THE 'POST-COVID' GLOBAL, AUSTRALIAN AND TASMANIAN ECONOMIES

PRESENTATION TO A WEBINAR HOSTED BY THE AUSTRALIAN-CHINA BUSINESS COUNCIL

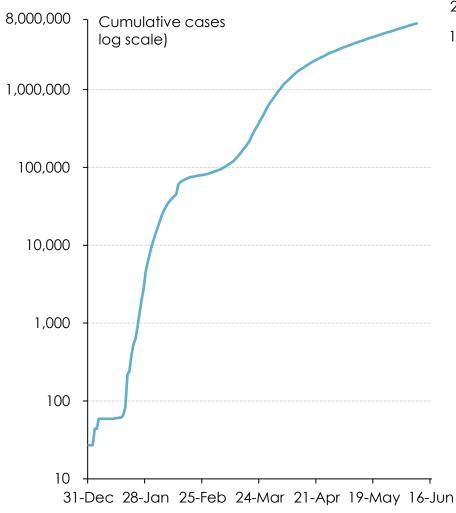
12TH JUNE 2020



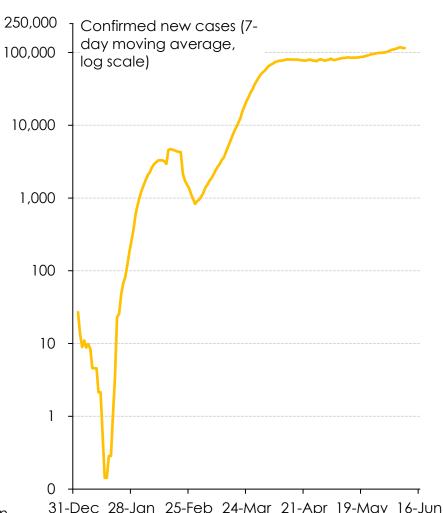
The world

There have now been over 7mn cases of Covid-19 worldwide, and over 405,000 deaths – and neither curve has been flattened, yet

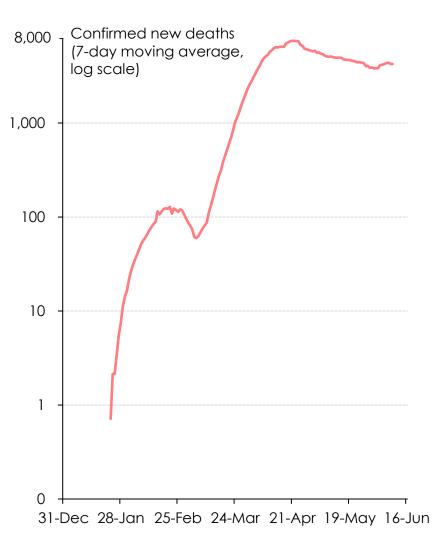
Cumulative confirmed cases – global total



New confirmed cases – global total



New deaths – global total

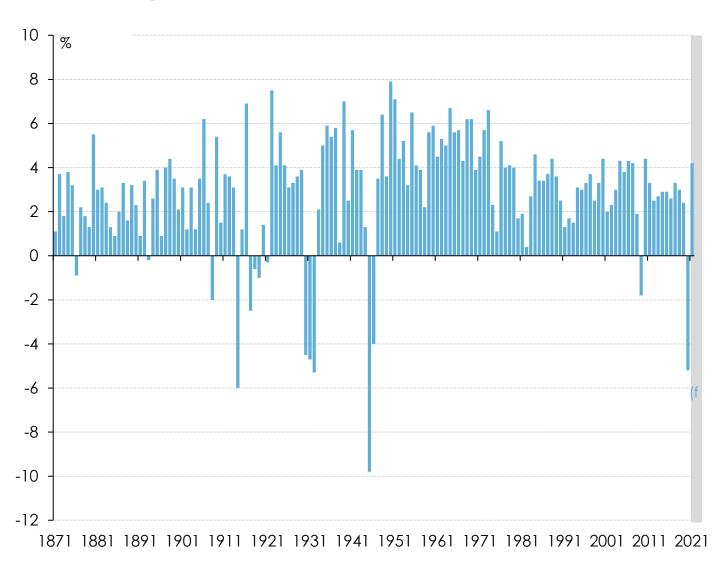






The World Bank this week forecast that the Covid-19-induced global recession would be the fourth worst in the last 150 years

Growth in global real GDP, 1871-2001



Cumulative decline in real per capita GDP during global recessions



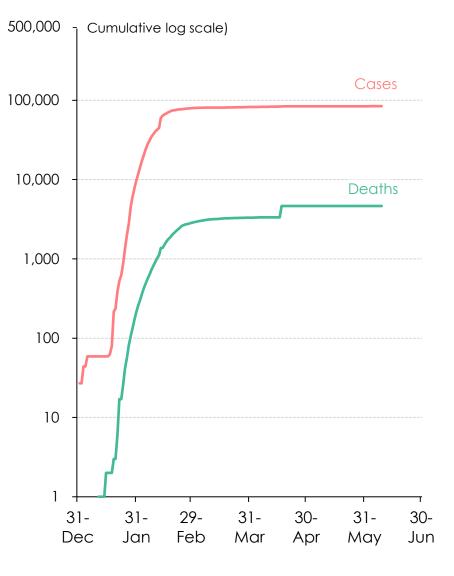
Source: The World Bank, Global Economic Prospects, June 2020.



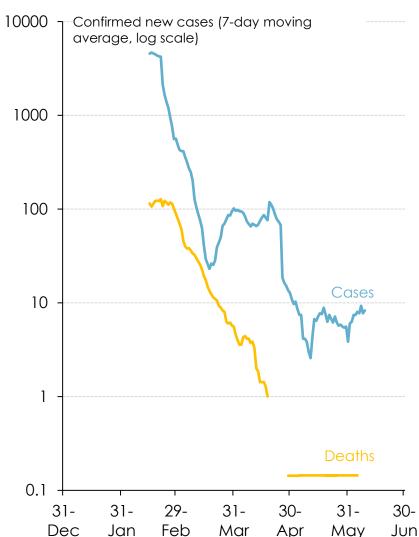
China

China claims to have stopped the spread of Covid-19 from mid-March onwards, although it has experienced isolated outbreaks since then

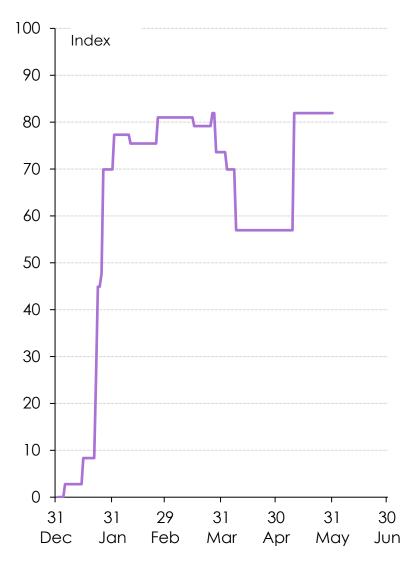
Cumulative cases and deaths



New cases and deaths



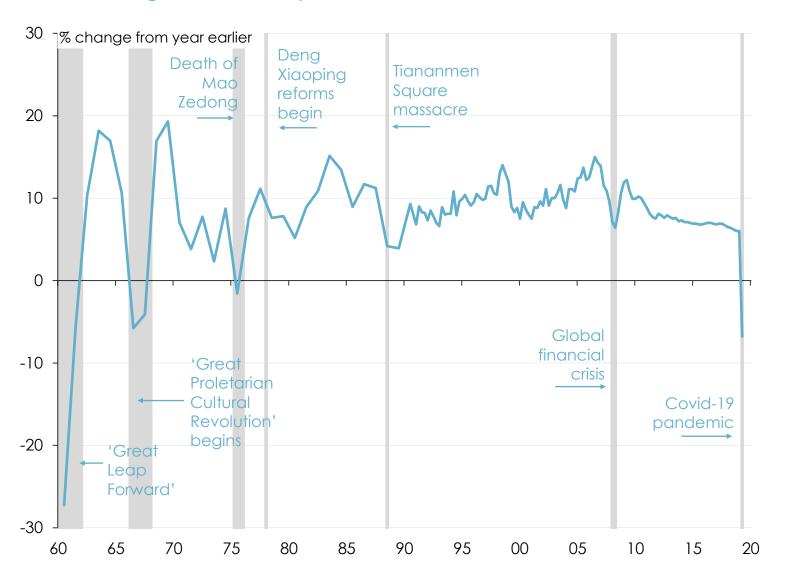
Severity of restrictions



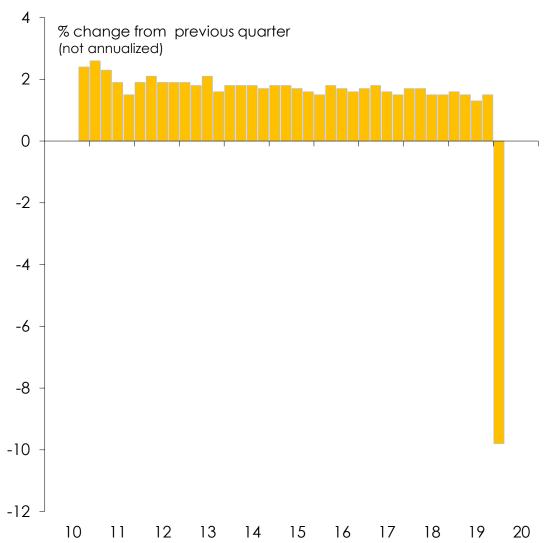


China experienced its sharpest economic downturn in the first quarter of this year since the beginning of the 'Cultural Revolution'

Real GDP growth, from year earlier, 1961-2020



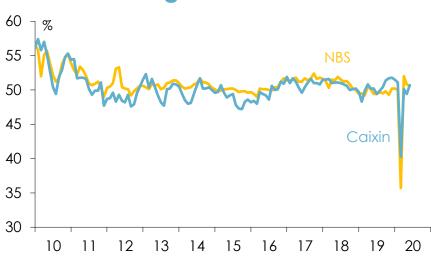
Quarterly real GDP growth, 2010-2020



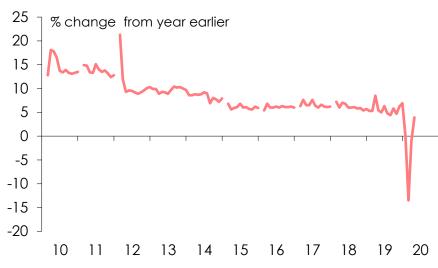


Production has rebounded in the current quarter, although not yet to prepandemic levels

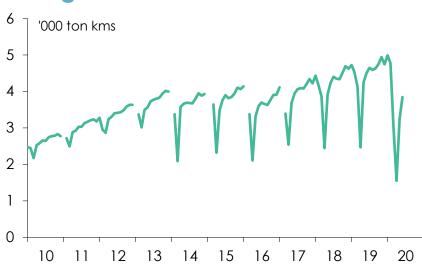
Manufacturing PMIs



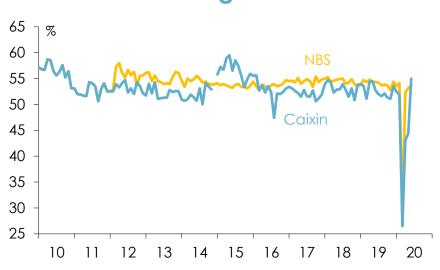
Industrial production



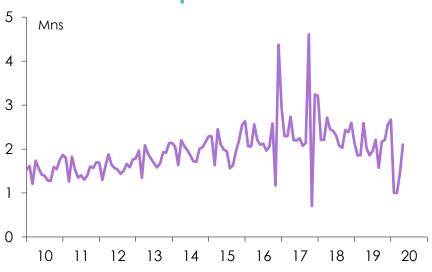
Freight traffic



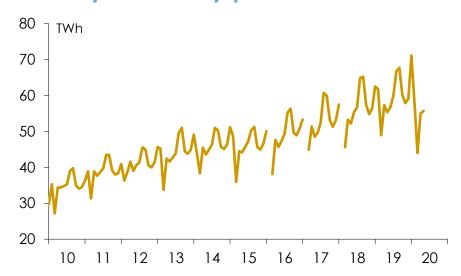
Non-manufacturing PMIs



Motor vehicle production



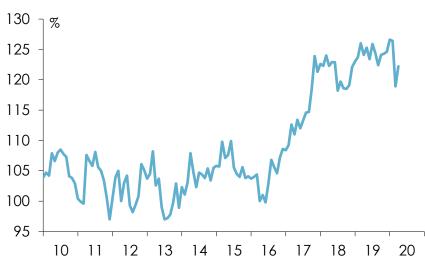
Primary electricity production

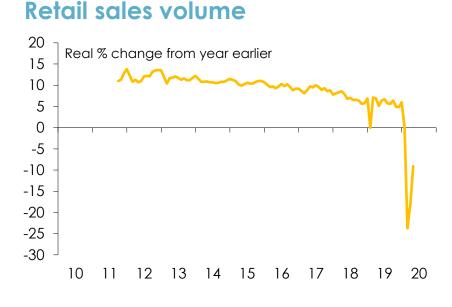




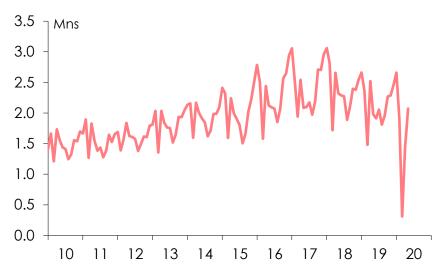
However the 'demand' side of the Chinese economy – both household and business – still looks soft

Consumer sentiment

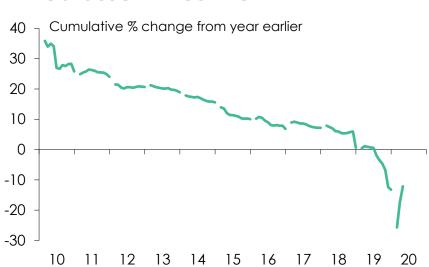




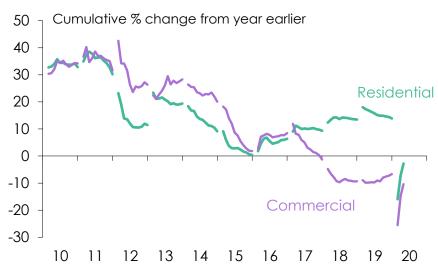
Motor vehicle sales



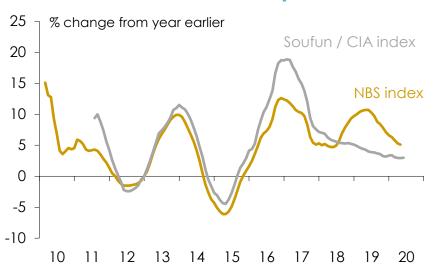
Fixed asset investment



Real estate investment



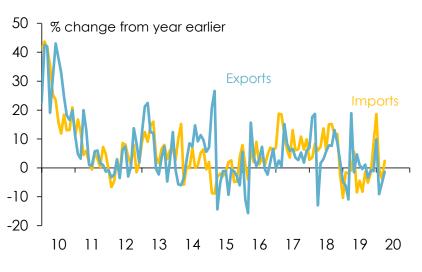
Residential real estate prices



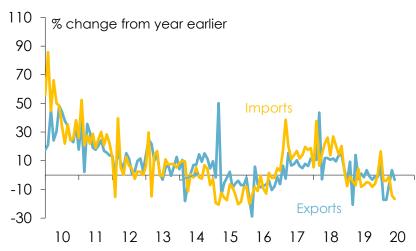


China's trade slowed during 2019, but doesn't (yet) appear to have deteriorated further in the first half of this year

