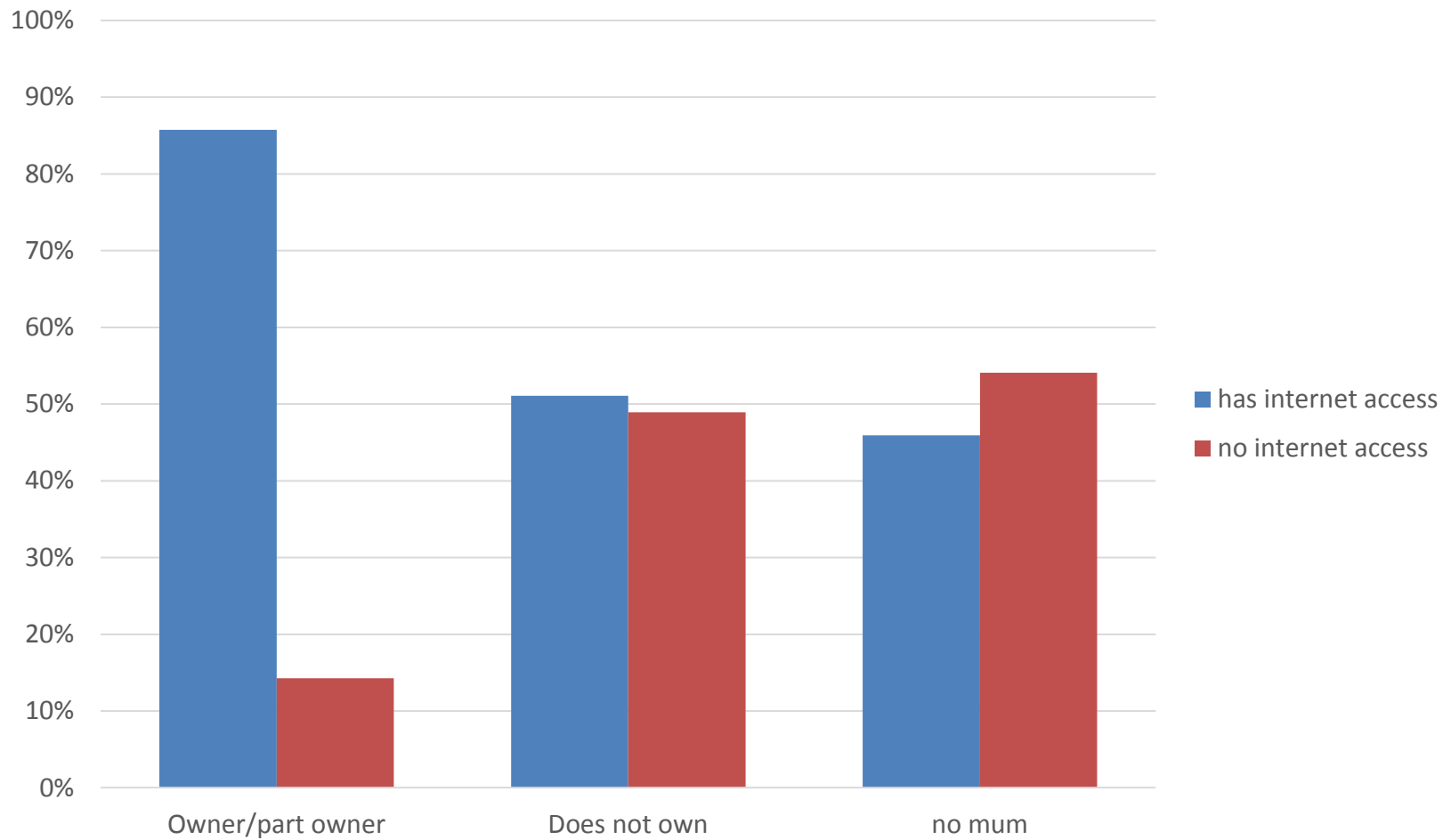
2006 Census birth cohort SURF

Age of newborn parents in 2006



2006 Census birth cohort SURF

Internet access by mum's tenure





QuickStats about a subject / place

Summary reports about New Zealand and its communities, with simple tables and facts about key topics, places, iwi, and ethnic groups



StatsMaps

Statistics about New Zealand and its people in map form



Data tables

Data about a place or a topic in downloadable Excel table format, or in online table-building tool NZ.Stat



