THE TASMANIAN ECONOMY AND THE PATH TO RECOVERY

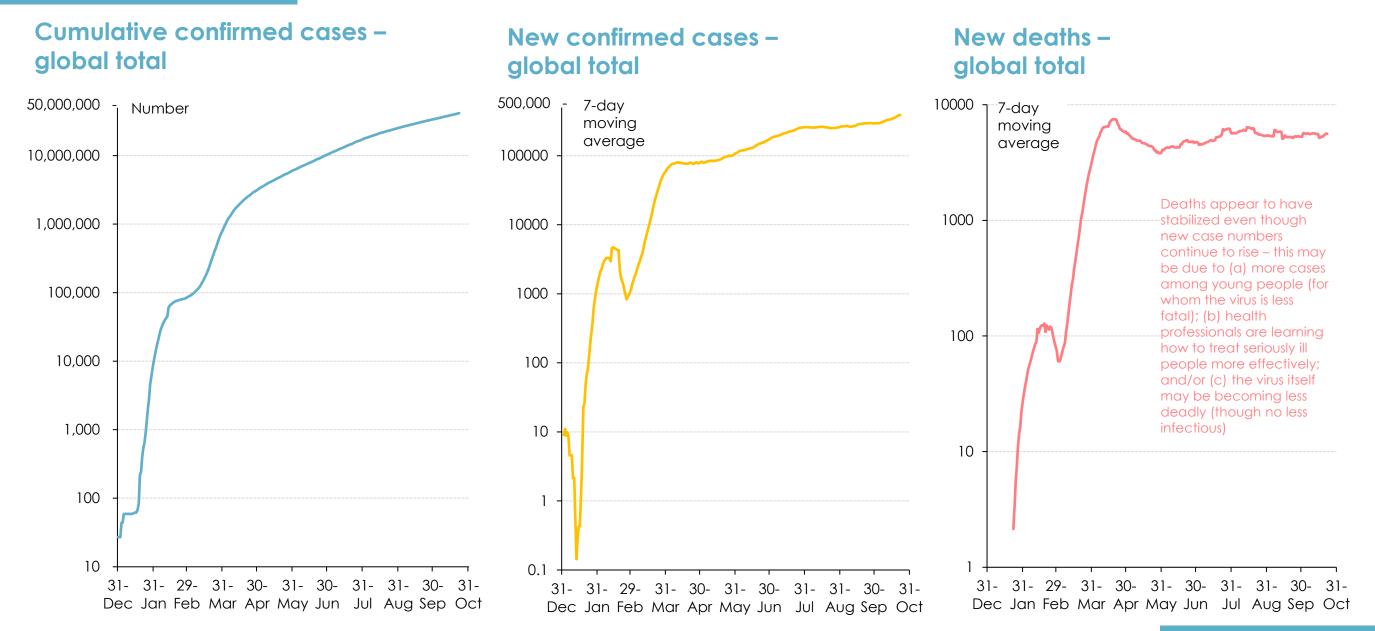
PRESENTATION TO THE TASMANIAN GOVERNANCE FORUM