Merchandise trade volumes



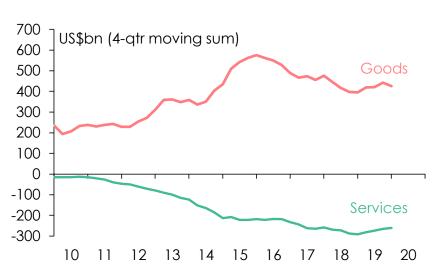
Merchandise trade values



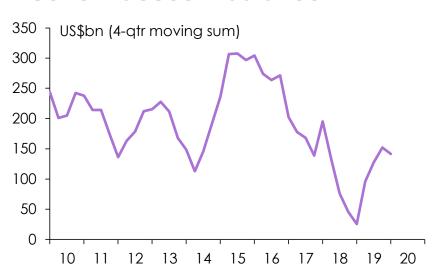
Merchandise trade balance



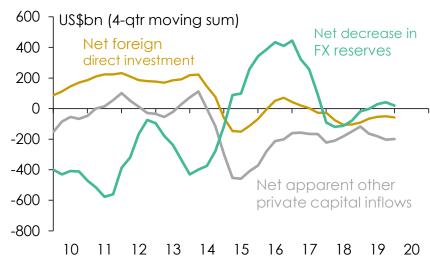
Goods and services balances



Current account balance



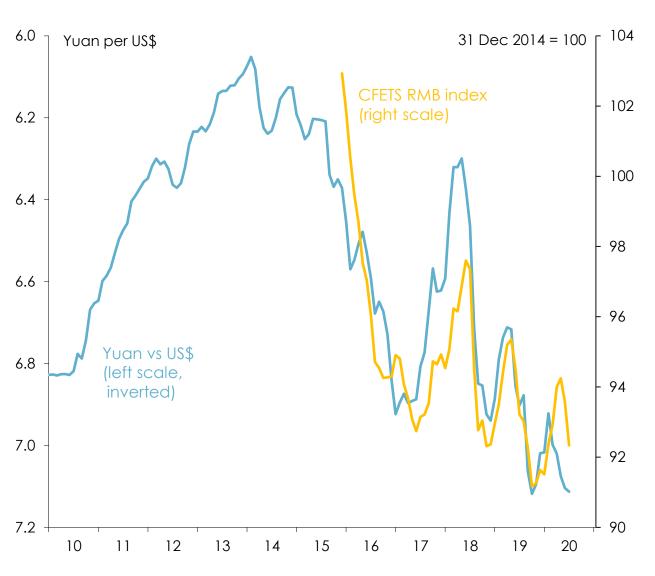
FDI and other capital flows



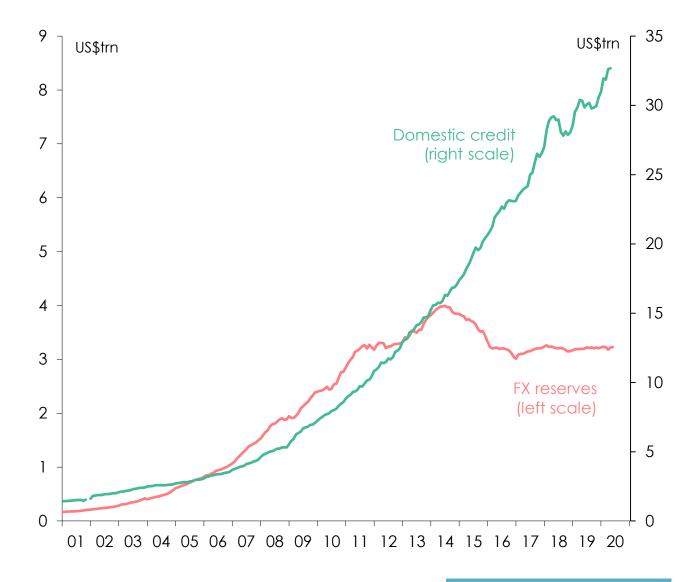


China has allowed the yuan to depreciate against the US\$ and in trade-weighted terms – but is the FX regime sustainable in the long term?

Chinese yuan vs US\$ and trade-weighted index



FX reserves and domestic credit





China has become more belligerent in its dealings with nearly all of its neighbours – not just Australia

Chinese and Indian troop confrontations, May 2020 >

Gwadar, Pakistan -China building new port and airport as part of BRI

> Chinese coast quard vessel sank Vietnamese fishina boat, April 2020

Feydhoo Finolhu Island (Maldives) – China acquired a lease in 2016 and has since expanded it from 38,000 m² to 100,000 m²

Hambantota (Sri Lanka) – **China Merchants Port** Holdings acquired a 99year lease on a new port (built by China Harbour) In exchange for relief from US\$1bn of debt

New 'national security' laws to be imposed on Premier Li Kegiang's 'Work Report' to the meeting of the **Hong Kong** Islands (held by Taiwan) Paracel and Spratly Islands declared administrative districts under Sansha City (Hainan) in April 2020) Chinese vessels confront oil-drilling ship chartered by Malaysia's stateowned oil company Petronas in April 2020

> On 5th June, China's Ministry of Tourism & Culture issued a statement reminding Chinese tourists to 'enhance their safety awareness and do not travel to Australia'

National People's Congress in June omitted the word peaceful' from the usual statement about reunification with Taiwan, for the first time in 40 years

In August, China's PLA will conduct military exercises on Hainan which will simulate an invasion of the Dongsha

> China Mobile seeking to acquire assets of highly indebted PNG mobile phone operator Digicel

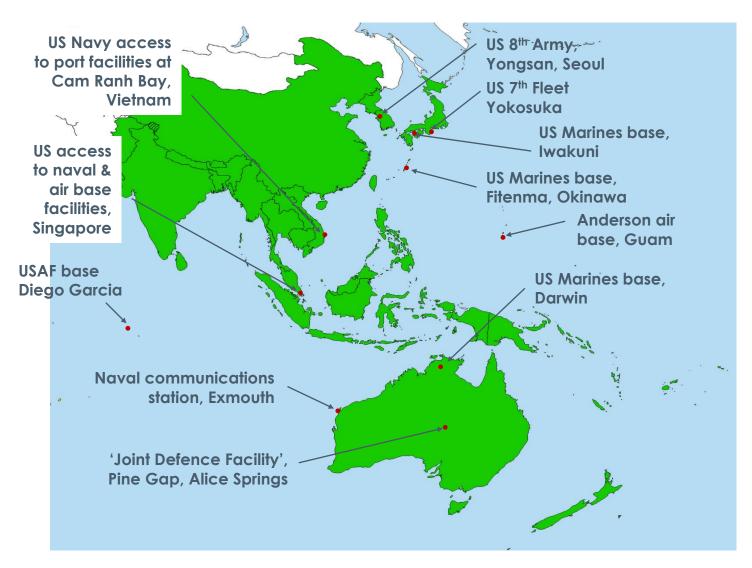
Tulagi (Solomon Islands) -**CCP-affiliated company** acquired a 75-year lease in May 2020

In May, China imposed an 80% tariff on Australian barley exports, cancelled beef imports from 4 Australian abattoirs, directed power stations not to buy Australian thermal coal, and Chinese Ambassador threatened tourism and student boycott of Australia after Australia called for inquiry into virus origins

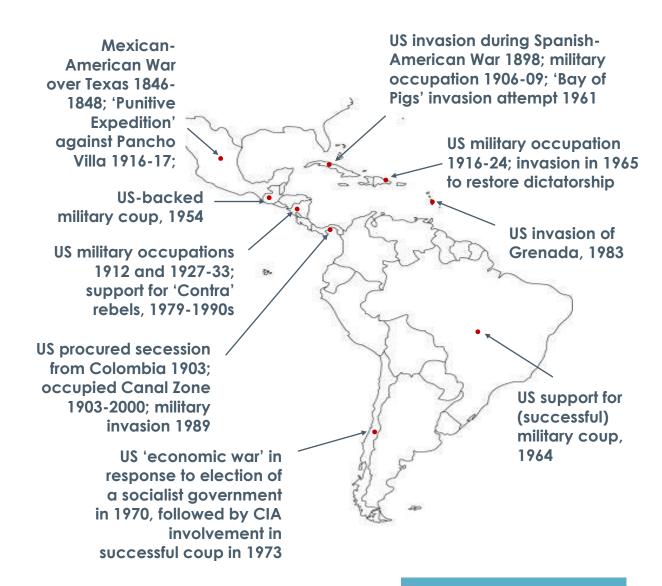


Of course the Chinese would say they're not doing anything the US hasn't, either in the Indo-Pacific or in the Americas

US military presence in the 'Indo-Pacific' region

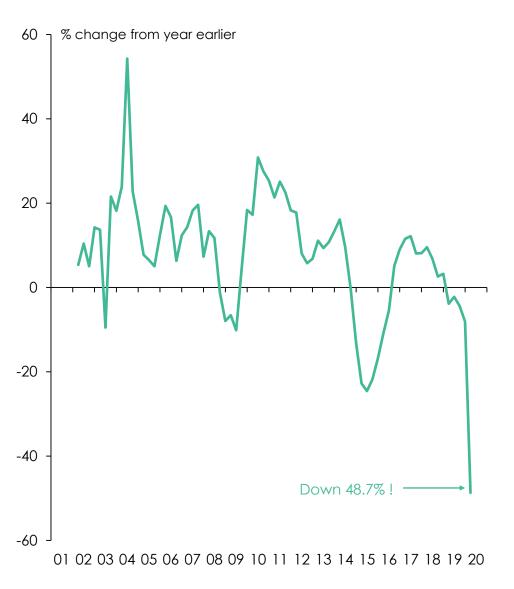


US involvement in Latin America and Caribbean

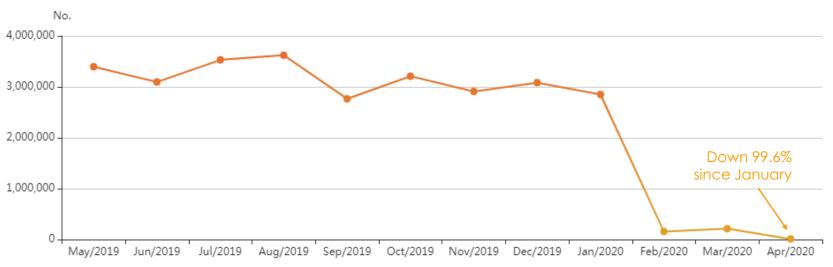


The world's worst recession is probably in Macau

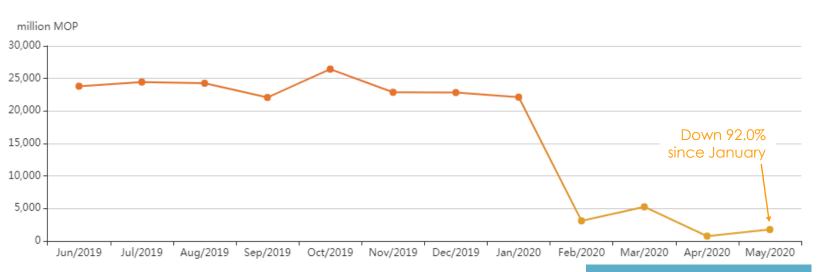
Macau - real GDP



Visitor arrivals



Gambling revenue

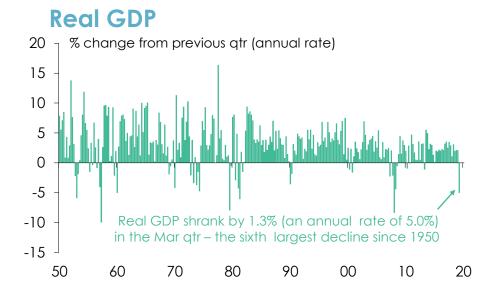




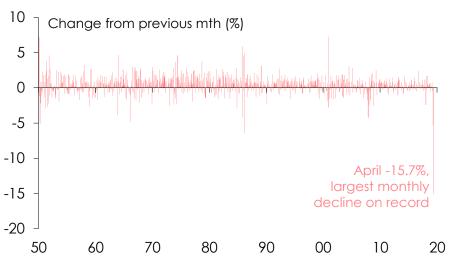


Other parts of the world

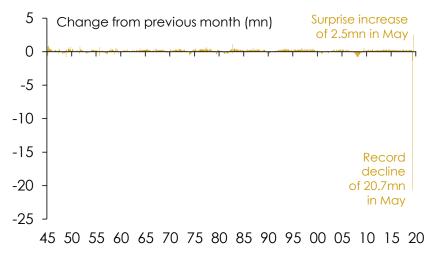
The US economy is experiencing its sharpest contraction since the 1930s



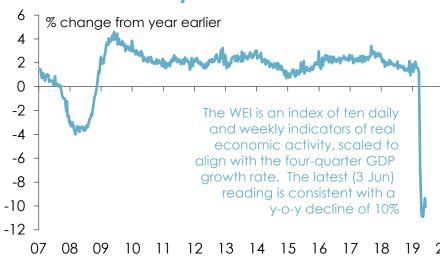




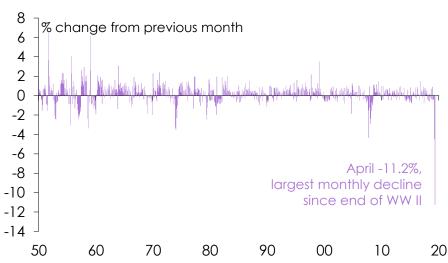
Non-farm payroll employment



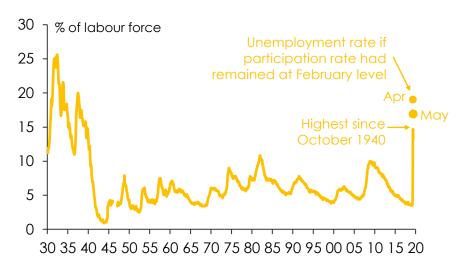
NY Fed weekly economic index



Industrial production



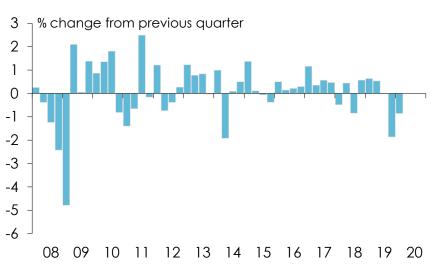
Unemployment rate



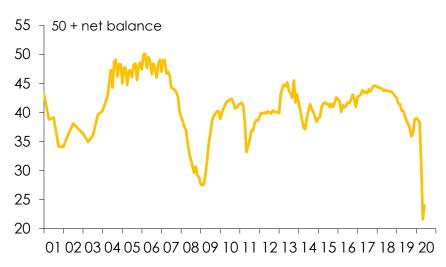


Japan entered its fourth recession since 2000 after hiking its GST rate last October, and the pandemic has worsened it

Real GDP



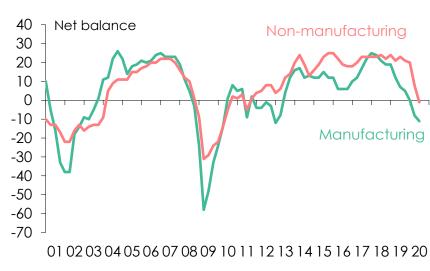
Consumer confidence



Unemployment



Business sentiment



Passenger vehicle sales



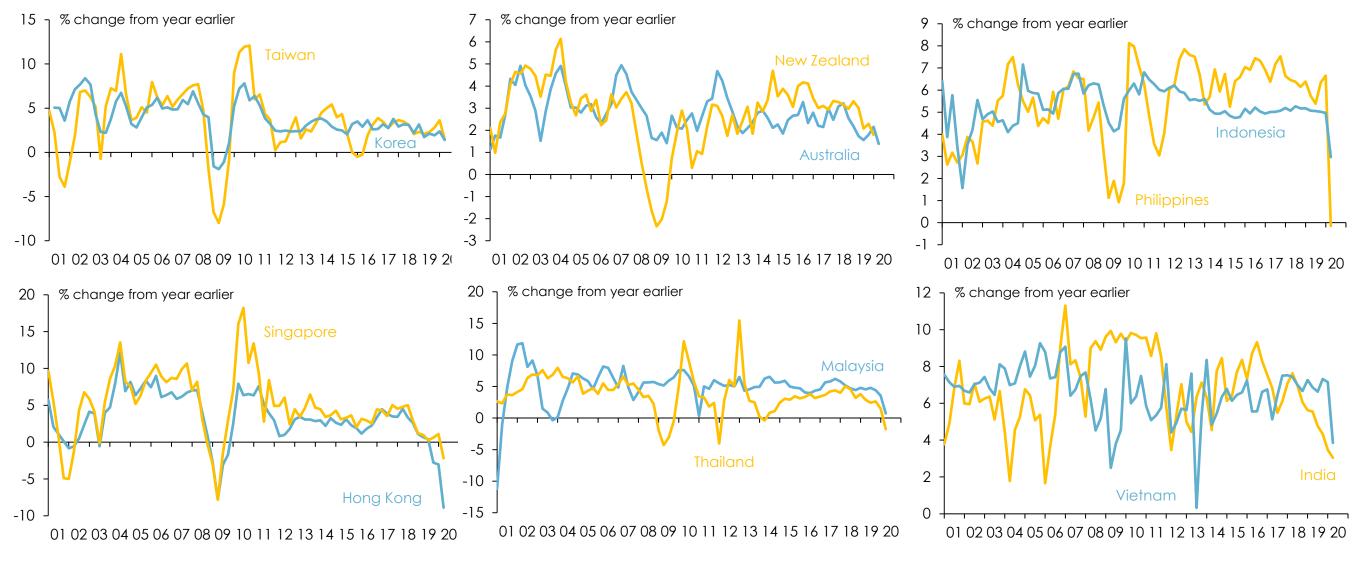
Merchandise exports





Most other Asia-Pacific economies also experienced slower growth in the first quarter, with some contracting outright

Real GDP growth

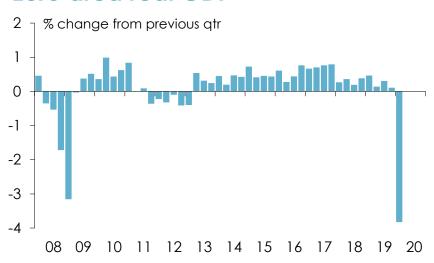


Note: New Zealand is the slowest 'advanced' economy in the world to produce national accounts estimates: its Q1 GDP data won't be released until 18th June. Sources: Bank of Korea; Taiwan Directorate-General of Budget, Accounting & Statistics; Hong Kong Census & Statistics Department; Singapore Department of Statistics; Australian Bureau of Statistics; Statistics New Zealand; Department of Statistics Malaysia; Office of the National Economic & Social Development Council of Thailand; Statistics Indonesia; Philippine Statistics Authority; General Statistics Office of Viet Nam; India Ministry of Statistics & Programme Implementation.