Information about census data

Definitions, metadata, and other explanatory information about the census

www.stats.govt.nz

The screenshot shows the homepage of the Statistics New Zealand website. At the top, there is a navigation bar with links for 'Contact us', 'Feedback', and 'Help'. Below this is a search bar with the text 'powered by Google' and a magnifying glass icon. A secondary navigation bar contains links for 'Home', 'Browse for stats', 'Tools and services', 'Methods', 'Help for survey participants', and 'About us'. The main content area features six featured statistics cards, each with an icon and a brief description: 'Population clock' (4,544,389), 'Unemployment Sep qtr' (5.4%), 'CPI Sep qtr' (+0.3%), 'GDP Jun qtr' (+0.7%), 'Visitor arrivals September mth' (193,300), and 'Top statistics'. Below these are sections for 'Latest releases' with three articles: 'Food industries lift retail spending' (17 November), 'Food prices unchanged in October' (13 November), and 'Guest nights up in September' (12 November). To the right, there are social media follow buttons for Facebook, Twitter, and Google+. Further down, there are sections for 'Upcoming releases' (listing Farm Expenses Price Index, Capital Goods Price Index, and Producers Price Index for September 2014), 'Spotlight' (featuring a 'First World War' infographic), and '2013 Census QuickStats' (with a dropdown menu for 'Select an area' and a link to 'or view on a map'). At the bottom, there are sections for 'More releases' (listing dates from 28 October to 11 November), 'A-Z of information releases', and 'Also available'.

Statistics New Zealand
TATAURANGA AOTEAROA

powered by Google

Contact us | Feedback | Help

Home | Browse for stats | Tools and services | Methods | Help for survey participants | About us

Population clock
4,544,389

Unemployment Sep qtr
5.4%

CPI Sep qtr
+0.3%

GDP Jun qtr
+0.7%

Visitor arrivals September mth
193,300

Top statistics

Latest releases

Food industries lift retail spending
17 November
Retail spending increased in the September 2014 quarter, led by rises in the food-related industries.

Food prices unchanged in October
13 November
In October 2014, food prices were unchanged overall from the previous month.

Guest nights up in September
12 November
National guest nights for September 2014 were 6.2 percent higher than in September 2013.

More releases

- 11 November Card spending rises in all retail industries
- 05 November Employment outpaces strongest population growth in 10 years
- 04 November Couples without children increasingly common
- 31 October Dwelling consents down in September
- 30 October One business for every nine New Zealanders as business number grows to new high
- 28 October North American and Asian visitors drive surge in tourist spending

A-Z of information releases

Also available

Follow us (Facebook, Twitter, Google+)

Upcoming releases

- 20 Nov Farm Expenses Price Index: September 2014 quarter
- 20 Nov Capital Goods Price Index: September 2014 quarter
- 20 Nov Producers Price Index: September 2014 quarter

View full release calendar

Spotlight

FIRST WORLD WAR
CHANGING THE FABRIC OF OUR NATION
INFOGRAPHIC

2013 Census QuickStats

Select an area [dropdown]
or view on a map

Quick links

Census

Quick Stats about a place

The screenshot shows the 'QuickStats about a place' interface. At the top, there is a title 'QuickStats about a place' and a subtitle '2013 Census information about your area'. Below this is a dropdown menu labeled 'Select an area' with a red circle containing the number '1' next to it. A red arrow points to the 'View all available areas' link. Below the dropdown menu, there is a list of districts and local board areas. A dashed blue arrow points down to the 'Marlborough District' which is highlighted with a blue bar and a red circle containing the number '2'.

QuickStats about a place
2013 Census information about your area

Select an area 1

Select an area

View all available areas

Or select a district/city or Auckland local board

Far North District
Whangarei District
Kaipara District
Rodney Local Board Area
Hibiscus and Bays Local Board Area
Upper Harbour Local Board Area
Kaipatiki Local Board Area
Devonport-Takapuna Local Board Area
Henderson-Massey Local Board Area
Waitakere Ranges Local Board Area
Great Barrier Local Board Area

Marlborough District 2

Marlborough District
Kaikoura District
Buller District
Grey District

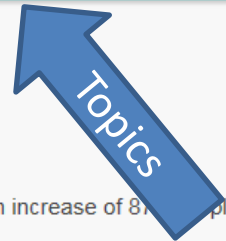
Click on dropdown arrow to make your selection

2013 Census QuickStats about a place: Marlborough District

[View all QuickStats sections for this area +](#)

Population and dwellings

Number of people counted



Total population

- 43,416 people usually live in Marlborough District. This is an increase of 87 people, or 2.0 percent, since the 2006 Census.
- Its population ranks 27th in size out of the 67 districts in New Zealand.
- Marlborough District has 1.0 percent of New Zealand's population.