CROWNE PLAZA HOTEL, HOBART 26TH OCTOBER 2020



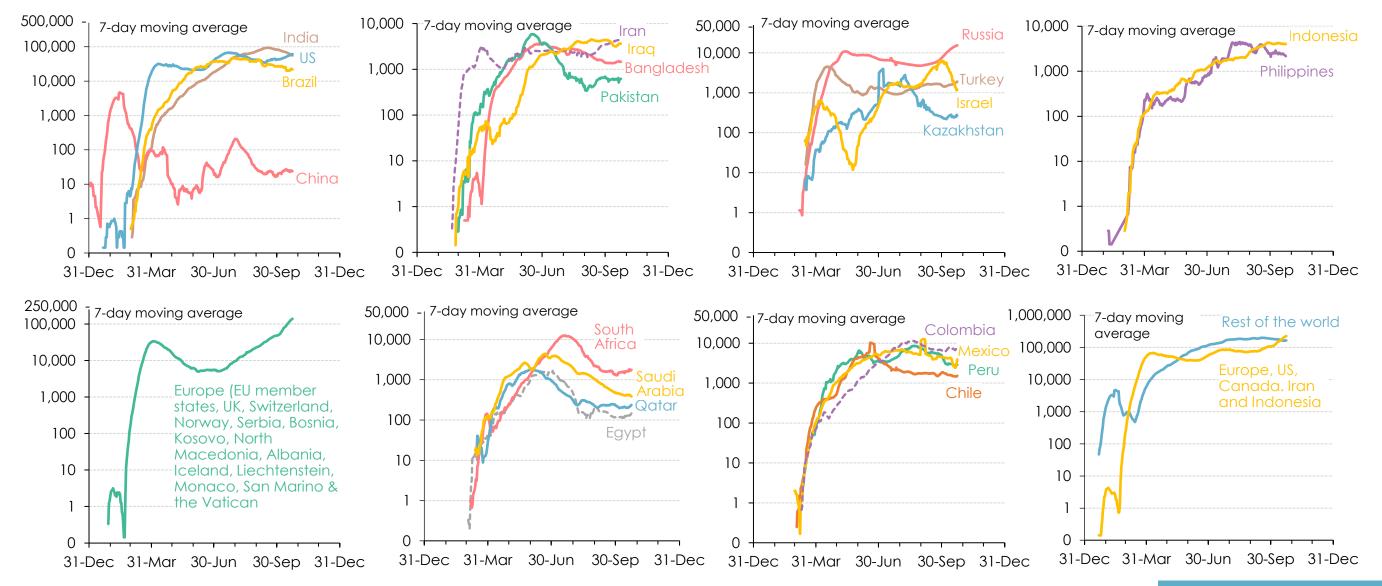
The virus

Over the past week there've been almost 2¾mn new cases (a record), taking the cumulative total to 41¾mn – although the fatality rate is declining



35% of new cases are now in Europe, 16% in the US and 6% in Russia, Iran & Indonesia: another 14% are in India & $5\frac{1}{2}$ % in Brazil, but they're now falling

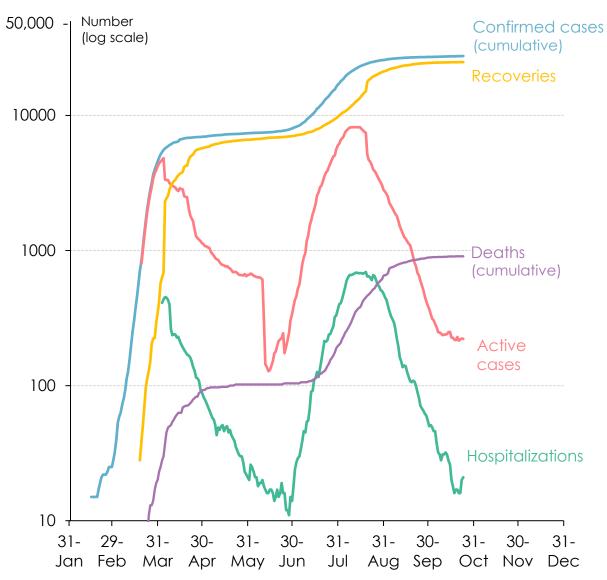
Daily new cases – selected countries with large populations and/or rapid growth in cases



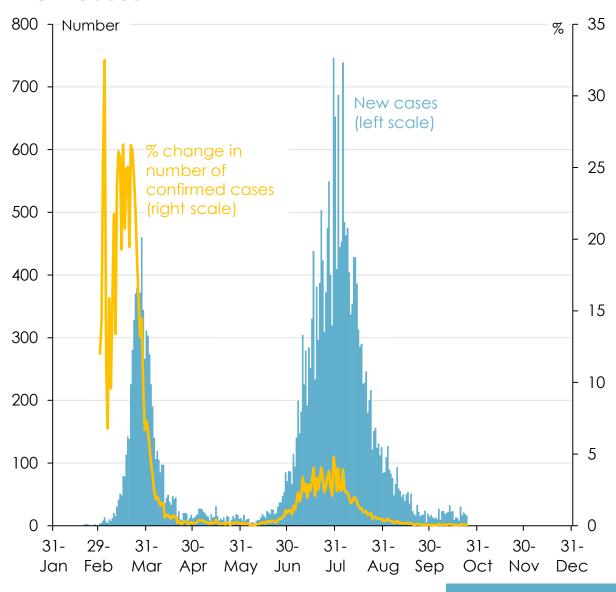


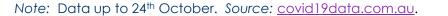
Australia's 'second wave' of infections is now over

