Wingecarribee Shire Council



.id briefing – Population trends, COVID impacts and the demographics of Wingecarribee Shire



























About .id at Wingecarribee Shire Council

.id is a company of demographers, housing analysts, forecasters and Census data experts.

We work with council to promote evidence-based decision making, consulting with you for grant funding applications, demographic and economic studies and advocacy.

We have been working with Wingecarribee Shire Council for the past 8 years, and the Shire recently added economic profile and population forecasts.

This briefing looks at the most recent population trends post-COVID, and looks to the potential results of the 2021 Census (not released yet)

community

understand your community over multiple timescales

social atlas

allocate your resources at a local level

housing monitor

community

views

hear community

views

monitor housing provision and affordability

economic profile

analyse jobs, industry and model economic change

population forecast

plan for the future based on a set of agreed assumptions



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http://content.id.com.au/briefings

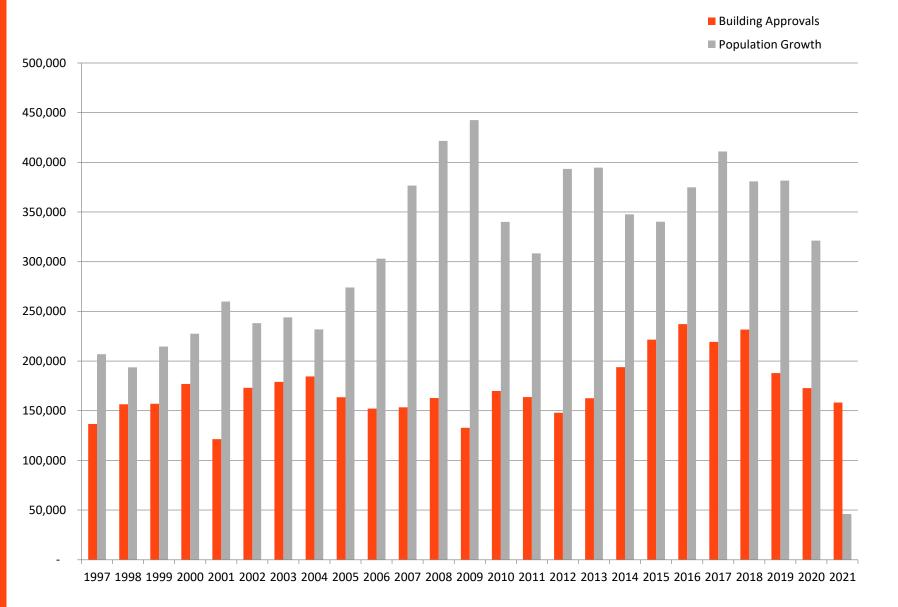


Queries, additional data etc.

Glenn Capuano glenn@id.com.au 0408 318 544



National population trends – growth slowing since COVID hit



Australia has reached the end of a record period of population growth. 2019-2020 was the lowest growth in 10 years, but still historically high, as COVID-19 didn't really impact until the final quarter.

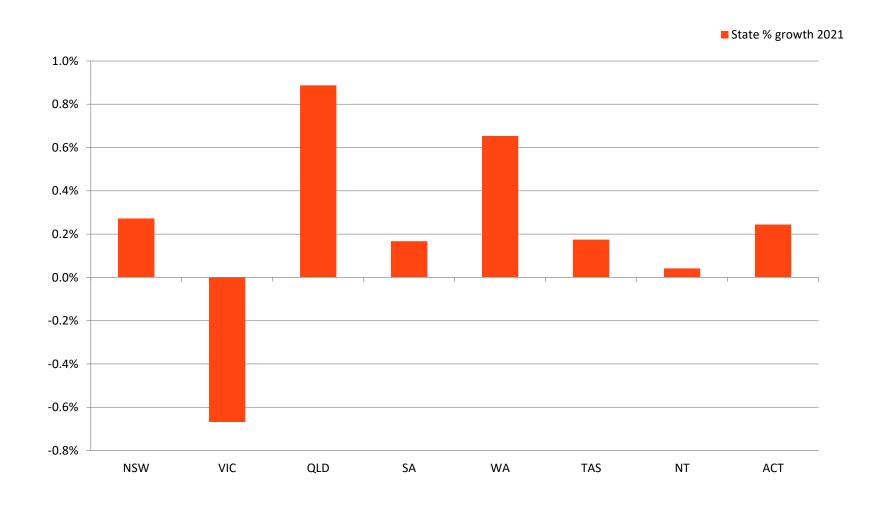
Data to the end of June 2021 shows a huge slowdown in Australia's rate of growth.

The growth rate for the year of 0.18% was the lowest national growth rate recorded since 1916, when the population declined due to World War I.

Building approvals still growing strongly, however, supported by schemes such as HomeBuilder



Comparative growth among the states – 1 year

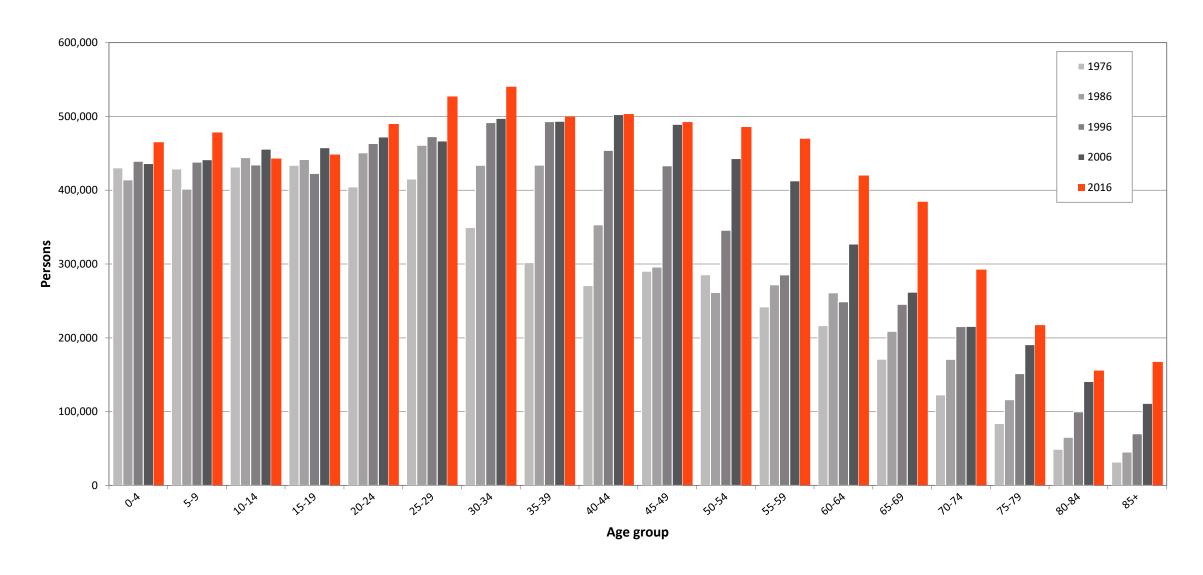


NSW added only 22,242 people in the 2020-21 financial year, down from an average of about 100k p.a. prior to that. This is due to the COVID-19 border closures.

It is, however, still growing, while Victoria declined substantially and Queensland grew far more strongly.

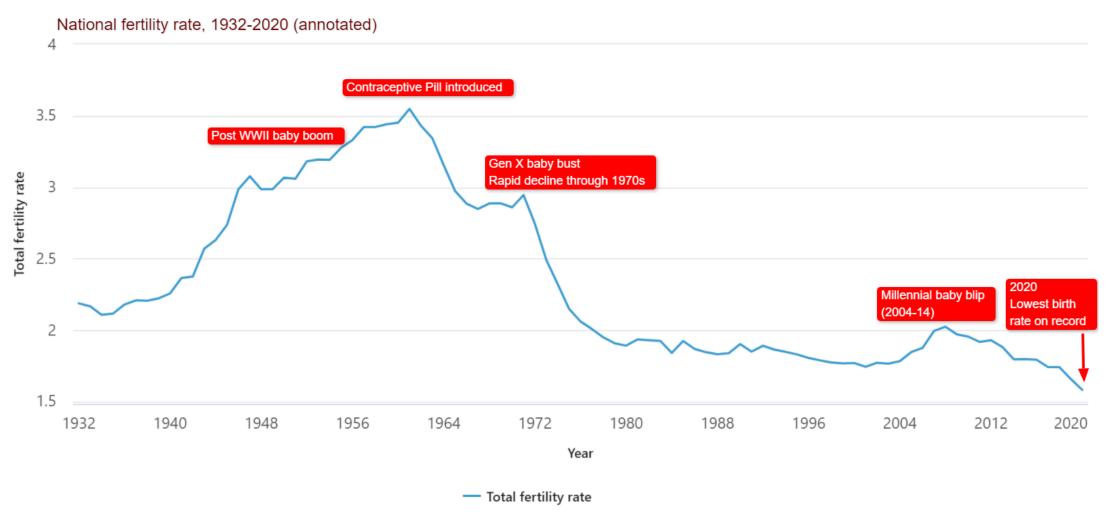


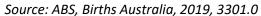
Population by 5 year age groups over 40 years, NSW