Population of Marlborough District and New Zealand

2013 Census

Sex	Marlborough District	New Zealand
Male	21,240	2,064,015
Female	22,176	2,178,033
Total people	43,416	4,242,051

Source: Statistics New Zealand

Māori population

- 4,776 Māori usually live in Marlborough District. This is an increase of 501 people, or 11.7 percent, since the 2006 Census.



Share



Tweet



Links

- [Go to related Table\(s\)](#)
- [Go to related StatsMap](#)
- [View as PDF](#)
- [Choose a different place](#)
- [View related poster](#)

Related pages

- [Go to related definitions](#)

2013 Census QuickStats about a place: Marlborough District

[View all QuickStats sections for this area !\[\]\(99f58673407353e96a019fbca558fd72_img.jpg\)](#)

[Population and dwellings](#)

[Age and sex](#)

[Cultural diversity](#)

[Relationship status](#)

[Qualifications](#)

[Work](#)

[Income](#)

[Families](#)

[Households](#)

[Phone, fax, and Internet](#)

[Transport](#)

[Housing](#)

[Business](#)



Share



Tweet



Links

[Go to related Table\(s\)](#)

[Go to related StatsMap](#)

[View as PDF](#)

[Choose a different place](#)

[View related poster](#)

Related pages

[Go to related definitions](#)

Population and dwellings

Number of people counted

Total population

- 43,416 people usually live in Marlborough District. This is an increase of 870 people, or 2.0 percent, since the 2006 Census.
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Population and dwellings

Number of people counted

Total population

- 43,416 people usually live in Marlborough District. This is an increase of 870 people, or 2.0 percent, since the 2006 Census.
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Population of Marlborough District and New Zealand

2013 Census

Sex	Marlborough District	New Zealand
Male	21,240	2,064,015
Female	22,176	2,178,033
Total people	43,416	4,242,051

Source: Statistics New Zealand

Additional information of the region

Māori population

- 4,776 Māori usually live in Marlborough District. This is an increase of 501 people, or 11.7 percent, since the 2006 Census.
- Its Māori population ranks 30th in size out of the 67 districts in New Zealand.
- Less than one percent of New Zealand's Māori population usually live in Marlborough District.

Māori population of Marlborough District and New Zealand

2013 Census

Sex	Marlborough District	New Zealand
Male	2,334	288,639
Female	2,439	309,966
Total people	4,776	598,602

Source: Statistics New Zealand

Note: Total population figures are for the census usually resident population count.

The Māori population is the Māori ethnic group usually resident population count. It includes those people who stated Māori as being either their only ethnic group or one of several ethnic groups.

2013 Census QuickStats about a place: Marlborough District

[View all QuickStats sections for this area ↕](#)

[Population and dwellings](#)

[Age and sex](#)

[Cultural diversity](#)

[Relationship status](#)

[Qualifications](#)

[Work](#)

[Income](#)

[Families](#)

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[Business](#)



Share



Tweet



Links

[Go to related Table\(s\)](#)

[Go to related StatsMap](#)

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Population and dwellings

Number of people counted

Total population

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Statistics New Zealand TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

Springlands

Number of people	4,254
Median age	47.9
Median personal income	29,500
Number of households	1,584

[View QuickStats](#)
Source: 2013 Census meshblock dataset
Source: 2013 Census

Clear Selection

Select a variable to compare across areas

Number of people

Apply

SPRING CREEK

BLENNHEIM

RIVERLANDS

N W I C I

1 : 75,000
0 1 2km

Give feedback Help

Change Basemap
Grey

New Zealand Government

Statistics New Zealand
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StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

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[View QuickStats](#)
[Source: 2013 Census meshblock dataset](#)
Source: 2013 Census

Clear Selection

Select a variable to compare across areas

Number of people

Apply

1 : 75,000
0 1 2km

Give feedback Help

Grey NZ Map Blank Map

Photographic

RIVERLANDS

NEW ZEALAND

NEW ZEALAND GOVERNMENT

Statistics New Zealand
TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

Springlands

Number of people	4,254
Median age	47.9
Median personal income	29,500
Number of households	1,584

[View QuickStats](#)
Source: 2013 Census meshblock dataset
Source: 2013 Census

Clear Selection

Select a variable to compare across areas

Number of people

Apply

NZ Map with area unit boundaries

Statistics New Zealand TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

New Zealand

Number of people	4,242,051
Median age	38
Median personal income	28,500
Number of households	1,549,890