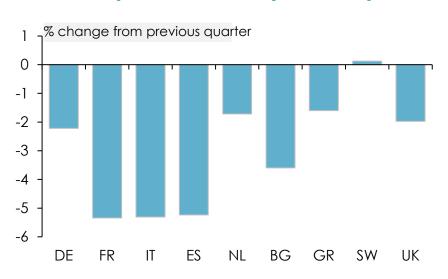


Europe is also experiencing a sharp downturn although unemployment probably won't rise as much as in the US

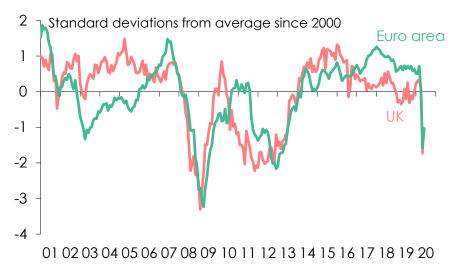
Euro area real GDP



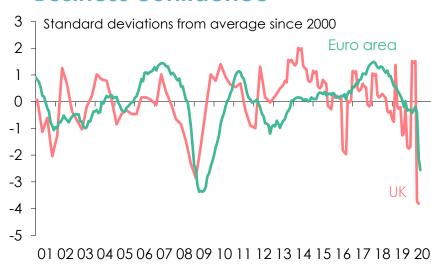
March quarter GDP by country



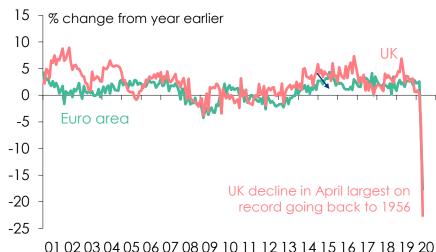
Consumer confidence



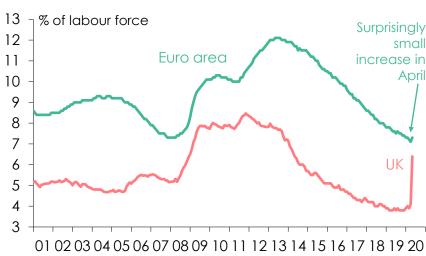
Business confidence

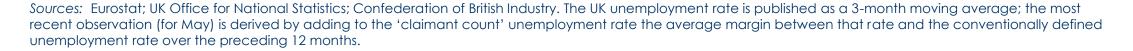


Retail sales volume



Unemployment

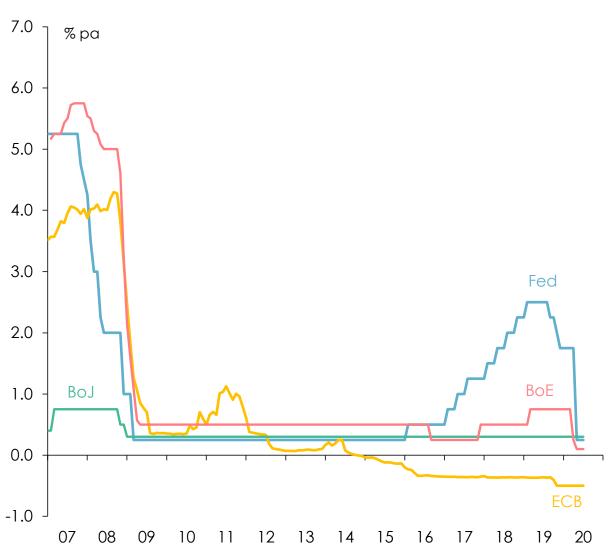




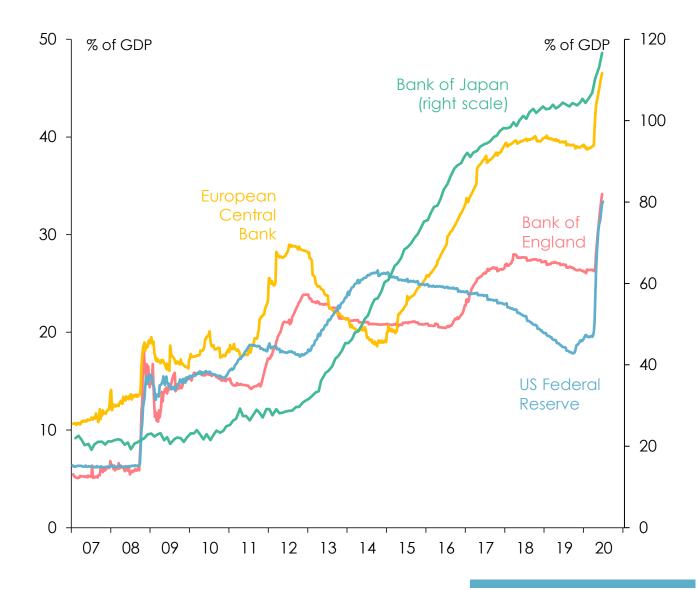


Major central banks have done more 'QE' than they did during the global financial crisis – and this week the ECB foreshadowed a whole lot more

Major central bank policy interest rates



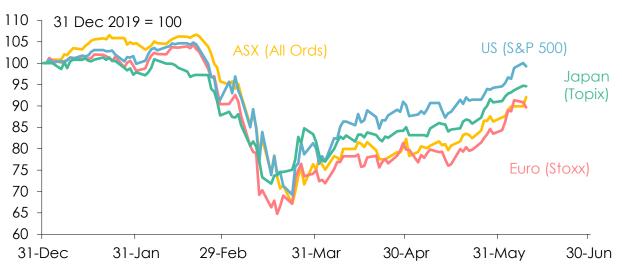
Major central bank balance sheets





Central bank actions, and optimism about economic recovery and discovery of a vaccine, have improved risk sentiment in financial markets

Stock markets



10-year bond yields



Measures of market volatility



US dollar vs euro and yen

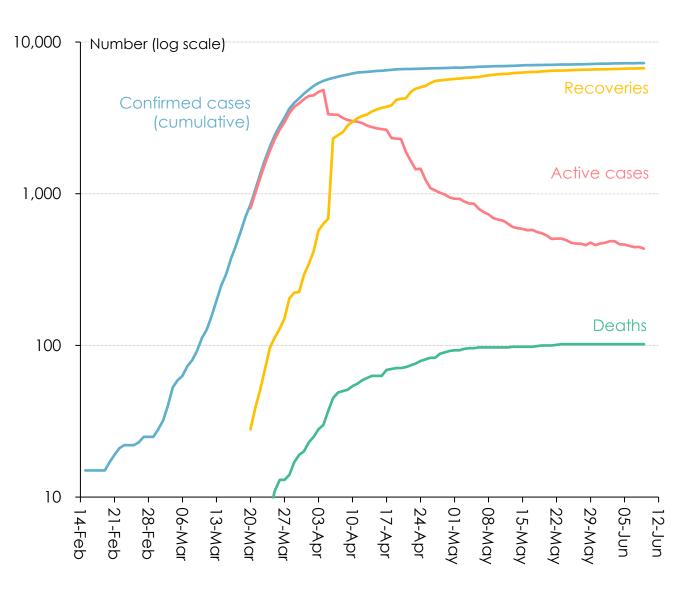




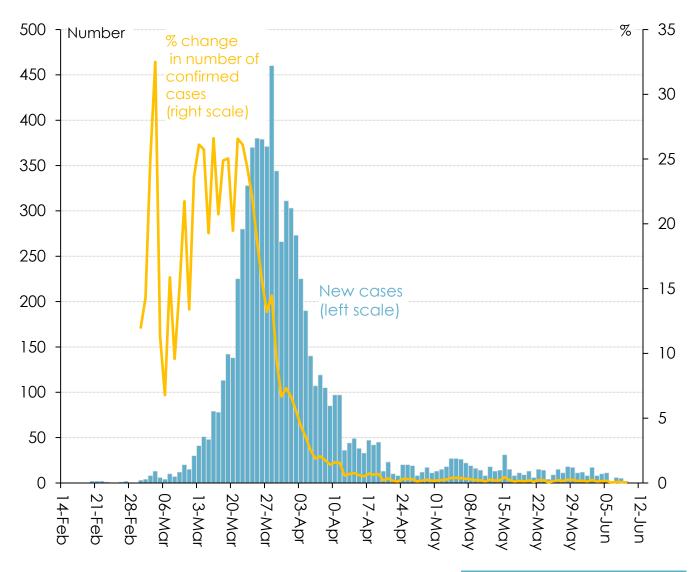
Australia

Growth in the number of confirmed cases in Australia has slowed substantially

Confirmed cases



New cases

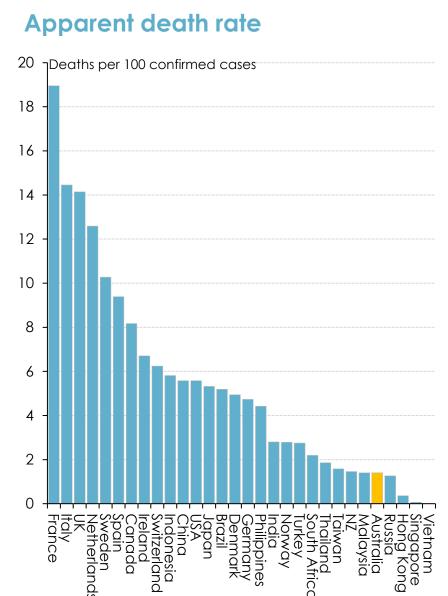


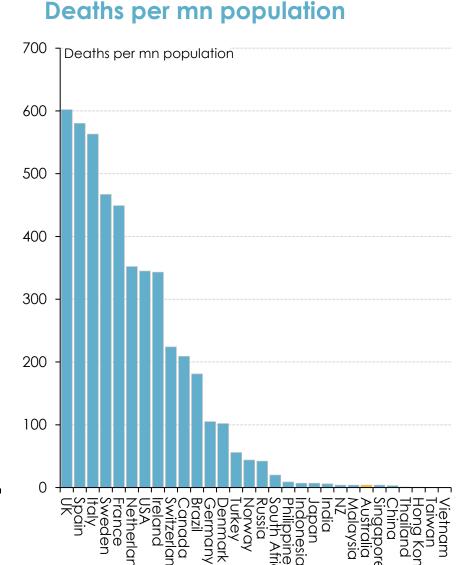
CORINNA ECONOMIC ADVISORY



The virus appears (so far) to have been less infectious, and less lethal, in Australia than in most other countries

Apparent infection rate Cases per mn population 6,000 5,000 4,000 3,000 2,000 1,000

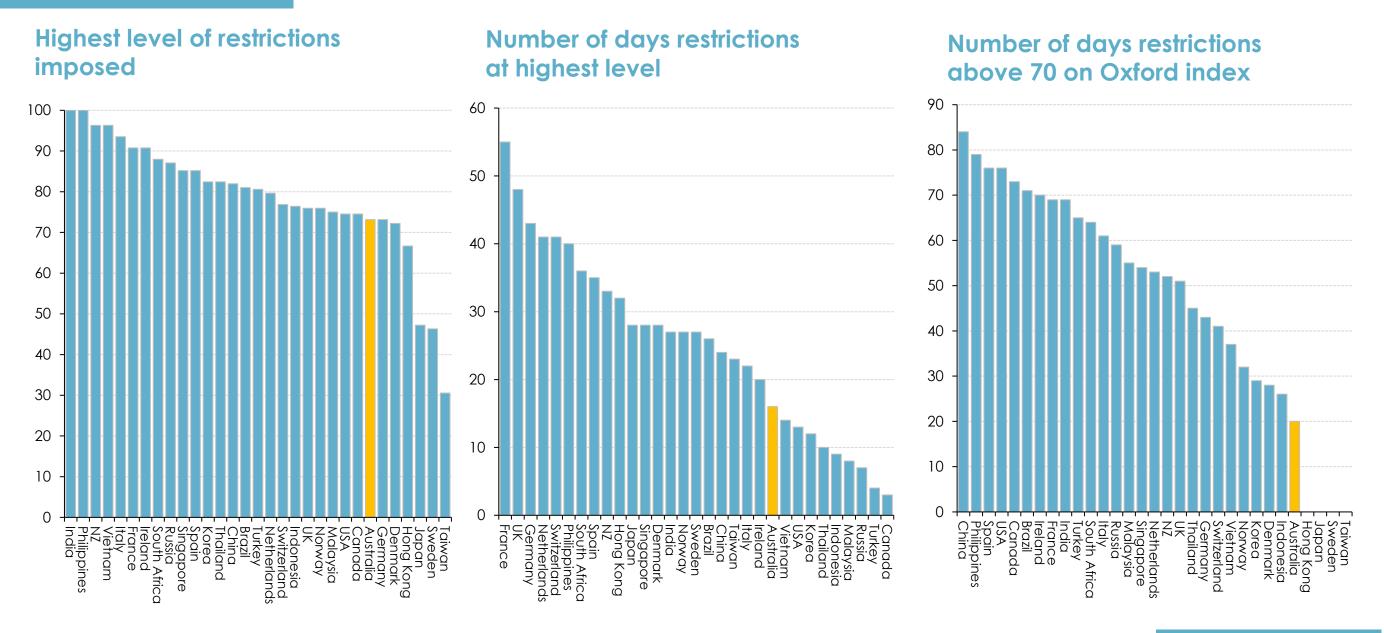




Note: Data up to 9th June. Sources: Worldometers; Corinna.



Australia's restrictions were, on average, less stringent than in most other 'advanced' economies, or other economies in our region

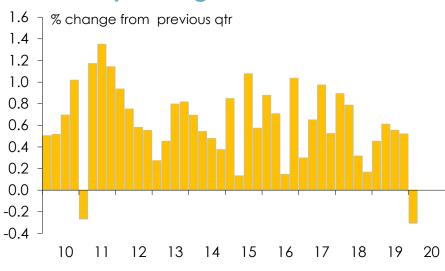


The Oxford COVID-19 Government Response Tracker collects publicly available information on 11 indicators of government response including school and workplace closures, public events cancellations, restrictions on public gatherings, stay at home requirements, public transport closures, domestic and international travel restrictions, public information campaigns, testing and contact tracing. Source: Blavatnik School of Government, Oxford University. Data up to 31st May – 4th June.