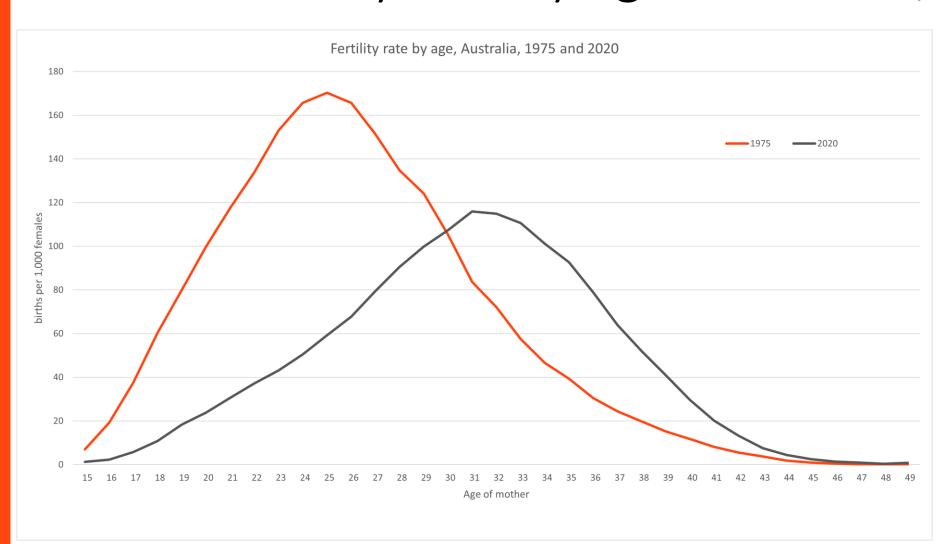
National fertility rate, 1932 to 2020







National fertility rate by age of mother, 1975-2020



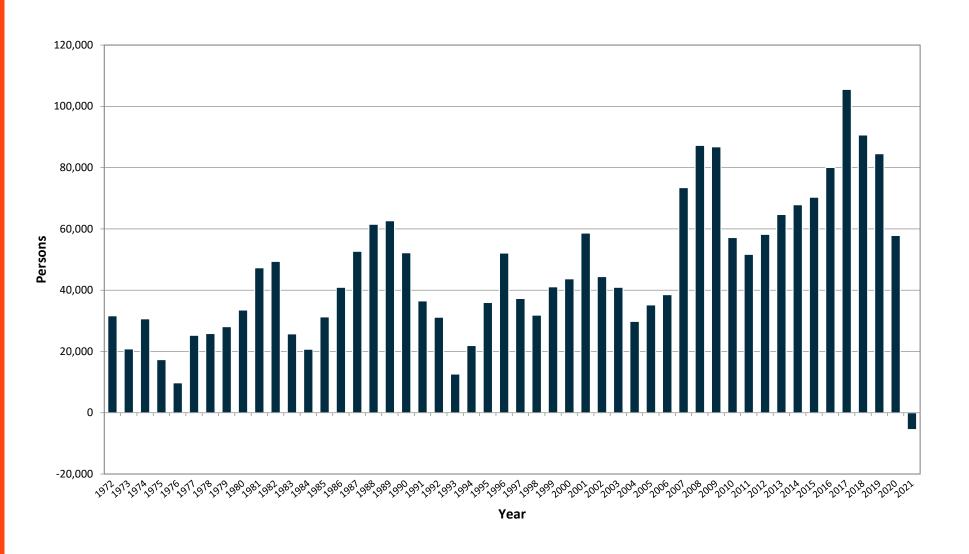
2020s birth rate was the lowest on record, and continues to fall after a baby blip over the first decade of the millennium.

Preliminary data for the first half of the next year shows a small increase but still very low historically.

This is driven by women delaying having children until much later in life.



Net overseas migration – NSW, 1972-2021

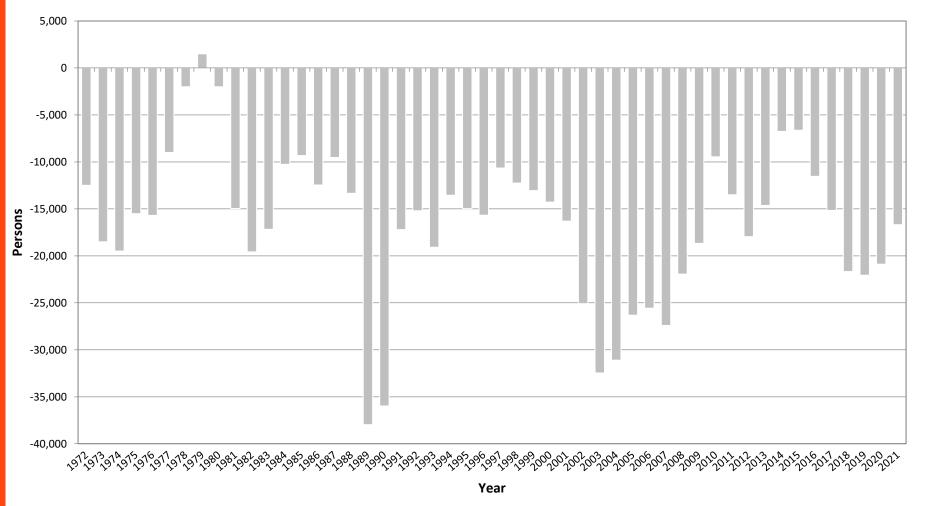


Overseas migration is now negative for every state and territory. NSW has gone from adding 80,000 migrants p.a. to losing about 5000 with the closed borders.

This will have a significant effect on areas which get a lot of their growth from overseas, which is generally not Wingecarribee



Net interstate migration – NSW, 1972-2021

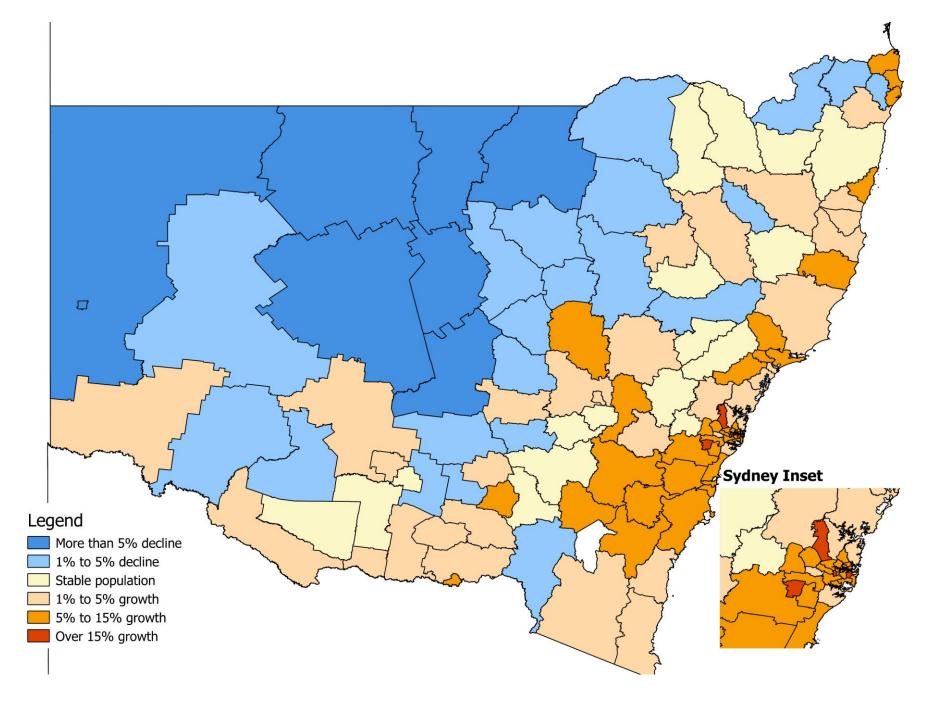


Interstate migration remains strongly negative, with a lot of net movement to Queensland. Maybe even a little less in the last year.

There is a strong movement out of Sydney to regional NSW as well, and historically we know that the Southern Highlands is one of the key destinations for this movement. Net movement out of Sydney to regional NSW running at -28,000 p.a. now.



