



northern
beaches
council

Economic & Smart Communities
Strategic Reference Group

ATTACHMENT BOOKLET

ECONOMIC AND SMART COMMUNITIES

WEDNESDAY 18 AUGUST 2021

TABLE OF CONTENTS

| Item No | Subject | |
|---------|--|---|
| 6.1 | NORTHERN BEACHES - ECONOMIC HEALTH CHECK | |
| | Attachment: Health Check 2021 - Northern Beaches | 2 |

Northern Beaches - Economic Health Check

June 2021



.id informed
decisions



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Executive summary

The profile of the local economy and workforce generate several opportunities to grow but also potential challenges.



Economic growth was solid but lower than metro average pre-COVID

- Economic growth has consistently been below the Greater Sydney average over the decade, however it does not rely just on population based services to grow.
- Local jobs growth has exceeded growth in employed residents in recent years
- Visitation grew considerably in the five years prior to COVID
- Economic growth has been aided by an increase in participation
- Unemployment levels are consistently below the metro average



Several positive factors support economic growth

- Health care, social assistance and tourism has driven jobs growth.
- Growth in white collar jobs in manufacturing was also solid supported by chemical (pharmaceuticals) and machinery and equipment manufacturing
- Strong residential construction pipeline has continued through the COVID pandemic
- Northern Beaches has a high share of home based business owners suggesting a strong entrepreneurship base
- Northern Beaches is over-represented in creative services such as design, photography, architecture
- High income well qualified residents supporting local retail and hospitality expenditure



We have identified a number of challenges due to local and macro economic factors.

- International travel restrictions will limit population growth and international visitation over the next couple of years
- The gap between local jobs and working residents especially in some industries such as Professional Services has not closed greatly.
- Construction has decreased since the completion of the Northern beaches Hospital and non-residential building approvals lean more towards community assets rather than commercial developments.
- Poor public transport connections can increase traffic congestion and limit potential of strong growth of business precincts compared to other areas in Sydney (esp. Metro aligned ones)

Understanding these opportunities and challenges provide a strong foundation to then identify the most appropriate intervention.

Health check

Positive factors



Economic conditions

- Jobs growth has been stronger than growth in employed residents meaning there are more local jobs to go around
- Strong growth in residential building approvals should help maintain local construction industry related confidence. Non-residential building approvals has been higher in recent years than a decade ago.
- Domestic and international visitation (pre-COVID) has grown strongly since 2015

Industry

- Strong growth in healthcare and social assistance and tourism related retail, arts and recreation areas.
- Above benchmark average growth in Manufacturing due to white collar based jobs in chemical and machinery equipment industries.

Demography

- Resident education attainment and skills higher than the Greater Sydney average leading to higher incomes, greater labour force participation and lower unemployment

Outlook

- Population ageing, the opening of the Northern Beaches Hospital in 2018 and new aged care facilities may help further growth in the Healthcare industry.
- Frenchs Forest earmarked as a strategic growth centre by NSW Government.
- An increase in remote working for white collar office based employees may support local retail and uptick in coworking facilities.
- Potential to tap into entrepreneurial worker base due to having a much higher share of professionals managing home based businesses.
- The success of Blackmores campus can be used as an example to promote/attract relocation of commercial offices to suburban business parks in the LGA
- Higher exchange rate and international travel restrictions may boost domestic tourism
- Increase in house prices may have a wealth effect supporting spending in the short term.

Weaknesses



Economic conditions

- Population growth has been weaker than the Greater Sydney average leading to lower growth in GRP
- Lower GRP growth in the last recent years as a result of a decrease in construction activity following the completion of Hospital
- Productivity per worker has declined as less productive industries (e.g. health, retail) grow their share of employment

Industry

- Growth in Professional, Scientific and Technical Services has not been as strong as the Greater Sydney average and there is still a substantial job deficit (over 10,000 less jobs than employed residents)
- Some high value industries such as Financial and Insurance Services have seen minimal growth in recent years

Demography

- The median age of Northern Beaches residents is higher than the Greater Sydney average and forecasted to get older in the next 20 years
- Residents and workforce are less culturally diverse which may limit the diversity of businesses and potentially limit workplace innovation.

Outlook

- Planned non-residential building activity leans toward community assets, not necessarily commercial/industrial developments.
- Downside risks to state, national and global economic growth may impact longer term economic and job growth in Northern Beaches
- International travel restrictions limits international visitation and reduces potential length of stay of visitors.
- Health/aged care growth may contribute to lower productivity going forward unless higher value services are focused on.
- Poor public transport connections across the region leads to excess car usage which will see congestions costs and carbon emissions increase over time and potentially limit growth/attractiveness of business parks

Opportunities for sustained growth

The analysis in this report suggests there is potential to explore a number of actions that may help the Northern Beaches economy improve or sustain growth going forward.

- Support establishment of co-working or “Work Near Home” suburban shared workspace facilities in high amenity retail/commercial hubs. Look for opportunities to repurpose vacant or underutilised premises and/or ensure new developments provide enough smaller adaptive commercial space.
- Fund and/or support establishment of tech/creative incubators with linked entrepreneurial networks to support mentorship.
- Explore surveying professional services home based businesses to investigate scale and needs of this market.
- Investigate potential of large commercial companies (e.g. Blackmores) or Universities to develop/support accelerator programs in the region.
- Plan for and improve high frequency public transport options between main economic nodes.
- Leverage the success of Blackmores campus model as an example to promote/attract relocation of commercial offices and/or manufacturing facilities. Marketing strategy to highlight the benefits of environmentally sustainable developments in high amenity areas close to where residents live.
- Explore development of shared/open access infrastructure (e.g. research facilities, shared energy systems, community batteries) to reduce costs for smaller enterprises.
- Explore potential to form links between key health assets, local manufacturing companies and education research providers to grow commercial health science opportunities (esp. in growing rehabilitation equipment and services market).

- Better and consistent planning, in collaboration with State Government, is needed to ensure land use needs of existing commercial enterprises and new residential developments are balanced in the Frenchs Forest precinct. Residential development supports housing mix and affordability outcomes but can sometimes have an adverse impact on non-population servicing employment
- Identify key competitive factors/attractors for key business parks that will come under increased pressure from other locations in Sydney benefiting from new metro accessibility.
- Develop and/or support a local design network highlighting Northern beaches expertise in this area (see creative industries specialisations) and allowing local businesses to tap into resources.
- Explore how to grow domestic tourism opportunities due to the short term absence of international visitors and Tourism Australia focus on regional markets.

Contents page

01

Health check
review

02

How was the
economy
performing pre-
COVID?

03

What was driving
recent economic
conditions?

04

Which industries
were driving pre-
COVID growth?

05

What happened
during the COVID
pandemic shock

06

Which industries
are competitive
and how is this
changing?

07

How does the
spatial economy
operate?

08

How does
demography and
Socio-economics
look like?

09

What macro
forces may
influence
outlook?

10

What is the
potential
projections for
economic and
employment
change?

11

Appendix

How was the economy performing pre-COVID?

Economic activity has been weaker than Greater Sydney but enhanced by growth in tourism* and less population driven

Northern Beaches generated \$17,410m in GRP and supported an estimated 110,984 jobs in 2018/19. This represents 3.7% of Greater Sydney's economy in terms of GRP (3.9% in terms of local jobs).

The economy in terms of GRP has been expanding over the last 3 year with annual average GRP growth rate of 2.0%. Similarly, the number of local jobs increased at an average of 2.2% per annum during the same period.

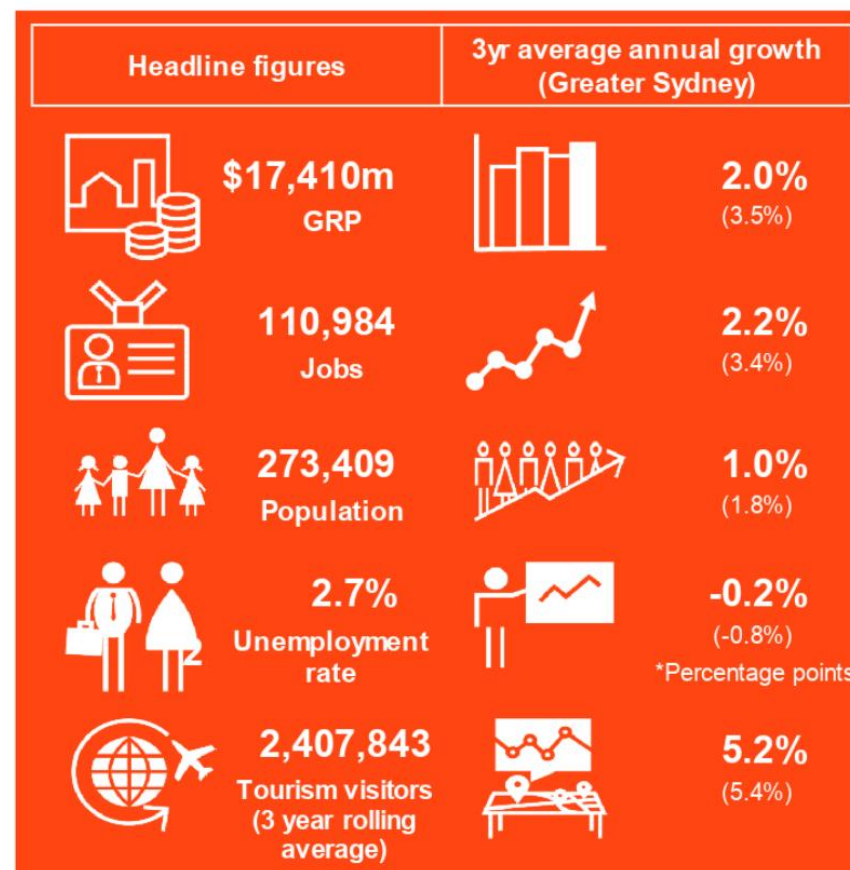
Population wise Northern Beaches represents 5.3% of Greater Sydney's total population. Population increased by 1.0% per year between 2016 and 2019, below the Greater Sydney average.

The unemployment rate was 2.7% as at June 2019, relatively lower than Greater Sydney (4.1%). It has decreased by -0.2% points in the last 3 years.

Tourism visitation grew by 5.2% per year between 2016 and 2019, well below the Greater Sydney average of 5.4% per year.

*Prior to COVID

Northern Beaches economy in 2018/19



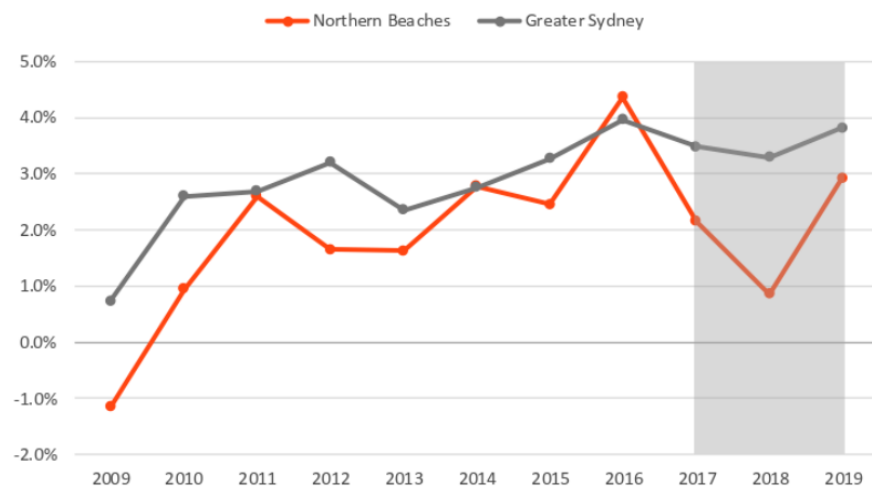
Economic growth below the Greater Sydney average

Over the decade to 2019, Northern Beaches GRP grew at 2.2% per annum, below the Greater Sydney average (3.1% per annum). However, recent growth has been lower. In the last 3 years, the region's GRP has increased by 2.0% per annum.

Compared to Metro LGAs, Northern Beaches GRP growth over the period from 2016 to 2019 (2.0% per annum) has been lower, the average annual GRP growth rate of surrounding Metro LGAs during the same period was 3.4% per annum.

Growth in GRP - Northern Beaches

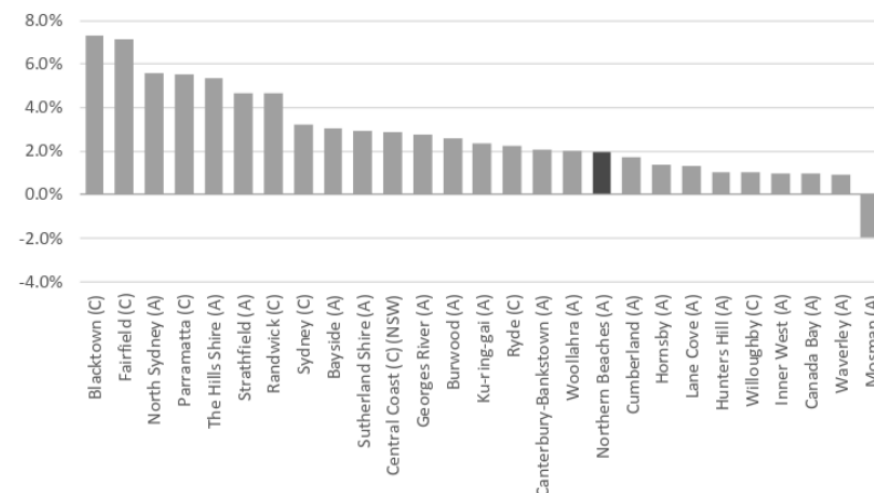
% per annum



Source: NIEIR, 2021

Growth in GRP - Metro LGAs, 2016 to 2019

% average annual growth rate



Source: NIEIR, 2021

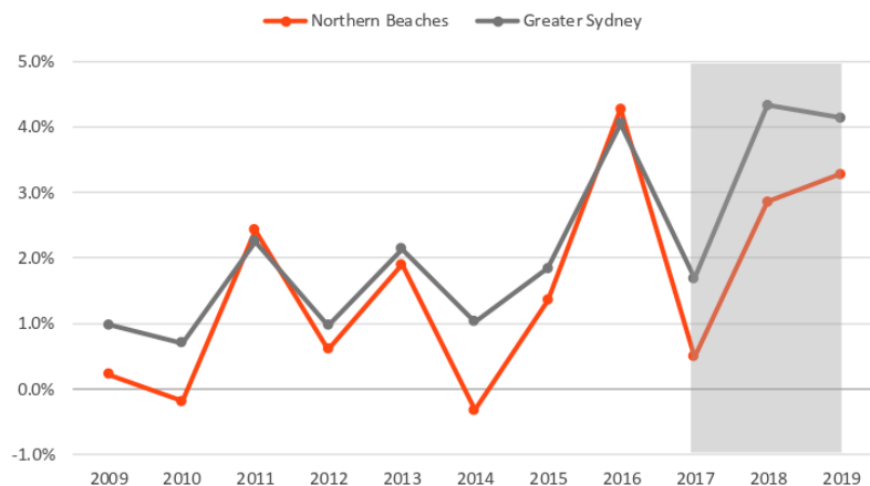
Jobs growth has also underperformed compared to the Greater Sydney average

From 2009 to 2019, Northern Beaches local jobs grew at 1.7% per annum, below the Greater Sydney average (2.3% per annum). In the last 3 years, Northern Beaches local jobs growth has been higher compared to the period from 2009 to 2019. From 2016 to 2019, local jobs has increased by 2.2% per annum.

The Northern Beaches local jobs growth under performed compared to surrounding Metro LGAs, where over the period from 2016 to 2019, the average local jobs growth rate was 3.2% per annum.