Cases, recoveries, hospitalizations and deaths



New cases

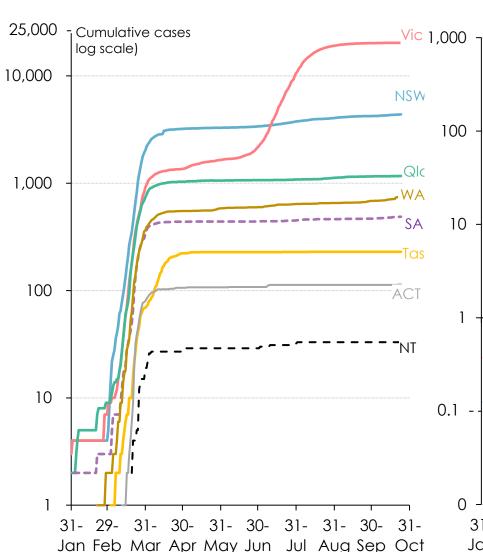




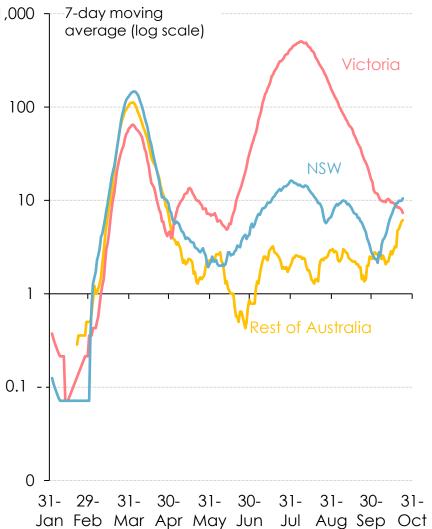


Victoria's new cases have declined to an average of 7 a day, while NSW's have risen to 11, and WA's have also crept higher