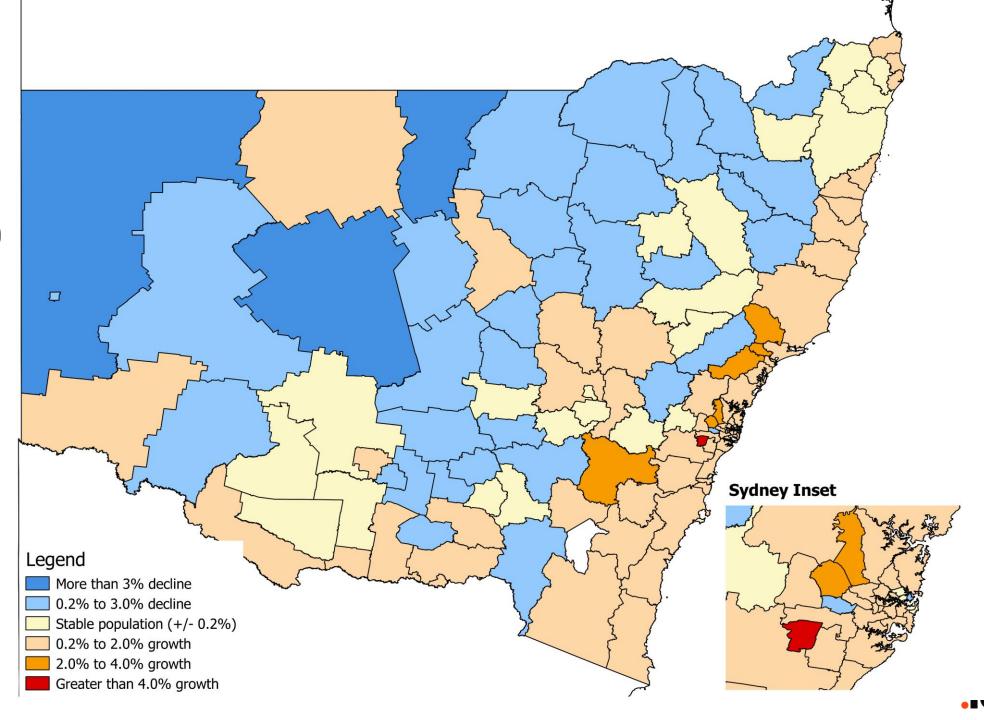
NSW LGA population growth, 2015 to 2020





NSW LGA population growth, 2019-2020

Growth rates in 2020 show the beginnings of COVID impacts – fall in Fairfield for instance. Blacktown still growing but this only includes the first few months of the pandemic. June 2021 figures due in March 2022 will be telling.



profile.id and atlas.id

- Online information tool, for council staff, and for the public.
- 1991, 1996, 2001, 2006, 2011 and 2016 Census data.
- 38 demographic topics to tell the story of your changing area.
- Broken into 11 towns/districts, with full Census data for each. Locality snapshots cover about 40 localities individually with 2016 Census data only.
- Benchmark to Greater Sydney, Regional NSW, Canberra Region, NSW and Australia.
- Detailed migration and SEIFA (socio-economic) datasets.
- Reporting and data export options designed to integrate with other output tools.
- http://profile.id.com.au/wingecarribee
- Atlas spatial mapping to pinpoint communities of interest and points of disadvantaged population.
- http://atlas.id.com.au/wingecarribee

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community profile

understand your community over multiple timescales

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Population trends in 2016

TREND	Wingecarribee Shire	New South Wales
Population (ERP – 2016)	48,998	7,739,274
Population change (ERP) 2011 to 2016	Increase of 2,872 people, 6.2%	7.3% growth
Census Usual Resident count - 2016	47,882	7,480,242
Population change (Census UR) 2011- 16	Increase of 3,528 people, 8.0%	8.1% growth
Dwelling change 2011-16	Increase of 1,316 dwellings, 6.5%	6.8% growth
Average household size	2.41 (-0.02)	2.61 (+0.02)



Population trends

Small area	2016	2011	2006	5 year change	10 year change
Berrima - New Berrima	1,264	1,257	1,227	0.5%	3.0%
Bowral	10,390	9,737	9,583	6.7%	8.4%
Bundanoon - Exeter	3,604	3,434	3,022	5.0%	19.3%
Burradoo	2,642	2,460	2,297	7.4%	15.0%
Hill Top - Balmoral - Colo Vale	4,747	4,503	4,345	5.4%	9.3%
Mittagong District	8,771	7,803	7,534	12.4%	16.4%
Moss Vale	8,608	7,762	7,290	10.9%	18.1%
North West District	1,047	946	899	10.7%	16.4%
Robertson District	3,398	3,257	3,118	4.3%	9.0%
Wingello - South West District	1,916	1,781	1,680	7.6%	14.0%
Yerrinbool District	1,485	1,476	1,274	0.6%	16.6%
Wingecarribee Shire	47,872	44,416	42,271	7.8%	13.3%



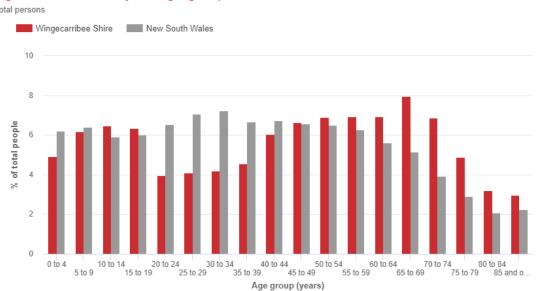
2020 post-Census population update

TREND	Wingecarribee Shire	New South Wales
Population (2020 update)	51,760	8,167,532
Population change (ERP) 2016-2020 (4 years)	Increase of 2,762 people, 5.6%	+434,634, 5.6% growth
Components of population growth	Natural Increase -58 Overseas Migration +169 Internal Migration +522 Natural increase is negative in Wingecarribee due to elderly population. There is some overseas migration, but the bulk of growth is from internal migration, which increased in the 2020 year and is likely to increase further in 2021 (results out end of March) due to the pandemic pushing people into semi-rural locations out of Sydney. Expect a higher population growth in Wingecarribee for the next few years.	



Age trends

Age structure - five year age groups, 2016

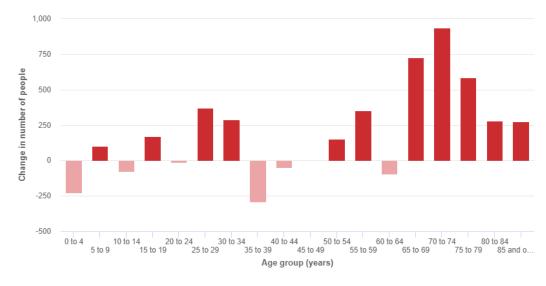


Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Usual residence data). Compiled and presented in profile.id by id (informed decisions).

Wingecarribee has an age structure skewed towards baby boomers and elderly – also with quite a few teenage kids (mature families). But very few people in their 20s or 30s.

Change in age structure - five year age groups, 2011 to 2016

Wingecarribee Shire - Total persons



Source: Australian Bureau of Statistics, Census of Population and Housing, 2011 and 2016 (Usual residence data). Compiled and presented in profile.id by idecisions).

Median age of 47 is 9 years older than the state average

The largest increases were in the 65+ category last Census. This may change a little with more working-age population possibly moving in to work from home during the pandemic. 2021 Census will tell.

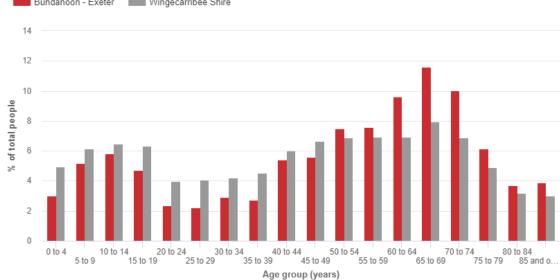


Bundanoon – Exeter – empty nester baby boomers

Age structure - five year age groups, 2016

Bundanoon - Exeter Wingecarribee Shire

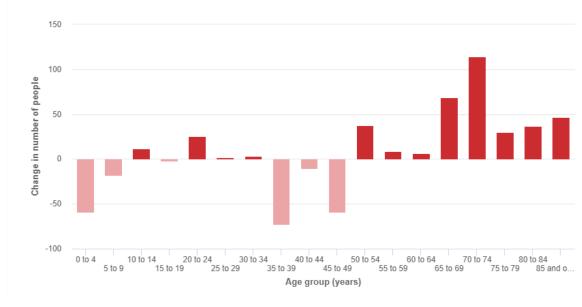
Total persons



ource: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Usual residence data). Compiled and presented in profile id by .id (informed