Growth in Local Jobs - Northern Beaches

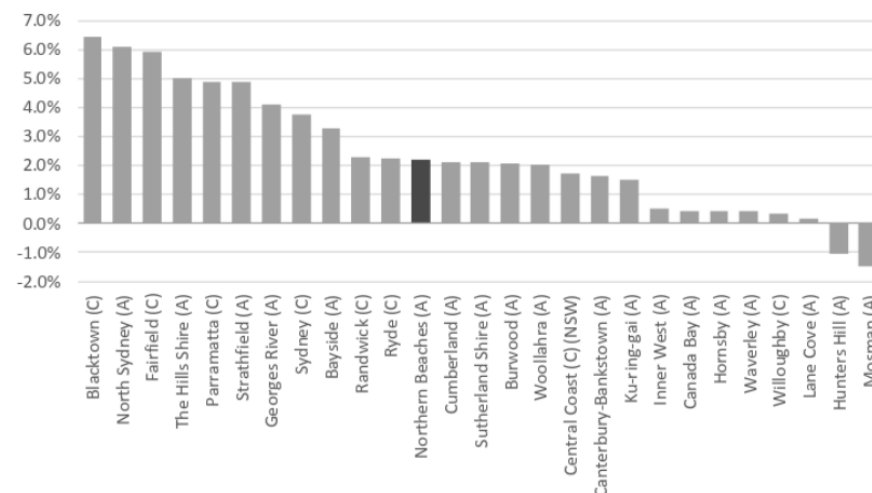
% per annum



Source: NIEIR, 2021

Growth in local jobs - Metro LGAs, 2016 to 2019

% average annual growth rate



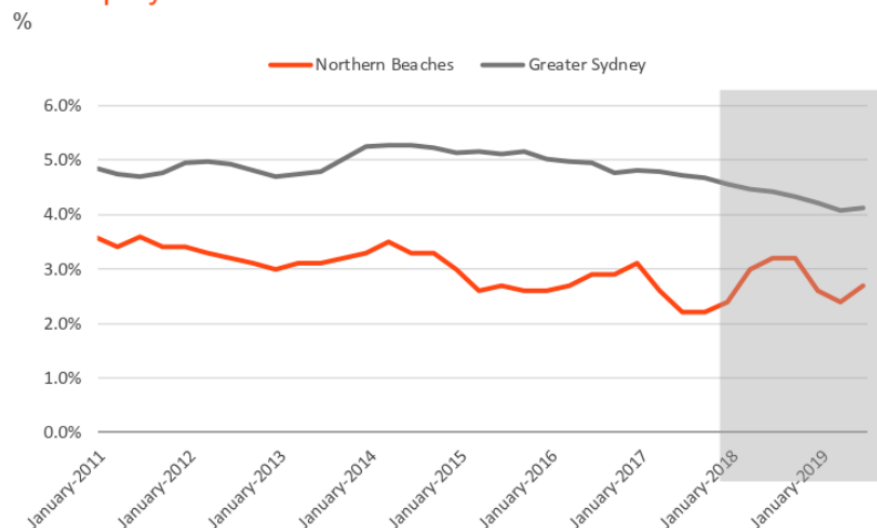
Source: NIEIR, 2021

Unemployment rate continues to be well below the metro average and third best out of all Greater Sydney LGAs

Over the last eight years to June-2019, the unemployment rate in Northern Beaches averaged at 2.9%, below the Greater Sydney average (4.8%). However, recent unemployment rate has been lower. The average unemployment rate over the last 3 years to June-2019 in Northern Beaches decreased to 2.7% (2.7% in June-2019).

Compared to surrounding Metro LGAs, the Northern Beaches average unemployment rate over the last 3 years to June-2019 (2.7%) was below the surrounding Metro LGA average unemployment rate during the same period (4.2%).

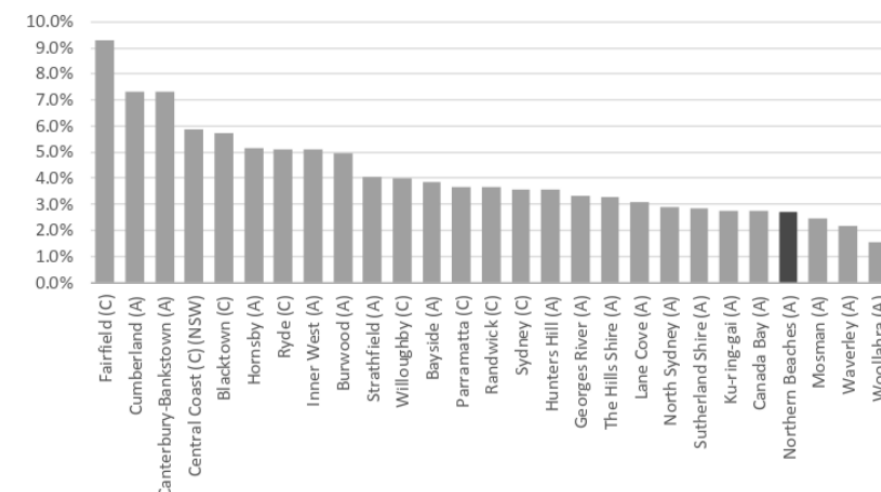
Unemployment rate - Northern Beaches



Source: ABS Labour force survey (2021); Department of Employment SALM (2021)

Average unemployment rate - Metro LGAs

%, from June-2016 to June-2019



Source: ABS Labour force survey (2021); Department of Employment SALM (2021)

Local economic performance is heavily influenced by major projects. Building approvals have been very strong in recent years with growth in non-residential compared to ten years ago

The average value of non-residential building approvals over the last three financial years (\$264M) has been below the decade long average (\$274M). However, this average was heavily influenced by the \$500m+ approval of the Northern Beaches Hospital in 2014/15. Compared to the early 2010s, non-residential approvals have been strong. In this recent period, the total value of residential building approvals (\$1,193M) has outweighed total non-residential building approvals (\$527M).

The leading driver of non-residential building approvals value in the last three years has been Education buildings, followed by Retail and wholesale trade buildings and Warehouses.

Building approvals - Northern Beaches

Annual (FY) value approved



Source: ABS, 2021, Cat: 8731.0 - Building Approvals, Australia

Non-residential approvals - Northern Beaches, last 3 years

Annual value approved by type, three years to Jun-2019



Source: ABS, 2021, Cat: 8731.0 - Building Approvals, Australia

What was driving recent economic conditions?

Creating more jobs than growth in employed residents, but job creation appears to be in less productive industries

Over the last 3 years to 2019, the main contributor to economic growth in the Northern Beaches was change in population which averaged 1.0% per annum. However, this was below the average figure for the period from 2009 to 2019

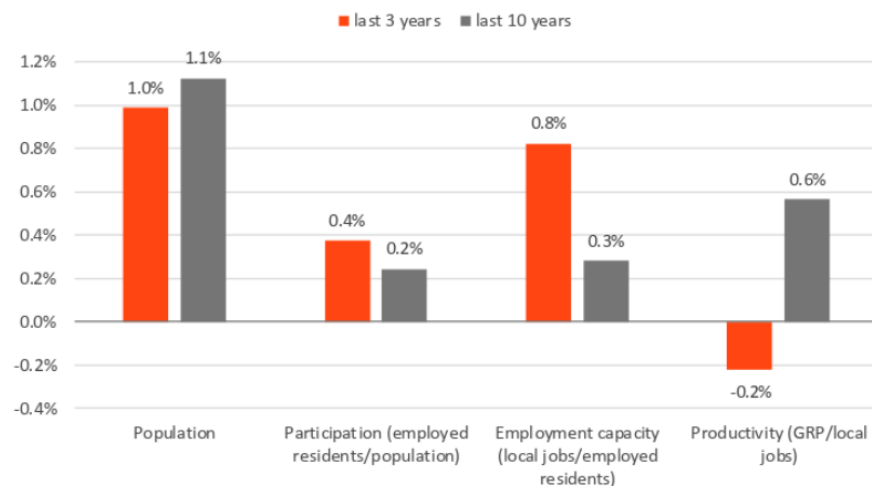
During the same period, the main detractor from growth was productivity which averaged -0.2% per annum.

Compared to the Greater Sydney, Northern Beaches had higher components of growth in employment capacity which suggest more local jobs have been created than growth in residents accessing employment.

However, growth in population, participation, productivity have been lower. This may reflect the older age profile (declining participation) and growth in less productive industries (e.g. arts and recreation, retail).

Components of growth - Northern Beaches

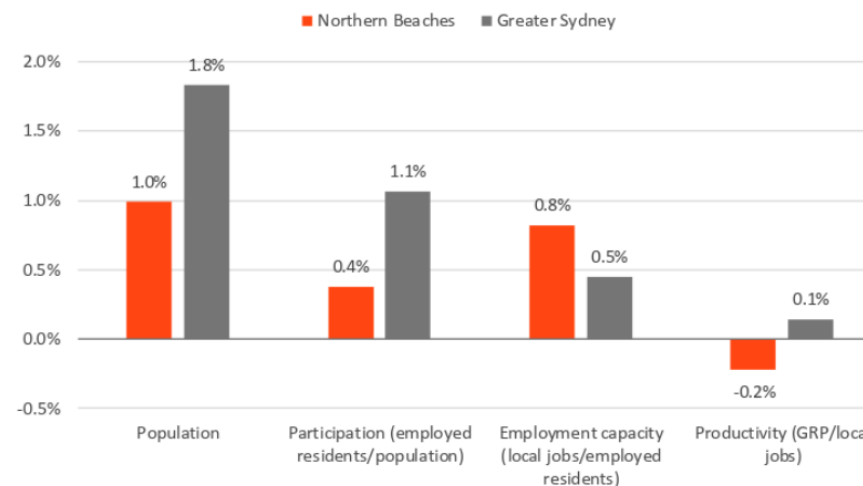
Annual average growth %



Source: NIEIR, 2021

Components of growth - Northern Beaches, 3 years

Annual average growth %



Source: NIEIR, 2021

International migration driving population growth, longer term residents moving out

Over the decade to 2019, Northern Beaches's population growth has been below the Greater Sydney average.

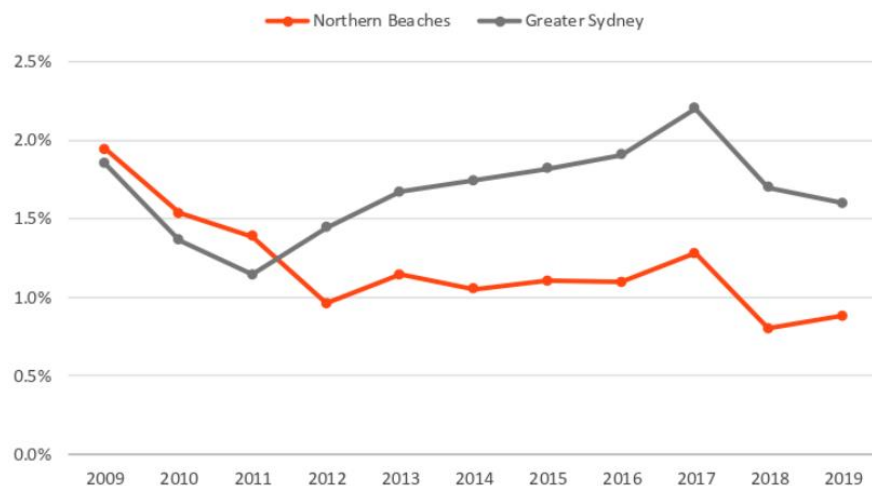
The main contributor to population growth in recent years was net overseas migration (people arriving from overseas minus those leaving). An estimated 8,889 net new residents came from this component between 2016 and 2019.

The main detractor from growth was net internal migration (people moving in minus those moving out of the LGA within Australia) which the region is losing residents to other locations in the state/country. An estimated 4,907 net residents were lost due to this component.

The other factor influencing population growth was natural increase (births minus deaths) and its impact was positive.

Recent population growth - Northern Beaches

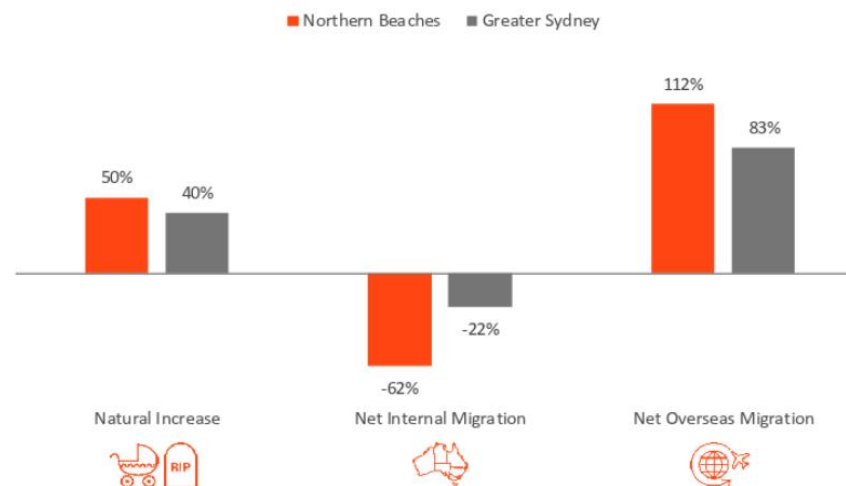
Annual Change in ERP %



Source: ABS, 2021, Cat: 3218.0 - Regional Population Growth, Australia, 2019-20

Pop growth components 2016-2019 - Northern Beaches

Change in component as a % of total change in population in the year to June 2019



Source: ABS, 2021, Cat: 3218.0 - Regional Population Growth, Australia, 2019-20

Employed residents are increasingly working in areas beyond Northern Beaches

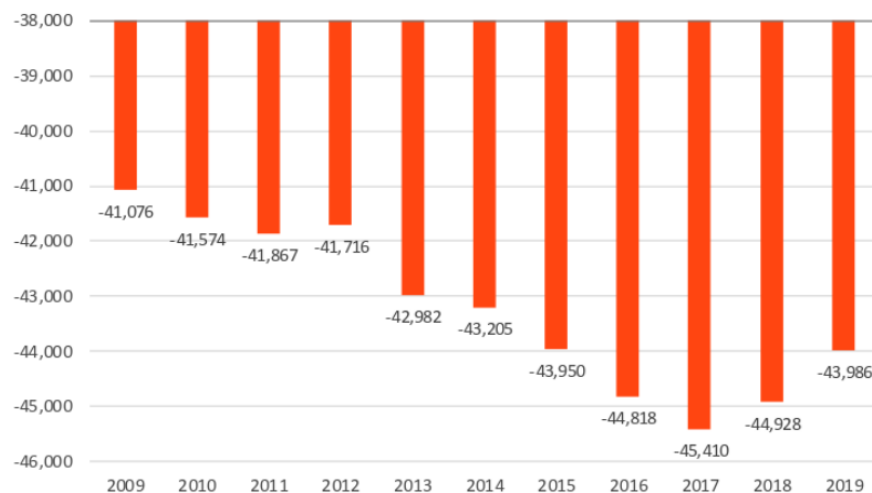
In 2019, there were 43,986 less jobs than employed residents. This suggests the region is not generating enough jobs to support its residence base, or neighbouring regions provide better opportunities.

This jobs 'deficit', difference between jobs and residents, has grown by 2,910 over the last ten years. However, it has shrunk in the last 3 years.

The share of residents working outside the LGA increased between 2011 and 2016. This suggests more residents were looking elsewhere for opportunities possibly because local jobs are not matching their needs.

Employment capacity - Northern Beaches

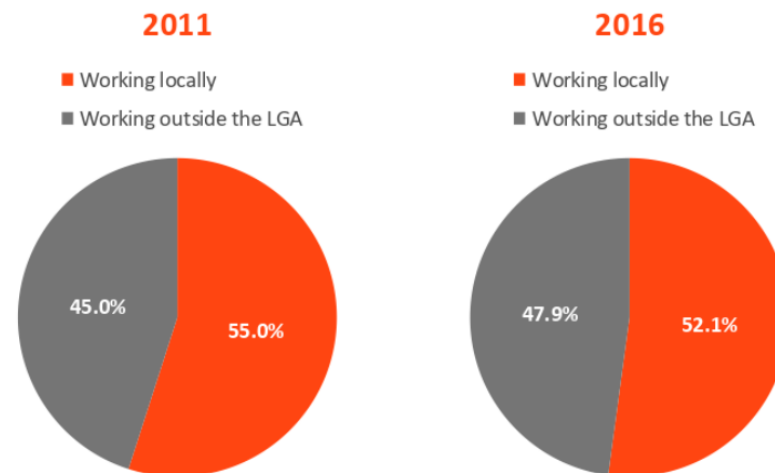
Difference between local jobs and employed residents



Source: NIEIR, 2021

Employment self containment - Northern Beaches

Share of residents working locally



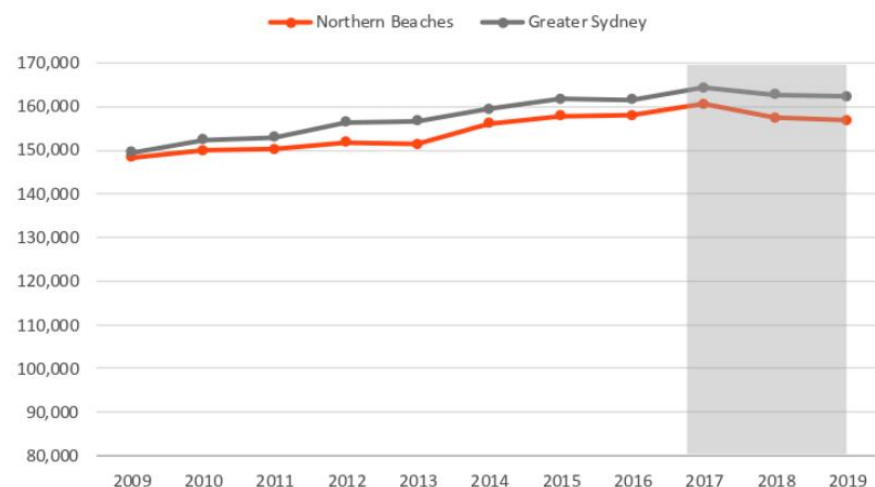
Source: ABS Census of Population and Housing, 2011 and 2016

Average worker productivity has fallen as Low economic value jobs in retail, hospitality and healthcare take up a greater share of employment

Northern Beaches's average worker productivity has increased over the decade to 2018/19, however the recent change (last 3 years) has been worse. Average worker productivity in 2018/19 was around \$5,354 per worker less than the Greater Sydney average. This difference has grown over the decade. Over the 3 last years, 7 out of the top 10 industries in terms of worker productivity experienced decreases in their shares of total job numbers in Northern Beaches.