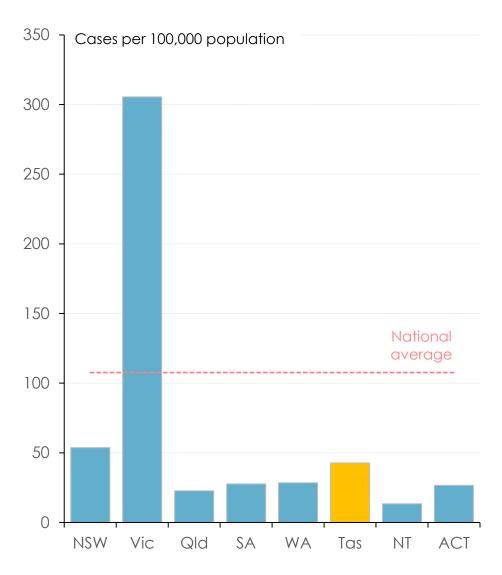
Cumulative cases, by State

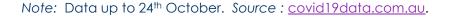


New cases



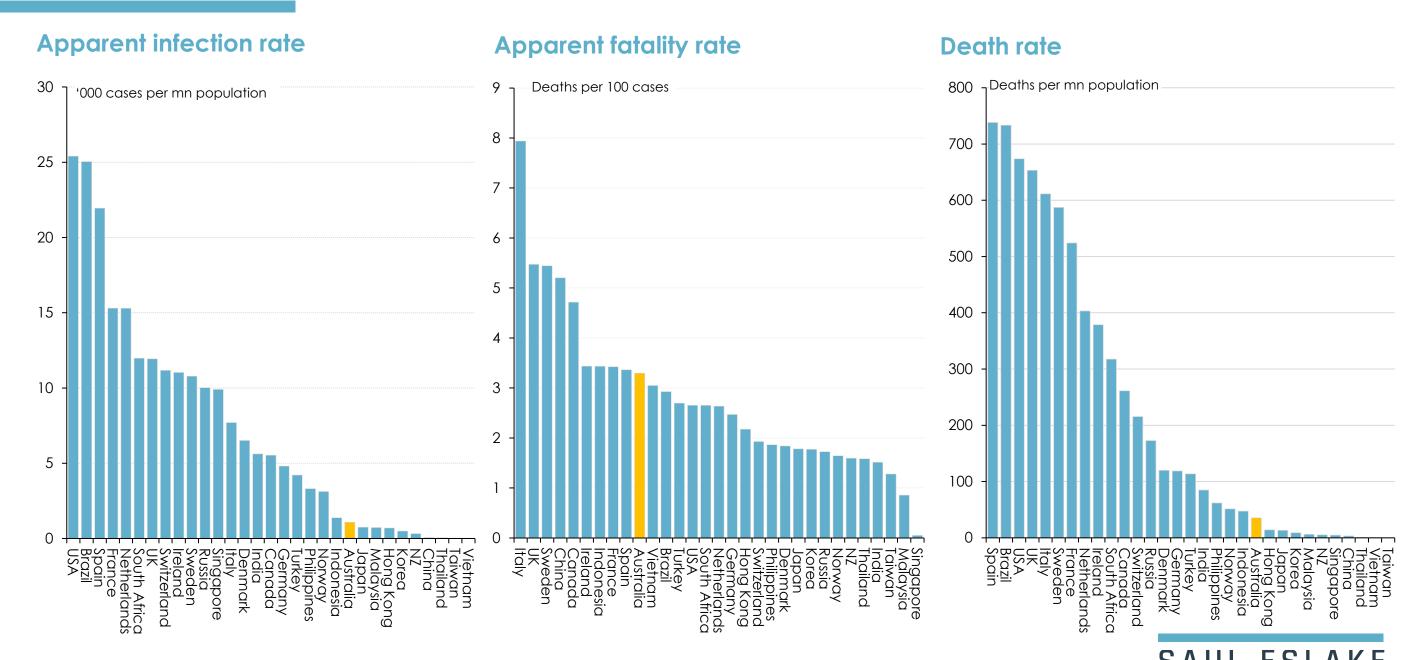
Cases per 100,000 population







Australia's infection and death rates remain, along with NZ's and most East Asian countries', low by international standards