Change in age structure - five year age groups, 2011 to 2016

Bundanoon - Exeter - Total persons



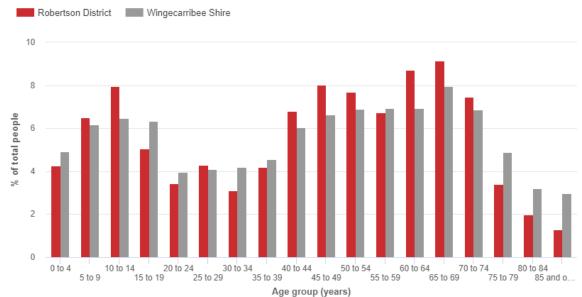
Source: Australian Bureau of Statistics, Census of Population and Housing, 2011 and 2016 (Usual residence data). Compiled and presented in profile id by .id (informed



Robertson – families with teenage children

Age structure - five year age groups, 2016

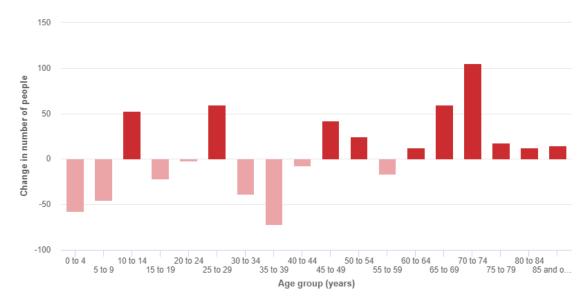
Total persons



Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Usual residence data). Compiled and presented in profile.id by id (informed decisions).

Change in age structure - five year age groups, 2011 to 2016

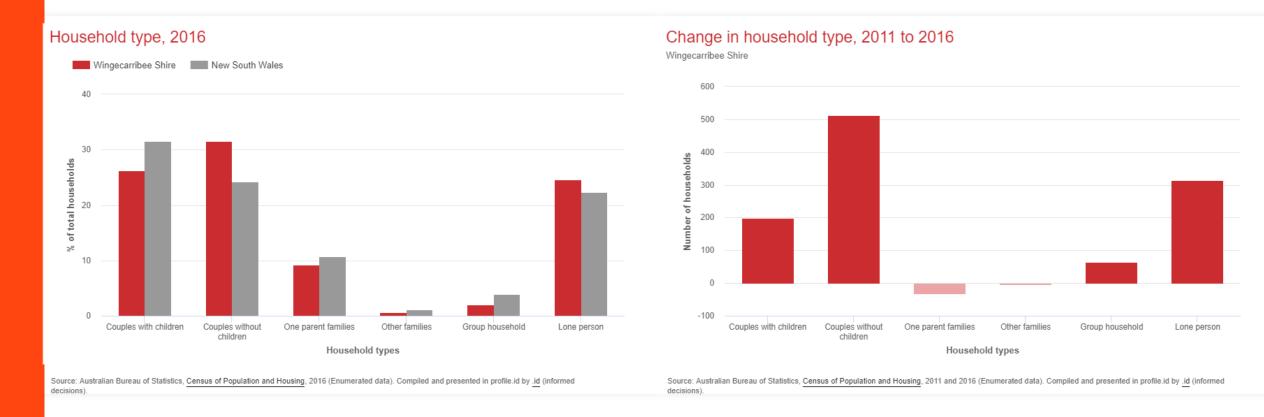
Robertson District - Total persons



Source: Australian Bureau of Statistics, Census of Population and Housing, 2011 and 2016 (Usual residence data). Compiled and presented in profile id by id (informed decisions).



Household trends

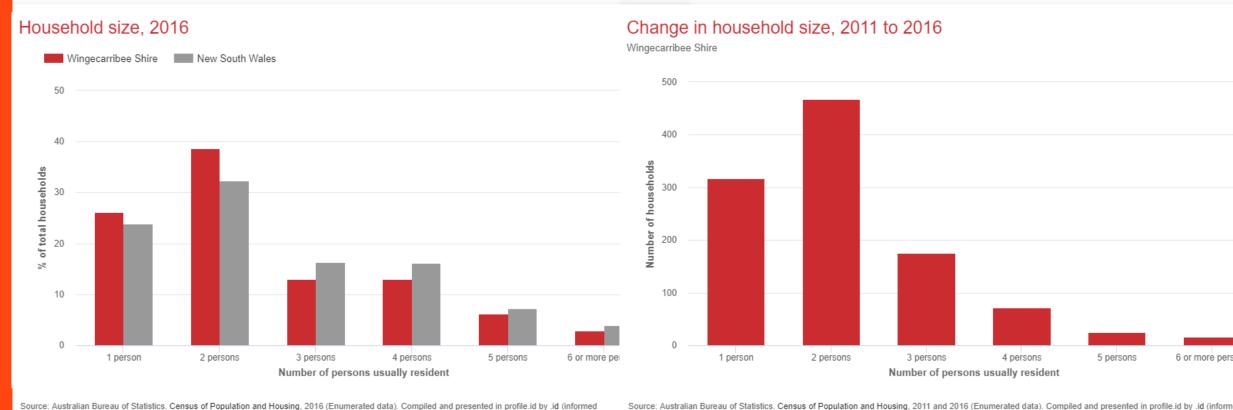


The last Census showed a significant growth in couples without children, and lone persons, a consequence of ageing in place, and retirement into the area.



Household size

decisions)



decisions).

2/3rds of all households have 2 people or less.



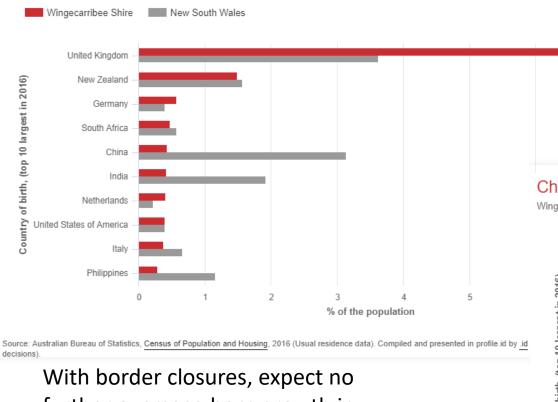
Migration and cultural diversity

TREND	Wingecarribee Shire	New South Wales
Aboriginal and Torres Strait Islander	952 people, 2.0% (+0.2%)	2.9%
% overseas born	15.9% (+0.7%)	27.6% (+1.9%)
Speaking non-English language at home	5.6%, (+1.2%)	25.2% (+2.8%)
Dominant birthplaces	UK, Germany, Netherlands	China, India, Philippines, Vietnam, Lebanon, Korea
Emerging birthplaces	China, India, New Zealand	China, India, Iraq, Nepal, Pakistan, Brazil



Diversity trends

Birthplace, 2016

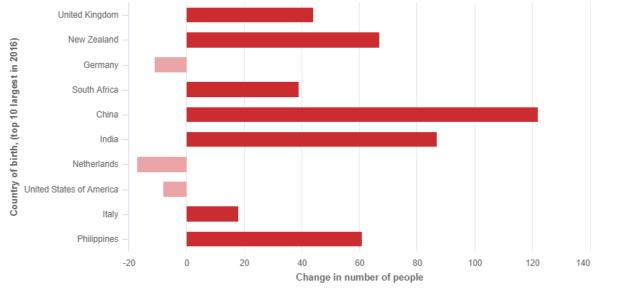


With border closures, expect no further overseas-born growth in the next Census data, but this will be offset by migration from other areas (some of whom may have been born overseas).

Wingecarribee doesn't get a lot of overseas migration, apart from a large UK-born population. The last Census showed a moderate increase to China and India migration in line with a state trend.

Change in birthplace, 2011 to 2016

Wingecarribee Shire



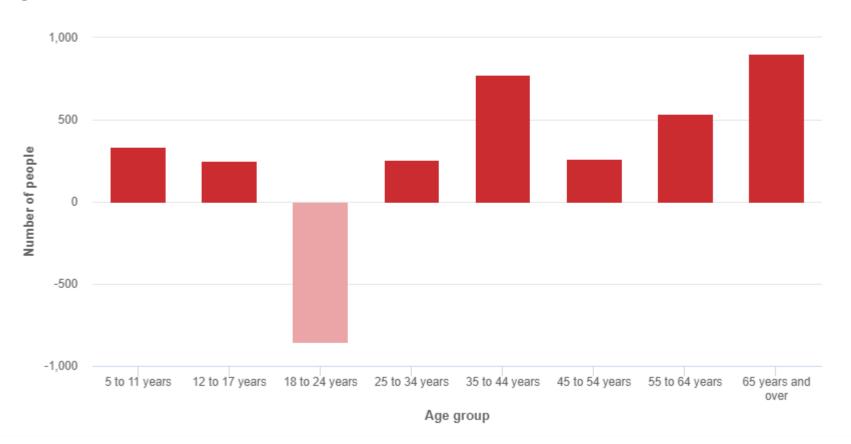
Source: Australian Bureau of Statistics, Census of Population and Housing, 2011 and 2016 (Usual residence data). Compiled and presented in profile.id by id (informed decisions).