Worker productivity - Northern Beaches

\$ GRP per worker



Source: NIEIR (2019)

The industry that experienced the largest growth in jobs share had a worker productivity level lower than the LGA average in 2018/19. The industry that experienced the largest decline had one lower than the LGA average.

Job change by productivity - Northern Beaches

| | Productivity, 2019 (\$ value added per job) | Change in share of total jobs, 2016 - 2019 |
|---|---|--|
| Rental, Hiring and Real Estate Services | \$413,863 | -0.3% |
| Financial and Insurance Services | \$379,333 | -0.1% |
| Electricity, Gas, Water and Waste Services | \$338,671 | 0.2% |
| Administrative and Support Services | \$209,702 | -1.0% |
| Wholesale Trade | \$198,086 | 0.2% |
| Mining | \$194,113 | 0.0% |
| Information Media and Telecommunications | \$178,616 | -0.1% |
| Manufacturing | \$155,618 | 0.2% |
| Professional, Scientific and Technical Services | \$140,531 | -0.4% |
| Public Administration and Safety | \$115,555 | -0.2% |
| Transport, Postal and Warehousing | \$114,865 | 0.1% |
| Agriculture, Forestry and Fishing | \$114,865 | 0.1% |
| Tourism and Hospitality * | \$112,043 | 2.1% |
| Construction | \$102,789 | -1.4% |
| Health Care and Social Assistance | \$77,879 | 2.2% |
| Education and Training | \$75,594 | -1.2% |
| Other Services | \$75,351 | -0.1% |
| Retail Trade | \$74,868 | 1.3% |
| Accommodation and Food Services | \$58,517 | -0.3% |
| Arts and Recreation Services | \$56,658 | 0.9% |

Source: NIEIR, 2021 | * Includes activities from other industries

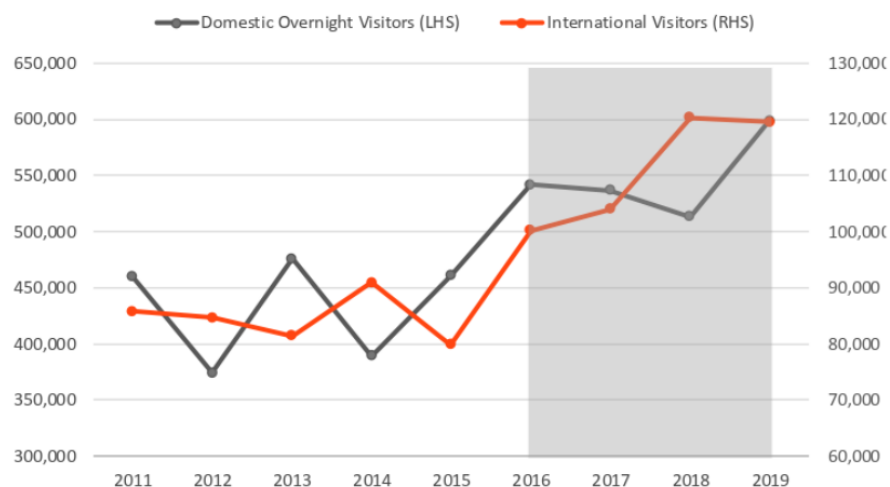
Overnight visitation has increased strongly since 2015

International visitation to the Northern Beaches increased by 4.2% p.a. in the period 2010/11 to 2018/19. Domestic overnight visitation increased by 3.4% p.a. However, growth really took off in the years after 2014/15 with international visitation estimated to have increased by 40,000 overnight visitors. Domestic overnight visitors were estimated to have increased by almost 150,000. International visitation drives expenditure as length of stay is much longer than domestic visitors.

Overnight visitation has coincided with a large increase in properties available for short term stay in the LGA. In 2019, an estimated 1,653 properties received 1 or more review, compared to under 200 in 2014. There are likely many more properties listed in the region and they have offered an alternative to traditional accommodation facilities. This provides a boost to areas of the region which do not have these facilities.

Visitation - Northern Beaches

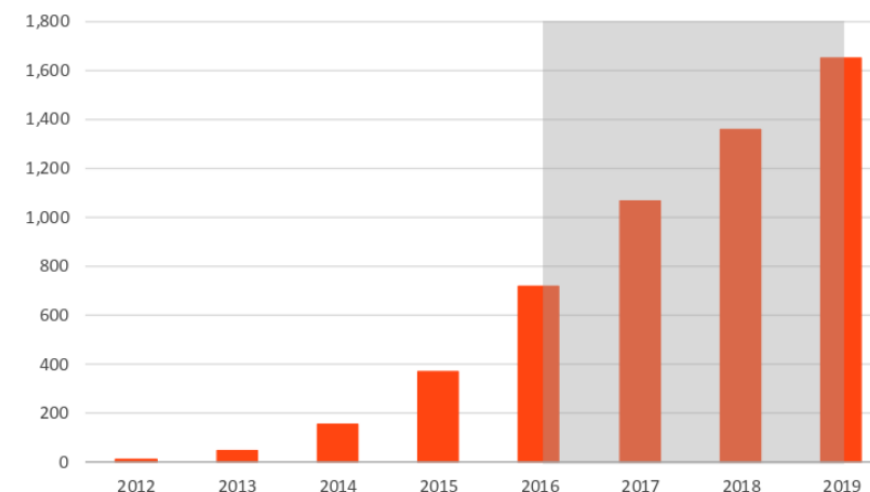
Estimated number of visitors



Tourism Research Australia, 2021

Airbnb - Northern Beaches

Number of properties that received reviews



Inside Airbnb, 2021

Which industries were driving pre-COVID growth?

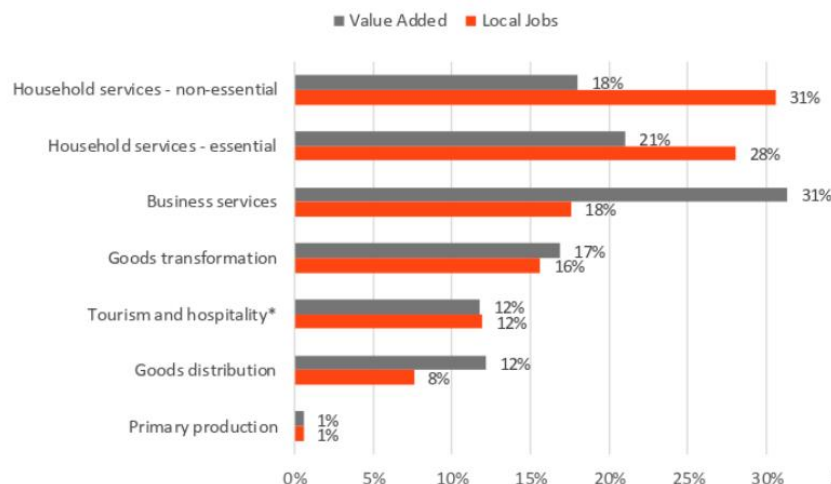
Northern Beaches' economy supports a mix of household services and professional business services.

In 2019, the majority of Northern Beaches' employment was in household services. However, nearly a third of the economic value generated was in business services related industries.

The industries that were the top for jobs and productivity included: Health Care and Social Assistance, Retail Trade, Professional, Scientific and Technical Services, Construction and Wholesale Trade.

Industry profile - Northern Beaches

% of total, 2019



Source: NIEIR, 2021 | * Includes activities from other industries

Top 4 Industries in 2019



Source: NIEIR, 2021 | * % of local jobs in Northern Beaches; ** % of value added in Northern Beaches

Health Care and tourism related industries have been key drivers of employment growth, manufacturing and wholesale trade have also increased. The news was not so good for, administration support, education and construction.

Over the last 3 years, the major drivers of productivity and job growth included: Health Care and Social Assistance, Tourism and Hospitality *, Retail Trade, Arts and Recreation Services, Manufacturing.

Over the last 3 years, the main detractors of productivity and job growth included: Mining, Transport, Postal and Warehousing, Rental, Hiring and Real Estate Services, Construction.

Industry performance - Northern Beaches

Last 3 years (2016-2019)

| | Jobs | Value Added \$m |
|---|-------|-----------------|
| Administrative and Support Services | -839 | 8 |
| Construction | -785 | -224 |
| Education and Training | -613 | 26 |
| Rental, Hiring and Real Estate Services | -208 | -33 |
| Transport, Postal and Warehousing | -45 | -28 |
| Mining | -40 | -3 |
| Public Administration and Safety | 18 | 34 |
| Financial and Insurance Services | 30 | 6 |
| Information Media and Telecommunications | 31 | 10 |
| Agriculture, Forestry and Fishing | 96 | 18 |
| Electricity, Gas, Water and Waste Services | 241 | 115 |
| Accommodation and Food Services | 291 | 10 |
| Other Services | 292 | 16 |
| Professional, Scientific and Technical Services | 306 | 82 |
| Wholesale Trade | 561 | 55 |
| Manufacturing | 747 | 89 |
| Arts and Recreation Services | 1,161 | 60 |
| Retail Trade | 2,324 | 213 |
| Tourism and Hospitality * | 3,143 | 434 |
| Health Care and Social Assistance | 3,453 | 374 |

Source: NIEIR, 2021 | * Includes activities from other industries

The good news

- An ageing population and the full completion of the Northern Beaches Hospital in 2018 has supported strong growth in the **Health Care and Social Assistance** Industry. Flow on benefits have spread to allied health services.
- Strong growth in international visitation (international visitor nights were estimated to have increased by 1 million between 2015/16 and 2018/19¹) has supported employment growth in **tourism and hospitality** areas.
- Projects such as the \$300 million Westfield Warringah Mall redevelopment completed in late 2016 have supported uplift in **retail trade**.
- Arts and recreation have benefited from increasing visitor demands and also approval of new recreation facilities.**
- Manufacturing** employment has grown strongly off the back of white collar jobs connected to Northern Beaches hosting corporate offices of major chemical/pharma companies (e.g. Blackmores, Dow Chemicals and Kirsch Pharma Australia) and machinery equipment companies (e.g. Schaeffler Australia).

The bad news

- Construction** activity has wound down from its peak in 2016/17 as major projects such as the aforementioned hospital and shopping centre developments completed.
- This has had flow on affects to a drop of in demand for building cleaning services and gardening services (within **Administration and Support Services**) after the peak construction period

¹Tourism research Australia, 2021

What happened during the COVID pandemic shock?

Impacts from COVID-19

In March 2020, the Commonwealth and State Governments launched unprecedented public-health and economic responses to combat the growing pandemic threat.

Along with international passenger and trade restrictions, social distancing measures implemented towards the end of March had the greatest impact on employment and economic growth outcomes going forward.

Social distancing and 'isolation' was introduced to reduce the infection rate, slow deaths and ensure hospitals maintain sufficient ICU bed capacity to deal with COVID cases as well as normal emergency medical demand. The alternative option of limited social restrictions ran the risk of potentially overrunning ICU units leading to thousands of deaths (as experienced in some countries overseas) and the need for an even larger 'lock down' at a later stage.

The largest negative impacts for the State and National economies occurred in the second quarter of 2020 (final quarter 2019/20 FY) as rigid social distancing measures were maintained for months.

Following this, falling infections lead to eased restrictions but secondary waves of infections forced the reintroduction of stricter measures. However, economic activity was less severely impacted because the measures became more effective in containing the virus relative to the cost to economic activity.

Source: NIEIR, 2020

Economic policy responses

A number of responses were enacted by government to address the likely negative impacts of the social distancing policies.

- RBA – reduced interest rates (official and quantitative easing) and demand side
- Wage subsidy – boost cash flow for businesses
- Increases in working age and non-working age social security benefits
- Loan guarantee for small and medium businesses.
- Jobkeeper payment scheme – businesses effectively playing a centrelink role. But fine print impacted effectiveness – e.g. Australian citizen and casual employee >12 months
- Childcare payments

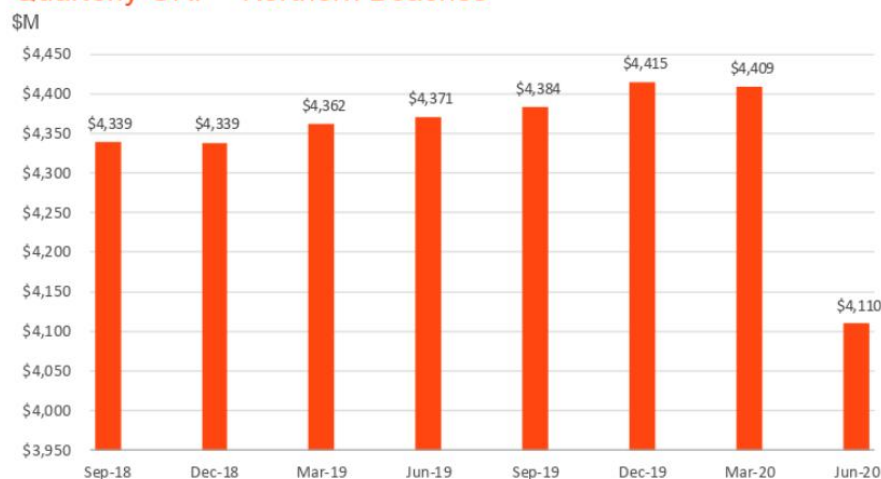
The majority of these measures, especially stimulus spending, helped address worker incomes but had limited impact on Gross Product due to the fact that most employees were at home and effectively not producing goods and services.

Northern Beaches experienced a substantial fall in GRP in the June Quarter. Industry value added fell by greater than the metro average, however jobs did not fall by as much.

The June Quarter 2020, saw an estimated \$300m fall in quarterly GRP for the Northern Beaches. This fall distorts the trend GRP growth for 2019/20 which would have been experienced pre-COVID.

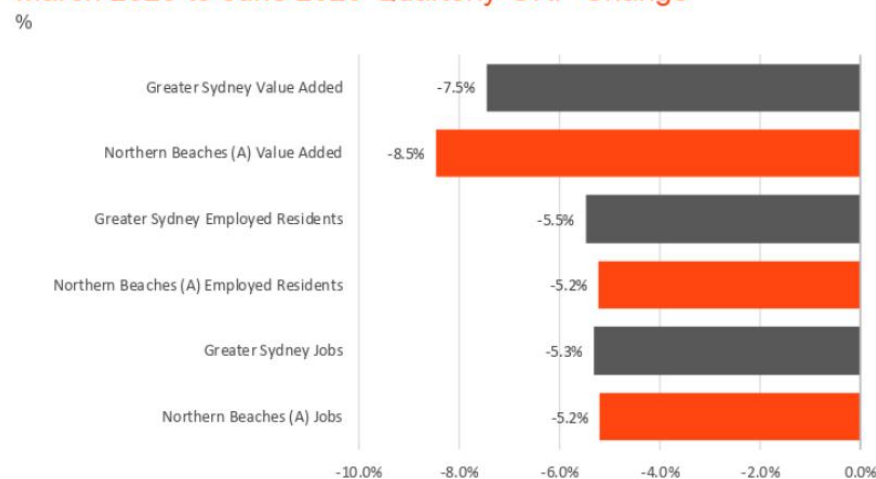
Northern Beaches experienced an estimated 8.5% fall in industry value added in the June quarter, above the Greater Sydney average (-7.5%). However, local jobs only fell by 5.2% due to JobKeeper maintaining employment connections with many businesses even though employees were working less.