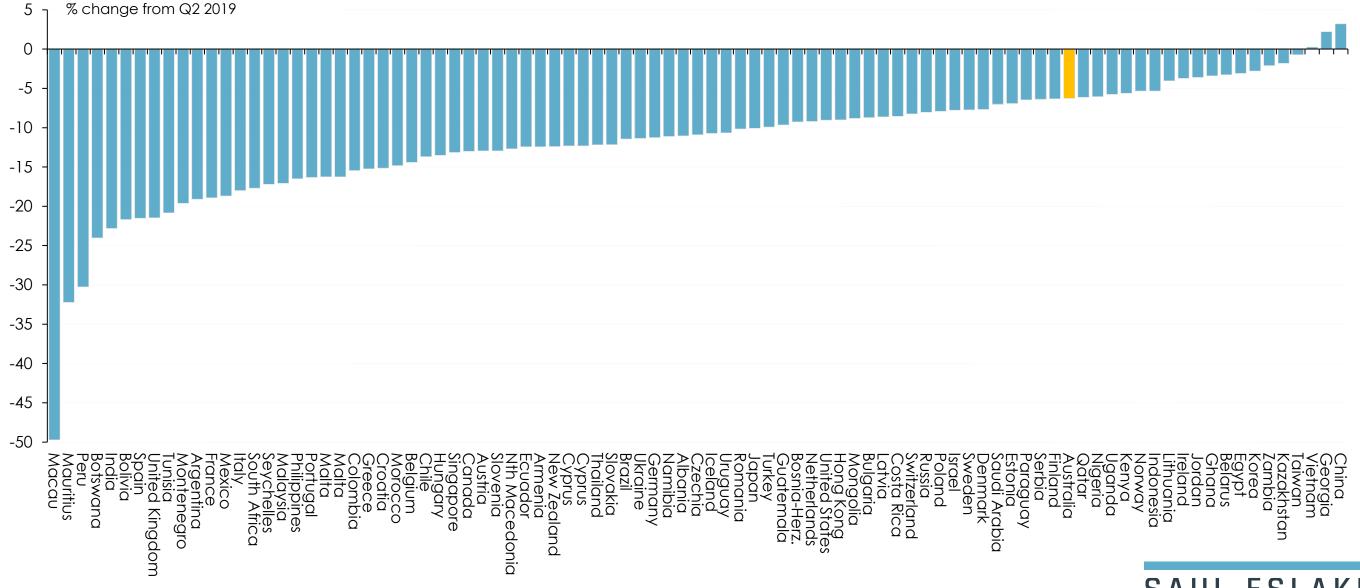


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The world economy

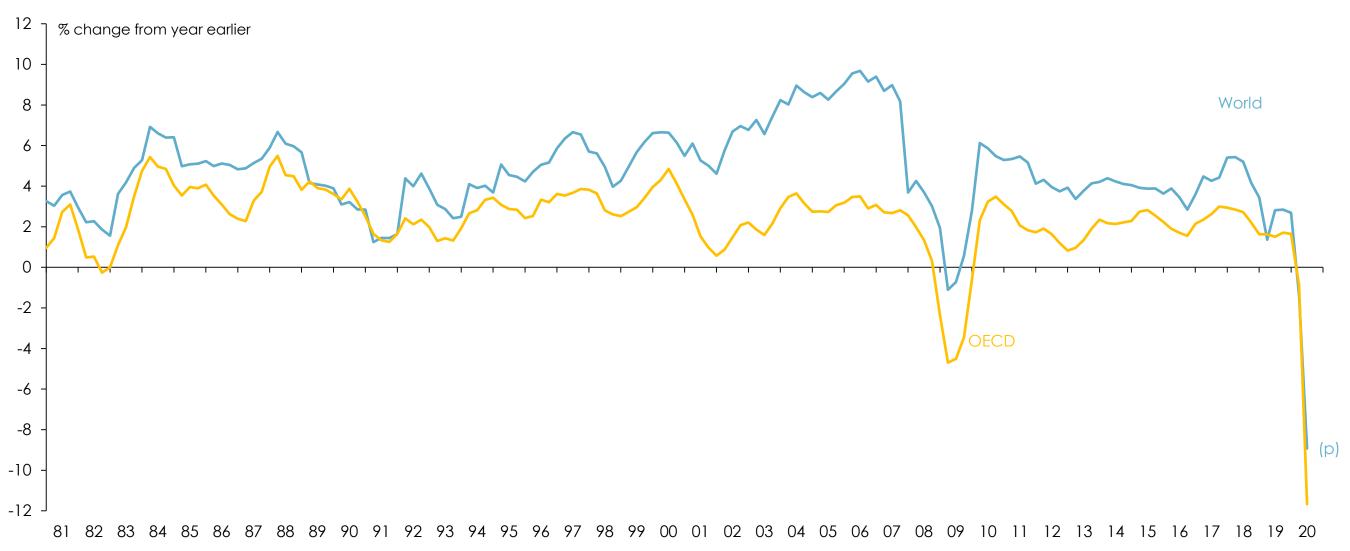
Of the 91 economies which have reported Q2 GDP data so far, 9 have reported contractions of more than 20% and only 3 have reported growth

Real GDP growth over the year to Q2 2020



The world economy experienced has contracted by about 9%, and the OECD area economy by 11%%, over the year to Q2