Migration by age – from within Australia

Net migration by age group 2016

Wingecarribee Shire



Wingecarribee shares regional Australia's loss of 18-24 year olds (but we know this was less in the pandemic), but gains in both family groups with children, and (the largest positive migration of all) retirees – which are contributing to the accelerated ageing of the region.

Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Usual residents data). Compiled and presented in profile.id by id (informed decisions).



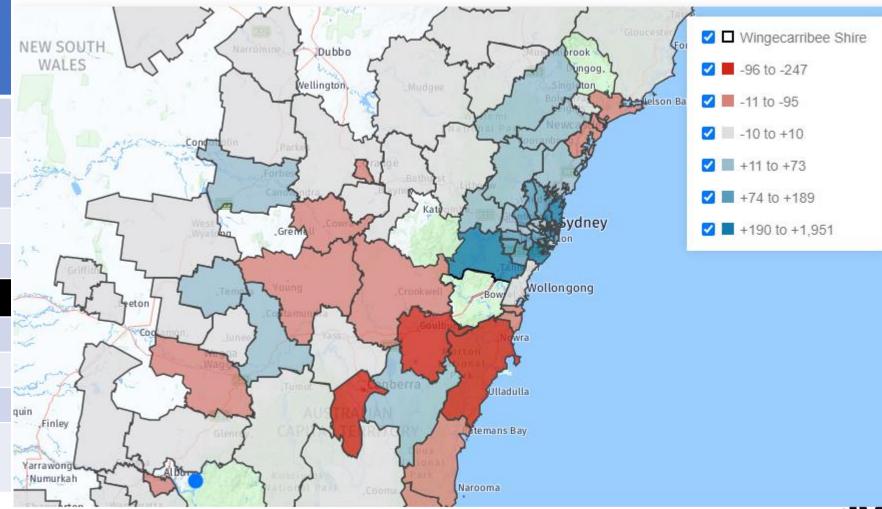
Migration (post-Census)

Since the Census, a continuation of movement from all over Sydney, particularly the higher socio-economic areas - with a pick-up in numbers in 2020. Loss to Qld and coastal areas, as well as general movement out of Sydney and towards Canberra within the corridor. 2021 likely to see a further increase of in-migration from Sydney, but likely the same areas within Sydney.

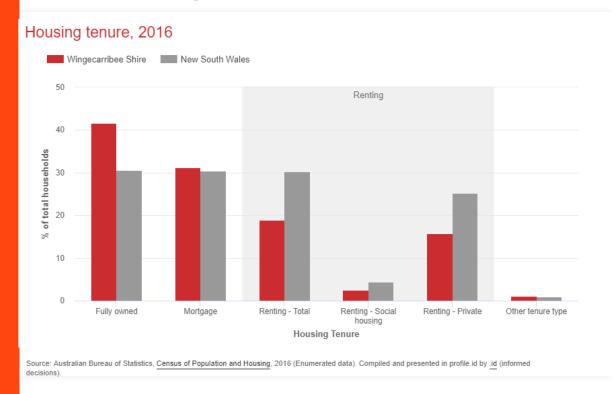
Main areas of movement to and from Wingecarribee in 4 years post Census 2016-2020	Numbers
Wollondilly	+354
Sutherland Shire	+296
Northern Beaches	+267
Ku-ring-gai	+259
Inner West	+223
Goulburn	-247
Canberra	-210
Shoalhaven	-142
Gold Coast	-111

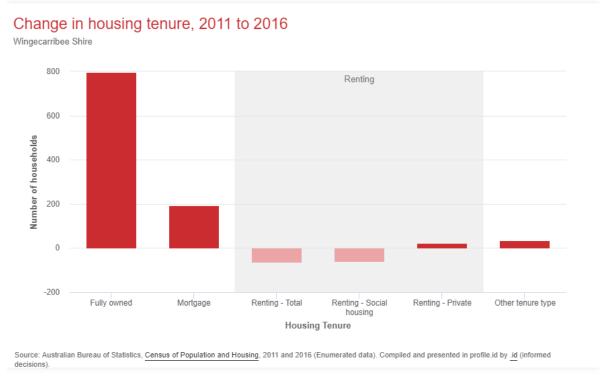
Map of net gains and losses by LGA

Wingecarribee Shire: Total: July 2016 - June 2020



Housing trends



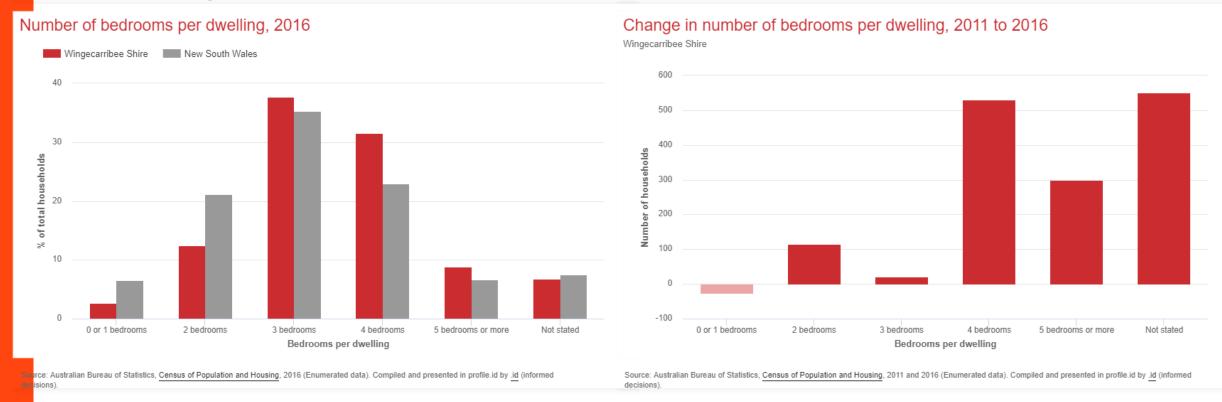


There is very little social housing in Wingecarribee Shire, where the bulk of the population are full home owners. With retirement being the main trend at the last Census there was a big increase in full home ownership, and it was one of the few areas where the proportion renting actually went down!

Nevertheless, affordability is likely to still be a problem, with migration from the city pushing up housing costs.



Housing trends



The size of housing is generally large, with all growth being in the 4-5 bedroom categories, despite most of the population being in 1-2 person households.



housing.id

- Not currently a part of Wingecarribee Shire's subscription.
- Detailed housing supply/building approvals data – what types of dwellings are being built?
- What types of households live in what types of dwellings?
- How do housing prices compare to incomes?
- How many affordable sales and rentals are there in each area (updated every 6 months)
- Who is in housing stress and where do they live?
- What is the demand for affordable housing?
- Quantify the level of housing affordability for different household types in different areas.
- .id can organise a demonstration if there is an interest in potentially adding this tool.
- Example http://housing.id.com.au/albury





forecast.id

- Online information tool, for council staff, and eventually for the public (currently behind a password)
- Population, household, dwellings, age structure and household type
- 2016 to 2041, in individual years.
- Broken into 9 districts. Individual forecast for each one.
- Politically independent.
- Based on council input on land supply, current housing policy, and .id's assessment of ongoing demand.
- Incorporates both national and state trends, and local trends at the district level.
- Reviewed and monitored against current population annually. First forecast completed November 2021
- Assumptions shown on the site, including post-COVID assumptions.
- http://forecast.id.com.au/wingecarribee

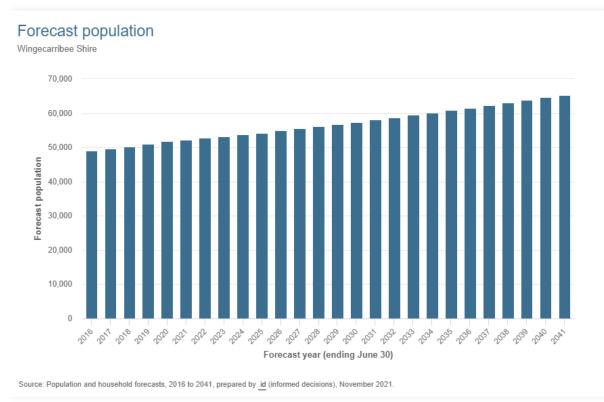


Moderate, steady growth expected over the forecast period, an average of 1.15% p.a.

New developments leading to growth are mainly in the Moss Vale, Bowral and Mittagong areas, while the rural areas expected to be steady with only minor growth.

District level forecast link.

COVID expected to have relatively minor effect with overall lower growth Australia-wide offset by movement into semi-rural areas like Wingecarribee from the cities.