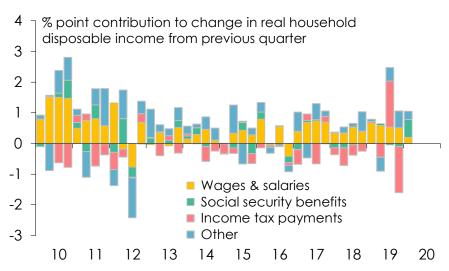


The Australian economy contracted in the March quarter, for the first time in 10 years

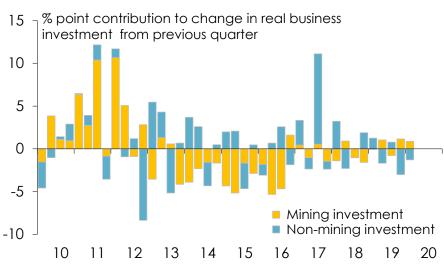
Quarterly change in real GDP



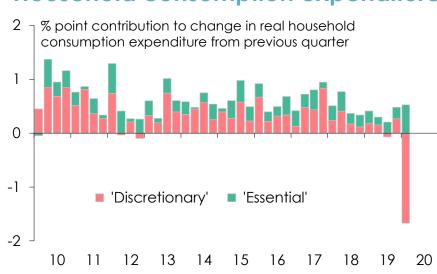
Household disposable income



Business investment expenditure



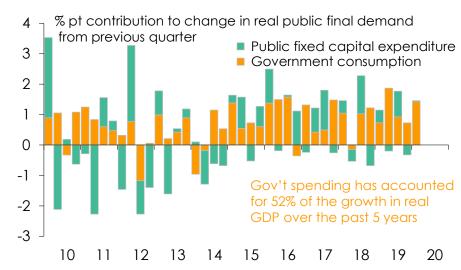
Household consumption expenditure



Household saving rate

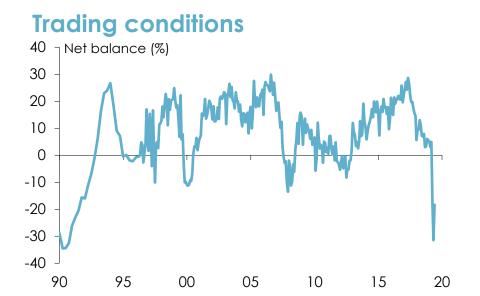


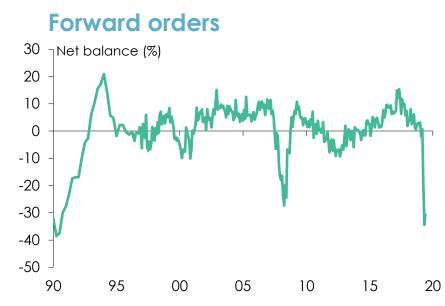
Public expenditure



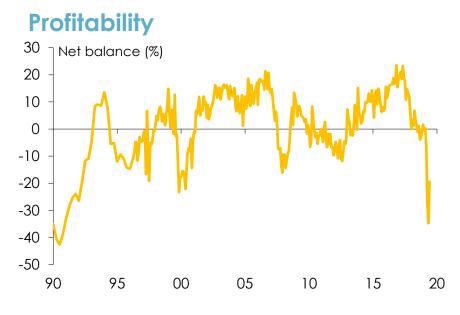


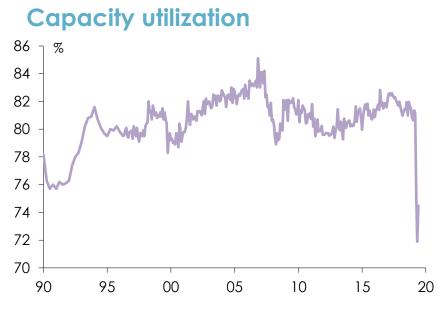
Trading conditions & profitability have improved since March but forward orders remain very weak, while hiring and capex intentions remain low

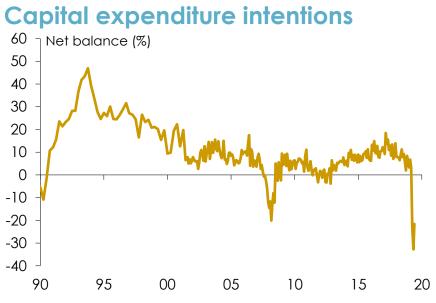








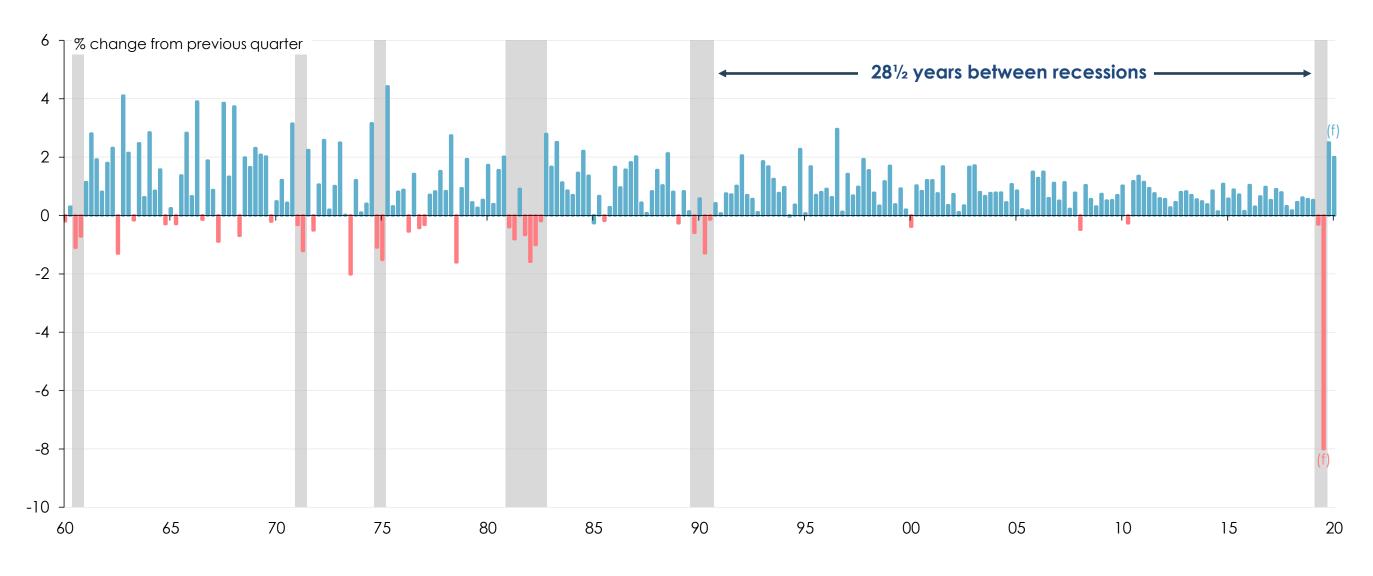




Note: Quarterly data up to March 1987 (May 2002 for capex intentions), monthly thereafter (latest data June 2020). Source: National Australia Bank.

Australia's record-breaking run of almost 30 years without a recession has come to an end

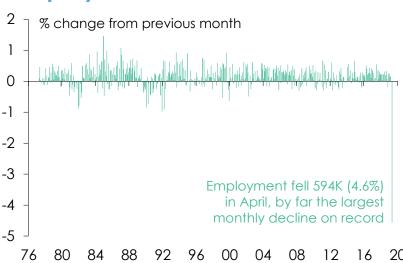
Quarterly growth in Australian real GDP, 1960-2020





Nearly 600,000 jobs were lost in April, although more than 80% of joblosers quit the labour force, limiting the rise in (measured) unemployment

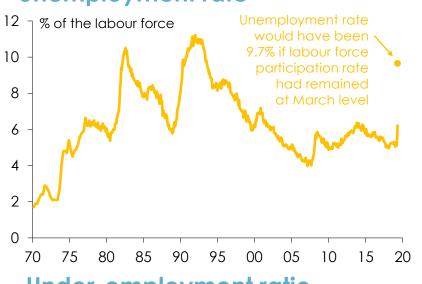
Employment



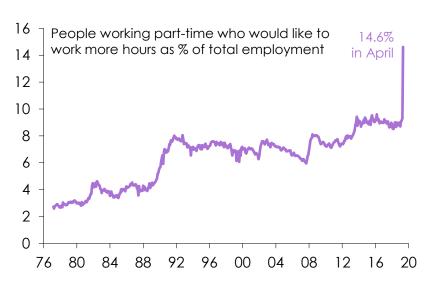
Labour force participation rate



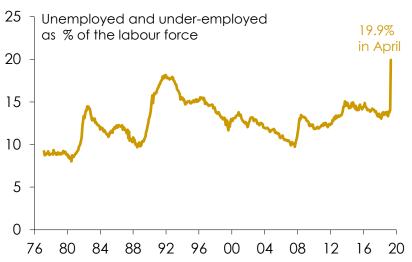
Unemployment rate



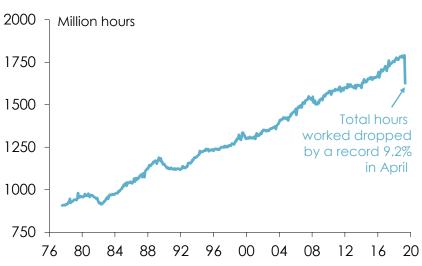
Under-employment ratio



'Under-utilization' rate



Total hours worked

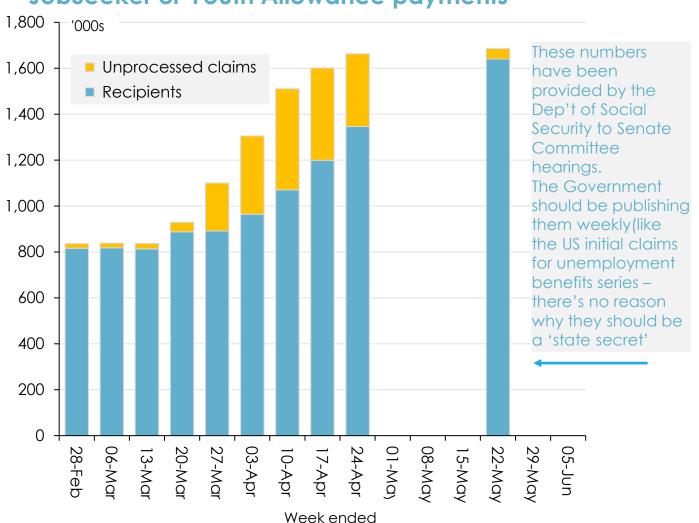


Note: The ABS classifies people on JobKeeper who worked zero hours in the survey week as 'employed'. Had it not done so, the unemployment rate in April would have been 11.7%. The 'under-employment ratio' is the percentage of employed persons who are working fewer hours than they are willing and able to work. The 'under-utilization rate' is the proportion of the labour force who are unemployed or underemployed. Source: ABS.

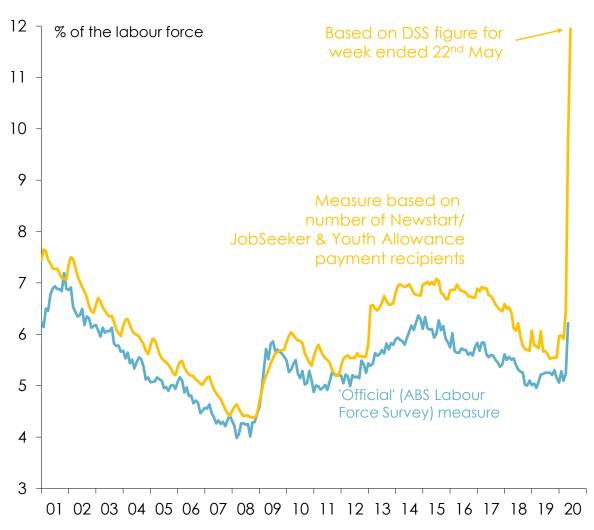


The measured unemployment rate is understating the 'true' extent of job losses

Number of people receiving or seeking Newstart/ JobSeeker or Youth Allowance payments



Alternative measures of the 'unemployment rate'

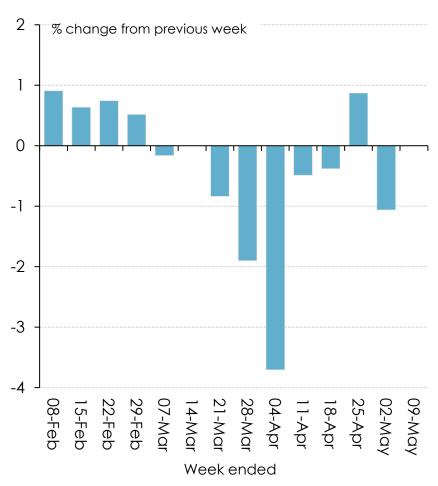




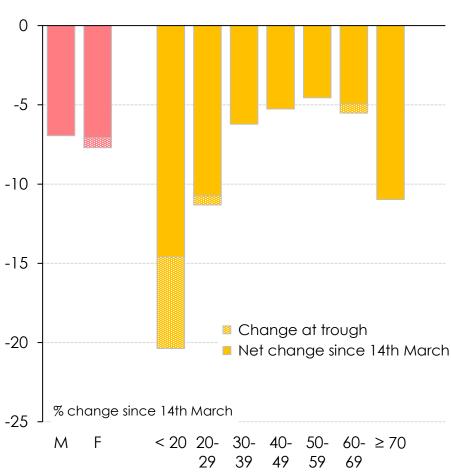


Payroll employment has fallen by $7\frac{1}{4}$ % since 'social distancing' restrictions were imposed from mid-March, but the pace of job losses has slowed

Weekly change in number of payroll jobs



Change in payroll jobs by age & gender



Change in payroll jobs by State & Territory

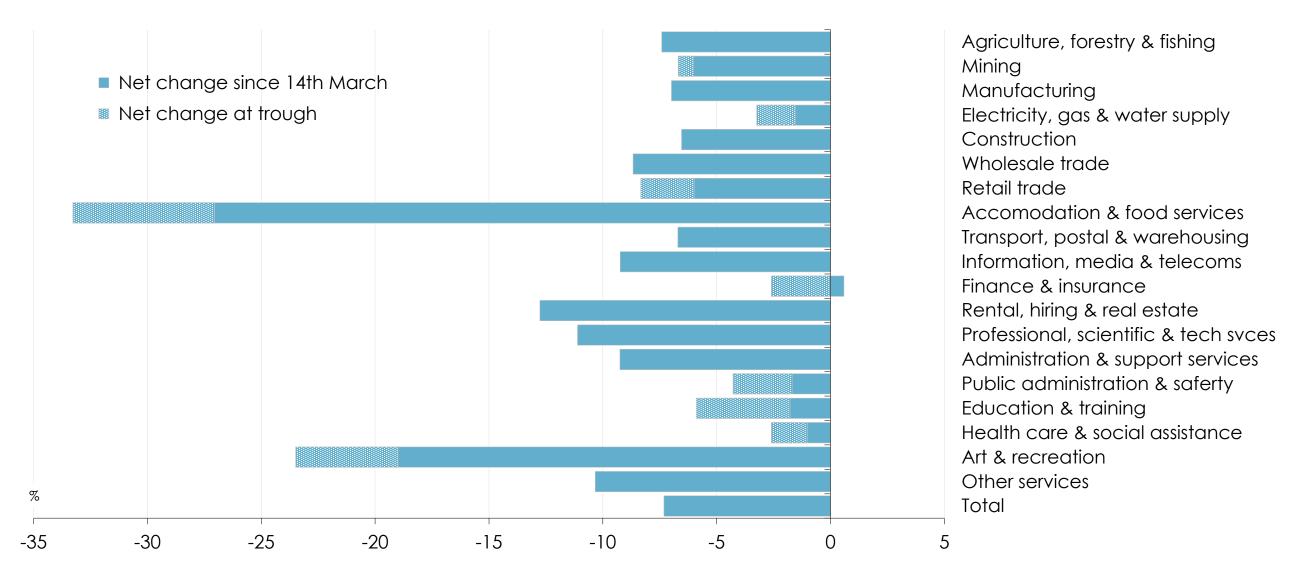


Source: ABS. Data refers to the number of payroll jobs at businesses participating in the Australian Taxation Office's Singe Touch Payroll system, which covers 99% of employers with 20 or more employees and about 71% of smaller employees. Data are not seasonally adjusted.



Employment has fallen much more sharply in services sectors than in sectors producing or distributing goods

Change in number of payroll jobs between 14th March and 2nd May, by industry

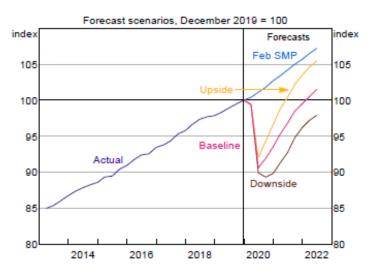


Source: ABS. Data refers to the number of payroll jobs at businesses participating in the Australian Taxation Office's Single Touch Payroll system, which covers 99% of employers with 20 or more employees and about 71% of smaller employees. Data are not seasonally adjusted.