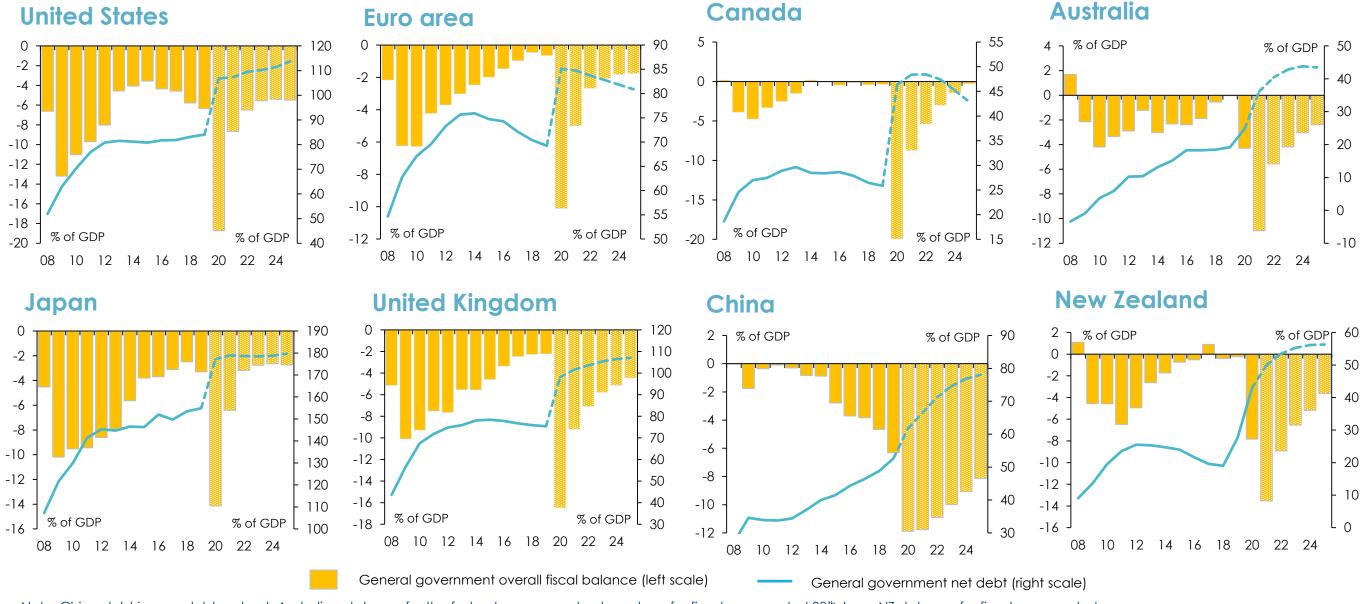
World and OECD area real GDP growth



Note: Estimates of global GDP growth compiled by Corinna using data for 100 countries accounting for 94% of 2019 world GDP as measured by the IMF, weighted in accordance with each country's share of global GDP at purchasing power parities in 2019.; excludes constituents of the former USSR before 1993, the former Czechoslovakia before 1995, and the former Yugoslavia before 1998. (p) Estimate for Q2 is a preliminary estimate based on published results for the 91 countries shown in the previous slide. Sources: national statistical agencies and central banks; Eurostat; OECD; IMF; Corinna.



Every government is doing more by way of fiscal stimulus than during the financial crisis – and the US, Canada and the UK are doing more than most

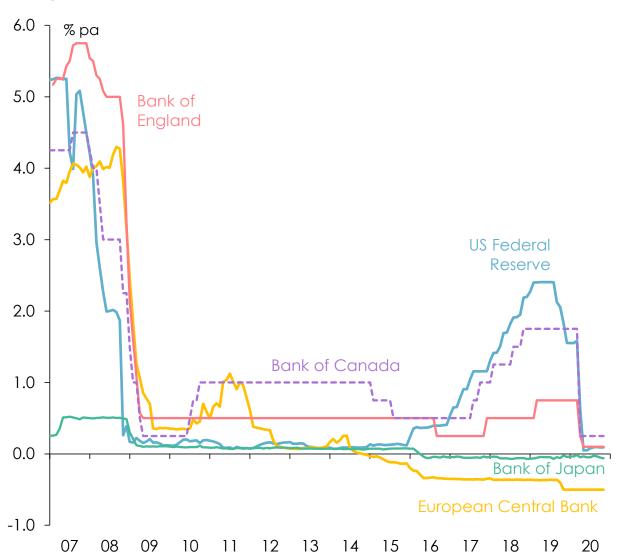


Note: China debt is gross debt, not net; Australian data are for the federal government only and are for fiscal years ended 30th June; NZ data are for fiscal years ended 31st March. Sources: International Monetary Fund, Fiscal Monitor, and World Economic Outlook, October 2020; Australian Government, 2020-21 Budget Paper No. 1, October 2020; New Zealand Treasury, Pre-Election Economic and Fiscal Update, September 2020.