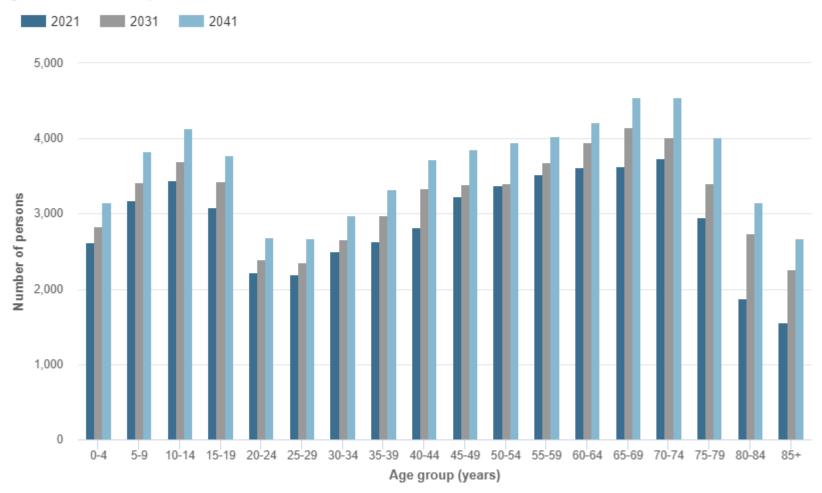






Forecast age structure - 5 year age groups

Wingecarribee Shire - Total persons

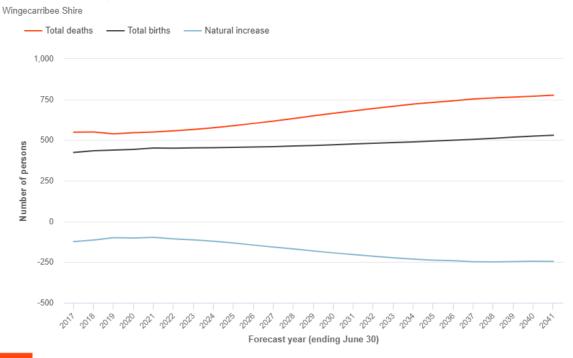


Growth in all age groups, but much larger in relative terms for the 75+ groups as baby boomers age into these groups and the area continues to attract retirees.

Source: Population and household forecasts, 2016 to 2041, prepared by iid (informed decisions), November 2021.

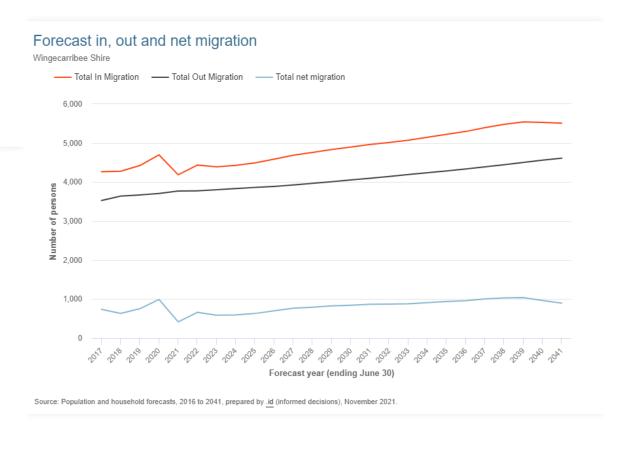


Forecast births, deaths and natural increase/decrease



Population and household forecasts, 2016 to 2041, prepared by .id (informed decisions), November 2021

Natural growth is consistently negative as the population continues to age – by 2041 it's about -250 per annum. Net migration has to be at least +250 just to keep population stable. In-migration shows a COVID bump in 2021, and slightly down the following year, but remains strongly positive thoughout the forecast period, and increases later on as more housing development opens up. Net migration hits 1,000 people p.a. in the late 2030s, from around 500 p.a. now.





Forecast net migration by age group

Wingecarribee Shire



Wingecarribee's age migration profile shows the typical loss of school leavers, and a twin peak of in-migration of families with children and retirees.

Source: Population and household forecasts, 2016 to 2041, prepared by .id (informed decisions), November 2021.

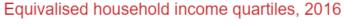


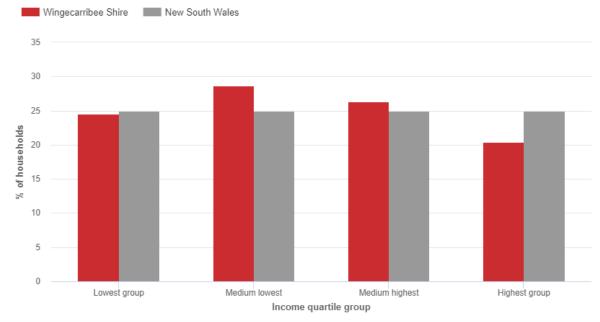
Socio-economic trends in 2016 and change from 2011

TREND	Wingecarribee Shire	New South Wales
Median weekly individual income	\$645 +18%	\$664 +18%
Median weekly household income	\$1,335 +22%	\$1,482 +20%
SEIFA Index of Disadvantage	1,034	Ranked 25 th of 130 LGAs in NSW, from most advantaged to most disadvantaged. Fairly well off overall. Pockets of disadvantage.



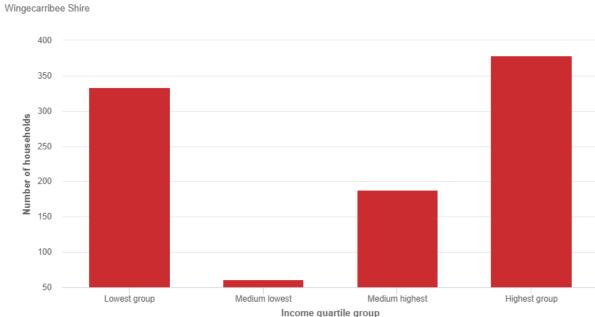
Socio-economic trends





Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 (Enumerated data). Compiled and presented in profile.id by id (informed decisions)

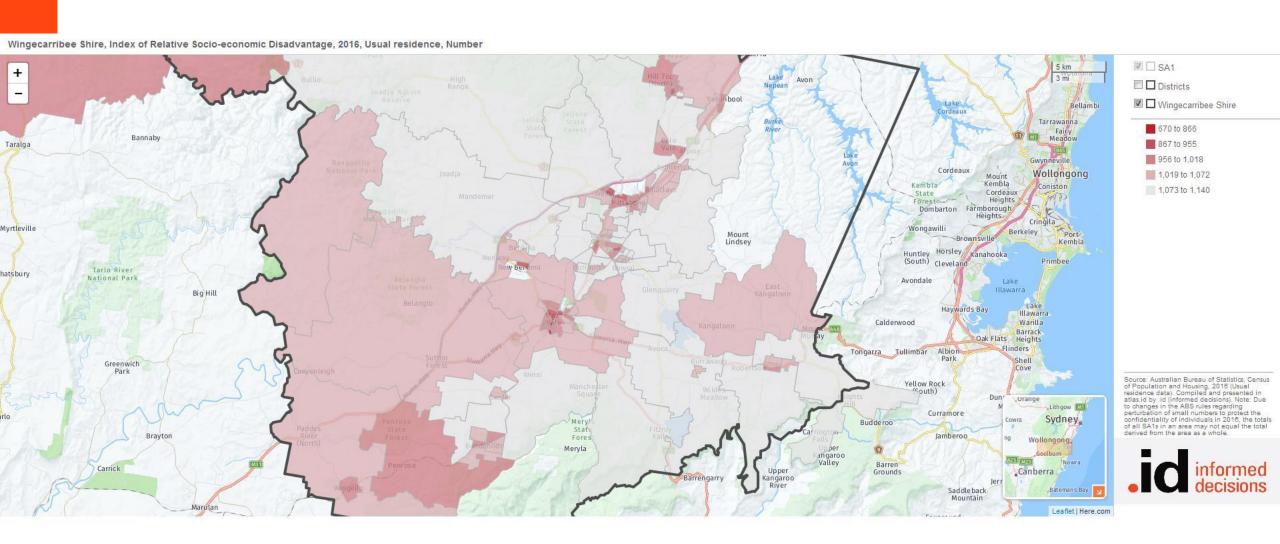
Change in equivalised household income quartiles, 2011 to 2016



Source: Australian Bureau of Statistics, Census of Population and Housing, 2011 and 2016 (Enumerated data). Compiled and presented in profile.id by id (informed decisions).

Generally incomes in Wingecarribee are clustered in the middle compared to the state, but are polarising, with increases at both the upper and lower end.





