

# 2023 Census Your Place, Your Data

Online session
11 April 2025



# What we will cover today



- 2023 Census overview
- Local data and insights
- Ways to access and use 2023 Census data
- What is still to come
- Other regional data available
- Q&A
- Refreshments

# New Zealand Census of Population and Dwellings



The New Zealand Census of Population and Dwellings is a nationwide survey that provides an official count of people and dwellings in Aotearoa New Zealand.

The information collected helps government, councils, iwi, community groups, and businesses make decisions about and plan services that affect us all, such as:

- Future housing and service needs of communities
- Public transport, roading and infrastructure
- Schools and education facilities
- Electoral boundaries
- Community projects and social investment and more...







# **Key changes for the 2023 Census**



- Earlier and ongoing engagement with iwi-Māori and communities
- More assistance to complete census forms
- More focus on accessibility, alternate formats, and language support
- Earlier and localised communications and marketing
- A combined census model by design
- New content added, for example gender and sexual identity questions

<u>Collection model for the 2023 Census</u> <u>Communications, marketing, and engagement strategies</u> <u>for the 2023 Census</u>

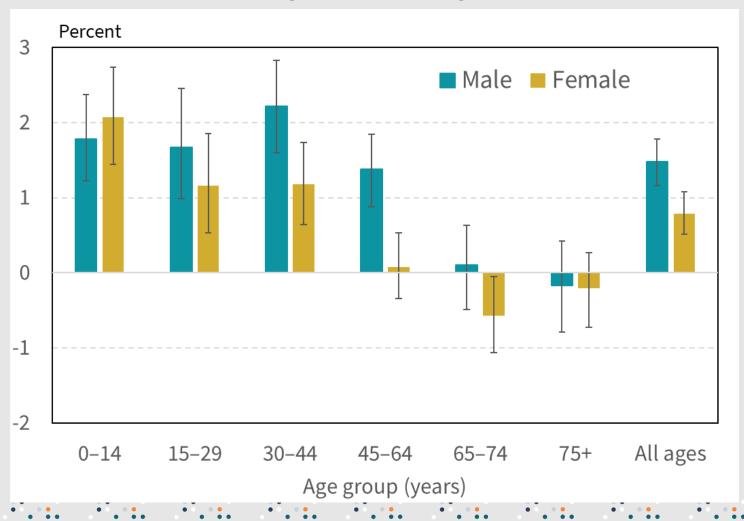
## **Coverage and response in the 2023 Census**



The post-enumeration survey (PES) is an independent survey carried out shortly after the census, to measure how many people were missed, and how many were counted more than once or in error

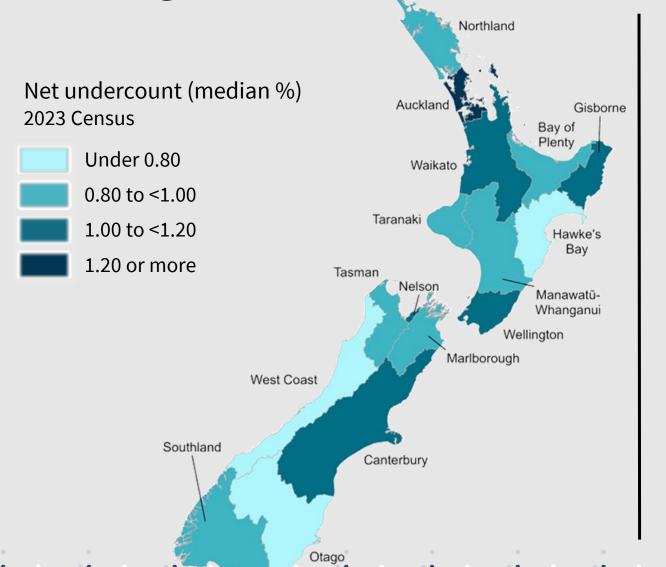
- PES results released in December 2024 provide the official measures of census coverage and response
- A comprehensive coverage report is scheduled for release on 24 April 2025
- Post-enumeration Survey: 2023

### Net undercount by age and selected gender, 2023 Census



# Coverage and response in the 2023 Census





	2018	2023		
National net coverage rate (%)				
NZ total	97.4	98.9		
National response rate (%)				
NZ total	85.8	87.6		
Māori descent*	72.8	77.3		
Pacific ethnicity	72.0	79.2		

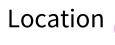
<sup>\*</sup>Māori descent electoral concept

Measuring the success of 2023 Census

# **Topics and concepts**

**Activity limitations** 

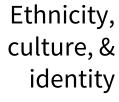








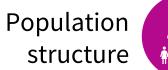
Transport







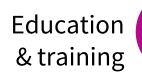
Housing







Families & households







Work & income

Health

# Main content changes in census data outputs from 2018 to 2023 Censuses

#### **New content**

- Gender (male, female, another gender) and sex at birth replace sex
- Rainbow indicator, sexual identity, cisgender and transgender indicator, variations of sex characteristics
- Families and households by ethnicity, families and households by Māori descent
- Private dwellings in a registered retirement village.

### Derived variables being published as part of the census suite of tables

- Household crowding index
- Severe housing deprivation, in collaboration with Te Tūāpapa Kura Kainga Ministry of Housing and Urban Development
- NZ Deprivation Index, in collaboration with University of Otago
- Equivalised household income.



# **New LGBTIQ+ related concepts**

### **Cisgender and transgender status**

Refers to the relationship between someone's sex at birth and their gender.

- "Cisgender" refers to a person whose sex at birth and gender are the same.
- "Transgender" refers to a person whose sex at birth and gender are different.

Data for the transgender population includes data for those who responded "another gender".

### **Sexual identity**

Includes heterosexual (or straight), homosexual (gay or lesbian), bisexual, and other sexual identities.

### **Variations of sex characteristics (intersex)**

Those who know they were born with a genetic, hormonal, or physical sex characteristics that do not conform to medical norms for female or male bodies.

