

TableBuilder log in

Log in to your account

User ID is a number:

Example 123456789

Password:



Log in

Register

[Conditions of use](#) | [Forgotten password](#) | [Forgotten user ID](#)

For the latest information about TableBuilder
including recent updates and dataset releases, see
www.abs.gov.au/statistics/microdata-tablebuilder/tablebuilder

Do not share your user ID or password

Go to this address and please register
for the website. Remember to specify
your institution as “Australian
National University” [https://
tablebuilder.abs.gov.au/webapi/jsf/
login.xhtml](https://tablebuilder.abs.gov.au/webapi/jsf/login.xhtml)

And then log in with the username
they give you and your password
please!

Select dataset or table

Datasets

- ▲ Data
 - ▶ 2006 Census of Population and Housing
 - ▶ 2011 Census of Population and Housing
 - ▶ 2016 Census of Population and Housing
 - ▶ 2021 Census of Population and Housing
 - ▶ Aboriginal and Torres Strait Islander Peoples
 - ▶ Australian Census Longitudinal Data
 - ▶ Australian Health Survey, Core Content - Risk Factors and Selected Health Conditions
 - ▶ Businesses in Australia (BLADE)
 - ▶ Childhood Education and Care
 - ▶ Community Engagement with Nature Conservation
 - ▶ Crime and Safety
 - ▶ Cultural Activities
 - ▶ Disability, Ageing and Carers
 - ▶ Education and Work
 - ▶ Employee Earnings and Hours
 - ▶ Family Characteristics
 - ▶ General Social Data
 - ▶ Household Use of Information Technology

New table

Step 1. Go to the 2021 Census of Population and Housing.

Tables

See available tables

Open table

TableBuilder

TableBuilder is an online tool for creating your own tables and graphs using ABS data. You can:

- create and cross tabulate tables using variables you select
- select options to display in your table: counts, percentages and relative standard errors
- select from categorical variables (eg state, age, sex)
- calculate means, medians and sums for continuous variables (eg income)
- create custom ranges from continuous variables
- save or export your tables using CSV, Excel or SDMX

The [TableBuilder user guide](#) helps you use these features.

Getting started

- Open the topics in the left window to display available datasets
- Click on a dataset to display any saved or predefined tables in the middle window
- Double click on a dataset to open and start building your table
- Take the TableBuilder tour to discover more features - click on the menu in the top right

Select datasets Australian Bureau of Statistics Home

Datasets

Saved and predefined tables

2021 Census - internal migration

This dataset is based on [place of usual residence](#), the geographic area in which a person usually lives. This may or may not be the place where the person was counted on Census night. The dataset population is the count of persons in Australia excluding overseas visitors (25,422,788).

For information on variables available for the 2021 Census, see [2021 Census TableBuilder Basic and Pro data item list](#).

Useful links

- [2021 Census dictionary](#)
- [2021 Census methodology](#)
- [2021 Census Privacy Statement](#)
- [Understanding Census geography](#)
- [ABS Maps](#) is an online mapping tool to view and compare the Australian Statistical Geography Standard (ASGS) regions
- [TableBuilder User Guide, Troubleshooting](#)

Step 3.
Click here

Step 2: go to "2021 Census of Population and Housing" -> go to TableBuilder Basic -> select "2021 Census - Internal Migration"

New table

Open table

Data source: 2021 Census of Population and Housing

Variables Save and predefined tables

Add to: Row Column Wafer Filter Remove

Collapse all | Untick all | 8 items selected.

- Usual Address and Internal Migration
 - IFPURP Imputation Flag for Place of Usual Residence (4)
 - Local Government Areas of Usual Residence One Year Ago (12)
 - Local Government Areas of Usual Residence Five Years Ago (12)
 - PUR1P Place of Usual Residence One Year Ago (12)
 - PUR5P Place of Usual Residence Five Years Ago (13)
 - interstate (12)
 - ☒ New South Wales (32)
 - ☒ Victoria (21)
 - ☒ Queensland (23)
 - ☒ South Australia (11)
 - ☒ Western Australia (14)
 - ☒ Tasmania (8)
 - ☒ Northern Territory (6)
 - ☒ Australian Capital Territory (4)
 - ☐ Other Territories (4)

Queue table



Clear table



Save table



Options



Remove



Your table is empty. Add variables from the list on the left.