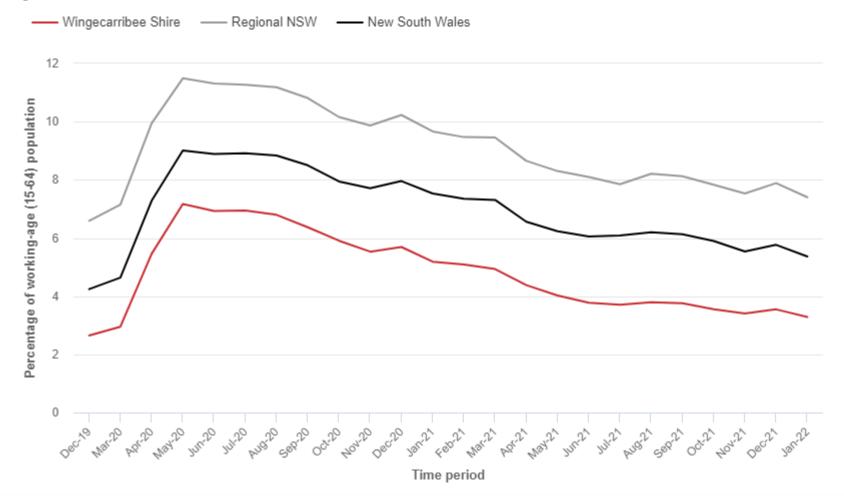
Consistently high advantage in the rural areas (particularly closer to Sydney), with a mixture in the towns, including pockets of disadvantage.



JobSeeker

JobSeeker rate over time, Wingecarribee Shire and benchmarks

Wingecarribee Shire



Source: Department of Social Services - JobSeeker and Youth Allowance recipients - monthly profile via data.gov.au. Compiled and presented by <u>id</u> (informed decisions)

Wingecarribee has a very low rate of unemployment and JobSeeker recipients. Consistently around 3-4% for both measures. Not much variation between areas. Currently 3.5%.

JobSeeker peaked around 7% in May 2020 during the initial lockdown, and has trended downwards since, apart from a small uptick in December 2021.

This dataset is now updated monthly.



economy.id

- Annually updated, modelled economic data.
- Size of the economy, value and employment in 87 industry sectors
- Detailed journey to work information by industry and occupation.
- Track individual industry change over 15 years.
- Detailed worker profiles and characteristics.
- Economic modelling tool what if? Analysis
- Event impact calculator
- Tourism information
- http://economy.id.com.au/wingecarribee
- 2020-21 data just released recommend a detailed training session from .id's economics team.





Value added by industry sector 2020/21





Wingecarribee's economy is valued at about \$3 billion, and has shown consistent growth in the past 10 years, with just a small dip in 2019/20 due to the initial impact of COVID-19. The largest industry is Manufacturing – particularly Cement, Lime and Concrete, and Machinery and Equipment Manufacturing.

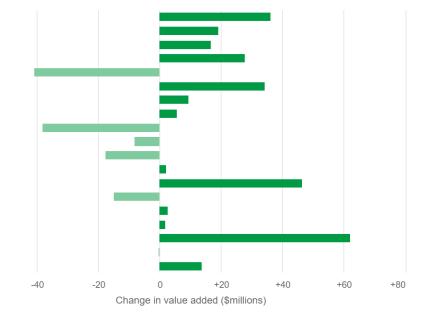
Change in value added by industry sector, 2015/16 to 2020/21

Wingecarribee Shire

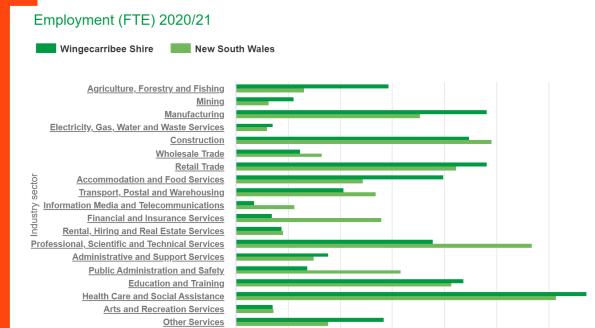
% of total value added

Source: National Institute of Economic and Industry Research (NIEIR) ©2021 Compiled and presented in economy.id by .id (informed decisions).









0% 2% 4% 6% 8% 10%

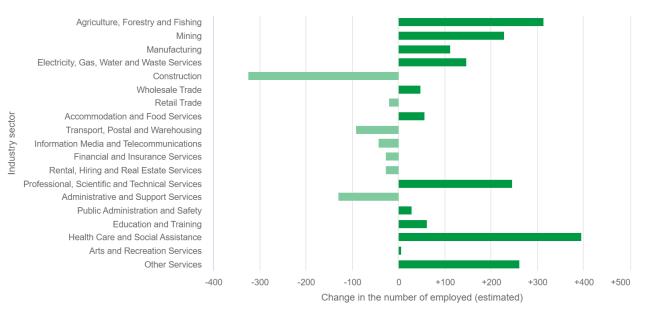
Percentage of the employed (FTE)

Source: National Institute of Economic and Industry Research (NIEIR) @2021 Compiled and presented in economy.id by .id (informed

decisions).

Change in employment (FTE), 2015/16 to 2020/21

Wingecarribee Shire



Source: National Institute of Economic and Industry Research (NIEIR) ©2021 Compiled and presented in economy.id by .id (informed decisions).

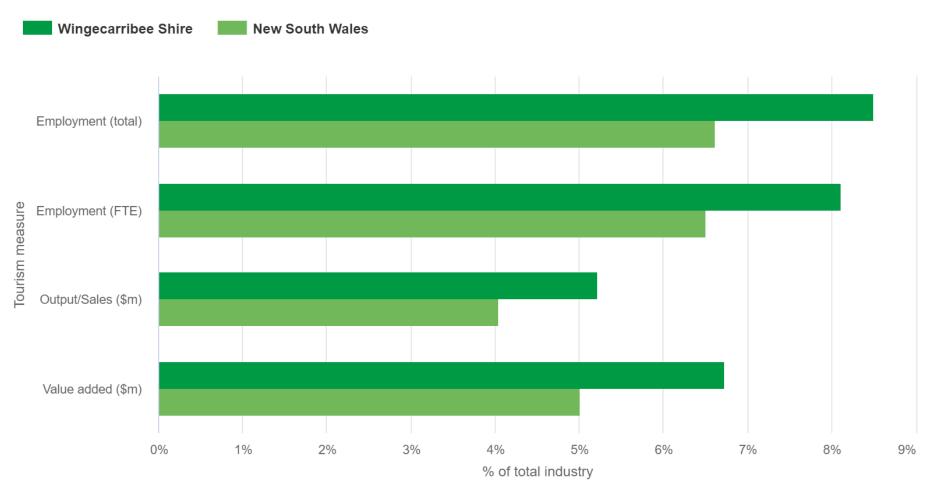


Just over 18,000 FTE jobs in Wingecarribee Shire, with the largest share, as well as the largest growth being in the Retail Trade sector, closely followed by Health Care and Social Assistance.

The number of jobs and employed residents is very close – about 23,000 local jobs and 26,000 employed residents (not FTE).



Value of tourism and hospitality 2019/20



Source: National Institute of Economic and Industry Research (NIEIR) ©2021 Compiled and presented in economy.id by .id (informed decisions)



Pre-pandemic in 2019, tourism hit a peak before subsiding a bit during 2020 (but still high compared to previous years).

2021 data for this not available yet.





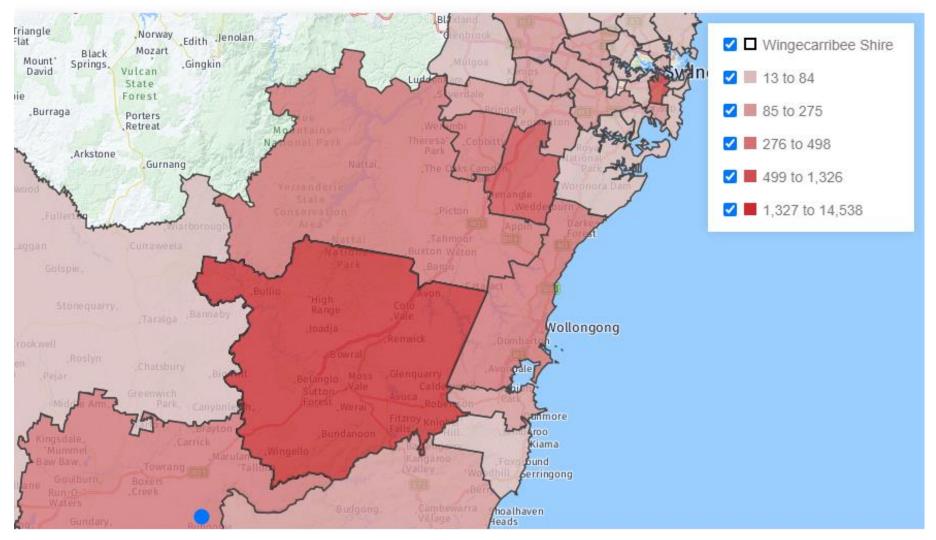
Work destinations

Wingecarribee Shire	Workers 2016
Total workers 2016	17,872
% of workers living locally (self sufficiency)	81.3% (-2.3%)
Main origins of workers	Wollondilly (5.9%), Wollongong (2.3%), Goulburn (2.2%)
Total employed residents 2016	20,599
% of residents working locally (self-containment)	70.6% (-6.3%)
Main destinations of residents	No Fixed Address (6.4%), Sydney City (3.2%), Campbelltown (2.5%), Wollondilly (2.4%), Wollongong (1.8%)