Quarterly GRP - Northern Beaches



Source: NIEIR, 2021

March 2020 to June 2020 Quarterly GRP Change



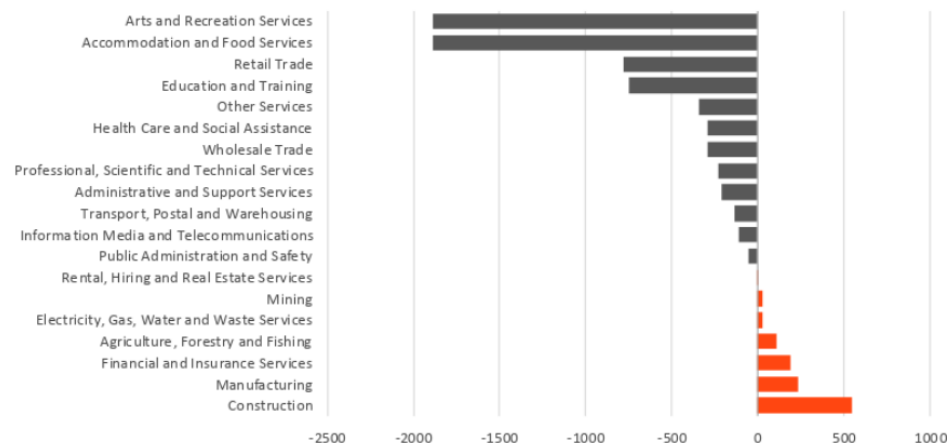
Source: NIEIR, 2021

Hospitality and tourism related industries most impacted due to social distancing policies and reduced international visitation

The main industries impacted in the June Quarter were tourism and hospitality areas such as Arts and Recreation and Accommodation and Food Services. Both industries experienced job decreases of almost 2,000.

March 2020 to June 2020 Quarterly Change in Local Jobs

Number of Jobs



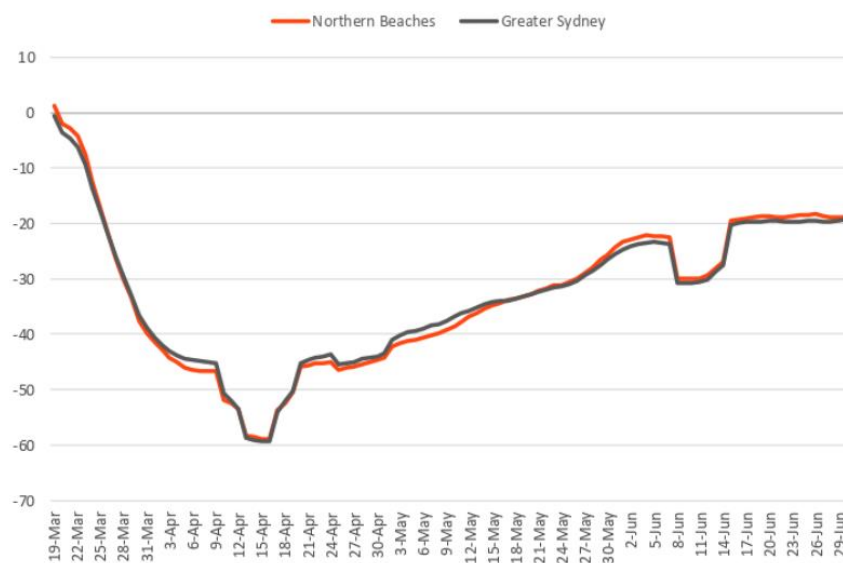
Source: NIEIR, 2021

Workplace trips fell by 60% in April and residents were spending an extra 25% of the day at home

In the month of April 2020, weekly travel movements to place of work fell by almost 60% compared to pre COVID. By June 2020, they were still 20% below the baseline. Northern Beaches travel movements were very similar to the Greater Sydney average. They were better than the City of Sydney which still had 40% less place of work movements in June 2020.

Travel movements to place of work, 7 day average

% change from base week

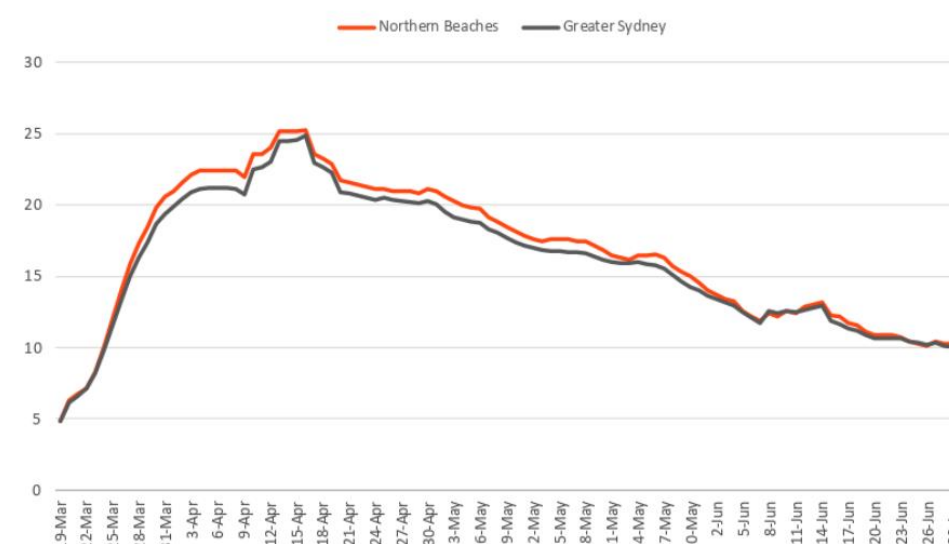


Google Mobility Data, 2021

Northern Beaches residents time spent at home increased by 25% during the lockdown period (equivalent to 6hrs in a 24 hr period) and by June they were still spending an extra 10% of their week at home. Northern Beaches trends followed Greater Sydney with a slightly higher share of time spent at home in April and May.

Time spent at place of residence, 7 day average

% change from base week



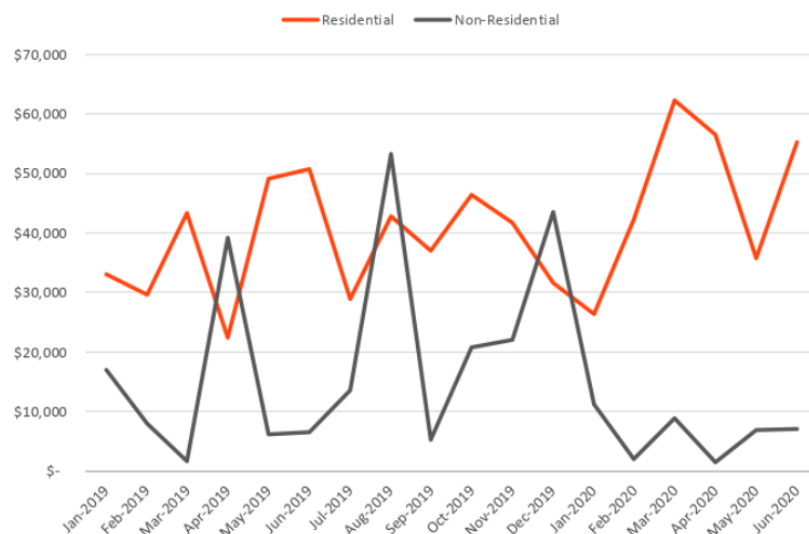
Google Mobility Data, 2021

Residential building approvals maintained levels, non-residential approvals faded away

Residential building approvals maintained their monthly value during the June quarter. Government stimulus to households kept confidence high during the lockdown period and with limited opportunity for travel many households funnelled money into house purchases and renovations. In contrast, non-residential approvals flatlined due to economic uncertainty.

Monthly Value of Building Approvals

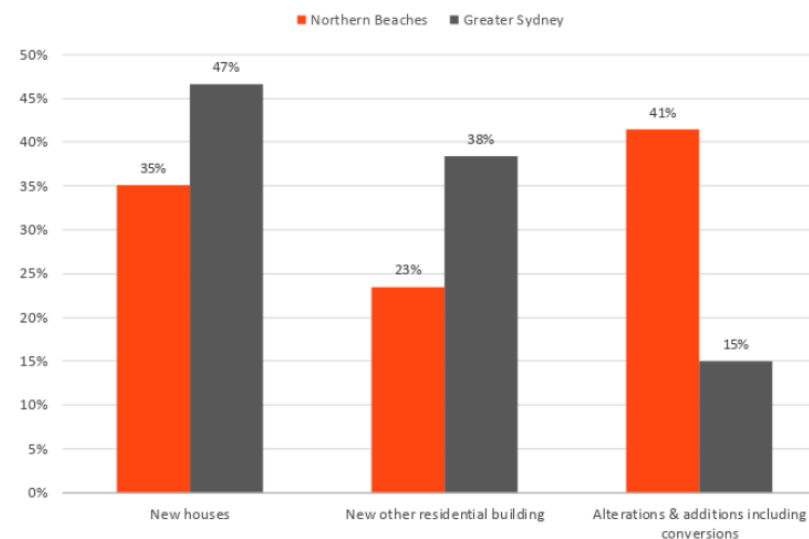
\$'000



Source: ABS Building Approvals, 2021

Share of Residential Value June Qtr 2020

\$'000



Source: ABS Building Approvals, 2021

Which industries are competitive and how is this changing?

Northern Beaches has developed specialisations in arts and recreation, health and residential care as well as business services in agriculture and chemical manufacturing industries.

Northern Beaches has a major comparative advantage in Arts and Recreation Services, Retail Trade, Agriculture, Forestry and Fishing, Tourism and Hospitality *, Health Care and Social Assistance.

At a detailed industry level, industries with the highest specialisations include Agriculture, Forestry and Fishing Support Services, Non-Store Retailing and Retail Commission Based Buying, Private Households Employing Staff and Undifferentiated Goods-, Basic Chemical and Chemical Product Manufacturing, Creative and Performing Arts Activities.

Level of specialisation - Northern Beaches

Compared to Greater Sydney (in LQ terms)

| | Jobs | Value Added \$m |
|---|------|-----------------|
| Arts and Recreation Services | 1.62 | 1.48 |
| Retail Trade | 1.54 | 1.94 |
| Agriculture, Forestry and Fishing | 1.49 | 2.42 |
| Tourism and Hospitality * | 1.48 | 2.07 |
| Health Care and Social Assistance | 1.40 | 1.60 |
| Other Services | 1.38 | 1.66 |
| Wholesale Trade | 1.33 | 1.77 |
| Accommodation and Food Services | 1.22 | 1.46 |
| Education and Training | 1.09 | 1.03 |
| Manufacturing | 1.01 | 1.46 |
| Construction | 0.95 | 0.89 |
| Rental, Hiring and Real Estate Services | 0.93 | 1.27 |
| Administrative and Support Services | 0.83 | 0.94 |
| Professional, Scientific and Technical Services | 0.80 | 0.97 |
| Electricity, Gas, Water and Waste Services | 0.79 | 1.00 |
| Information Media and Telecommunications | 0.66 | 0.67 |
| Public Administration and Safety | 0.49 | 0.55 |
| Transport, Postal and Warehousing | 0.36 | 0.42 |
| Financial and Insurance Services | 0.29 | 0.35 |

Source: NIEIR, 2021 | * Includes activities from other industries

Specialisation by detailed industry - Northern Beaches

Compared to Greater Sydney (in LQ terms)

| Industry | Jobs | % of total | Specialisation |
|---|-------|------------|----------------|
| Agriculture, Forestry and Fishing Support Services | 402 | 0.4% | 7.28 |
| Non-Store Retailing and Retail Commission Based Buying | 1,531 | 1.4% | 4.90 |
| Private Households Employing Staff and Undifferentiated Goods | 155 | 0.1% | 2.78 |
| Basic Chemical and Chemical Product Manufacturing | 1,652 | 1.5% | 2.55 |
| Creative and Performing Arts Activities | 1,171 | 1.1% | 2.06 |
| Other Goods Wholesaling | 2,278 | 2.1% | 1.90 |
| Sports and Recreation Activities | 1,975 | 1.8% | 1.85 |
| Residential Care Services | 3,143 | 2.8% | 1.73 |
| Petroleum and Coal Product Manufacturing | 132 | 0.1% | 1.70 |
| Library and Other Information Services | 199 | 0.2% | 1.68 |
| Adult, Community and Other Education | 2,812 | 2.5% | 1.66 |
| Social Assistance Services | 5,811 | 5.2% | 1.66 |
| Medical and Other Health Care Services | 6,840 | 6.2% | 1.65 |
| Other Store-Based Retailing | 9,527 | 8.6% | 1.57 |
| Machinery and Equipment Wholesaling | 2,368 | 2.1% | 1.57 |

Source: NIEIR, 2021

Changing dynamics in the local economy is generating several opportunities in knowledge based business services industry areas.

Many of the region's specialised industries have experienced growth over the last two years. The major driver of growth was Health Care and Social Assistance followed by Retail Trade. However, some specialised industries experienced a decline including . Actions to address this risk may be warranted if this sector is still considered important going forward.



Specialised & Growing

Industries that are critical to your area and you want to make stronger

| Northern Beaches | Jobs 2019 | 3-yr change | LQ |
|-----------------------------------|--------------|----------------|-----|
| Arts and Recreation Services | 3,386 | 1,161 | 1.6 |
| Retail Trade | 15,921 | 2,324 | 1.5 |
| Agriculture, Forestry and Fishing | 640 | 96 | 1.5 |
| Health Care and Social Assistance | 17,971 | 3,453 | 1.4 |
| Other Services | 5,307 | 292 | 1.4 |
| Wholesale Trade | 6,141 | 561 | 1.3 |



Specialised but at risk

Growth in an established sector is inhibited and action may be required to address barriers and constraints

| Northern Beaches | Jobs 2019 | 3-yr change | LQ |
|-----------------------|--------------|----------------|----|
| No sectors identified | | | |

Source: NIEIR, 2021

While not specialised, there are many emerging local industries. The major emerging industries include: Manufacturing, Professional, Scientific and Technical Services and Electricity, Gas, Water and Waste Services. Actions to encourage further growth may support the productivity and competitiveness of these emerging industries.