### Belonging to the LGBTIQ+ population in general

We also produce data for the LGBTIQ+ population as a whole, which combines the categories transgender, sexual minorities, and people born with a variation of sex characteristics. Note people can belong to one or more of these categories.



# **Population**

### Our places of birth

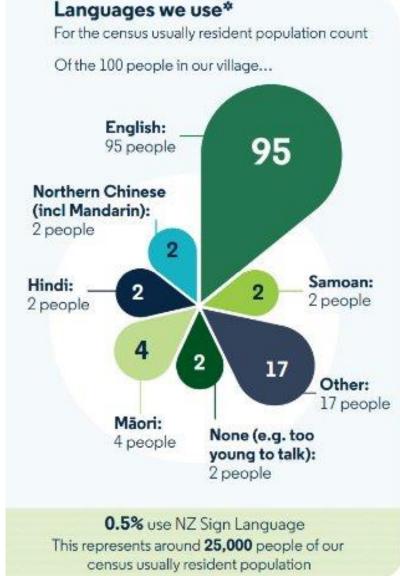
Of the 100 people in our village...



### Top 5 overseas birthplaces



- Our population grew 6.3% between 2018 and 2023
- 3 in 4 people lived in the North Island, and 1 in 3 people lived in Auckland in 2023
- 1 in 5 people were of Māori descent
- Around 1 in 20 adults belonged to Rainbow or LGBTIQ+ communities.
- The median age was 38.1 years



### **Work and income**



### Work status of our villagers

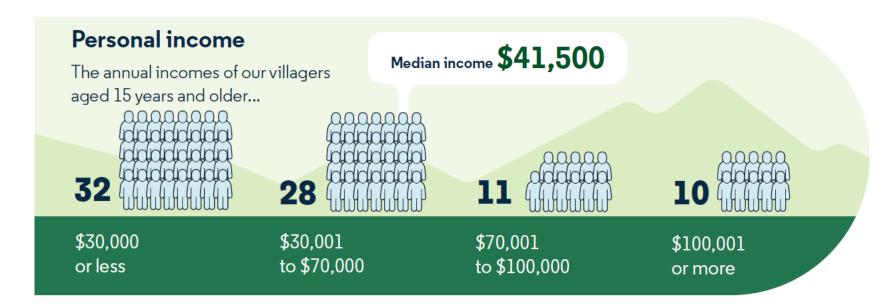
Of our 81 villagers aged 15 years and over...





### **Unpaid activities and voluntary work**

- Household tasks were the most common unpaid activity, undertaken by almost 3 million people (85.9%).
- More than 400,000 people (12.3%) said they looked after a child not belonging to their own household.
- Nearly half a million people (13.4%) did other unpaid help or voluntary work, a decrease of 4.6% compared to 2018.



# Housing



### Median weekly rent increased

The median weekly rent paid by households increased to \$450 in 2023, up from \$340 in 2018 (up 32.4%)

### Home ownership rate up slightly since 2018

In 2023 66.0% percent of households owned their dwelling or held it in a family trust, compared to 64.5% in 2018.

### Homes are getting healthier

Decrease in the number of homes that always or sometimes had mould (larger than an A4 sheet of paper):

**14.0%** (223,959) in 2023, compared to **16.9%** (252,855) in 2018

Decrease in the number of homes that were always or sometimes damp:

**18.1%** (288,249) in 2023, compared to **21.5%** (318,891) in 2018



### Households

# Stats NZ Tatauranga Aotearoa

### **Household types**

- 'Couple with child(ren)' was the most common household type.
- Nearly 1 in 4 households were one-person only.
- Women and people aged 65 years and over were most likely to live alone.

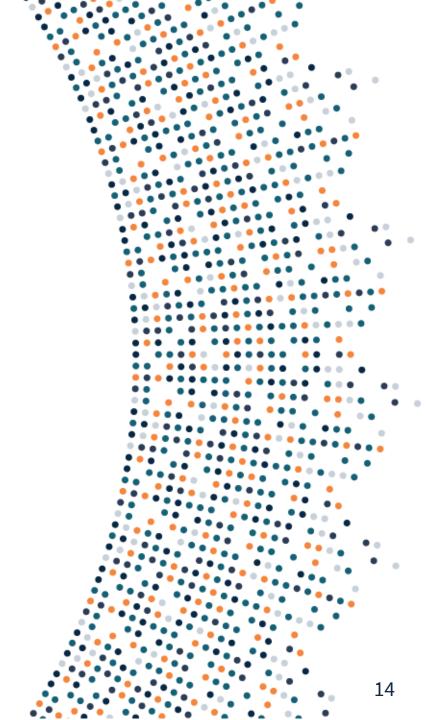
# More than 100,000 households were crowded Major decline in telephone access and increase in internet

- Household access to a landline telephone halved between 2018 and 2023, falling to 31.0% compared with 62.5% in 2018 and 85.5% in 2013.
- Most households (93.5%) had access to a cellphone.
- Household internet access increased to 90.5% in 2023. In 2018, this rate was 86.1% in 2018





# Where to access 2023 Census data







### **Stats NZ**

2023 Census | Stats NZ

News and stories	<ul><li>News stories</li><li>Information releases</li><li>Infographics</li></ul>
Interactive summaries	<ul><li>Webmaps</li><li>Place and ethnic group summaries</li></ul>
Tables and data transfer	<ul><li>Aotearoa Data Explorer</li><li>Geospatial files</li></ul>

### **Other sources**

- <u>Te Whata</u>
- Figure.NZ

### **Te Whata**



### 2023 Census data by iwi affiliation and Māori descent is available on Te Whata.

- Te Whata is a by iwi, for iwi data platform developed by Te Kāhui Raraunga, the operational arm of the Data Iwi Leaders Group.
- On Te Whata, datasets are presented in ways that are meaningful and relevant to Iwi Māori.
- View Te Whata at <u>tewhata.io</u>

### **Geographic areas**



Geographic area	Example	Usual residents, 2023 Census		
New Zealand	New Zealand total	4,993,923		
Regional Council	Canterbury Region	651,027		
Territorial Authority and Auckland Local Board	Christchurch City	391,383		
SA3 (new)	Riccarton	9,993		
SA2	Riccarton West	3,675		
SA1	7035906	84		

There are also urban-rural, ward, and new health geographies.