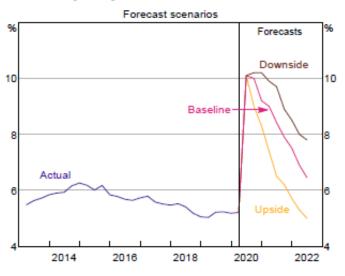


The RBA's most recent Monetary Policy Statement presented three alternative scenarios

GDP



Unemployment



The RBA's 'baseline' scenario assumes that most 'social distancing' restrictions are lifted by the end of the September quarter, apart from those on large public gatherings and events, and international borders (which aren't opened until early 2021)

In this scenario real GDP declines by 5% in 2020 but rebounds by 4% in 2021, while unemployment peaks at around 10% in the current (June quarter) and declines to 6½% by Dec atr 2021

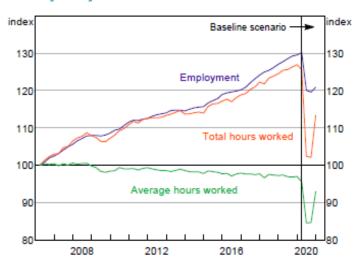
The RBA's 'upside' scenario assumes most restrictions are phased out over coming months (which is more in line with the Government's "Three Step Plan" announced on 9thMay

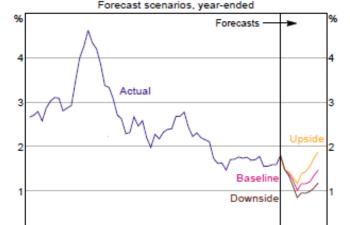
□ Under this scenario most of the initial decline in real GDP is reversed by mid-2021, while unemployment could be back to 51/4% by mid-2022

☐ The 'downside' scenario assumes restrictions are retained for longer or need to be reimposed

In this scenario GDP would remain close to its trough through end-2020, and unemployment would remain close to 10% until 'well into 2021'

Employment





2014

2018

2022

'Underlying' inflation

2006

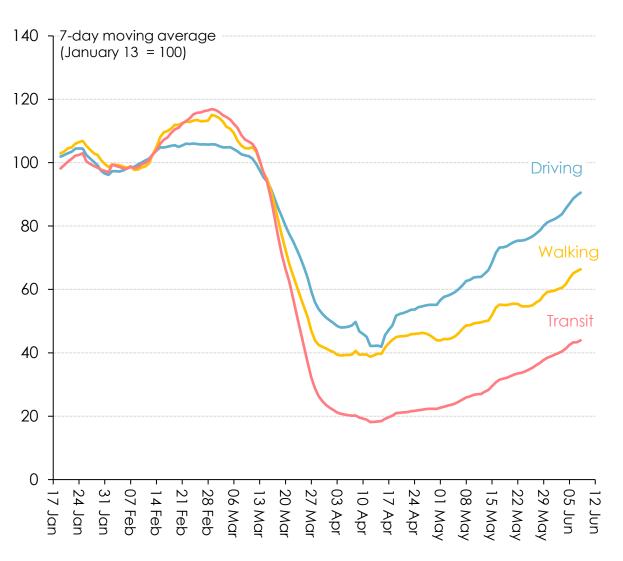
2010



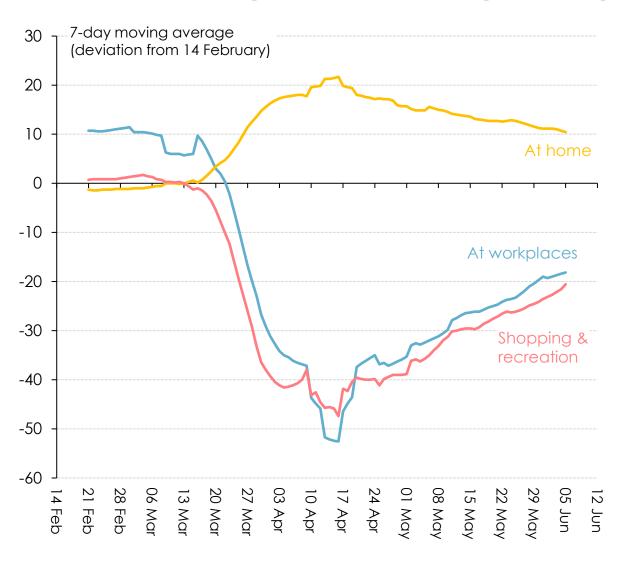


Australians stayed home while restrictions were in force, but are now starting to get out and about again

Time spent driving, walking and in transit



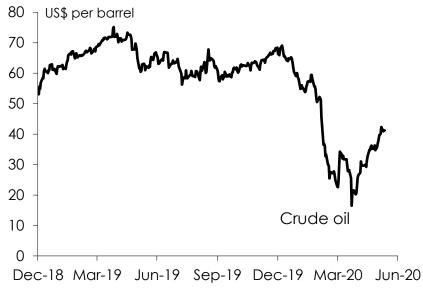
Time spent working, at home, shopping & playing

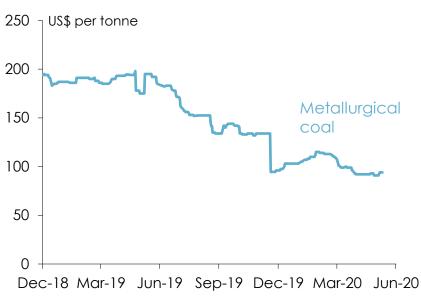


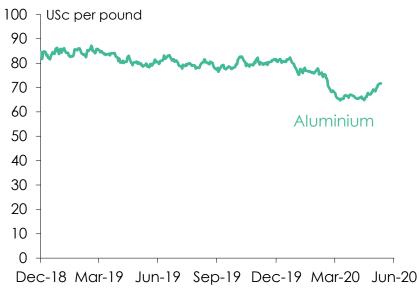
Note: 'transit' means using public transport. Sources: Apple Mobility Trends Reports (data up to 8th June); Google Covid-19 Community Mobility Reports (data up to 6th June).



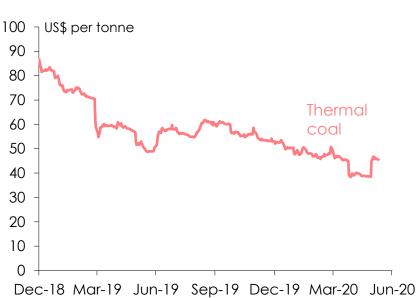
Despite a sharp fall in oil prices, Australian export commodity prices have proved relatively resilient (unlike during the GFC)

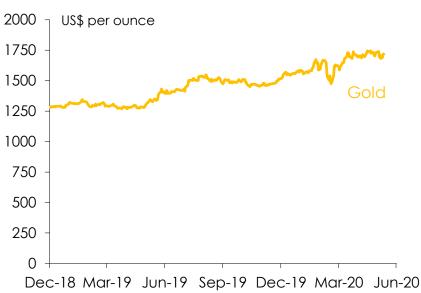








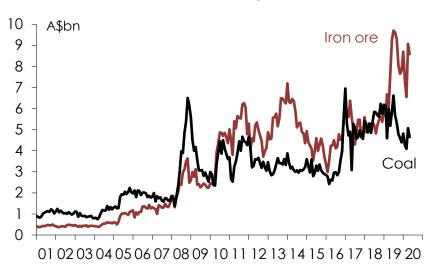




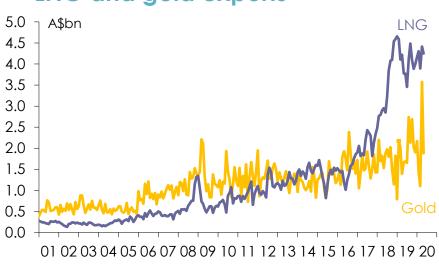


Australian exports have held up remarkably well, while even the tourism trade balance has improved

Iron ore and coal exports



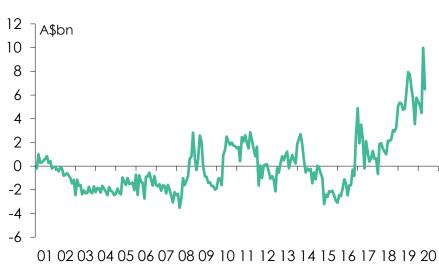
LNG and gold exports



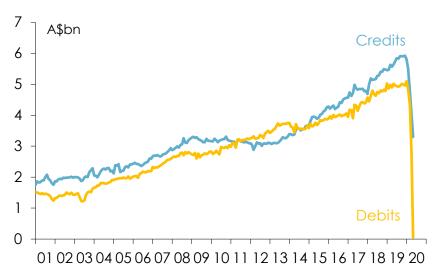
Merchandise exports and imports



Merchandise trade balance



Tourism-related services trade



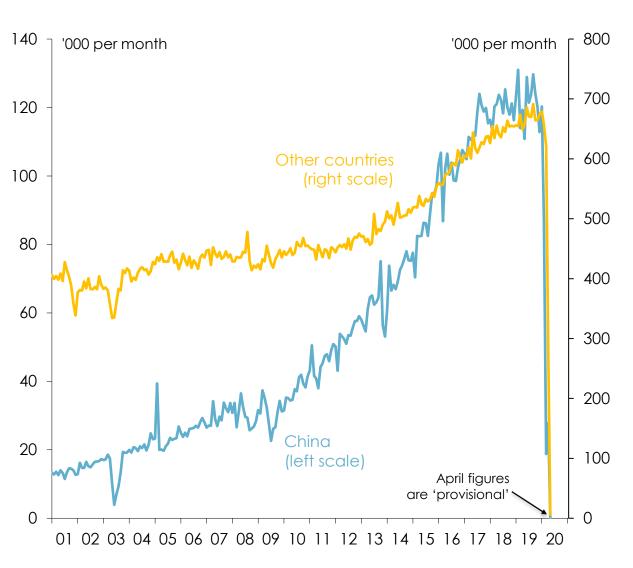
Tourism services trade balance



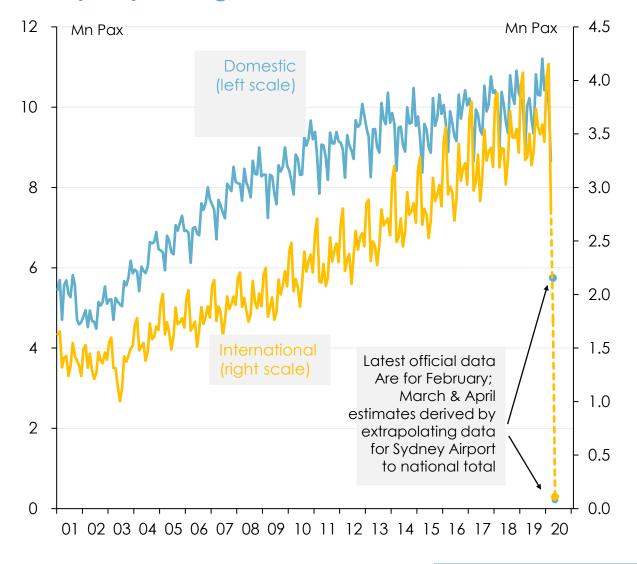


Tourism and aviation have been severely impacted by the closure of international and most state borders

Short-term visitor arrivals



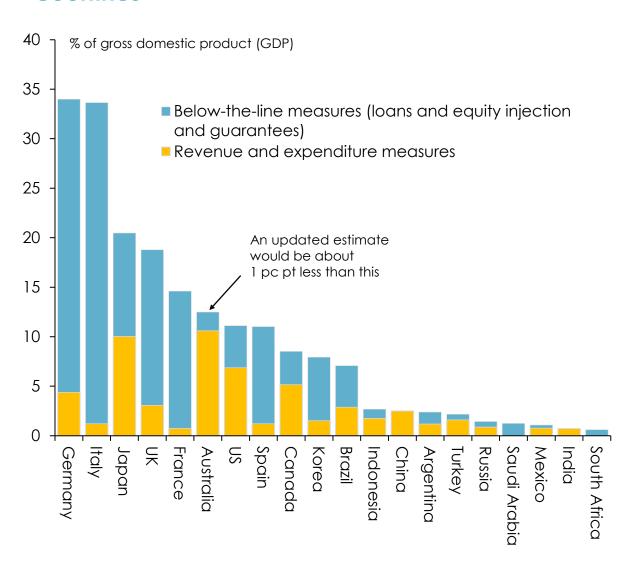
Airport passenger movements





The Australian Government's policy measures have been very large by historical and international standards

Policy responses to Covid-19 – G20 countries

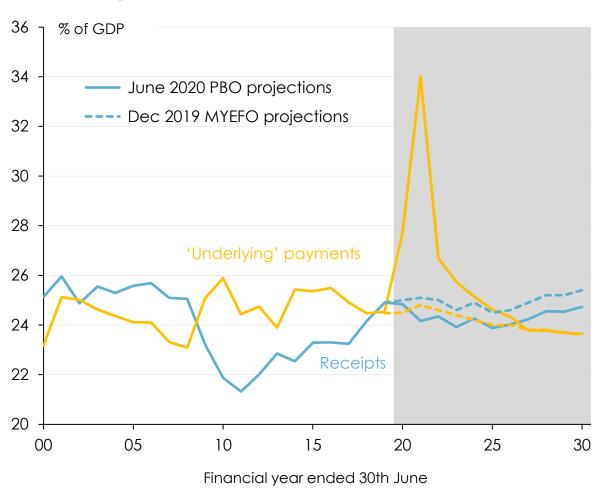


- □ Policy measures announced thus far by the Australian Government total \$180bn (allowing for the downward revision to the cost of JobKeeper), or about 9% of GDP which is large by international standards (and double what was done during the GFC)
- Principal objectives of policy measures are to
 - maximize the 'survival prospects' of businesses affected by the shutdown
 - minimize the impact of the shutdown on employment
 - provide additional income support to those who lose their jobs
 - strengthen the capacity of the health care system to cope with increased demand
- □ Policy measures have been designed to be 'simple' to administer, and to make greatest use of existing systems rather than having to create new mechanisms
 - which has resulted in some anomalies.
- Policy measures also designed to be readily 'switched off' once the need for them has passed
 - most of them scheduled to terminate at the end of September
 - which does create some risks of a 'setback' at that time

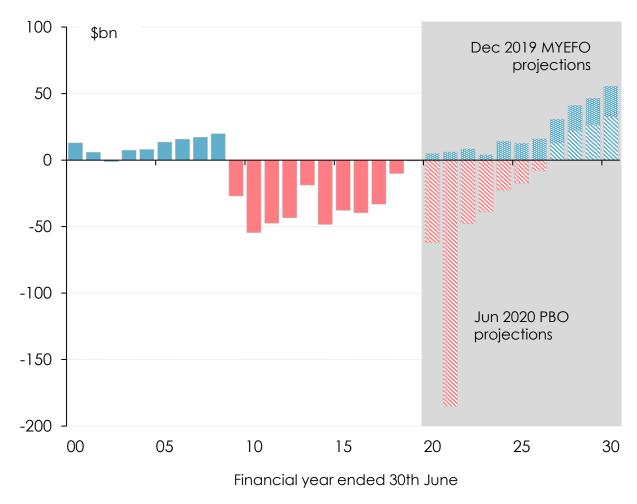


The deficit will blow out to over \$60bn in 2019-20, around \$185bn in 2020-21, and won't return to surplus until 2026-27 – but ...

Australian Government receipts and 'underlying' payments



Australian Government 'underlying' cash balance

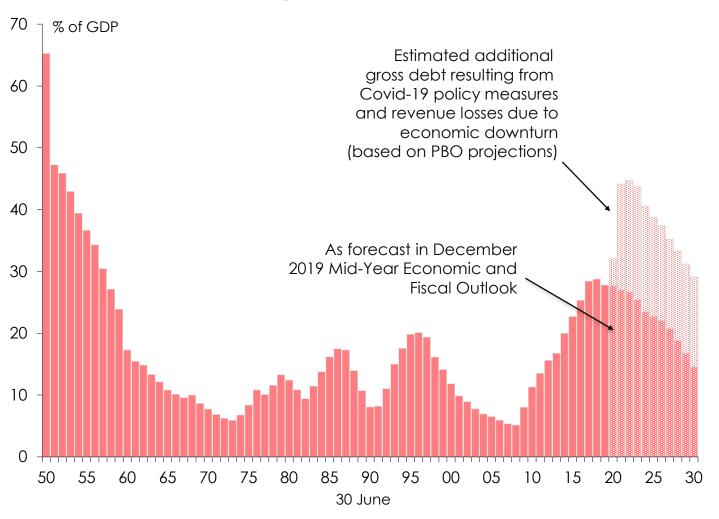


Note: 'Underlying' payments excludes net investment in financial assets for policy purposes. The 'underlying' cash balance also excludes net earnings of the Future Fund prior to 2020-21. Sources: Australian Government, Mid-Year Economic and Fiscal Outlook (MYEFO), December 2019; Parliamentary Budget Office (PBO), Mediumterm fiscal projections: impact of Covid-19 pandemic and response (5th June 2020). The PBO projections were compiled using the RBA's 'baseline' scenario outlined in its May 8th Statement on Monetary Policy for economic parameters.

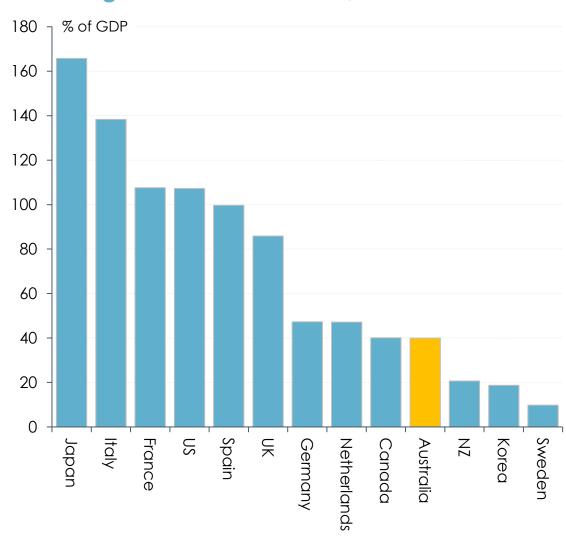


... there's no need for undue alarm at the level of debt which will be incurred by the Australian Government

Australian Government gross public debt



General government net debt, 2021

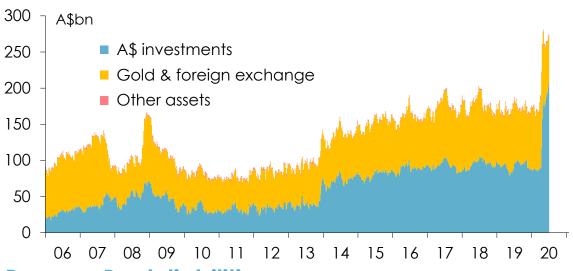


Note: Estimates of additional gross debt from 2019-20 onwards are derived by assuming that gross debt rises by the same dollar amount as net debt projected by the Parliamentary Budget Office in its 'baseline' scenario. Sources: Katrina Di Marco, Mitchell Pirie and Wilson Au-Yeung, A History of Public Debt in Australia (Australian Treasury, 2011); Australian Government, Mid-Year Economic and Fiscal Outlook (MYEFO), December 2019; Parliamentary Budget Office (PBO), Medium-term fiscal projections: impact of Covid-19 pandemic and response (5th June 2020); International Monetary Fund, Fiscal Monitor, April 2020.