Select a variable to compare across areas

Number of people

Apply

NZ Map with meshblock boundaries

1 : 20,000
0 0.3 0.6km

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Statistics New Zealand TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

New Zealand

Number of people	4,242,051
Median age	38
Median personal income	28,500
Number of households	1,549,890

Select a variable to compare across areas

Number of people

Apply

Boundaries: Regions Territories Area units **Meshblocks**

Give feedback Help

Change Basemap
Photographic

Statistics New Zealand TATAURANGA AOTEAROA

0 0.5 1 km

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Photo view of
meshblocks

Statistics New Zealand TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

2297700

Number of people	15
Median age	58.5
Median personal income	45,000
Number of households	6

Source: 2013 Census meshblock dataset

Clear Selection

Select a variable to compare across areas

Number of people

Apply

0 0.3 km

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Statistics New Zealand TATAURANGA AOTEAROA

StatsMaps

2013 Census map – QuickStats about a place Change map

Boundaries: Regions Territories Area units Meshblocks

Search (select a search type)

Refresh map Share map Print map

Select time period

2001 2006 2013

2298502

Number of people	72
Median age	29.2
Median personal income	27,500
Number of households	30

Source: 2013 Census meshblock dataset

Clear Selection

Select a variable to compare across areas

Number of people

Apply

0 0.3km

Give feedback Help

Change Basemap
Topographic

Statistics New Zealand TATAURANGA AOTEAROA

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New Zealand Government

Dwellings

As a result of the earthquakes, the increase in unoccupied dwellings in greater Christchurch was 81.1 percent, much higher than the national average of 16.4 percent.

Change in number of unoccupied dwellings
By greater Christchurch area unit
2006–2013 Censuses

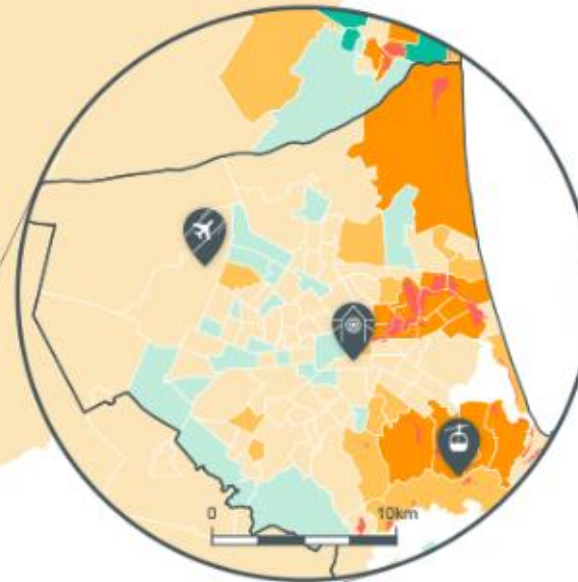
+16.4%
New Zealand

+77.7%
Waimakariri district

+26.3%
Selwyn district

+88.4%
Christchurch city

Christchurch city enlargement



Key

Change in number of unoccupied dwellings



★ FIRST WORLD WAR ★
CHANGING THE FABRIC OF OUR NATION

NEW ZEALAND

1911

1911 CENSUS POPULATION
1,058,312 52.8% MALE
 47.2% FEMALE
 NORTH ISLAND 563,783 SOUTH ISLAND 444,785

GROCERY BILL (NEW ZEALAND PENNIES)

MILK ¼ gallon	EGGS 1 dozen	HONEY 1 pound	KEROSENE 4 gallon tin
3.8	16.0	4.8	51.0



GOING TO WAR

1914

20–40 years
eligible age

Under 76kg
eligible weight

14,000 volunteered in the first week.

10 troop ships in the main body of the New Zealand Expeditionary Force on 16 October 1914.

8,500 troops **4,000** horses

Over 500
troops left in what was called the Native Contingent on board the SS *Warrimoo* in February 1915.

GALLIPOLI
APRIL–DECEMBER 1915

2,779
troops died at Gallipoli.

1 in 6 of NZ WWI deaths

THE FRONTLINE

1916

1916 CENSUS POPULATION
1,149,225 50.3% MALE
 49.7% FEMALE
 42,656 TROOPS ABROAD ON CENSUS NIGHT NOT INCLUDED IN CENSUS FIGURE

GROCERY BILL (NEW ZEALAND PENNIES)

MILK ¼ gallon	EGGS 1 dozen	HONEY 1 pound	KEROSENE 4 gallon tin
4.8	20.5	7.6	61.8