	-

Data source : Census of Population and Housing, 2021, TableBuilder

See [Data confidentiality](#) to understand how TableBuilder confidentialises your tables

Step 4: In "Usual Address and Internal Migration" folder -> go to "PUR5P Place of Usual Residence Five Years Ago" -> select all states and territories

Custom data

Data source: [Data source](#)

Comma Separated Value (.csv)

[Queue table](#)

Variables [Save](#) and predefined tables

[Press the Queue table button to populate your table](#)

Add to: [Row](#) [Column](#) [Wafer](#) [Filter](#) [Remove](#)

[Queue table](#)

[Clear table](#)

[Save table](#)

[Options](#)

[Remove](#)

[Collapse all](#) | [Untick all](#) | 8 items selected.



STATE (5YR)

Filters:

Default summation [i](#) : Person Records

Wafers:

Cell count 9 (1 columns x 9 rows x 1 wafers) total.

STATE (5YR) [i](#) [d](#) [v](#)

[New South Wales](#)

[Victoria](#)

These are variables from step 3.

Note: always choose state five years ago first. This is to make sure the variable appears in the first column. In "circlize" package, the first column in a data table is origin state, by default.

Step 5: In "Geographical Areas (Usual Residence)" folder -> go to "Main Statistical Area Structure (Main ASGS) (UR)" -> select all states and territories

[Custom data](#)

Total

-



Data source: 2021 Census - internal migration

CSV String Value (.csv)

Queue table

Step 6: Click "Queue table"

Select this please

These are cross tabulation of variables from steps 4 and 5

Queue table



Clear table



Save table



Options



Remove



STATE (5YR) and STATE (UR)

Filters:

Default summation : Person Records

Wafers:

Cell count 81 (1 columns x 81 rows x 1 wafers) total, 72 (1 columns x 72 rows x 1 wafers) displayed.

STATE (5YR)	STATE (UR)	
New South Wales	New South Wales	-
	Victoria	-
	Queensland	-
	South Australia	-
	Western Australia	-
	Tasmania	-
	Northern Territory	-
	Australian Capital Territory	-
	New South Wales	-
	Victoria	-
	Queensland	-

Data source: [2021 Census - internal migration](#) ⓘ

CSV String Value (.csv)

Queue table

Variables Saved and predefined tables

Add to: Row Column Wafer Filter | Remove

Collapse all | Untick all | 0 items selected.

- Geographical Areas (Usual Residence)
 - Australia (UR) (1) ▶
 - Main Statistical Area Structure (Main ASGS) (UR) (9) ▶**
 - ☐ New South Wales (30) ▶
 - ☐ Victoria (19) ▶
 - ☐ Queensland (21) ▶
 - ☐ South Australia (9) ▶
 - ☐ Western Australia (12) ▶
 - ☐ Tasmania (6) ▶
 - ☐ Northern Territory (4) ▶
 - ☒ Australian Capital Territory (3) ▶
 - ☐ Other Territories (3) ▶
 - Greater Capital City Statistical Areas (UR) (9) ▶
 - Indigenous Structure (UR) (9) ▶
 - Section of State/Urban Centres and Localities (UR) (9) ▶
 - Significant Urban Areas (UR) (111) ▶
 - Local Government Areas (2021 Boundaries) (UR) (9) ▶
 - Local Government Areas (2022 Boundaries) (UR) (9) ▶

Queue table Clear table Save table Options Remove

Queue table

- Name your queued table
- Select a download format at the top right of your screen
- To save your table you also need to click the Save table button
- Refresh your browser to update the queue status

Cancel

Queue table

Name your dataset
"Interstate"

ns x 72 rows x 1 wafers) displayed.