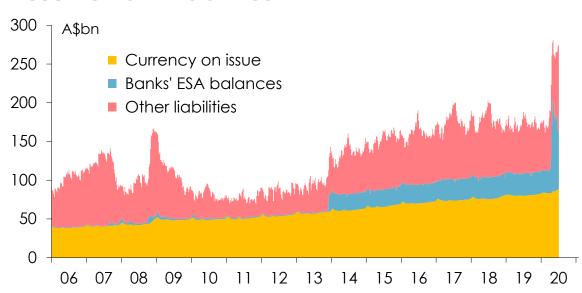


With official interest rates as low as they can go, the RBA has implemented a range of 'quantitative' monetary policy measures

Reserve Bank assets



Reserve Bank liabilities



- □ Cash rate cut to 0.25% which for practical reasons is the 'lower bound'
 - and RBA has committed to keeping it at this level for an extended period
- RBA has committed to purchase bonds in the secondary market with a view to keeping the 3-year yield at 0.25%
 - to date the RBA bond purchases amount to \$50bn
- ☐ RBA provided additional liquidity through 'open market operations' to prevent disruption of credit markets
 - RBA repo transactions now averaging less than \$1bn a day, down from peak of almost \$9½bn a day in 3rd week of March
- □ 'Term Funding Facility' to provide up to \$90bn at 0.25% pa to lending institutions for increased lending, especially to businesses with annual turnover of less than \$50mn
 - to date \$6.3bn has been provided through this facility
- Note the RBA is not 'printing money' (currency) in the Zimbabwe / Venezuela sense rather, the credit being created is ending up on the other side of the RBA's balance sheet in the form of larger bank Exchange Settlement Account (ESA) balances

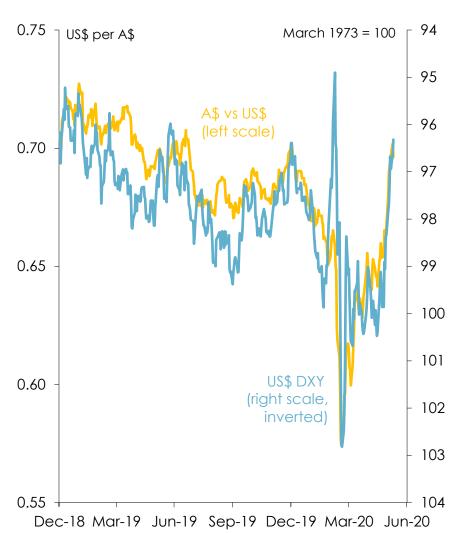
Source: Reserve Bank of Australia.

Higher iron ore prices, a much weaker US\$ and stronger investor risk appetites have pushed the A\$-US\$ back to almost US70¢

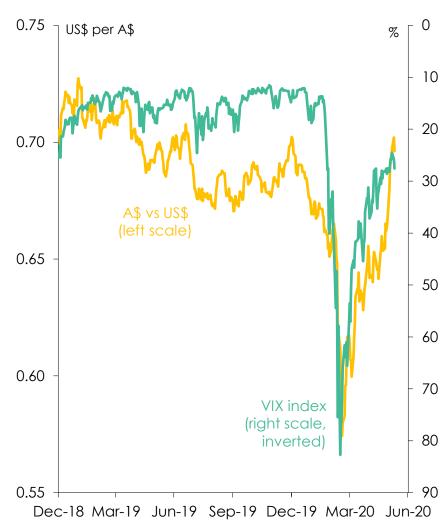


A\$-U\$\$ and iron ore prices





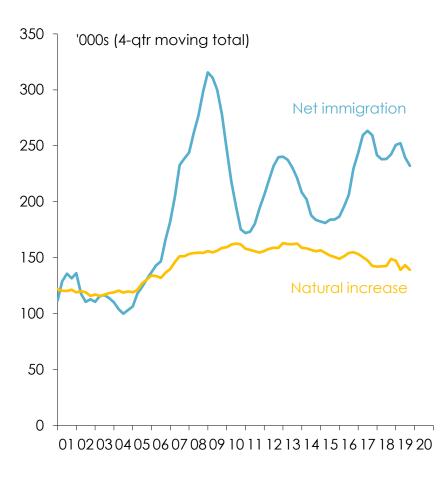
A\$-U\$\$ and U\$ equity market volatility



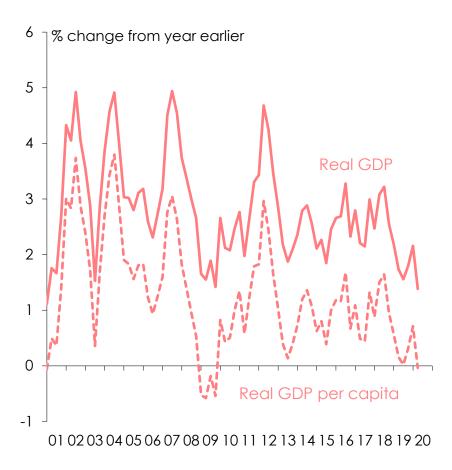


A sharply lower immigration intake will detract significantly from Australian economic growth

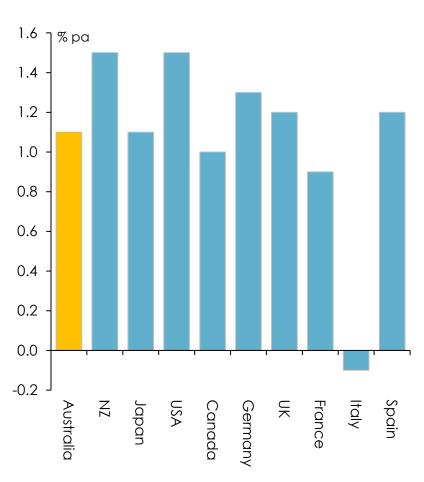
Sources of Australia's population growth



Australian GDP and per capita GDP growth



Real per capita GDP growth, 2010-2019

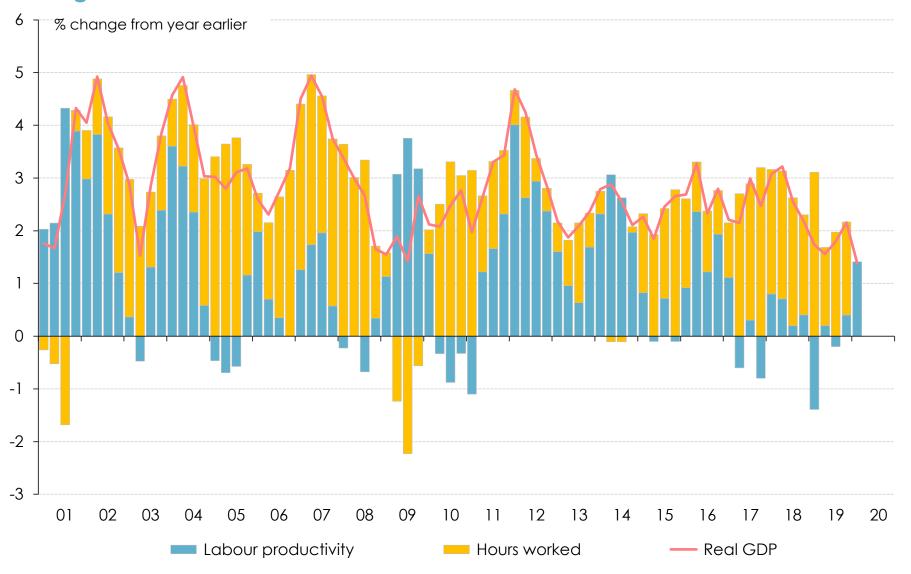


□ Treasury reportedly expects net overseas migration to fall by 30% in 2019-20 (ie to about 168,000) and by a further ~ 80% in 2020-21 (ie to about 36,000)



Australia has come to rely much more heavily on increased labour input to drive economic growth in recent years

Labour input and labour productivity contributions to Australian real GDP growth

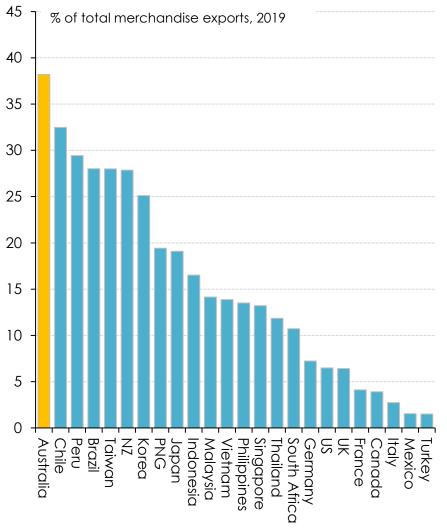


- Over the past five years, 72% of Australia's real GDP growth has come from increased labour input, and only 28% from labour productivity growth
- By contrast, between the end of the early 1990s recession and the onset of the global financial crisis, 46% of Australia's real GDP growth came from increased labour input and 54% from productivity growth

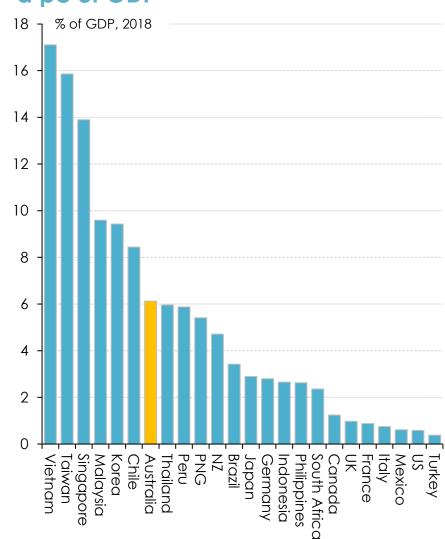


Australia has benefited enormously from its economic relationship with China over the past 25 years, but will that continue to be the case?

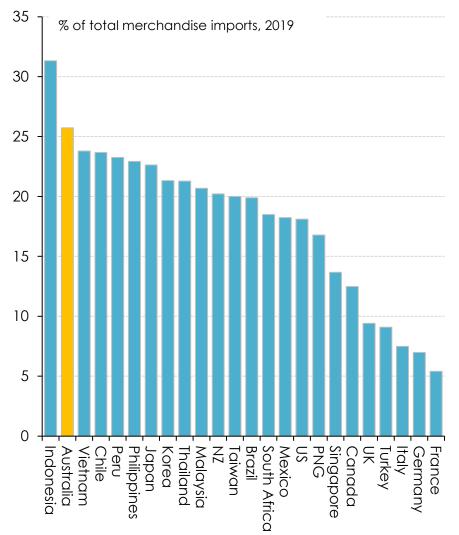
Merchandise exports to China as a pc of total



Merchandise exports to China as a pc of GDP



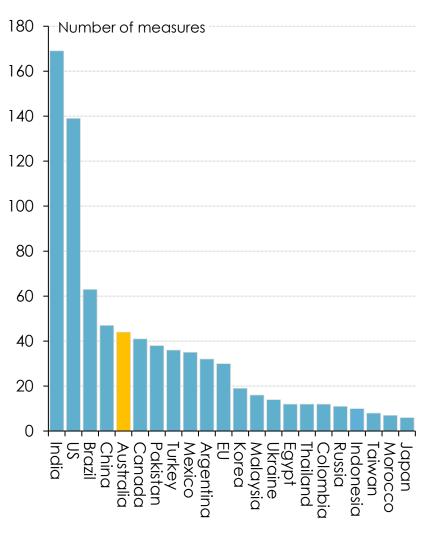
Merchandise imports from China as a pc of total



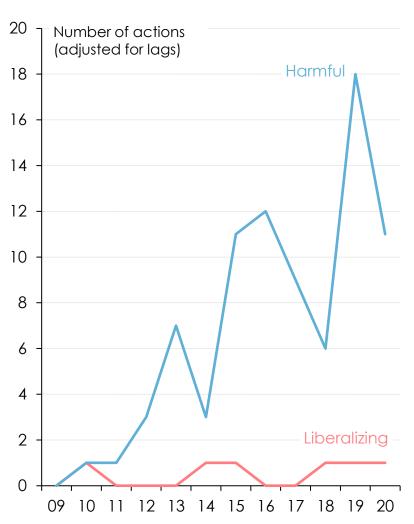


China's actions against Australian exports of barley, beef, coal and iron ore aren't justified, but we aren't complete innocents either

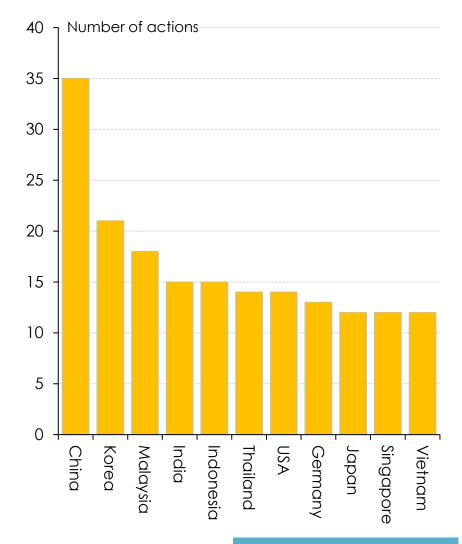
Number of anti-dumping measures imposed, 2015-19



Australian trade policy measures since 2009



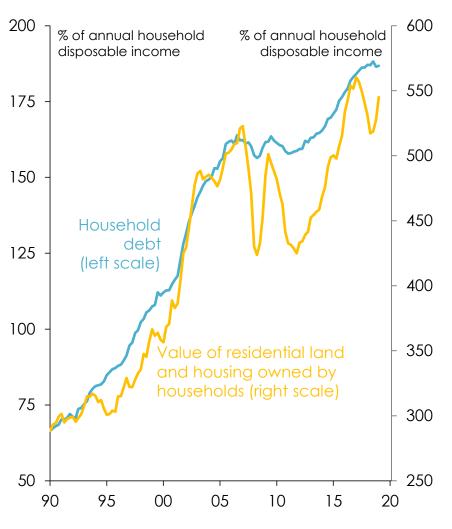
Countries adversely affected by 'harmful' Australian trade actions



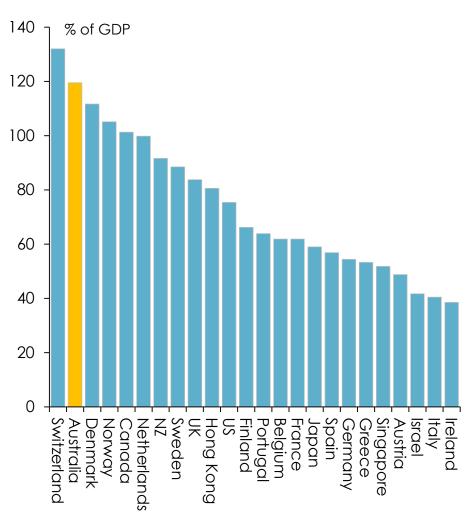


Rising property prices and household debt are unlikely to underpin Australian economic growth as they have done for most of the past 30 years

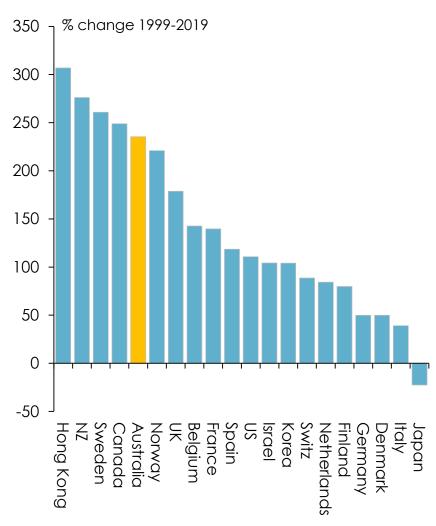
Australian housing wealth and household debt



Household debt as a pc of GDP, December 2019



Increase in residential property prices, 1999-2019

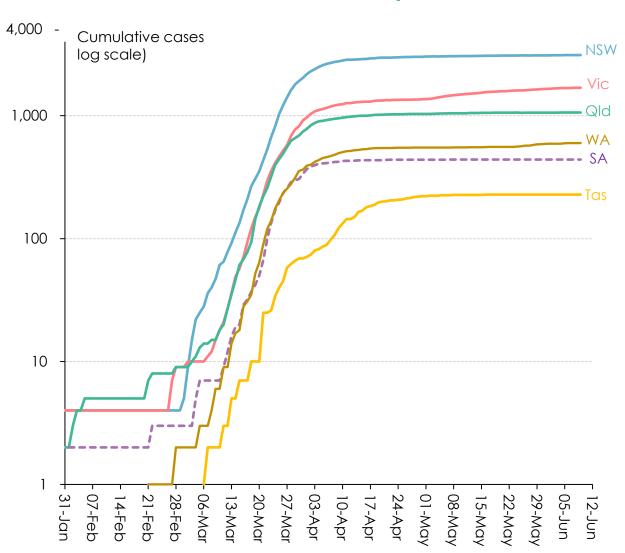




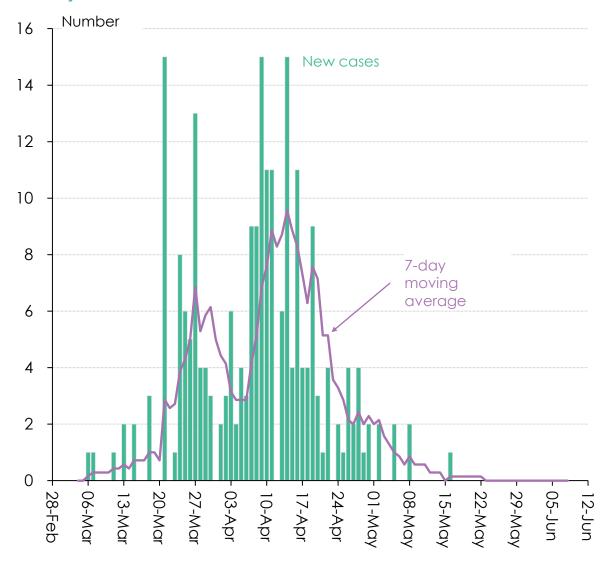
Tasmania

Tasmania, along with other states, seems now to have succeeded in stopping the spread of Covid-19 ...