Geographic Boundary Viewer

# **Infographics**

Aotearoa New Zealand as a village of 100 people presents an overview of New Zealand's population based on 2023 Census data. It describes our population as if the country were a village of 100 people.

# Ngā tino wāhi whānautanga o tāwāhi

12 i whānau i Āhia

**5** i whānau i Piritene

Nui me Airani

4 i whānau i ngā

Moutere o

Te Moana-nui-a-Kiwa

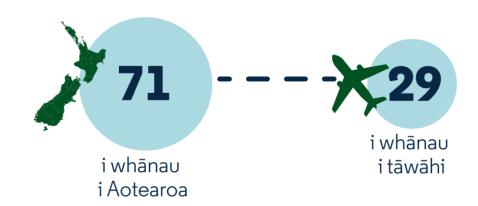
**3** i whānau i Rāwhiti Waenga me Āwherika

**2** i whānau i Ūropi (hāunga a Piritene Nui me Airani)

### Ō tātou wāhi whānau

O ngā tāngata 100 i tō tātou kāinga iti...





Embedded on the webpage, with a text alternative below. Te reo Māori and English versions are downloadable as PDFs.

Other infographics by:

- ethnicity
- <u>region</u>
- <u>Māori descent</u>

# Geospatial files and webmaps



2023 Census maps and data (arcgis.com)

### Webmaps

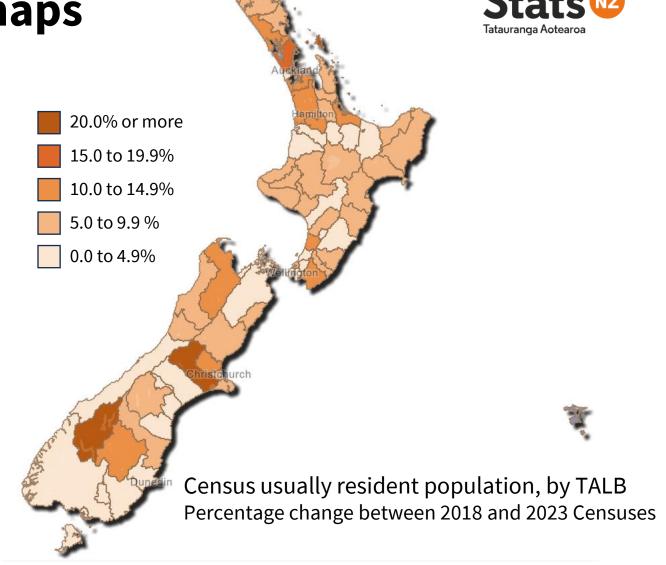
Webmaps show how the population of an area has changed between the 2018 and 2023 Censuses by:

- age
- ethnicity
- Māori descent population
- population overall.

They also show change in private dwellings between the 2018 and 2023 Censuses

### **Geospatial files**

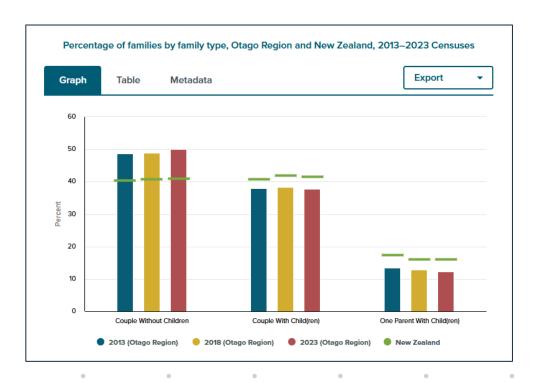
Download data files from Datafinder and ArcGIS Online for your geographic information system (GIS)



# Place and ethnic group summaries



Place and ethnic group summaries presents data summaries for places in New Zealand, and for ethnic groups living in New Zealand, as simple graphs and tables.



### **Key features:**

- We've added address search and a map you can select areas from to make it easier to find a place
- Compare any two places or any two ethnic groups
- Inclusion of non-census data: population estimates, business demography, building consents, household labour force survey, child poverty, wellbeing
- Ability to customise what data you see, and print and share.

### **User guides:**

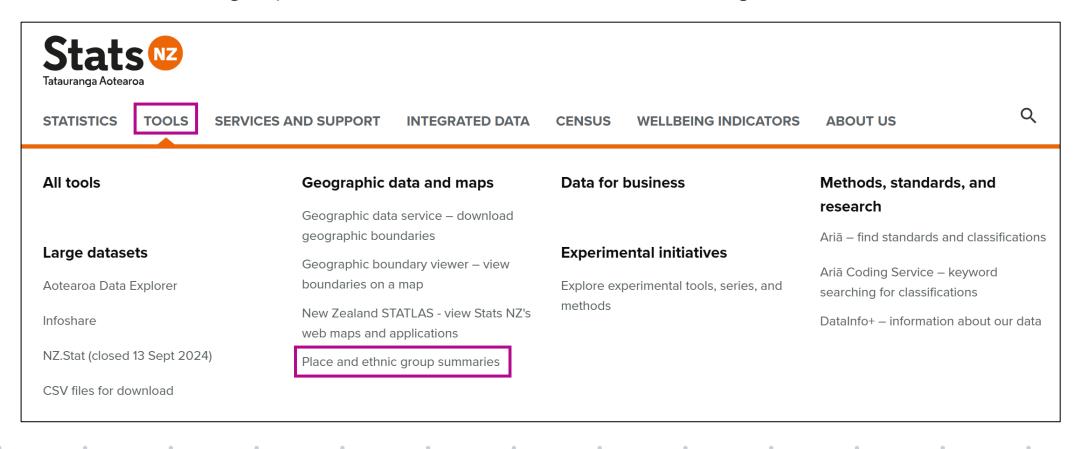
Place and ethnic group summaries user guide | Stats NZ Place and ethnic group summaries - YouTube