New South Wales

Victoria

Queensland

South Australia

Western Australia

Tasmania

Northern Territory

Australian Capital Territory

New South Wales

Victoria

Queensland

Custom data



Data source: [2021 Census - internal migration](#)

Comma Separated Value (.csv)

[Queue table](#)

Variables Saved and predefined tables

Add to: |

Collapse all | Untick all | 0 items selected.

- Geographical Areas (Usual Residence)
 - Australia (UR) (1)
 - Main Statistical Area Structure (Main ASGS) (UR) (9)**
 - ☐ New South Wales (30)
 - ☐ Victoria (19)
 - ☐ Queensland (21)
 - ☐ South Australia (9)
 - ☐ Western Australia (12)
 - ☐ Tasmania (6)
 - ☐ Northern Territory (4)
 - ☒ **Australian Capital Territory (3)**
 - ☐ Other Territories (3)
 - Greater Capital City Statistical Areas (UR) (9)
 - Indigenous Structure (UR) (9)
 - Section of State/Urban Centres and Localities (UR) (9)
 - Significant Urban Areas (UR) (111)
 - Local Government Areas (2021 Boundaries) (UR) (9)
 - Local Government Areas (2022 Boundaries) (UR) (9)



[Custom data](#)

Request has been successfully added to table queue. To check progress, go to [Saved and queued tables](#) in the three dots menu at the top right. Refresh your browser to update queue status.

Queue table



Clear table



Save table



Options



Remove



STATE (5YR) and STATE (UR)

Filters:

Default summation : Person

Wafers:

Cell count 81 (1 columns x 81 rows x 1 wafers) total, 72 (1 columns x 72 rows x 1 wafers) displayed.

Now click this to go to the data download page.

STATE (5YR)	STATE (UR)	
New South Wales	New South Wales	-
	Victoria	-
	Queensland	-
	South Australia	-
	Western Australia	-
	Tasmania	-
	Northern Territory	-
	Australian Capital Territory	-
	New South Wales	-



Saved and queued tables

Saved tables

Queued tables, refresh browser to update queued status

Name ↕	Submission date ↕	Format ↕	Expiry time ↕	Status	Content	Delete
interstate	24/03/2023	CSV_STRING	21/04/2023	Completed, click here to download	view	✕

Step 7: Download the table
to your working directory
and name it
"interstate.csv"

[Open](#)[Copy](#)[Delete](#)[Rename](#)

A final step is to open the “interstate.csv” file in Excel and review the data. We will read the second to fourth columns into R, starting from row #10, and the 10th row is for column names. Make sure the second column is STATE (5YR) and the third is STATE (UR)

AutoSave OFF

Home Insert Draw >> Tell me

Clipboard Font Alignment Number Conditional Formatting Format as Table Cell Styles

Possible Data Loss Some features might be lost if you... Save As...

A1 Australian Bureau of Statistics

	A	B	C	D	E
1	Australian Bureau of Statistics				
2					
3	2021 Census - internal migration				
4	STATE (5YR) and STATE (UR)				
5	Counting: Person Records				
6					
7	Filters:				
8	Default Summation	Person Records			
9					
10	Counting	STATE (5YR)	STATE (UR)	Count	
11	Person Records	New South Wales	New South Wales	6438401	
12	Person Records	New South Wales	Victoria	68685	
13	Person Records	New South Wales	Queensland	137386	
14	Person Records	New South Wales	South Australia	16994	
15	Person Records	New South Wales	Western Australia	19370	
16	Person Records	New South Wales	Tasmania	14035	
17	Person Records	New South Wales	Northern Territory	6622	
18	Person Records	New South Wales	Australian Capital Territory	35086	
19	Person Records	Victoria	New South Wales	56671	
20	Person Records	Victoria	Victoria	5195053	
21	Person Records	Victoria	Queensland	67487	
22	Person Records	Victoria	South Australia	18113	

interstate +

Ready 100%