Cumulative confirmed cases, by State



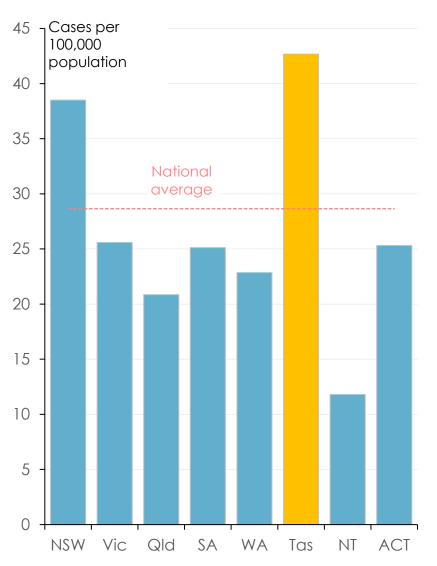
Daily new cases, Tasmania



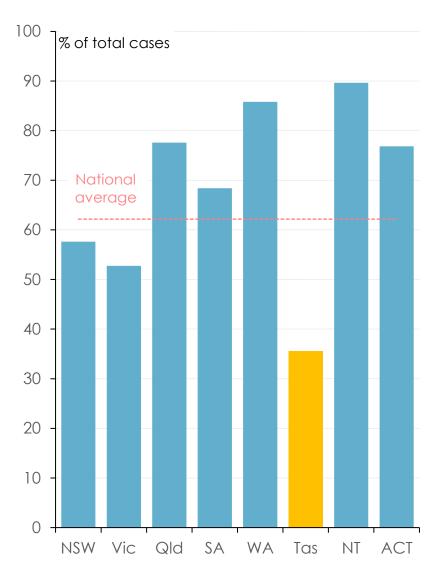


... but our experience of Covid-19 has been tougher than that of other states and territories

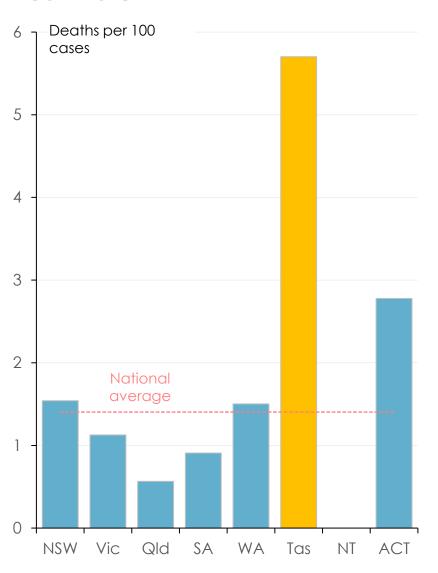
Cases per 100,000 population



Overseas transmissions



Death rate

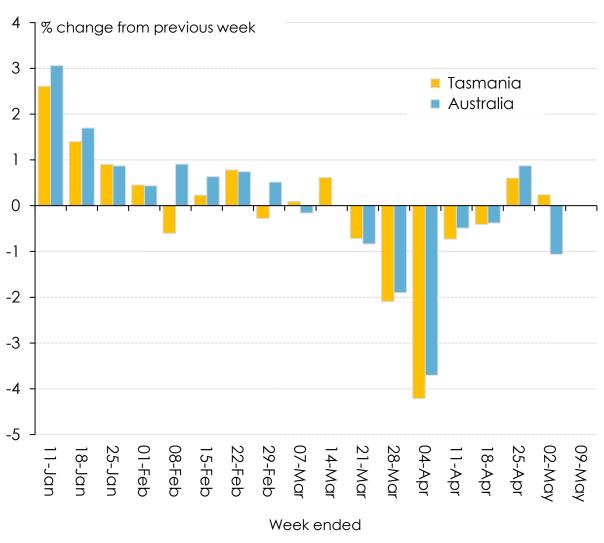




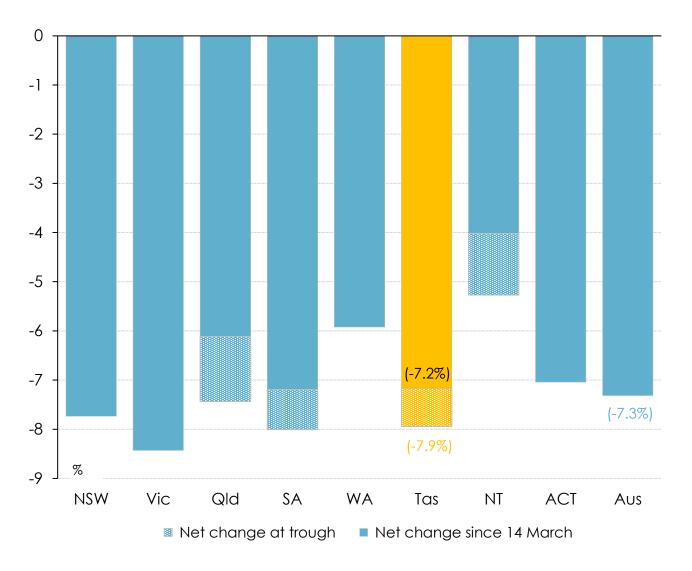


The ABS' weekly payroll jobs series suggests that employment has been picking up in Tasmania since late April

Weekly change in payroll jobs



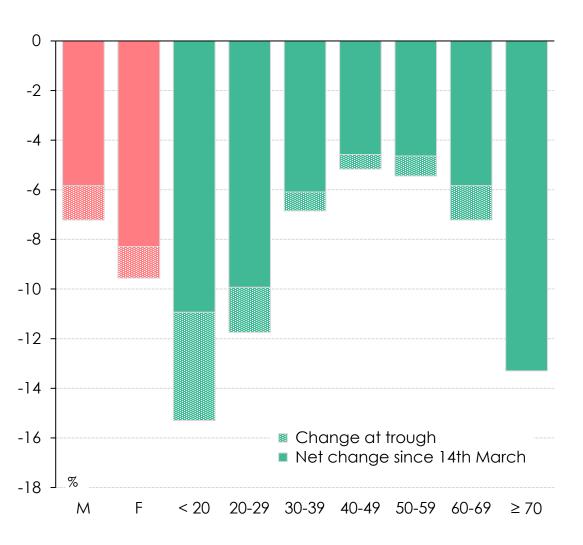
Change in payroll employment since 14th March



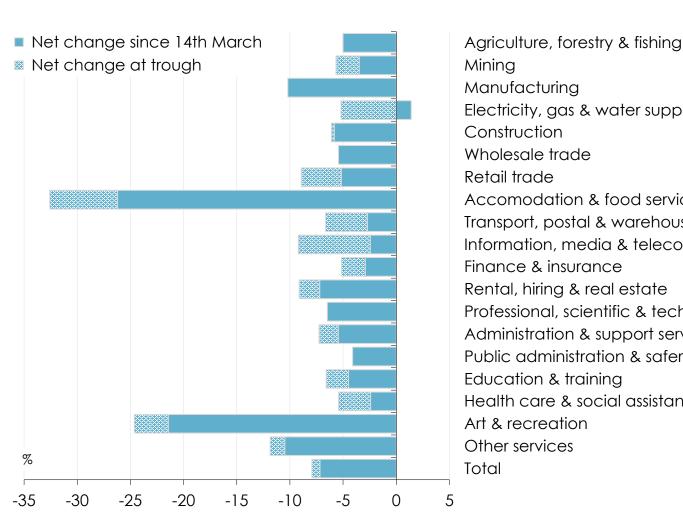


Job losses have been relatively greater for women and young people, largely reflecting their representation in the hardest-hit sectors

Change in payroll employment in Tasmania since 14th March, by gender and age group



Change in payroll employment in Tasmania since 14th March, by industry



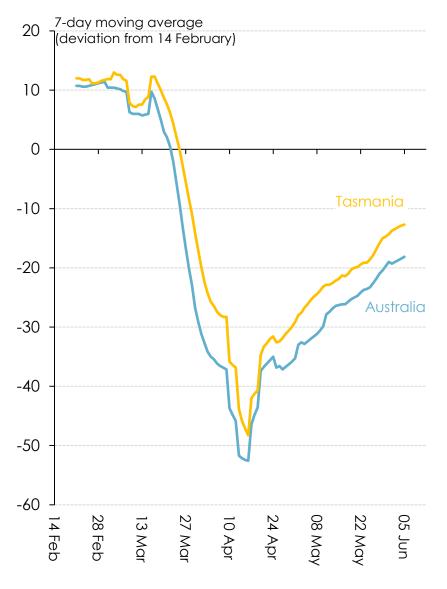
Mining Manufacturina Electricity, gas & water supply Construction Wholesale trade Retail trade Accomodation & food services Transport, postal & warehousing Information, media & telecoms Finance & insurance Rental, hiring & real estate Professional, scientific & tech svces Administration & support services Public administration & saferty Education & training Health care & social assistance Art & recreation Other services Total

Note: data up to week ended 2nd May. 14th March was the date on which Australia recorded its 100th confirmed case of Covid-19. 'Trough' refers to the week in which employment reached its lowest level, which for Tasmania was the week ended 18th April. Source: ABS.

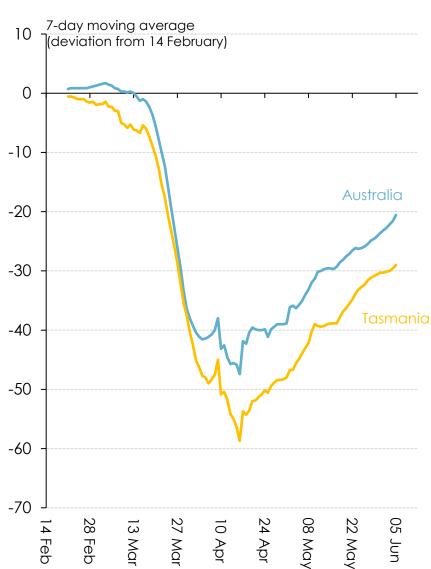


Mobility data suggest that Tasmanians have been returning to normal at about the same pace as other Australians

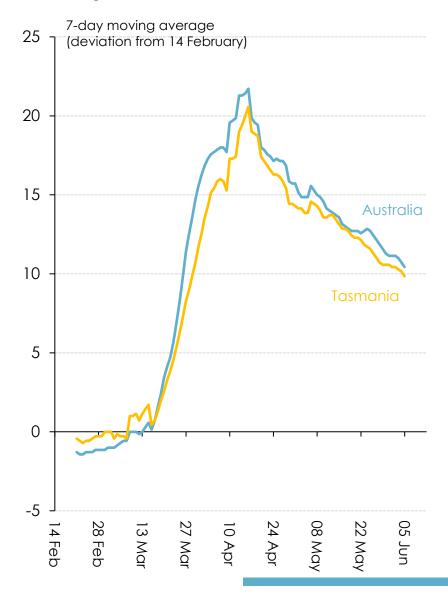
Time spent in work places



Time spent on retail & recreation



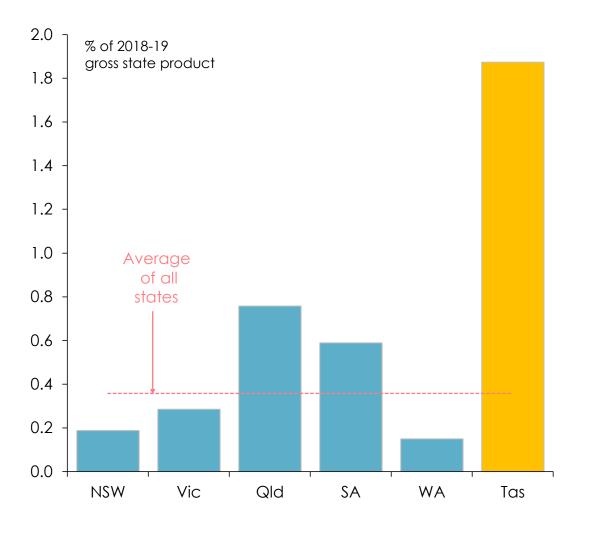
Time spent at home



Source: Google Covid-19 Community Mobility Reports (data up to 5th June).