## Finding data in Place and ethnic group summaries



Go to **stats.govt.nz** 

Place and ethnic group summaries is found under the 'Tools' heading



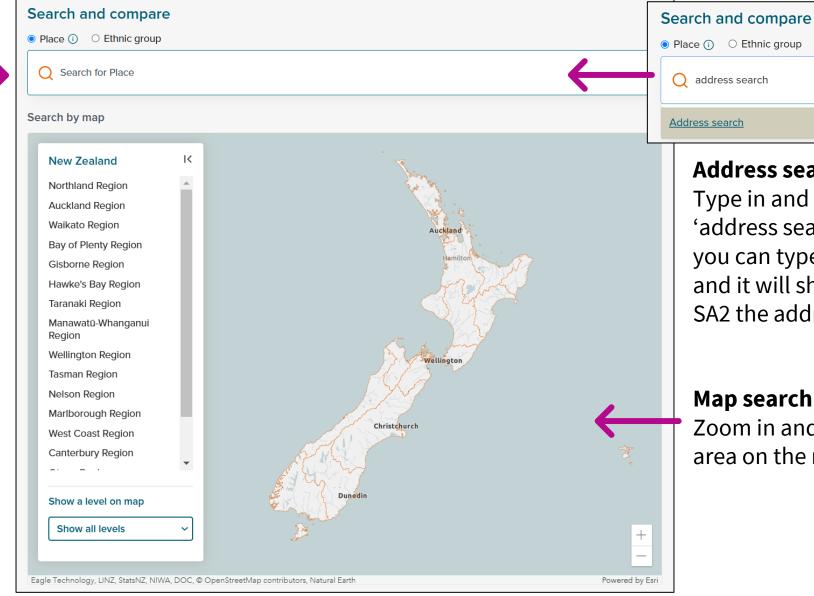
Search for a place using:

#### Place search

Type the name of a place and select from the drop-down list

#### Area list

Clicking on an area will list areas from the geographic area below



#### Address search

Type in and then select 'address search'. Now you can type an address and it will show you the SA2 the address is in

### Map search

Zoom in and click on an area on the map

# **Aotearoa Data Explorer**



<u>Aotearoa Data Explorer</u> (ADE) is our new data tool that has replaced NZ.Stat.

You can use this tool to customise, view, and download detailed data tables.

### **Key features**

- Allows single CSV downloads of the biggest census tables
- Timeouts are no longer a problem
- Improved navigation and search functionality.

### **User guides:**

Aotearoa Data Explorer user guide | Stats NZ |
Stats NZ's Aotearoa Data Explorer (ADE) - YouTube

### **Dimensions of data**





The concepts we're looking at

Who
Subject
population

Ethnicity (detailed total responses level 4), age, and gender for the census usually

resident population count, (RC, TALB, Health), 2013, 2018, and 2023 Censuses

Where

What geographic areas

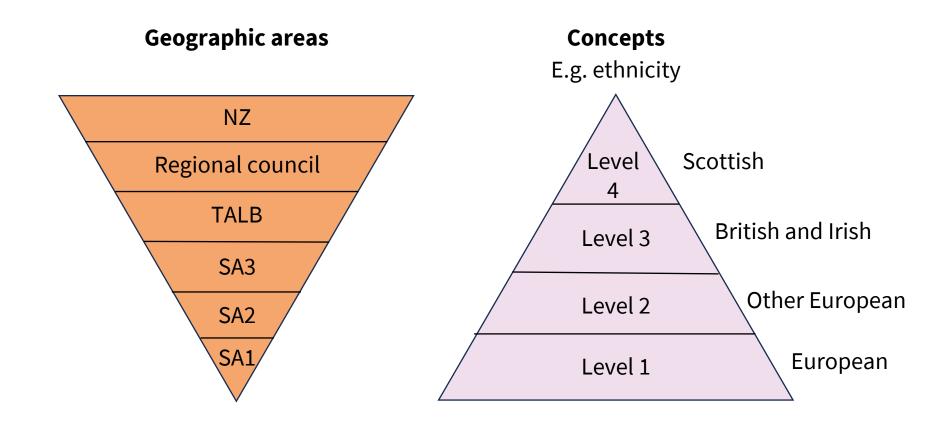
When

What census years

# Levels of geographies and classifications



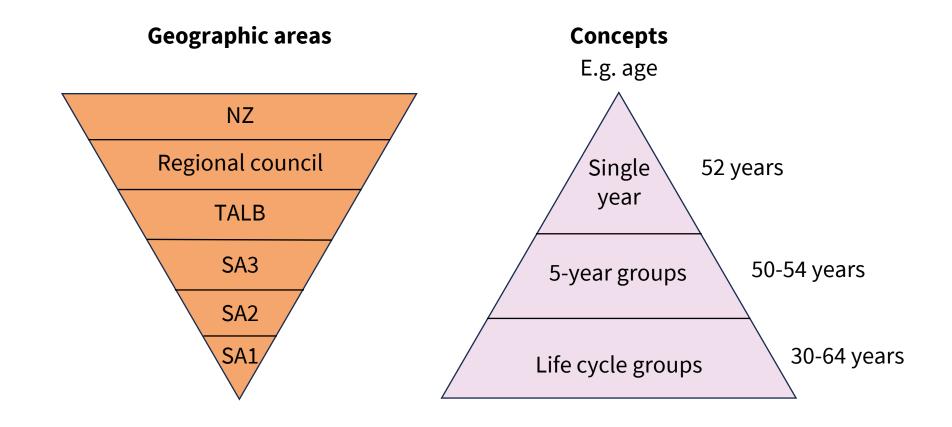
Getting more detail in one dimension may mean less detail in another dimension.