Emerging

Not specialised but are showing positive signs. Emerging industries with potential to thrive if supported.

| Northern Beaches | Jobs 2019 | 3-yr change | LQ |
|---|--------------|----------------|-----|
| Manufacturing | 7,602 | 747 | 1.0 |
| Professional, Scientific and Technical Services | 10,276 | 306 | 0.8 |
| Electricity, Gas, Water and Waste Services | 790 | 241 | 0.8 |
| Information Media and Telecommunications | 2,137 | 31 | 0.7 |
| Public Administration and Safety | 3,020 | 18 | 0.5 |
| Financial and Insurance Services | 1,976 | 30 | 0.3 |



Declining

Industries in decline. May not be a priority unless they are holding back specialised or emerging sectors.

| Northern Beaches | Jobs 2019 | 3-yr change | LQ |
|---|--------------|----------------|-----|
| Education and Training | 9,291 | -613 | 1.1 |
| Construction | 9,730 | -785 | 0.9 |
| Rental, Hiring and Real Estate Services | 1,971 | -208 | 0.9 |
| Administrative and Support Services | 3,134 | -839 | 0.8 |
| Transport, Postal and Warehousing | 2,356 | -45 | 0.4 |
| Mining | 41 | -40 | 0.1 |

Source: NIEIR, 2021

Industry snapshot - Manufacturing

| Jobs | Economic activity | Worker productivity |
|-------------------------|-------------------------|-------------------------|
| Number of persons | Value added | Value added per worker |
| 7,602 | \$1,183m | \$155,617 |
| 3.5% | 2.6% | -0.9% |
| Greater Sydney 4.0% | Greater Sydney 0.9% | Greater Sydney -3.0% |
| p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 |

Manufacturing industries

Employment, 2019

| | |
|---|-------|
| Machinery and Equipment Manufacturing | 1,890 |
| Basic Chemical and Chemical Product Manufacturing | 1,652 |
| Food Product Manufacturing | 761 |
| Furniture and Other Manufacturing | 580 |
| Printing (including the Reproduction of Recorded Media) | 478 |
| Transport Equipment Manufacturing | 384.8 |
| Polymer Product and Rubber Product Manufacturing | 290.1 |
| Wood Product Manufacturing | 286.0 |
| Textile, Leather, Clothing and Footwear Manufacturing | 263.8 |
| Fabricated Metal Product Manufacturing | 263.7 |
| Primary Metal and Metal Product Manufacturing | 235.8 |
| Beverage and Tobacco Product Manufacturing | 170.9 |
| Petroleum and Coal Product Manufacturing | 131.7 |
| Non-Metallic Mineral Product Manufacturing | 113.6 |
| Pulp, Paper and Converted Paper Product Manufacturing | 100.3 |

Recent performance

| | Specialisation (LQ) | 3 yr change |
|---|---------------------|-------------|
| Machinery and Equipment Manufacturing | 1.4 | 421 |
| Basic Chemical and Chemical Product Manufacturing | 2.6 | 438 |
| Food Product Manufacturing | 0.6 | -100 |
| Furniture and Other Manufacturing | 0.9 | -83 |
| Printing (including the Reproduction of Recorded Media) | 1.0 | -26 |
| Transport Equipment Manufacturing | 0.9 | 8 |
| Polymer Product and Rubber Product Manufacturing | 0.9 | -4 |
| Wood Product Manufacturing | 0.8 | 3 |
| Textile, Leather, Clothing and Footwear Manufacturing | 0.9 | 4 |
| Fabricated Metal Product Manufacturing | 0.6 | -53 |
| Primary Metal and Metal Product Manufacturing | 0.7 | 32 |
| Beverage and Tobacco Product Manufacturing | 0.6 | 79 |
| Petroleum and Coal Product Manufacturing | 1.7 | 22 |
| Non-Metallic Mineral Product Manufacturing | 0.3 | 4 |
| Pulp, Paper and Converted Paper Product Manufacturing | 0.5 | 2 |

Industry snapshot - Manufacturing

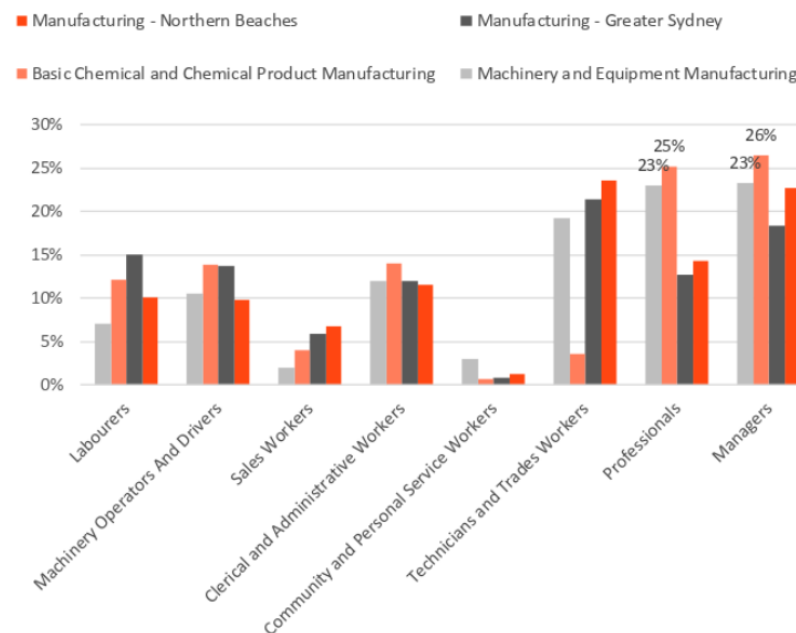
Northern Beaches is home to the administrative headquarters or Australian office of a number of major manufacturing companies. Some of these include:

- Blackmores has had its head office or 'campus' in Warriewood since 2009 and the site covers more than 25,000 square metres and houses more than 400 staff.
- The Dow Chemical Company, an American multinational chemical corporation, has its Australian office in French's Forest
- Kirsch Pharma, a German multinational pharmaceutical company, has its Australian subsidiary offices located in Frenchs Forest.
- CONMED Linvatec, a global medical equipment manufacturer, has its Australian office in Frenchs Forest.
- Schaeffler, a multinational automotive and industrial components manufacturer, has its Australian office in Belrose
- Galderma, a Swiss global skincare company, has its Australian office in Belrose.

The white-collar nature of many of these manufacturing industry jobs in the Northern Beaches is illustrated by the occupation share of local workers. In 2016, half of all the workers in chemical manufacturing and machinery and equipment manufacturing were in managerial or professional roles.

Occupation share of workforce

% of total



ABS Census of Population and Housing, 2016

Industry snapshot - Arts and Recreation Services

| Jobs | | Economic activity | | Worker productivity | |
|-------------------------|--|-------------------------|--|-------------------------|--|
| Number of persons | | Value added | | Value added per worker | |
| 3,386 | | \$192m | | \$56,658 | |
| 15.0% | | 13.4% | | -1.5% | |
| Greater Sydney 5.3% | | Greater Sydney 3.8% | | Greater Sydney -1.5% | |
| p.a. growth 2016 - 2019 | | p.a. growth 2016 - 2019 | | p.a. growth 2016 - 2019 | |

Arts and Recreation Services industries

Employment, 2019

| | |
|---|-------|
| Sports and Recreation Activities | 1,975 |
| Creative and Performing Arts Activities | 1,171 |
| Heritage Activities | 131 |
| Gambling Activities | 109 |

Recent performance

| |
|---|
| Sports and Recreation Activities |
| Creative and Performing Arts Activities |
| Heritage Activities |
| Gambling Activities |

| Specialisation (LQ) | 3 yr change |
|---------------------|-------------|
| 1.9 | 614 |
| 2.1 | 501 |
| 0.6 | 26 |
| 0.4 | 19 |

Industry snapshot - Tourism and Hospitality*

| Jobs | Economic activity | Worker productivity |
|-------------------------|-------------------------|-------------------------|
| Number of persons | Value added | Value added per worker |
| 14,562 | \$1,632m | \$112,043 |
| 8.4% | 10.9% | 2.2% |
| New South Wales 4.9% | New South Wales 5.4% | New South Wales 0.4% |
| p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 |

Tourism and Hospitality* industries

Employment, 2019

| | |
|----------------------------|-------|
| Food and beverage services | 8,420 |
| Food retailing | 3,899 |
| Accommodation | 873 |
| Heritage activities | 131 |

Recent performance

| |
|----------------------------|
| Food and beverage services |
| Food retailing |
| Accommodation |
| Heritage activities |

| Specialisation (LQ) | 3 yr change |
|---------------------|-------------|
| 1.3 | 30 |
| 1.3 | -75 |
| 0.9 | 260 |
| 0.6 | 26 |

Industry snapshot - Health Care and Social Assistance

| Jobs | Economic activity | Worker productivity |
|-------------------------|-------------------------|-------------------------|
| Number of persons | Value added | Value added per worker |
| 17,971 | \$1,400m | \$77,879 |
| Greater Sydney 2.2% | Greater Sydney 6.5% | Greater Sydney 4.2% |
| p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 |

Health Care and Social Assistance industries

Employment, 2019

| | |
|--|-------|
| Medical and Other Health Care Services | 6,840 |
| Social Assistance Services | 5,811 |
| Residential Care Services | 3,143 |
| Hospitals | 2,177 |

Sub-industry specialisations when compared to Greater Sydney (2016 ABS Census)

| Specialisation (LQ) | % Share of all jobs in industry |
|---|---------------------------------|
| Other Social Assistance Services | 1.7 |
| Allied Health Services | 1.5 |
| Residential Care Services | 1.4 |
| Child Care Services | 1.2 |
| Medical Services | 1.2 |
| Health Care and Social Assistance, nfd | 1.0 |
| Medical and Other Health Care Services, nfd | 1.0 |
| Pathology and Diagnostic Imaging Services | 0.7 |
| Hospitals | 0.6 |
| Social Assistance Services, nfd | 0.5 |
| Other Health Care Services | 0.4 |

Recent performance

| |
|--|
| Medical and Other Health Care Services |
| Social Assistance Services |
| Residential Care Services |
| Hospitals |

| Specialisation (LQ) | 3 yr change |
|---------------------|-------------|
| 1.7 | 1880 |
| 1.7 | 1243 |
| 1.7 | 376 |
| 0.6 | -46 |

Industry snapshot - Professional, Scientific and Technical Services

| Jobs | Economic activity | Worker productivity |
|-------------------------|-------------------------|-------------------------|
| Number of persons | Value added | Value added per worker |
| 10,276 | \$1,444m | \$140,531 |
| 1.0% | 2.0% | 0.9% |
| Greater Sydney 6.8% | Greater Sydney 7.5% | Greater Sydney 0.6% |
| p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 | p.a. growth 2016 - 2019 |

Professional, Scientific and Technical Services industries

Employment, 2019

| | |
|---|-------|
| Professional, Scientific and Technical Services (Except Computer Syst | 7,842 |
| Computer System Design and Related Services | 2,433 |

Recent performance

| | Specialisation (LQ) | 3 yr change |
|--|---------------------|-------------|
| Professional, Scientific and Technical Services (Except Comput | 0.8 | 232 |
| Computer System Design and Related Services | 0.7 | 75 |

Sub-industry specialisations when compared to Greater Sydney (2016 ABS Census)

| Sub-industry specialisations | Specialisation (LQ) | % Share of all jobs in industry |
|--|---------------------|---------------------------------|
| Other Professional, Scientific and Technical Services | 2.2 | 5% |
| Veterinary Services | 1.2 | 3% |
| Architectural, Engineering and Technical Services | 1.2 | 23% |
| Management and Related Consulting Services | 1.2 | 12% |
| Market Research and Statistical Services | 1.1 | 4% |
| Professional, Scientific and Technical Services (except Comput | 1.1 | 1% |
| Computer System Design and Related Services | 0.9 | 24% |
| Advertising Services | 0.8 | 5% |
| Legal and Accounting Services | 0.7 | 22% |
| Professional, Scientific and Technical Services, nfd | 0.6 | 1% |
| Scientific Research Services | 0.5 | 2% |

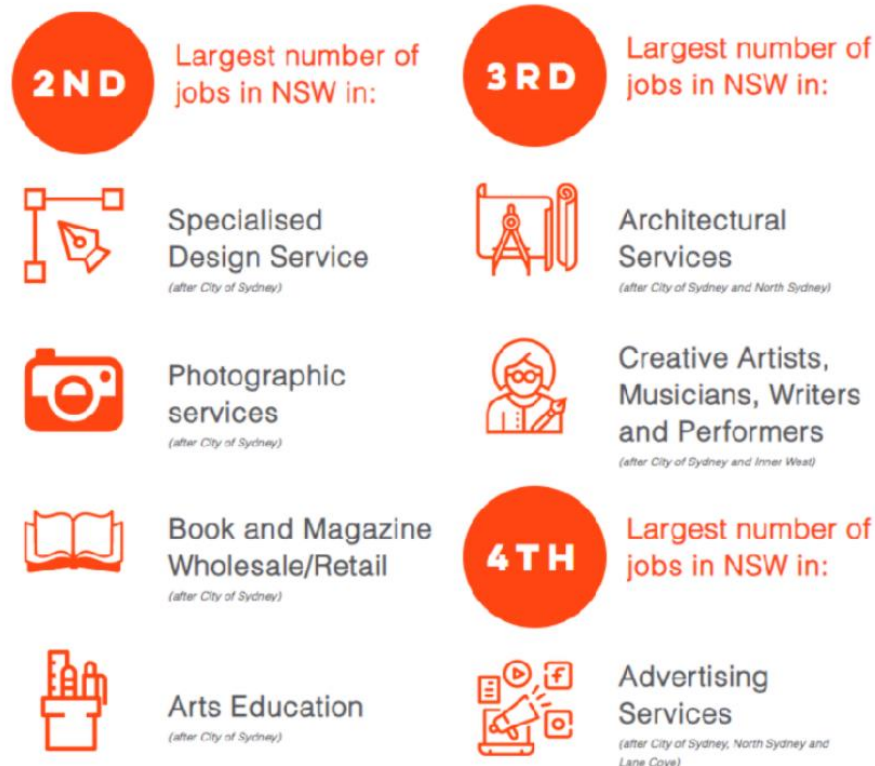
Creative Sector

In 2018/19, the most over-represented industries* in the Northern Beaches were Book and Magazine Wholesaling (4.1x the Greater Sydney average share of Cultural and Creative jobs) and Professional Photographic Services (2.5x).

The most over-represented occupations were Landscape Architects, Photographers and Authors.

* Over-represented means a higher share of Northern Beaches Cultural and Creative workers are in this industry compared to the Greater Sydney average.

Industry Concentrations



In early 2020, .id did an analysis of the creative sector in the Northern Beaches Council area.

More detailed analysis can be accessed here:

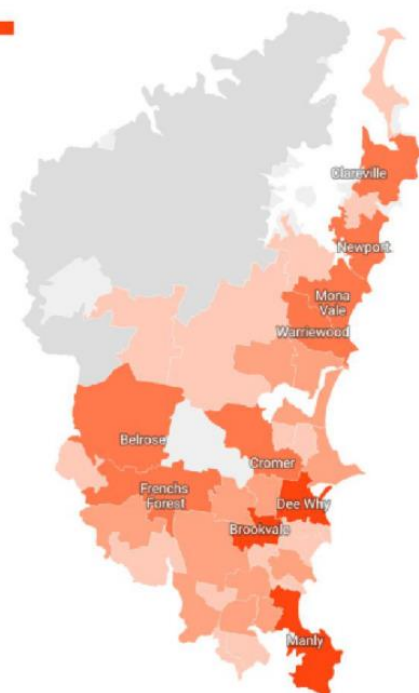
<https://www.ideconomicinsights.com/northern-beaches-cultural-creative>

How does the spatial economy operate?

Spatial patterns - Business numbers

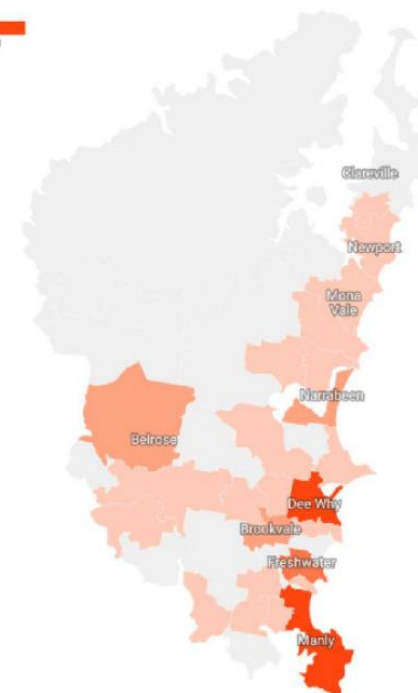
The locations with the most amount of GST registered businesses in 2019 were Manly (2,396), Dee Why (2,369) and Brookvale (2,231).

Number of registered business numbers, Dec 2019



The locations with the largest change in GST registered businesses between 2016 and 2019 were Dee Why (+447), Manly (+286) and Freshwater (+169).

Change in registered business numbers, Dec 2016 to Dec 2019



Growth in business numbers in Freshwater - Brookvale was driven by Professional, Scientific and Technical Services, Administrative and Support Services, and Rental, Hiring and Real Estate Services.

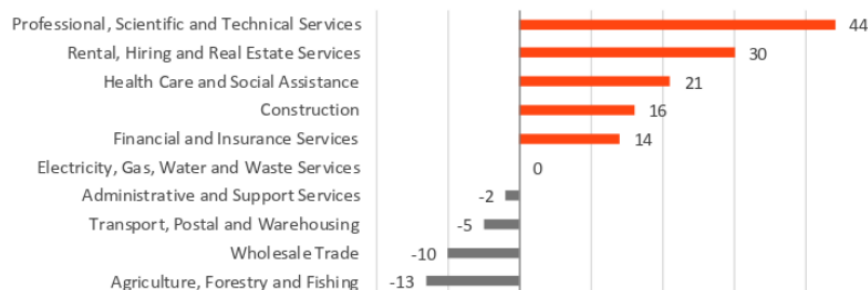
Growth in business numbers in Warriewood - Mona Vale was driven by Professional, Scientific and Technical Services, Rental, Hiring and Real Estate Services, and Health Care and Social Assistance.

Change in business numbers - 2017 to 2019

Freshwater - Brookvale



Warriewood - Mona Vale



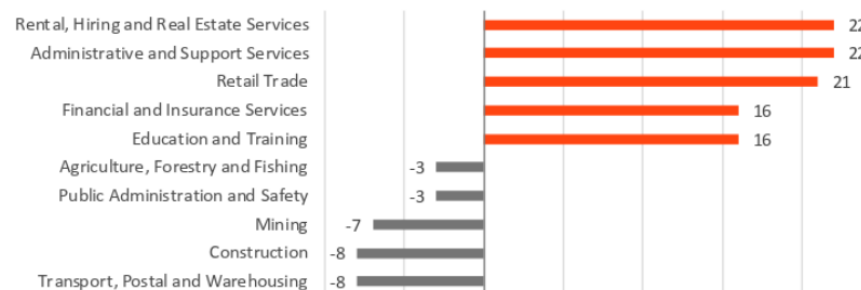
Source: ABS, 2020, Cat: 8165.0 - Counts of Australian Businesses, including Entries and Exits

Growth in business numbers in Manly - Fairlight was driven by Rental, Hiring and Real Estate Services, Administrative and Support Services, and Retail Trade.