The Tasmanian Government has been relatively more generous than other states and territories in supporting households and businesses

State & territory Covid-19 support and response measures as a pc of gross state product



Selected Tasmanian Government economic and social support measures

- Rent relief for 11,500 social housing tenants (cost ~ \$7mn)
- Ban on private rent increases until 30th June and 90-day moratorium on evictions
- □ \$513K for additional services to youth at risk of homelessness
- Payments totalling \$221K to 652 temporary visa holders
- School levy relief to 11,300 eligible parents (cost \$9mn)
- An additional \$2.2mn for programs supporting victims of family and domestic violence
- ☐ Waiver of 3 months' electricity water bills for around 34,000 small businesses (cost ~ \$50mn)
- □ Payroll tax relief for small businesses and employers in the hospitality, tourism and seafood industries (cost \$11½mn to date)
- Land tax waiver or deferral for commercial property owners impacted by restrictions or experiencing financial hardship
- Grants and interest free loans to small businesses
- Loans to Councils for infrastructure projects and rate relief (over \$110mn in loans applied for)
- ☐ Taxi licence fees waived for 2020-21 (cost \$240K)
- ☐ Subsidized training for 150 Tasmanians who have lost jobs



No-one should be unduly alarmed by the increase in State Government debt, especially while interest rates remain at record lows

Tasmanian 'general government' net debt

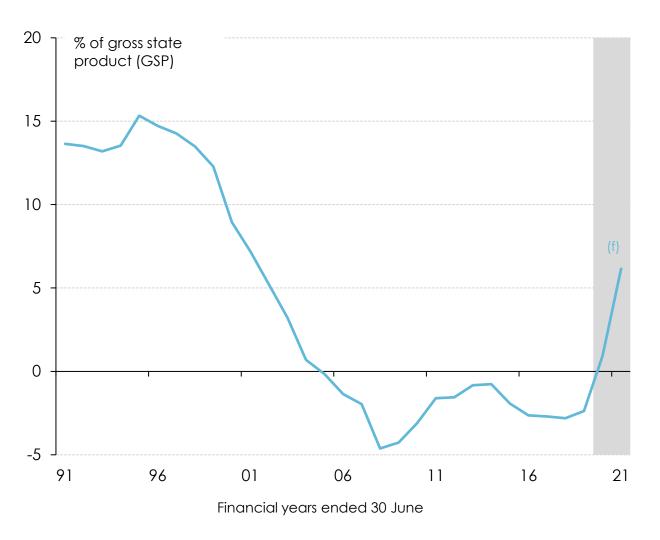


Table 4.2: General Government Income Statement

| | | Original | Revised | | |
|----------------------------------|---|---|---|--|--|
| Original | 2019-20 | 2020-21 | 2020-21 | | |
| 2019-20 | Estimated | Forward | Forward | | |
| Budget | Outcome | Estimate | Estimate | | |
| \$m | \$m | \$m | \$m | | |
| | | | | | |
| 3 973.3 | 3 686.9 | 4 075.4 | 3 846.5 | | |
| 1 215.5 | 1 139.2 | 1 251.6 | 968.4 | | |
| 416.0 | 404.6 | 421.3 | 423.0 | | |
| 103.1 | 100.7 | 104.3 | 99.2 | | |
| 16.8 | 18.7 | 16.6 | 16.2 | | |
| | | | | | |
| Gov't expects to spend less on | | | | | |
| interest despite having more deb | | | | | |
| | 1 | | | | |
| 2 675.1 | 2 81 4.9 | 2 712.9 | 2 858.6 | | |
| 305.1 | 370.9 | 303.3 | 302.0 | | |
| 329.4 | 340.5 | 352.0 | 363.8 | | |
| 1 293.8 | 1 302.8 | 1 277.4 | 1 286.7 | | |
| 2713 | 180.1 | 274.4 | 263.4 | | |
| 14.1 | 9.3 | 23.7 | 21.8 | | |
| | 6/9.6 | 424.6 | 1 611.3 | | |
| 461.2 | 1 0/7.0 | 1 424.0 | | | |
| 1 461.2 (0.7) | 47.6 | (55.8) | | | |
| | | | | | |
| - | 2019-20 Budget \$m 3 973.3 1 215.5 416.0 103.1 16.8 Gov't exinterest 2 675.1 305.1 329.4 1 293.8 271.3 | 2019-20 Budget \$m \$m \$m \$ \$m \$ \$m \$ \$m \$ \$m \$ \$m \$ \$ \$ \$ | Original 2019-20 2020-21 2019-20 Estimated Forward Budget Outcome Estimate \$m \$m \$m \$m 3 973.3 | | |

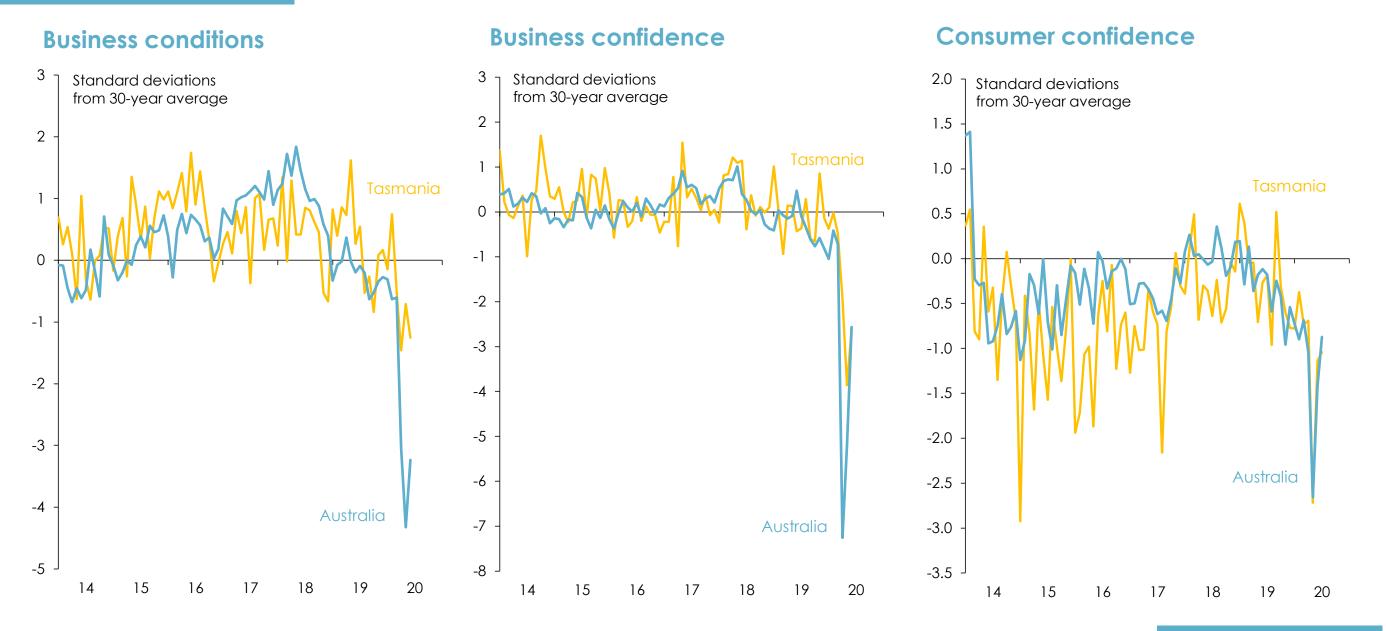
Tasmania's economy was doing well, by most measures, heading into this downturn – but that doesn't guarantee a more rapid recovery



Note: 'State final demand' is the sum of spending by households, businesses and governments Sources: ABS; NAB; FCAI; CoreLogic.



Business and consumer confidence are no higher, relative to long-run averages, in Tasmania than they are for Australia as a whole



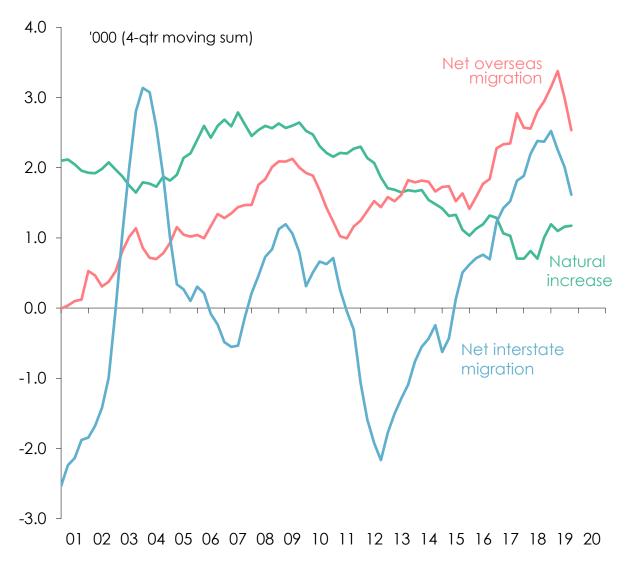


The improvement in Tasmania's economic performance in recent years owed a lot to the pick-up in migration – will that resume, and when?

Population growth, Tasmania and Australia



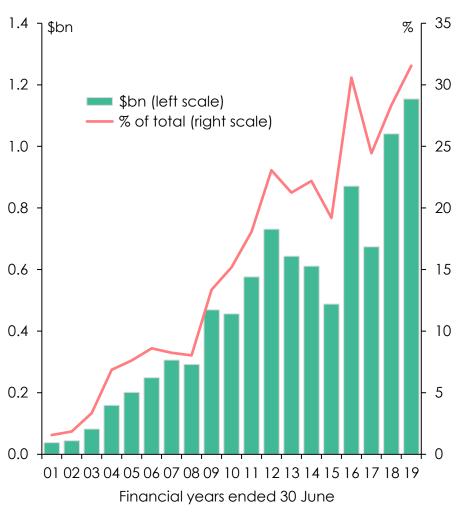
Sources of Tasmania's population growth



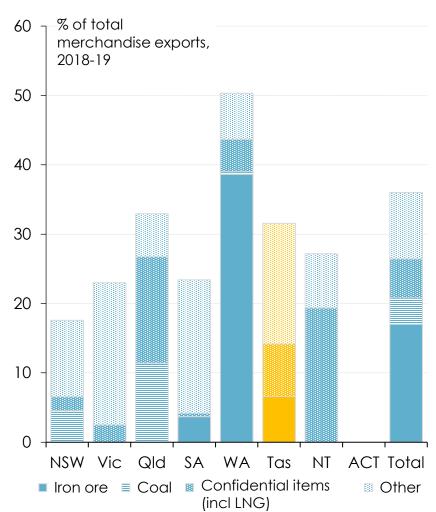


China takes almost 30% of Tasmania's exports, although that still represents less than 5% of Tasmania's gross product

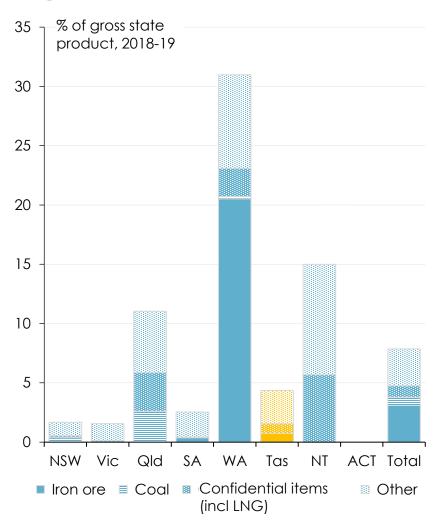
Tasmania's goods exports to China



Goods exports to China as a pc of exports of goods



Goods exports to China as a pc of gross state product





Some of Tasmania's exports are heavily dependent on the Chinese market; others have very little exposure to China

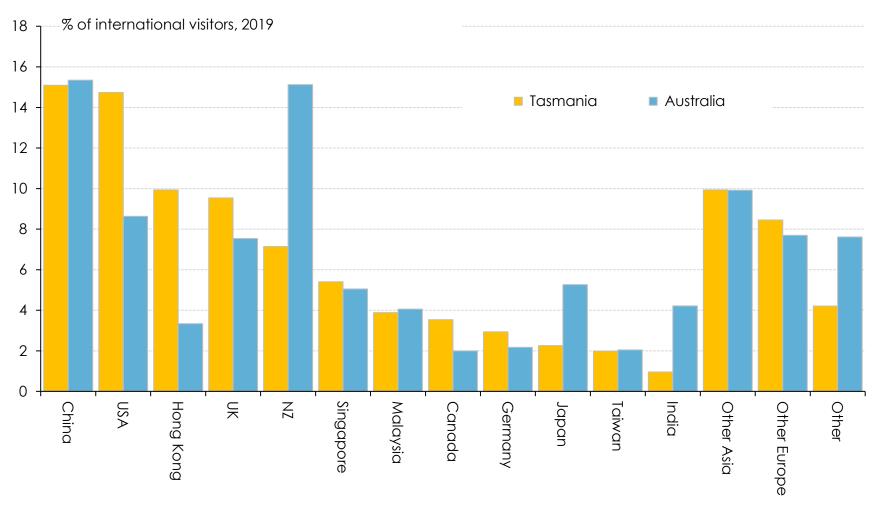
China's share of Tasmania's most important exports (of goods)

| | Total | Total exports | | Exports to China | |
|-------------------------|---------|---------------|---------|------------------|---------|
| Item | | | | | |
| | \$mn | % | \$mn | % | of toto |
| Zinc | 809.4 | 22.5 | 100.0 | 8.1 | 12. |
| Aluminium | 523.1 | 14.5 | 11.1 | 0.9 | 2. |
| Confidential items | 383.9 | 10.7 | 284.3 | 23.0 | 74. |
| Iron ore | 359.7 | 10.0 | 317.6 | 25.7 | 88 |
| Seafood | 239.3 | 6.7 | 182.7 | 14.8 | 76 |
| Other ores | 231.8 | 6.4 | 129.1 | 10.5 | 55 |
| Beef | 219.7 | 6.1 | 15.7 | 1.3 | 7 |
| Dairy products | 138.7 | 3.9 | 1.0 | 0.1 | 0 |
| Rough wood | 64.1 | 1.8 | 44.2 | 3.6 | 69 |
| Precious metal ores | 62.4 | 1.7 | 62.4 | 5.1 | 100 |
| Paper & paperboard | 58.0 | 1.6 | 16.3 | 1.3 | 28 |
| Vegetables | 47.9 | 1.3 | 0.1 | 0.0 | 0 |
| Animal feed | 41.3 | 1.1 | 0.2 | 0.0 | 0 |
| Fruit & nuts | 35.7 | 1.0 | 9.5 | 8.0 | 26 |
| Other meat | 32.4 | 0.9 | 0.3 | 0.0 | 1 |
| Chocolate | 24.8 | 0.7 | 0.0 | 0.0 | 0 |
| Pharmaceutical products | 24.5 | 0.7 | 2.2 | 0.2 | 9 |
| Wool | 18.4 | 0.5 | 14.7 | 1.2 | 80 |
| Other | 281.7 | 7.8 | 43.6 | 3.5 | 15 |
| Total | 3,597.1 | 100.0 | 1,235.0 | 100.0 | 34 |

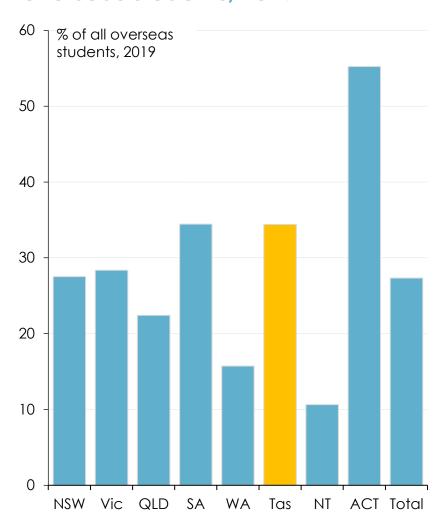


Tasmania is no less dependent on China for overseas tourists than the national average, and more dependent on China for overseas students

Origin of international visitors, Tasmania and Australia, 2019



Chinese students as a pc of all overseas students, 2019

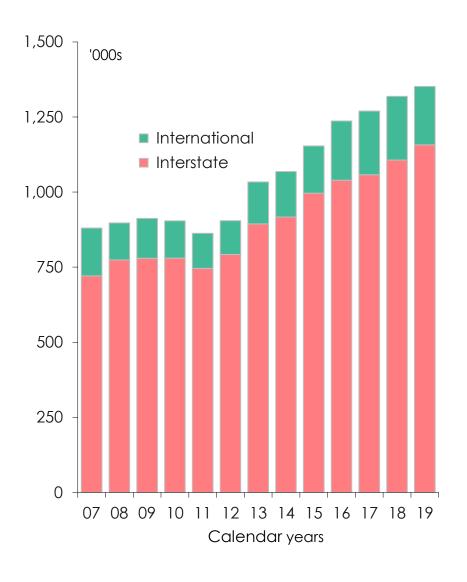


Note: 'Overseas students' includes higher education, VET, ELICOS (English Language Intensive Course of Study), school and non-award students. Sources: Tourism Tasmania, Tourism Snapshot, December 2019; ABS; (Australian) Department of Education.

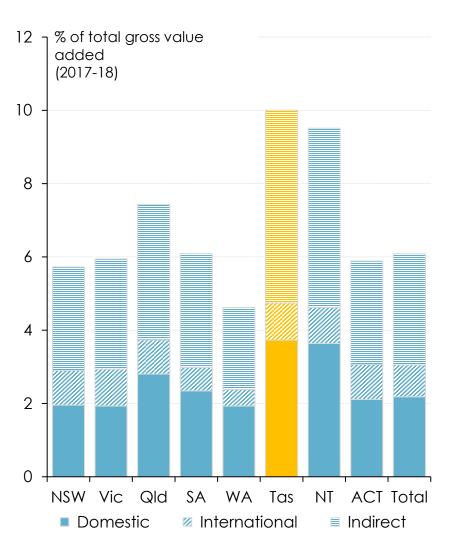


Tourism is a big part of Tasmania's economy, and had slowed over the past two years – how long before it comes back?

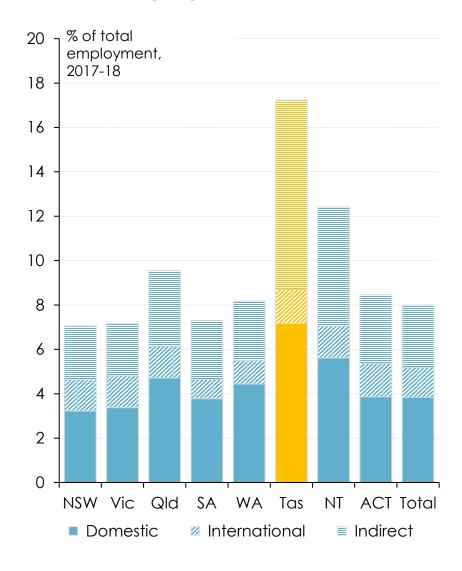
Visitors to Tasmania



Tourism gross value added



Tourism employment





This document has been prepared by Saul Eslake on behalf of Corinna Economic Advisory Pty Ltd, ABN 165 668 058 69, whose registered office is located at Level 11, 114 William Street, Melbourne, Victoria 3000 Australia.

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