# Levels of geographies and concepts



Getting more detail in one dimension may mean less detail in another dimension.

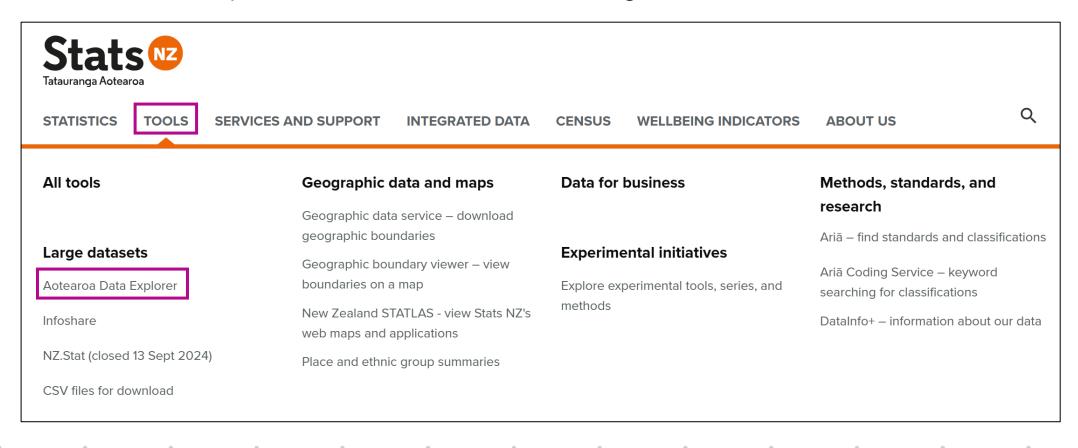


# Finding data in Aotearoa Data Explorer



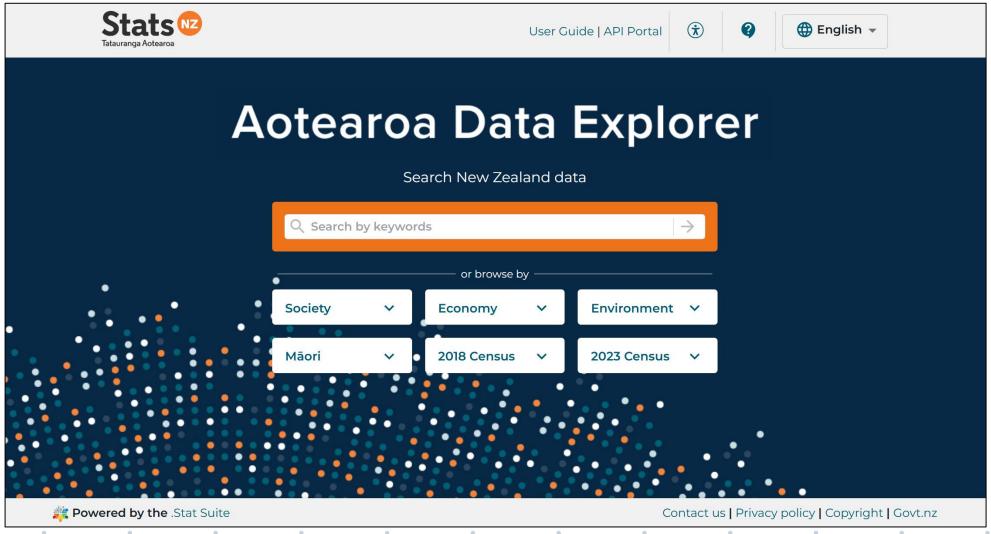
Go to **stats.govt.nz** 

Aotearoa Data Explorer is found under the 'Tools' heading



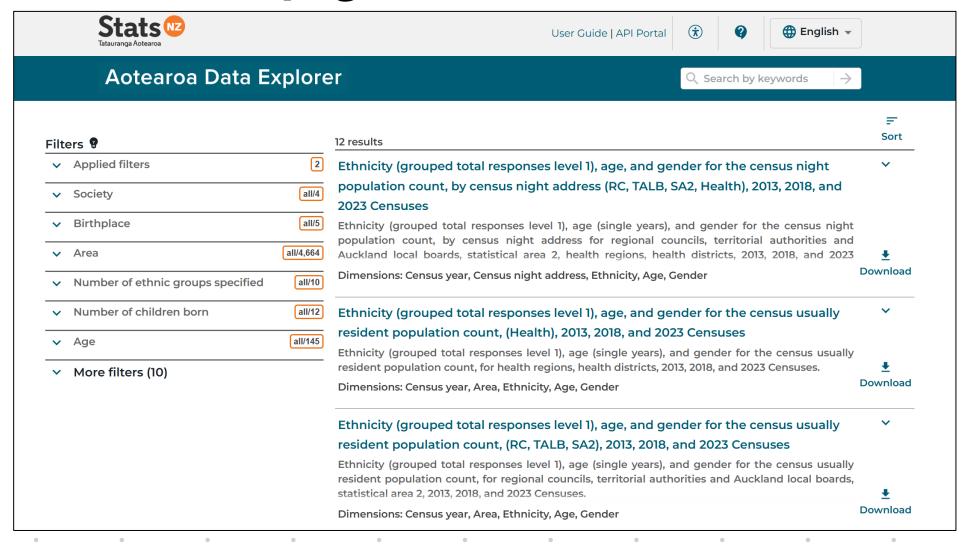
# **Aotearoa Data Explorer homepage**





# Search results page





# **Searching for data in ADE**

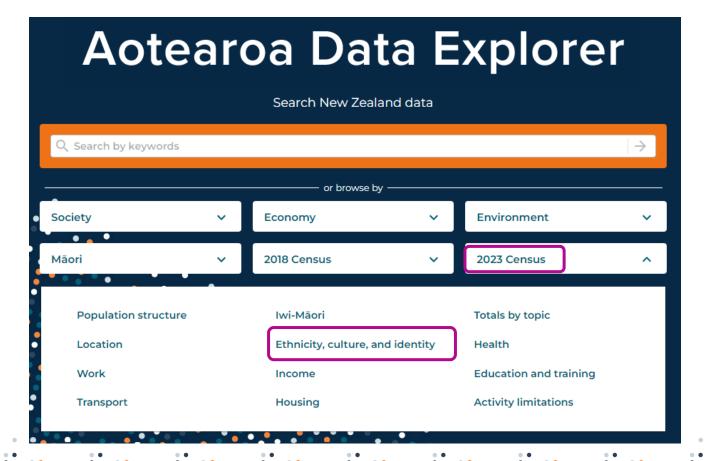
1. Knowing what you're looking for

How many people of the Tongan ethnic group are there aged under 15 years living in the Auckland Region?

What	Ethnicity (level 4), Age		
When	2023 Census		
Where	Regional Council (RC)		



2. Searching



# **Searching for data in ADE cont...**

How many people of the Tongan ethnic group are there aged under 15 years living in the Auckland Region?

What	Ethnicity (level 4), Age
When	2023 Census
Where	Regional Council (RC)





Ethnicity (detailed total responses level 4), age, and gender for the census usually resident population count, (RC, TALB, Health), 2013, 2018, and 2023 Censuses

Ethnicity (detailed total responses level 4), age (5-year groups), and gender for the census usually resident population count, for regional councils, territorial authorities and Auckland local boards, health regions, health districts, 2013, 2018, and 2023 Censuses.

Dimensions: Census year, Area, Ethnicity, Age, Gender







Ethnicity (grouped total responses level 1), age, and gender for the census usually resident population count, (TA, SA3), 2013, 2018, and 2023 Censuses

Ethnicity (grouped total responses level 1), age (single years), and gender for the census usually resident population count, for territorial authorities, statistical area 3, 2013, 2018, and 2023 Censuses.