Growth in business numbers in Frenchs Forest - Belrose was driven by Other Services, Health Care and Social Assistance, and Financial and Insurance Services.

Change in business numbers - 2017 to 2019

Manly - Fairlight



Frenchs Forest - Belrose

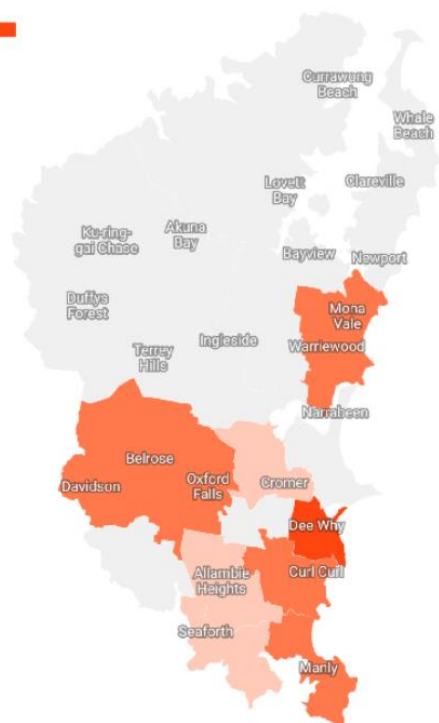
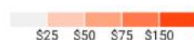


Source: ABS, 2020, Cat: 8165.0 - Counts of Australian Businesses, including Entries and Exits

Spatial patterns - Building approvals

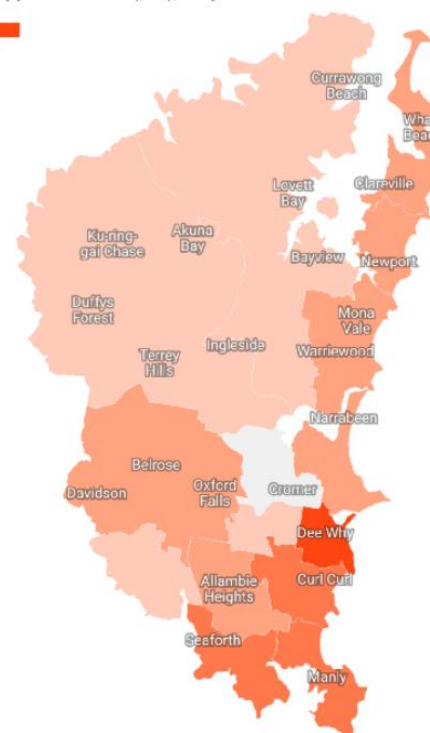
The area with the largest value of non-residential building approvals over the last three years was Dee Why - North Curl Curl (\$179M), followed by Freshwater - Brookvale (\$137M).

Non-residential building approvals value (\$M), July 2016 to June 2019



The area with the largest value of residential building approvals over the last three years was Dee Why - North Curl Curl (\$289M), followed by Manly - Fairlight (\$197M).

Residential building approvals value (\$M), July 2016 to June 2019



Brookvale is the main commercial and retail centre, Frenchs Forest houses the hospital and innovation/business park precincts

As with any large region, specific locations within Northern Beaches perform different economic roles. The two largest job locations within the LGA are Freshwater - Brookvale and Frenchs Forest - Belrose.

Freshwater - Brookvale accounts for 18% (16,170 jobs) of Northern Beaches's total local jobs and Frenchs Forest - Belrose accounts for 16% (14,141 jobs) of Northern Beaches's total local jobs.

Freshwater - Brookvale is predominantly a commercial/industrial centre. The top three industries in the location is Retail Trade (3,147 jobs), Construction (1,435 jobs) and Manufacturing (1,381 jobs).

Frenchs Forest - Belrose is largely a retail centre. The top three industries in the location is Retail Trade (1,979 jobs), Wholesale Trade (1,653 jobs) and Professional, Scientific and Technical Services (1,503 jobs).

Share of local jobs - Freshwater - Brookvale

% of total jobs in the location



Source: ABS Census of Population and Housing, 2016

Share of local jobs - Frenchs Forest - Belrose

% of total jobs in the location



Source: ABS Census of Population and Housing, 2016

Warriewood-Mona Vale is the services centre for the northern suburbs, Manly is the tourism hotspot

The next two largest locations within the LGA are Warriewood - Mona Vale and Manly - Fairlight.

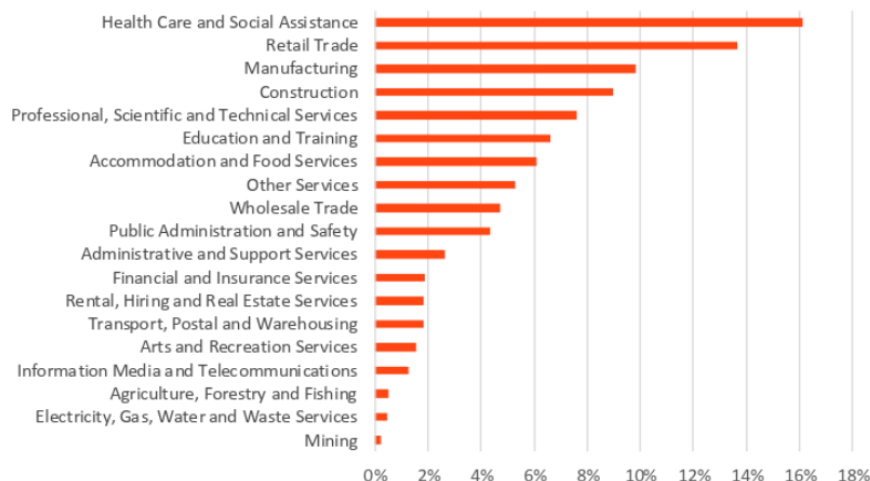
Warriewood - Mona Vale accounts for 15% (12,946 jobs) of Northern Beaches's total local jobs and Manly - Fairlight accounts for 10% (8,681 jobs) of Northern Beaches's total local jobs.

Warriewood - Mona Vale is predominantly a commercial. The top three industries in the location is Health Care and Social Assistance (2,086 jobs), Retail Trade (1,761 jobs) and Manufacturing (1,263 jobs).

Manly - Fairlight is largely a retail/tourist. The top three industries in the location is Accommodation and Food Services (1,670 jobs), Health Care and Social Assistance (1,666 jobs) and Professional, Scientific and Technical Services (1,000 jobs).

Share of local jobs - Warriewood - Mona Vale

% of total jobs in the location



Source: ABS Census of Population and Housing, 2016

Share of local jobs - Manly - Fairlight

% of total jobs in the location



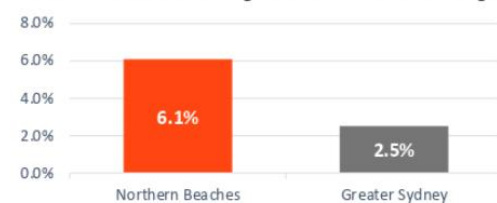
Source: ABS Census of Population and Housing, 2016

Home based businesses

Northern Beaches would appear to have a much larger share of workers who are occupied in businesses based at home. In the 2016 census, 6.1% of the workforce said they were working at home and were owners or managers. This compares to only 2.5% for Greater Sydney. The most common industry was overwhelmingly Professional, Scientific and Technical Services (37% of total).

Home based businesses

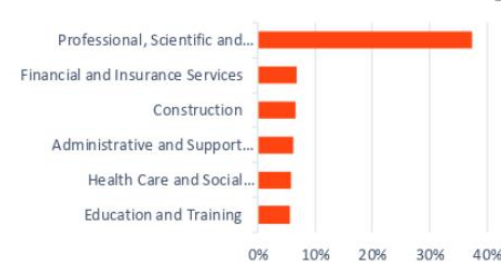
Share of residents working at home as owner/managers



Source: ABS Census of Population and Housing, 2016

Top 6 industries for home based businesses

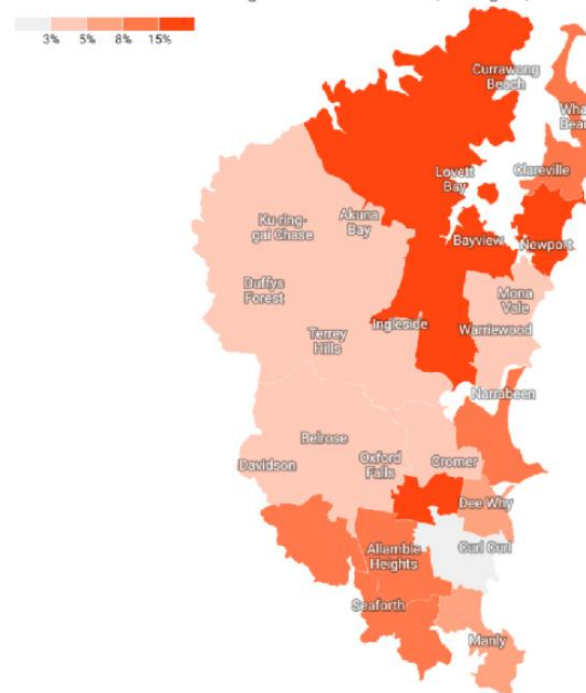
Share of Northern Beaches home based owner/managers



Source: ABS Census of Population and Housing, 2016

The locations with the largest number of home based businesses were Warriewood - Mona Vale, Manly - Fairlight and Frenchs Forest Brookvale. However, the locations with the highest share of workers as owners/managers working from home were Bayview - Elanora (17%), Newport - Bilgola (16%) and Beacon Hill - Narrabeena (15%).

Share of local workers working from home as owner/managers, 2016



*All references to areas in this section refer to suburb geographies

How does demography and Socio-economics look like?

The Northern Beaches is characterised generally by older, higher educated, higher income, Australian born households than the Greater Sydney average

The residents in Northern Beaches are relatively older with a median age of 40 years, compared to 36 years of age for Greater Sydney. However, the residents have gotten older since the last census 2011 by 1 years.













In 2016, the households in Northern Beaches made \$2,173 median weekly income, \$370 more than the median weekly household income in 2011. The household income was relatively higher than the median Greater Sydney weekly household income of \$1,745 in 2016.

The share of overseas born residents was similar to the Greater Sydney as a whole at 28.8% in 2016, where the level has increased by +1.1% since 2011.

Around 32.3% of the residents had a university qualification compared to 28.3% in the Greater Sydney as a whole. However, the qualification level has increased since 2011 by 3.4%. In 2016, the proportion of residents with a trade qualification was 16.3% in Northern Beaches, higher than the Greater Sydney as a whole.

The labour force participation rate in Northern Beaches was 66.2% in 2016, higher than Greater Sydney as a whole. The participation rate has decreased since 2011 by 0.1%.

Northern Beaches demographic and socio-economic profile in 2016

| Headline figures (Greater Sydney) | | Change from 2011 to 2016 | |
|--|---|--|--------------------|
|  | Median age 40 (36) |  | +1 years of age |
|  | Median weekly household \$2,173 (\$1,745) |  | +\$370 per week |
|  | Overseas born 28.8% (36.7%) |  | +1.1% percent |
|  | University qualification 32.3% (28.3%) |  | +3.4% percent |
|  | Trade qualification (certificate) 16.3% (15.1%) |  | +0.2% percent |
|  | Labour force participation rate 66.2% (61.6%) |  | -0.1% percent |

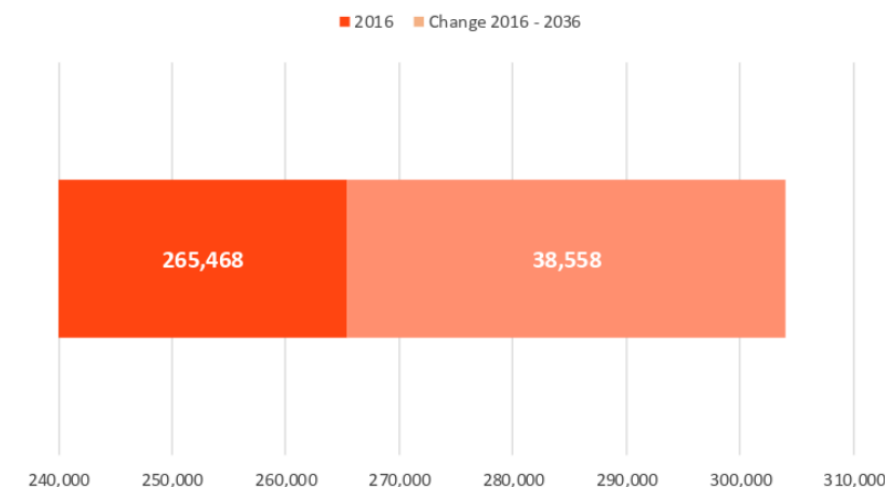
Future population growth is expected to be driven by seniors and elderly. This is likely to drive demand for health, aged care and related services. The COVID Pandemic restrictions on immigration will impact long term growth of younger workers

From 2016 to 2036, the population of Northern Beaches is expected to grow by 0.7% per annum. As at 2036, the population of Northern Beaches is expected to reach 304,026, growth of 38,558 people from 2016.

During the same period, the population in Seniors (70 to 84) and Empty nesters and retirees (60 to 69) age groups is forecast to have the largest increase with 8,821 and 3,997 people respectively. Conversely, the population in Primary schoolers (5 to 11) and Babies and pre-schoolers (0 to 4) age groups is forecast to have the largest decrease in population with -187 and 463 people respectively.

Population forecast - Northern Beaches

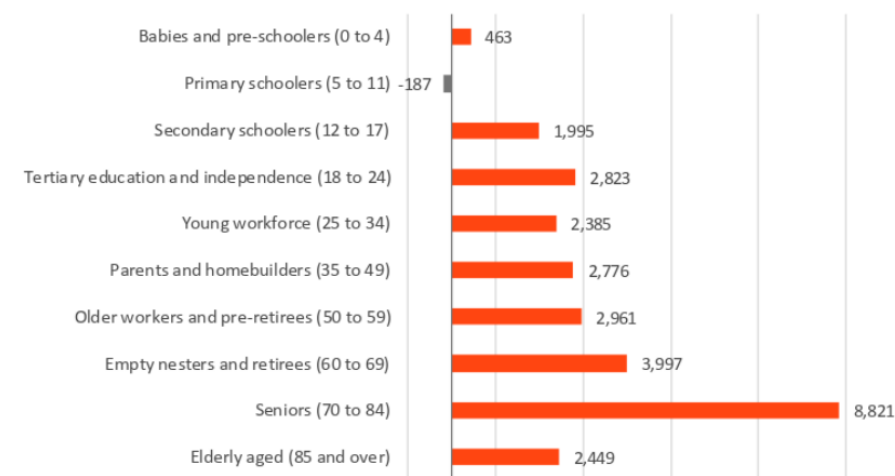
Person



Source: .id Consulting (2020)

Change in population by service age groups - 2016 - 2036

Person



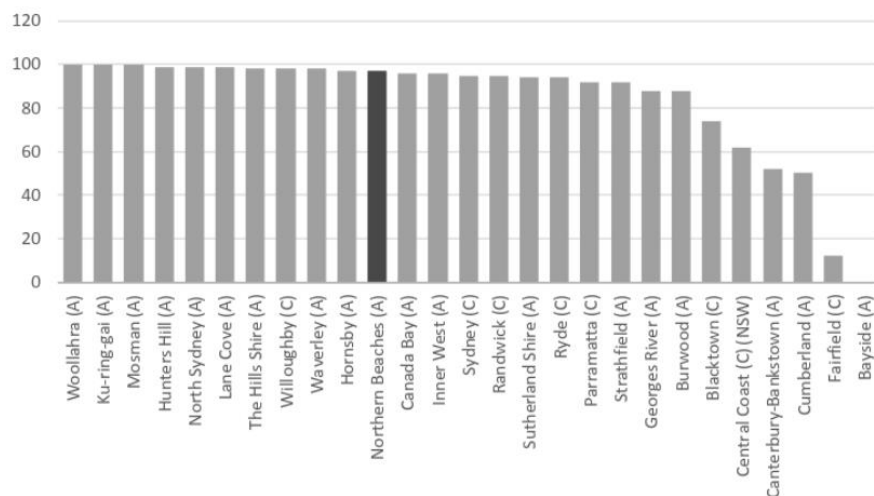
Source: .id Consulting (2020)

Northern Beaches has a high level of socio-economic advantage compared to Australia as a whole, and generally higher than other metro LGAs

Northern Beaches has a relatively low socio-economic disadvantage. In 2016, Northern Beaches had SEIFA advantage and disadvantage index percentile of 97, higher than surrounding metro LGA average (84). That is, Northern Beaches is relatively less disadvantaged than surrounding metro LGAs on average. In the same year, Northern Beaches ranked 11th out of metro LGAs around Northern Beaches in terms of the SEIFA index.