Employment locations of residents by LGA, 2016

Wingecarribee Shire



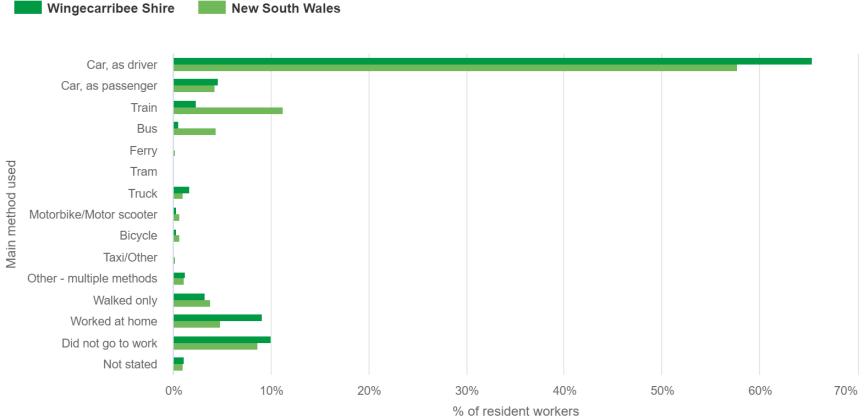
Source: Australian Bureau of Statistics, Census of Population and Housing 2016. Compiled and presented in profile.id by .id (informed decisions).



Method of travel

Resident workers method of travel to work, 2016

Wingecarribee Shire - All industries



'Source: Australian Bureau of Statistics, Census of Population and Housing, 2016 Compiled and presented in economy.id by .id (informed decisions).'



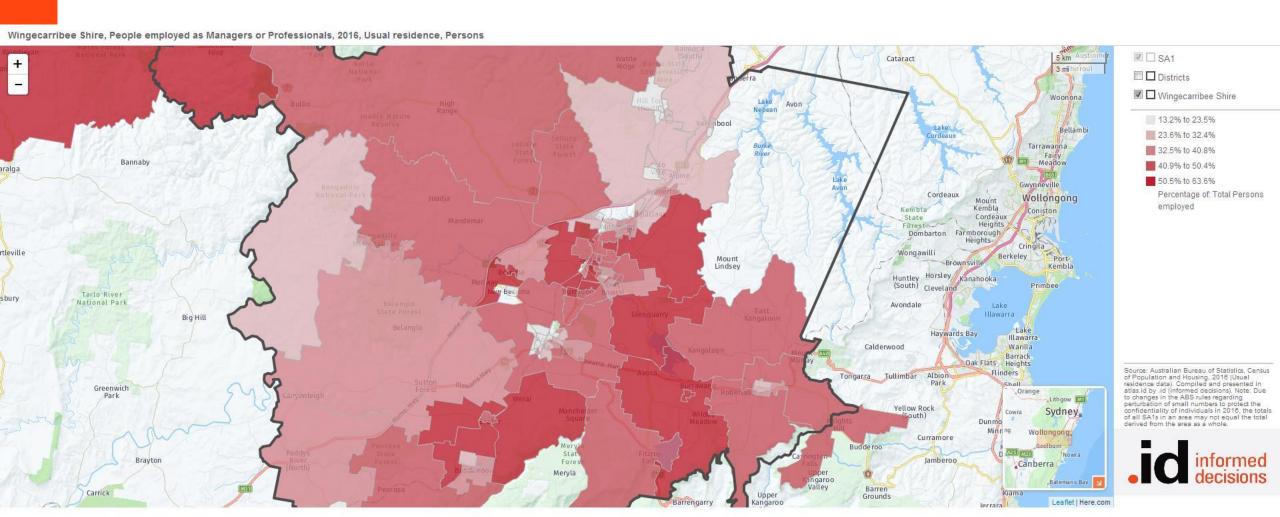
Residents working from home made up 9.1% of employed residents in 2016, already one of the highest rates in the country.

Many of these are in Professional Services and Admin.

With Sydney in Lockdown for 2021 Census, and long-term work from home becoming the norm, expect a far higher proportion, as some people move to Wingecarribee specifically to work from home.

Probably around 40% for the 2021 Census.





Large managerial and professional workforce around Bowral, Mittagong and some of the surrounding rural areas (here it's a bit confused due to Agriculture – farm managers on their own farms). But not many in Moss Vale or the northern towns like Hill Top. These occupations are more likely to be able to work from home during the pandemic.



12 predictions for 2021 Census results

- 1. Slower population growth
- 2. Census count closer to official population estimates
- 3. 80% of Australians fill in Census online
- 4. More people counted at home
- 5. Less overseas visitors
- 6. UK remains largest overseas-born, but China and India to overtake NZ as 2nd and 3rd largest.
- 7. Shift away from the cities only half the population growth to be in our capitals, the lowest in 50 years.
- 8. Further rise in No Religion
- 9. Dramatic increase in "Work from home" but highly variable between states. 30-40% expected in NSW.
- 10. Further increase in renting, as housing affordability (or lack of it) bites.
- 11. More unoccupied dwellings in our cities, less in our regions.
- 12. Long-term health conditions affecting almost 1 in 2 people (new topic)



1st release of Census data June 2022 (most of it).

We will be updating all our client sites progressively, starting within 1 month of this release, with the data that comes out then.

Economy.id Census data, and some of the profile data out in 2nd release, October 2022. (But economy has the full modelled dataset every year independent of Census – just released for 2020/21).

SEIFA index out early 2023.



NEW FOR 2021 CENSUS

Long-term health conditions

Has this person been diagnosed with:

Arthritis

Asthma

Diabetes

Dementia

Heart disease

Kidney disease

Lung condition

Mental health condition

Stroke

Other



New topic will be included in all our community profiles.

Also a great opportunity to analyse the distribution of health conditions alongside socio-economic status.

We already know poorer health outcomes are correlated with lower socio-economic status.

See also blog on vaccination rates. https://blog.id.com.au/2021/population/covid-vaccination-rates-and-seifa/



Summary

- Wingecarribee has shown steady population growth and this is predicted to continue, with a brief increase and then fall during the COVID pandemic. Currently growing around 600 people p.a. and now over 50,000 people in total.
- With an age structure much older than the state average (median age of 47), there is a low birth rate, and the Shire needs a net inflow of migrants for the population to even remain stable.
- This is occurring, with substantial movement in from the more affluent areas of Sydney a mix of retirees and families with school-age children seeking a tree-change. This is expected to have increased during the pandemic, combined with a lower movement out of school leavers to the city.
- Socio-economically, Wingecarribee is quite high on the index. This is mostly in the semi-rural areas surrounding all the towns, which have large properties with large houses. Disadvantage is mainly in pockets of the three largest towns, particularly Mittagong and Moss Vale. Also the smaller towns of Hill Top in the north, and Wingello in the south have substantial disadvantage. Burradoo has the highest level of advantage.
- The economy is worth exactly \$3 billion in 2019-20, and Manufacturing is the largest value-added sector. However Retail Trade remains the biggest employer and increased the most in employment terms in the past 5 years.
- The 2021 Census is expected to show major changes in the way we live particularly for places like Wingecarribee, likely to see further population growth and about 40% of the population working from home.



Summary

- Wingecarribee Shire Council has access to 4 .id tools, profile.id, atlas.id, forecast.id and economy.id, in the recently expanded toolkit.
- housing.id (housing affordability monitor) is available to add.
- .id is available to help and provide training and ongoing support for all staff and users of the data.
- .id can provide additional data and analytical consultancies on request. Please contact us with your additional requirements.
- Slides and session recording http://content.id.com.au/briefings

Access all your .id sites from the landing page at http://www.id.com.au/wingecarribee

You also have access to the Canberra Region Joint Organisation sites, covering 11 regional LGAs:

http://www.id.com.au/crjo

community views

hear community views

housing monitor

nonitor housing provision and affordability

community profile

understand your community over multiple timescales



economic profile

analyse jobs, industry and model economic change

social atlas

allocate your resources at a local level

population forecast

plan for the future based on a set of agreed assumptions



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