Dimensions: Census year, Area, Ethnicity, Age, Gender



Download



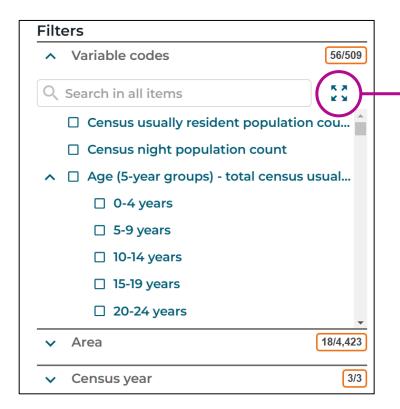
Ethnicity (grouped total responses level 1), age, and gender for the census night population count, by census night address (RC, TALB, SA2, Health), 2013, 2018, and 2023 Censuses

Ethnicity (grouped total responses level 1), age (single years), and gender for the census night population count, by census night address for regional councils, territorial authorities and Auckland local boards, statistical area 2, health regions, health districts, 2013, 2018, and 2023

Dimensions: Census year, Census night address, Ethnicity, Age, Gender

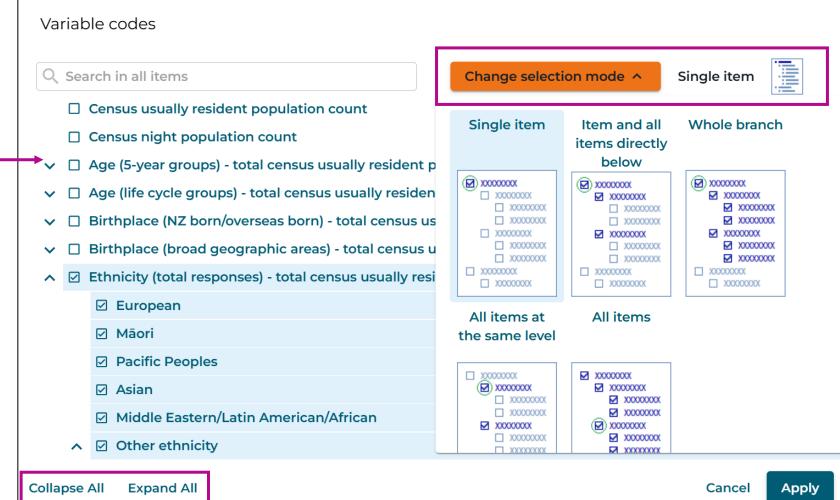


# Filtering in ADE



The easiest way to filter a table is by:

- 1. opening 'advanced search mode'
- 2. choosing 'Collapse all'
- 3. deselecting all items by using 'All items' selection mode
- 4. then choosing what you want to look at by using 'Single item' or 'Whole branch' selection mode.



### What product should I use?



### When to use place and ethnic group summaries

In place and ethnic group summaries you can look at **one concept at a time** for selected places or ethnic groups.

Use place and ethnic group summaries:

- if you want data presented as percentages
- if you want to quickly compare one area or ethnic group to another.

### When to use Aotearoa Data Explorer

In Aotearoa Data Explorer tables you can look at the relationships between multiple concepts at a time.

Use Aotearoa Data Explorer:

- if you need counts (exact numbers), not percentages
- if you need more detailed cross-tabulations (i.e. if you need to look at a few concepts at once)
- if you need data at an SA1 geographic level.