SEIFA relative socio-economic advantage and disadvantage

Percentile



Source: ABS Census of Population and Housing, 2016

What macro forces may influence outlook?

NSW economy

New South Wales has seemingly rebounded strongly from the impacts stemming from the COVID 19 Pandemic. Household consumption has contributed most to the growth with retail trade increasing considerably.

Growth in building approvals took awhile to bounce back compared to other states but in recent months (March, April 2021) house and apartment dwelling approvals have skyrocketed due to government incentives. Dwelling investment is forecast to decline over coming years, given the permanent loss of migration/population growth due to international border closures. The construction industry is also facing supply constraints and skill shortages.

NSW still has a strong pipeline of planned public infrastructure projects that will maintain demand for large scale construction related activities in the near future. Most of these projects are in metropolitan Sydney e.g. Sydney Metro West, Western Sydney Airport. Growth in private sector investment has been driven by public incentives to write-off machinery and equipment purchases.

Growth in Sydney has been supported by historically significant levels of overseas migration. With this tap turned off for the near future, weakening of the economy could be expected next year after construction employment tails off.

Loosening of monetary policy has contributed to demand coming back in the housing market in the short term. However, lower interest rates may have a lower effect than expected on household spending as evidence suggests many homeowners in the last decade used lower rates to pay off their mortgage.

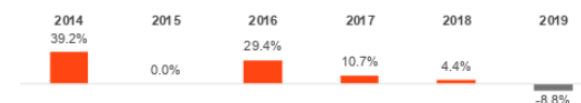
A tightening labour market may lead to a modest rise in wages growth over the next year or so but there is still evidence of some excess capacity.

A higher exchange rate in the near future may have a negative impact on export based industries (e.g. agriculture, manufacturing). However, some businesses will likely be impacted by decreasing cost of key imported inputs.

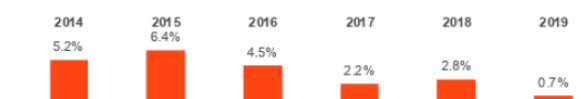
Headline indicators - New South Wales

Annual change in total value to June

Building Approvals



Retail Trade Turnover



Inflation



Business Confidence



Unemployment Rate



Source: ABS Cat: 8731.0, 8501.0, 6401.0, 6202.0; Roy Morgan - Business Confidence

NSW indicators

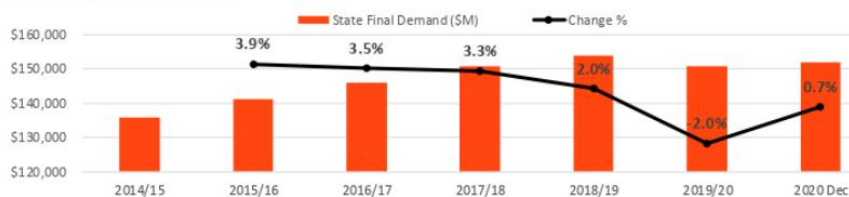
Building Approvals



Retail Trade



State Final Demand



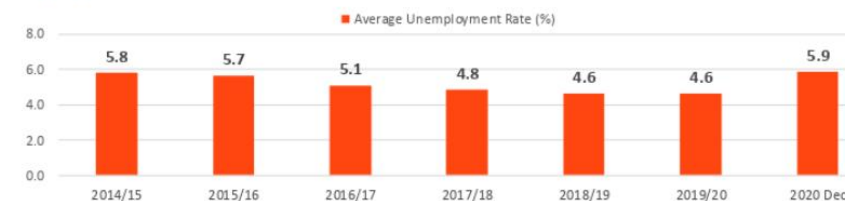
Inflation



Business Confidence



Unemployment



Macro economy

Before the COVID-19 crisis, there were indications that Australia and the Global economy was heading towards a more weakened economic environment than what we had experienced over the last decade. Some of these included:

- Ongoing US-China trade wars impacting world economic growth.
- The potential for higher interest rates in the US to address excess liquidity created by quantitative easing and likely changes in US fiscal policy at some point to address rising government deficits.
- The likelihood of higher US interest rates triggering an outflow of funds from emerging markets leading to potential exchange rate/banking crises in these countries
- A credit squeeze on local banks leading to constrained lending growth and in turn, lower residential development commencements going forward. However, this had been offset recently by changes to monetary policy.
- Excess supply in the housing market leading to slower price growth and a weaker market over the next five years before the cycle flips again.
- A reverse wealth effect, where declining (or weaker growth in) house values lead to increases in the household savings ratio and less consumption. However, there were signs that housing conditions in Sydney and Melbourne had stabilised with clearance rates starting to turn around (more potential buyers vs sellers).
- Lower AUD exchange rate vs major currencies due to connection to emerging markets and changing interest rate levels between Australia and other economies, particularly the US. This may have counterbalanced weakened international demand due to trade uncertainty.

However, since the COVID impacts saw the economy bottom out in the June quarter 2020, government spending and incentives have boosted the national economy and reversed some of these indicators..

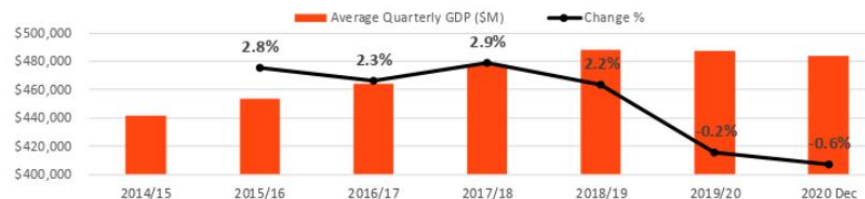
- Housing approvals are at an all time high boosting construction employment but causing supply constraints and skill shortages
- Private investment in machinery and equipment has increased strongly due to policies such as instant asset write-offs. However, private non-residential building investment has not increased by as much and will face cost pressures due to residential building demands.
- House values have risen considerably, however household saving ratios have not fallen as much due to future uncertainty.
- The AUD exchange rate vs major currencies has risen due to strong international demand for commodities, the perception of a stronger domestic economy relative to other countries and higher interest rate levels between Australia and other economies.

Unemployment has fallen in recent quarters and is supposedly back to pre-COVID levels as excess capacity is taken up by growth in the construction industry in particular. This has driven participation back in the labour force too.

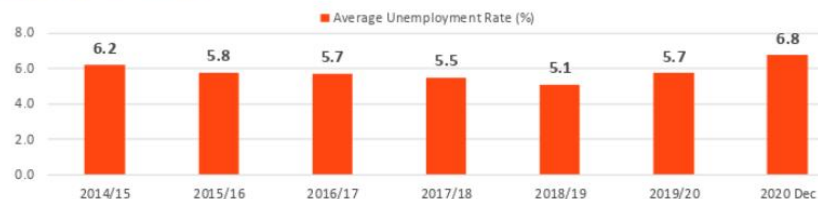
Despite growth in the September and December quarters, average quarterly GDP was still below that experienced in 2019/20. However, in March 2021, it was estimated to be above that experienced a year before.

National indicators

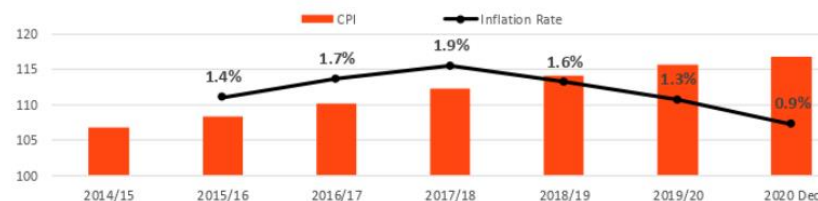
Gross Domestic Product



Unemployment Rate



Inflation



Exchange Rate



RBA Cash Rate



Business Confidence



Key export industry outlooks

Tourism

The Tourism industry is projected to recover from the COVID-19 pandemic, however, recovery in the short term will be slow due to the Federal Government's likely cautious approach to the easing of Australia's international border controls, and the downturn of the global economy. As a result, domestic households and businesses are likely to remain strong drivers of industry performance. However, the industry should start to see a more pronounced recovery once inbound travel restrictions ease.

If the Australian Dollar remains high in the medium term it may weaken inbound travel and expand outbound travel once borders are opened. However, pent up demand may compensate for this.

Basic Chemical and Chemical Product Manufacturing

Pharmaceutical Product Manufacturing

Revenue for the industry is forecast to grow over the next five years, as industry firms continue to adapt to a new operating environment. Some new medicines for conditions not related to COVID-19 may be delayed as firms continue to focus on COVID-19, including the development of booster vaccines to cater for variants of the coronavirus. Locally, industry revenue growth will likely be driven by an ageing population, higher incidences of chronic disease and changing community attitudes to healthcare. Continued international demand for clean and green Australian-branded vitamins and supplements will also support future growth in industry exports and revenue.

Source: Ibisworld.com, 2019

Machinery and Equipment Manufacturing

Electric Cable and Wire Manufacturing

Revenue for the Electric Cable and Wire Manufacturing industry is projected to continue declining over the next five years. Demand from wired telecommunications network operators is projected to continue declining over the period, due to growth in the Wireless Telecommunications Carriers industry. However, decline in industry revenue is anticipated to be much slower than the past five-year period. Demand from building construction is projected to recover over the period, on the back of improved investor confidence in the residential property market. Despite falling consumer demand for wired telecommunications, additional investment to upgrade the NBN project will likely benefit the industry. Nevertheless, competition from foreign manufacturers is projected to intensify over the period, placing pressure on industry prices.

Lifting and Material Handling Equipment Manufacturing

Domestic demand for materials handling equipment is forecast to strengthen in most downstream markets, as local and global economies emerge from the recessionary conditions associated with the COVID-19 pandemic. Domestic demand for conveyor and crane products is forecast to rise at an annualised 1.9% over the five years through 2025-26, to reach \$5.8 billion. However, imports are forecast to grow at an annualised 3.4% over the same period, and capture an estimated 75.4% share of the domestic demand by 2025-26. As a result, industry revenue is forecast to contract at an annualised 1.6% over the five years through 2025-26, to total \$1.8 billion. As industry sales fall and productive efficiency steadily improves, industry employment numbers are projected to fall over the next five years. Participation will also likely decline as some smaller enterprises exit local manufacturing in favour of importing finished products.

Key industry outlooks

Professional, Scientific and Technical Services

Architectural, Engineering and Technical Services

The Architectural Services industry's revenue is forecast to expand over the next five years, as the industry recovers from COVID-19 and benefits from increased public construction works. Projected growth in dwelling commencements is also anticipated to support industry revenue, as is continued focus on green buildings. However, competitive conditions are anticipated to intensify over the period, as larger professional services firms undertake merger and acquisition strategies to gain market share.

A rise in public sector capital expenditure is projected to boost demand for engineering consulting, as governments tender large infrastructure projects to stimulate the economy. Engineering consulting firms are also anticipated to benefit in the longer term from rising private capital expenditure on non-residential construction, as companies return to investment in new industrial projects.

Computer System Design and Related Services

The Computer System Design Services industry is anticipated to benefit from greater capital expenditure on software and existing computer system upgrades over the next five years. This investment is projected to increase as the economy recovers from the negative effects of the COVID-19 outbreak. Related investment and upgrades will likely include hardware, software and cloud technology in sectors such as education, training, finance, transport, retail, government, and health and medical services. However, industry firms are forecast to face greater domestic and international competition in product development and pricing over the next five years. As competition from international firms grows, domestic consultants are anticipated to focus more on specialised services that overseas firms cannot compete with.

Source: Ibisworld.com, 2019

What is the potential projection for economic and employment change?

Recovery from COVID-19 and future outlook

Australia and NSW have done remarkable well in terms of global standards of containing the COVID-19 virus and preventing it from causing mass fatalities and/or crippling the health system. State and federal government stimulus has been crucial in boosting confidence in the economy and maintaining business and employee relationships throughout the downturn. This allowed NSW to bounce back quicker than ever. Since the June Quarter fall, the NSW economy has grown by 11.5%, the second highest amongst all states and territories.

Recovery has not been even across industries. Retail spending has been strong and construction is growing off the back of record building approvals. However, other areas such as tourism is hurting in locations that haven't been compensated by domestic visitation boosts. The CBDs of Sydney and Melbourne in particular are nowhere near operating at full capacity, impacting local retail and hospitality.

Sydney's economy has been driven over the last decade largely by overseas immigration fuelling the demand for population services and the construction sector via new dwellings approved. With immigration forecast to be low for the next few years, other areas of the economy will have to pick up to fill the gap. However, a potential advantage of reduced immigration is a tight labour market that may lead to wage growth.

Reduced immigration and international visitation will likely impact the Northern Beaches in the years to come given the importance to population growth and the tourism industry.

History shows that the recovery period following economic downturns can accelerate the transition of industries or magnify trends that were already occurring in the economy. Some trends that could impact the Northern Beaches economy include:



Remote Work

McKinsey analysis suggests 20 to 25 percent of the workforces in advanced economies could work from home between three and five days a week. 60-75% of business services areas work could be done remotely



E-commerce

Australians are increasingly comfortable shopping online with 5.2 million households shopped online in January 2021, a 44% increase compared to the year before.



Increased digitisation and automation

Research has estimated that 63 percent of work activities have the potential to be automated by 2030. Some of the largest employing industries have highly automatable activities: retail, administrative and government, construction, manufacturing, accommodation and food services, and transport and warehousing.



Nature based / outdoor tourism

The COVID pandemic has reminded many of the benefits of travel and visitors are seeking outdoor experiences more than ever to compensate for extensive lockdowns.

Northern Beaches GRP estimated to be back above pre-COVID levels by June 2021; growth to end of 2022 forecast to be above the Greater Sydney average

Quarterly GDP for the Northern Beaches is estimated to have recovered strongly but not exceeding pre-COVID levels until the June 2021 quarter. The estimated loss GRP between the outlook and if the economy had kept growing at pre-COVID levels is approximately \$39.2B to Dec 2022.

Northern Beaches is forecast to experience an estimated 16.4% increase in quarterly industry value added by the Dec 2022 quarter (compared to June 2021), above the Greater Sydney average (10.6%). Local jobs is expected to rise by 16.6%

Quarterly GRP, Past and Outlook - Northern Beaches



Source: NIEIR, 2021

June 2020 to Dec 2022 GRP Change



Source: NIEIR, 2021

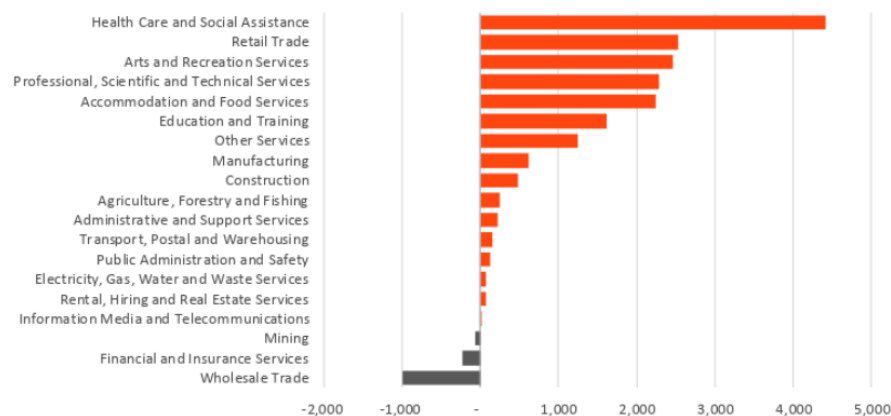
Hospitality and tourism expected to bounce back; Health care and social assistance and professional services to drive jobs growth from pre-COVID levels

Health care and social assistance is forecast to increase considerably over the next couple of years, continuing its strong growth if recent. Hospitality related areas (arts and rec, retail, accommodation and food) are expected to bounce back from COVID restrictions driven lows in the June Quarter.

When compared to pre-COVID impacted job levels (Dec 2019), the other key industry expected to grow in terms of employment is Professional, Scientific and Technical Services.