# 2023 Census product and release finder



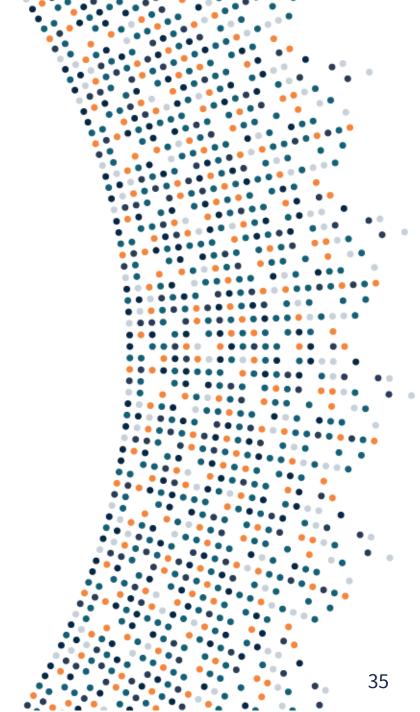
2023 Census product and release finder Need help?				•	
Last updated	Search			User guide	
13/02/2025	Dwelling dampness				
	Return to top			Cal	acus.
	Filters				nsus
Māori descent or iwi affiliation data				Cta	tsNZ
Product				Sta	LSW
Geographic area					
Releases up to [month]					
Title and link for published products (click to open url)	Product	Māori descent or iwi affiliation	Geographic area	Unit count	Publishing date
Totals by topic for dwellings, (SA1), 2013, 2018, and 2023 Censuses	Aotearoa Data Explorer	No	Statistical area 1	Dwellings	3/10/2024
Dwelling dampness, dwelling mould, and total household income for	Aotearoa Data Explorer	No	National/Regional	Households /	3/12/2024
households in occupied private dwellings, 2018, and 2023 Censuses			council/Territorial authority		
Māori descent indicator, dwelling dampness, and dwelling mould for households in occupied private dwellings, 2018 and 2023 Censuses	Aotearoa Data Explorer	Yes	National/Regional council/Territorial authority	Households	13/02/2025
New Zealand index of socioeconomic deprivation, dwelling dampness, ethnicity (grouped total responses level 1), age (life cycle groups), and gender for people in households in occupied private dwellings, 2023 Census	Aotearoa Data Explorer	No	National/Regional council/Territorial authority local board/Health regions	Individuals	12/03/2025
Dwelling dampness, dwelling mould, and main types of heating used (total responses) for occupied private dwellings, 2018 and 2023 Censuses	Aotearoa Data Explorer	No	National/Regional council/Territorial authority	Dwellings	30/04/2025
Dwelling dampness, dwelling mould, and tenure of household (level 1) for households in occupied private dwellings, 2018 and 2023 Censuses	Aotearoa Data Explorer	No	National/Regional council/Territorial authority	Dwellings	30/04/2025

- Shows a detailed list of products and what data will be published in them
- Lets you know when data will be published
- You can search by key word or by using filters.

2023 Census product and release finder



# Resources and services to support



Products and services one-pagers

2023 Census products and services for iwi Māori 2023 Census product and services guide

- Lists the products we publish data in, and what support you can get to access data
- Contain links so you can access the products and support
- Lets you know what products are for what data user levels (standard guide)
- Lets you know what products have iwi and/or Māori data in them (guide for iwi Māori).

Use these to get an overview of where census data is available



### Overview of data available

Overview of data available from the 2023 Census

See an overview of the types of census data available and where to find out more information about it, including:

- census topics, concepts, and variables
- census years
- geographic levels
- classification levels.

Use this for a simple overview of what data is output, including what concepts are in each topic, and classification levels





### Data user guide



2023 Census data user guide

Structured as a list of frequently asked questions (FAQs). It contains information, for example, on:

- Census processes and procedures
  - O How was the data collected in the 2023 Census?
  - o How do you decide what to include in the census?
- Understanding data quality
  - O What are data quality ratings?
  - Does data quality differ depending on its source?
- Using census data
  - How do you define families and extended families?
  - What is the difference between Māori descent and Māori ethnicity?

Use this to answer any questions you may have when using the data

### Methodology reports and resources



- 2023 Census of Population and Dwellings -Information by concepts
- Data quality in the 2023 Census
  - Data quality ratings for 2023 Census variables
  - o <u>Data sources for 2023 Census</u>
  - o Data quality assurance in the 2023 Census
- Using a combined census model for the 2023 Census
  - Methodology for using admin data to count people in the 2023 Census
  - Editing, data sources, and imputation in the 2023
     Census
- Māori and iwi population concepts in the 2023 Census
- Applying confidentiality rules to 2023 Census data and summary of changes since 2018 and 2013 Censuses

### Online training modules





2023 Census customer training modules

**Module 1:** What is the census?

**Module 2:** Development of census in

recent years

**Module 3:** Methodology for the 2023

Census

**Module 4:** Statistical geographies

**Module 5:** What impacts data quality

and how to assess it

Module 6: 2023 Census first release

Module 7: Tools to access the data

# **Customer Services and engagement**



#### **Information Centre**

Get in touch with the Information Centre by:











#### Engagement about 2023 Census data

- Find out about opportunities to engage
- Request a bespoke training session for your organisation.

### **Customised data services**



#### **Customised data requests**

You can request <u>customised datasets</u> if you require:

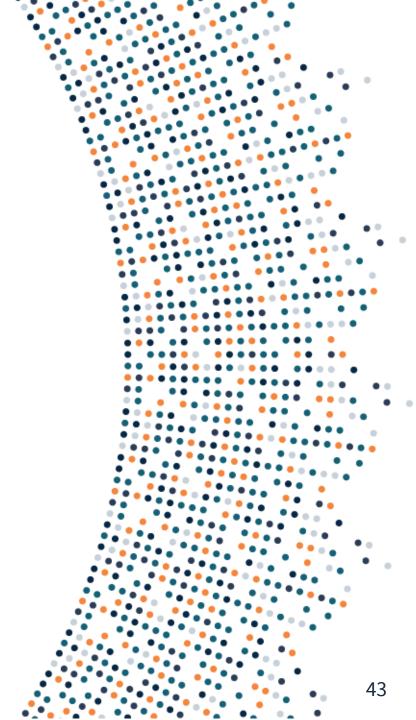
- more detailed or older data than what's available online
- a different format or layout than we've provided
- one-on-one help from an expert
- data sooner than it will be available in published outputs.