June 2020 to Dec 2022 Change in Local Jobs - Northern Beaches

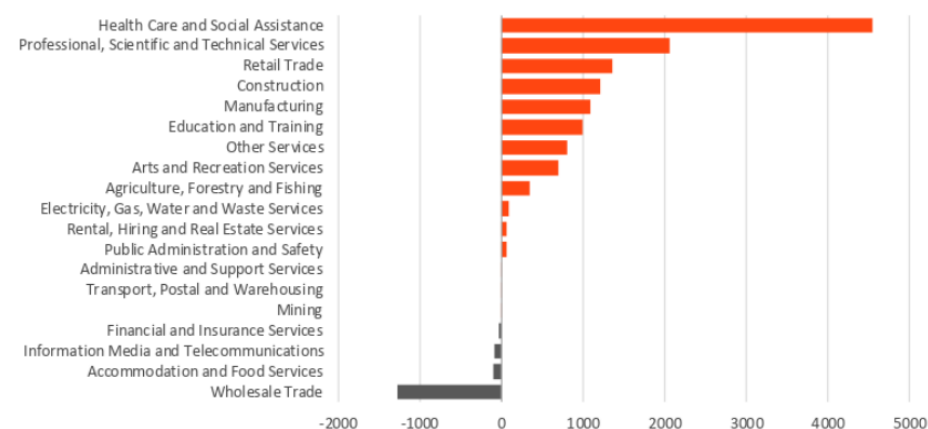
Number of Jobs



Source: NIEIR, 2021

Dec 2019 to Dec 2022 Change in Local Jobs - Northern Beaches

Number of Jobs



Source: NIEIR, 2021

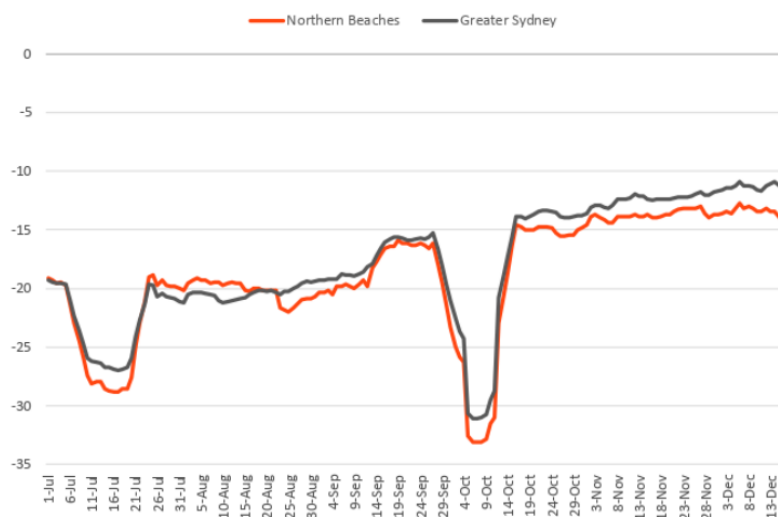
Workplace trips still 13% below pre-COVID levels and residents spending an extra 4-5% of the time at home

Weekly travel movements to place of work steadily increased throughout 2020. However, in December they were still 13% lower than compared to pre COVID. They were lower than the Greater Sydney average at 11% below.

Northern Beaches residents were still spending an extra 4-5% of their week at home (equivalent to 6-8hrs a week) in December prior to the Xmas holiday period. Northern Beaches trends followed Greater Sydney for the most part.

Travel movements to place of work, 7 day average

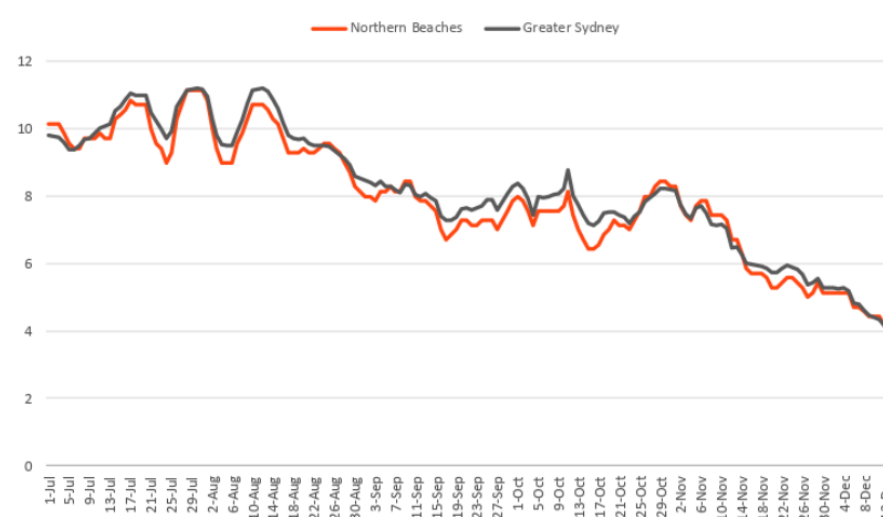
% change from base week



Google Mobility Data, 2021

Time spent at place of residence, 7 day average

% change from base week



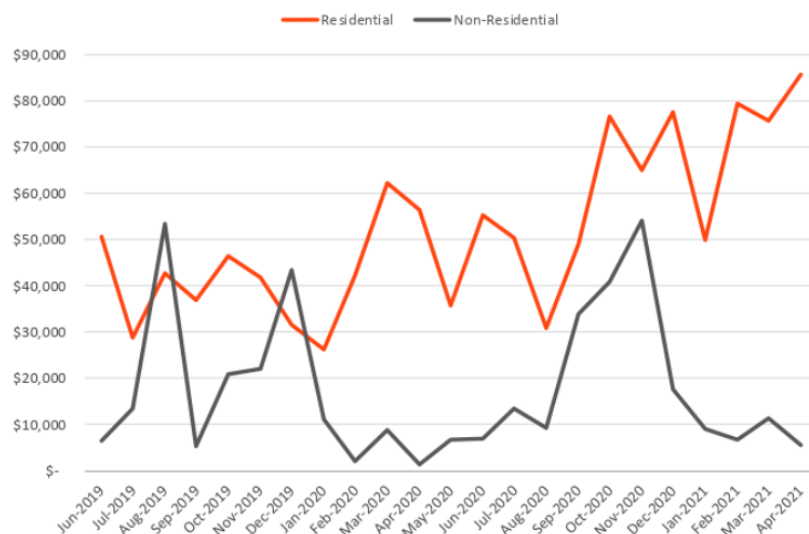
Google Mobility Data, 2021

Residential building approvals at an all time high

Since the initiation of the Commonwealth Government's Homebuilder program, many regions across Australia have seen an uptick in approvals. Northern Beaches is no different with the monthly value of approvals reaching a high in April 2021 of \$85M (the program ceased on April 14). In contrast to the Greater Sydney average, the majority of approvals since June 2020 have been for renovations (41%).

Monthly Value of Building Approvals

\$'000

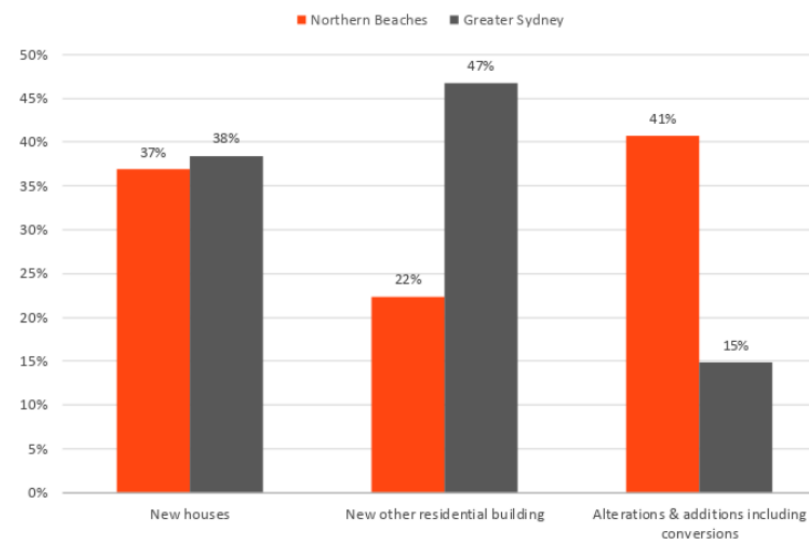


Source: ABS Building Approvals, 2021

Non-residential construction has been benefited from a few major approvals including the \$33 million upgrade of Manly's Brookvale Oval and a \$32.5M aged care facility in Belrose.

Share of Residential Value FYTD April 2021

\$'000



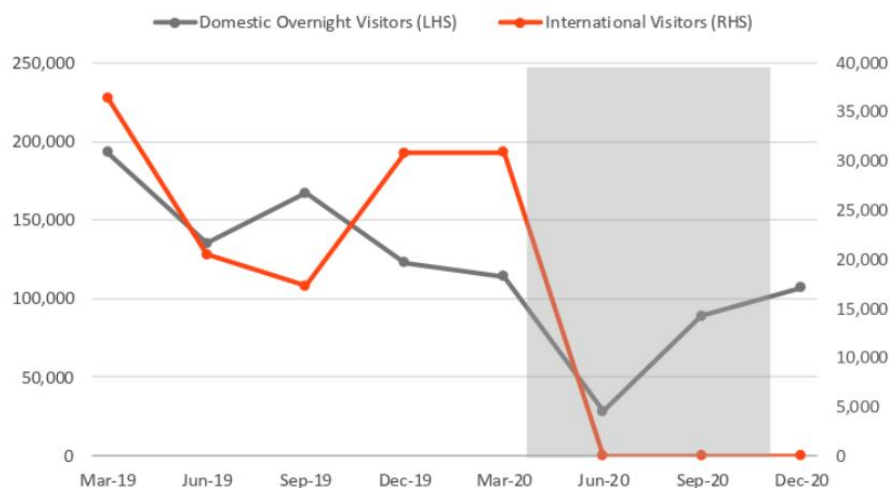
Source: ABS Building Approvals, 2021

Visitation, even domestic, seems a long way off returning to pre-COVID levels

Domestic and international visitation disappeared in June last year. However, despite opening up off some borders, continued lockdowns and uncertainty saw domestic overnight visitation in the Dec 2020 quarter below the year before by over 20,000 visitors.

Visitation - Northern Beaches

Estimated number of visitors



Tourism Research Australia, 2021

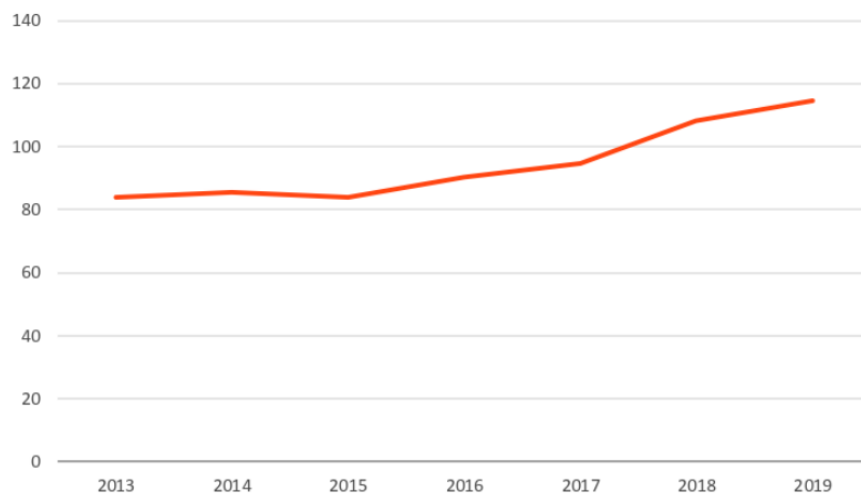
Appendix

Appendix 1: Tourism Trends

Over the last seven years to 2019, international visitors growth in Northern Beaches averaged at 5.3% per annum. The growth in the international visitors were lower than the Greater Sydney average of 7.2%.

International visitors - Northern Beaches

,000s (3 year rolling average)

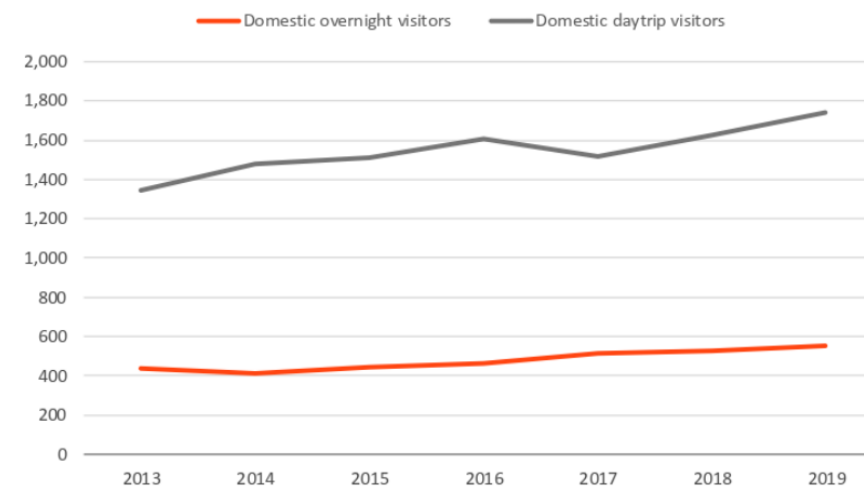


Source: Tourism Research Australia, 2019; RBA 2019

During the same period, domestic overnight visitors grew at 3.9% per annum while domestic daytrip visitors grew at 4.4% per annum.

Domestic visitors - Northern Beaches

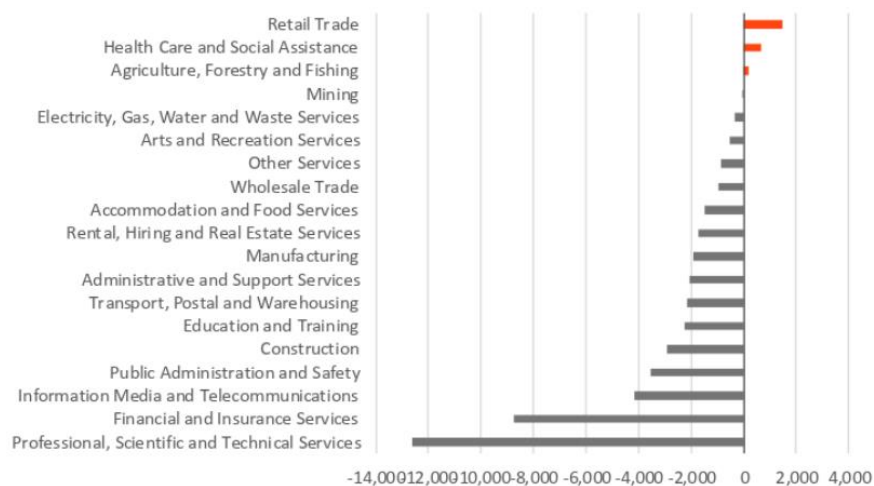
,000s (3 year rolling average)



Source: Tourism Research Australia, 2019; RBA 2019

Appendix 2: Job deficit by industry

Job deficit by industry - Northern Beaches, 2018/19 persons



Source: NIEIR (2019)

Data sources and definitions

- The data used in this analysis is based on the ABS Census of Population and Housing 2006, 2011 and 2016 estimates and NIEIR (National Economics) small area estimates of employment and economic value.
- For more information on NIEIR and their methodology please contact .id or refer to the NIEIR website

The following terms and acronyms are used in this report:

ABS

Australian Bureau of Statistics

DZN

Destination Zone (ABS Journey to Work small area geography)

Greater Brisbane

Geographic area classified as Greater Capital City Statistical Area by the ABS

LGA

Local Government Area

LQ

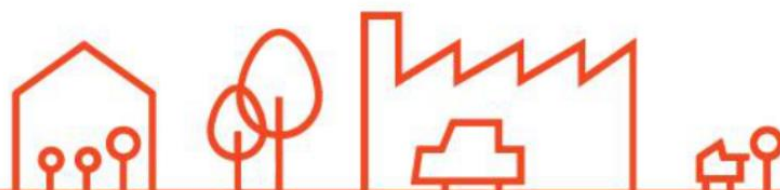
A Location Quotient is a way of seeing which are the main industries in an area, relative to a larger benchmark region. A number greater than 1 suggest the industry is over-represented locally and could be a specialisation

Regional Queensland

Geographic area classified as Rest of Queensland Statistical Area by the ABS

SA2

Statistical Areas Level 2 (SA2) are medium-sized general purpose areas used by the ABS for statistical analysis purposes



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