**Te Ara Takatū** (customised iwi data requests)

Stats NZ work with iwi to enable greater access to data and the insights data can provide. As part of this, we offer census data to iwi and iwi-related groups through <u>Te Ara Takatū</u>.



# Latest and upcoming releases



# **Census topic releases in 2025**



February	March	April	May	June
Māori descent	Ethnicity, culture & identity	Housing	Activity limitations	\$ Work & Location income
		Families & households, including by ethnicity	Rainbow/ LGBTIQ+	Education & training Health
		etimicity		Transport Population structure

2023 Census release schedule

# **2023 Household Disability Survey**



- Released on Thursday 27 February: <u>Disability statistics: 2023</u>
- First release included two news stories, key facts, Excel tables, infographic, and a long report.
   Every HDS variable is included in the Excel tables

#### 2023 HDS provides data on:

- 1. Disability prevalence estimates (how many people are disabled):
  - Disability prevalence for NZ and for subpopulation groups
  - Prevalence for each type of impairment (e.g., hearing, vision, mental health)
  - HDS is the only estimate of disability prevalence data in NZ
- 2. Information about what support is needed by disabled people, including unmet need
- 3. Information about the everyday experiences and outcomes of disabled people, including barriers that limit their participation in society
- 4. Information about how well disabled live compared with non-disabled people

Sample size constraints limit HDS data (e.g., no regional data except for overall disability prevalence rates for 12 major regions).

# **Key findings from 2023 HDS**



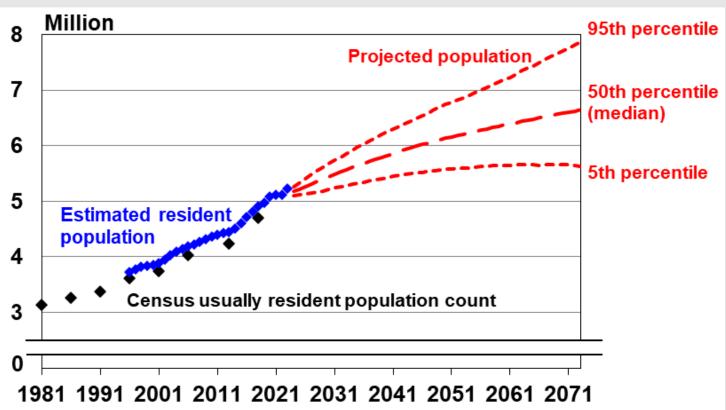
- One in six people living in NZ households were disabled (17% or 851,000 people)
- 10 percent of children were disabled and 18 percent of adults (98,000 children and 753,000 adults).
- The rate of disability was higher for certain groups:
  - Māori 21%
  - Females 18% (vs 15% for males)
  - LGBTIQ+ adults 29% (vs 17% for non-LGBTIQ+ adults)
  - Older people 35% of people aged 65+.
- Half a million disabled people had at least one unmet need for support (62%).
- The HDS revealed many disparities between disabled and non-disabled people.
- Over half of disabled people (53%) did not have enough income to meet basic needs or had only just enough (compared with 33% of non-disabled people).

# Population estimates & projections



- The estimated resident population (ERP)
  is the best measure of the population
  living in an area
- ERP includes adjustments for people missed or overcounted in the census, and residents who were temporarily overseas on census night
- Projections are an indication of future population changes based on current policy settings and demographic trends
  - they are *not* predictions

#### New Zealand's resident population



### Upcoming population data based on 2023 Census



Release	Timeframe
Estimated resident population (2023-base)	16 April 2025
National population projections	4 June 2025
National labour force projections	25 June 2025
Subnational population projections	Late 2025
National ethnic population projections	Late 2025
SA2 population projections	Progressively through 2026
National and subnational family and household projections	Mid-2026
SA2 household projections	Mid-2026
Subnational ethnic population projections	Late 2026

# Population and housing information and tools



- Population statistics user guide
- How long will I live? calculator
- Interactive population pyramid
- Housing deprivation
- Wellbeing statistics

**Enquiries:** demography@stats.govt.nz

# Other regional data available



This data is available at regional council level:

Business count indicators	Linked employer-employee data
Child poverty statistics	New Zealand business demography statistics
Employment indicators	Ready-mixed concrete
Greenhouse gas emissions by region (industry and household)	Regional gross domestic product
Household expenditure statistics	Retail trade survey
Household income and housing-cost statistics	<u>Tatauranga umanga Māori – Statistics on</u> <u>Māori businesses</u>
<u>Labour market statistics</u>	Value of building work put in place
<u>Labour market statistics (income)</u>	





This data is available at regional council and territorial authority / local board level:

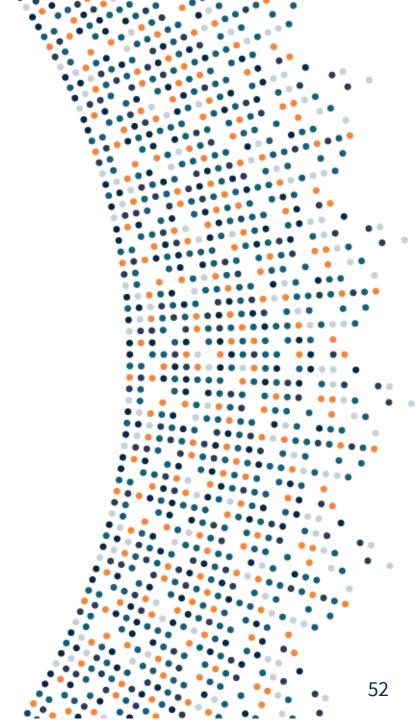
Births and deaths	International migration
Building consents issued	<u>International travel</u>
Business employment data	Local authority financial statistics

#### **Useful links**

- Release calendar
- A–Z of information releases
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# **Next Census**





# Ngā mihi Thank you

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