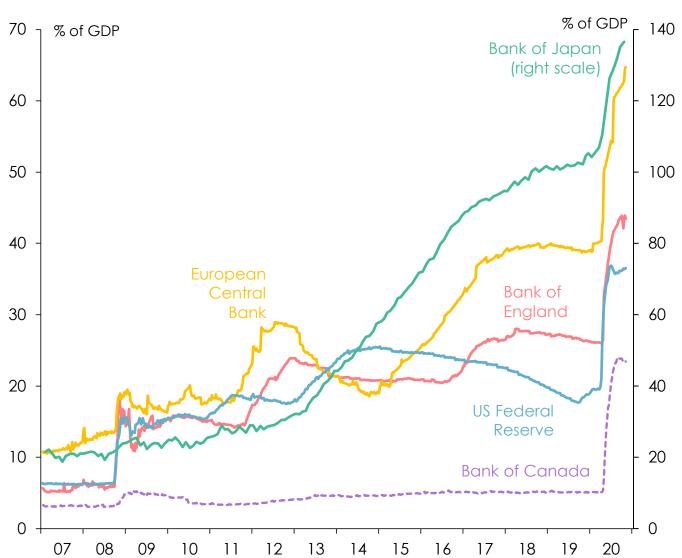


Major central banks have cut interest rates to record lows, and done more 'quantitative easing' than during the global financial crisis

Major central bank policy interest rates



Major central bank balance sheets

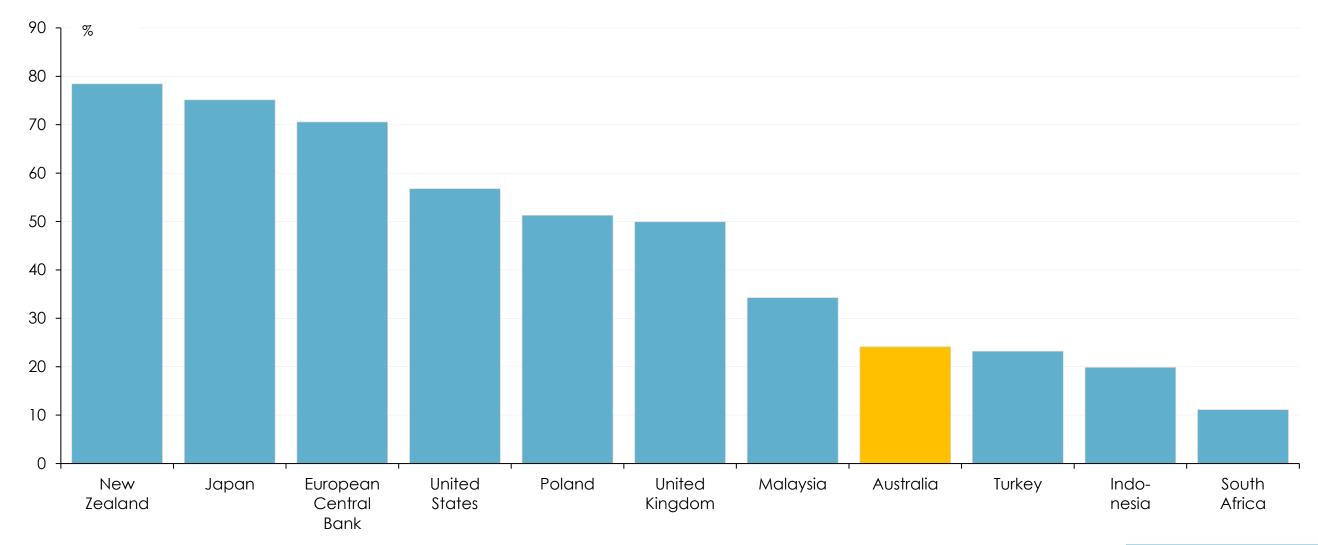


Sources: <u>US Federal Reserve</u>; <u>European Central Bank</u>; <u>Bank of Japan</u>; <u>Bank of England</u>; <u>Bank of Canada</u>; national statistical agencies; Corinna.



Australia's Reserve Bank has done less government bond-buying than most of its sister central banks

Central bank purchases of national government marketable securities or debt, as a percentage of total gross issuance, since end-February 2020



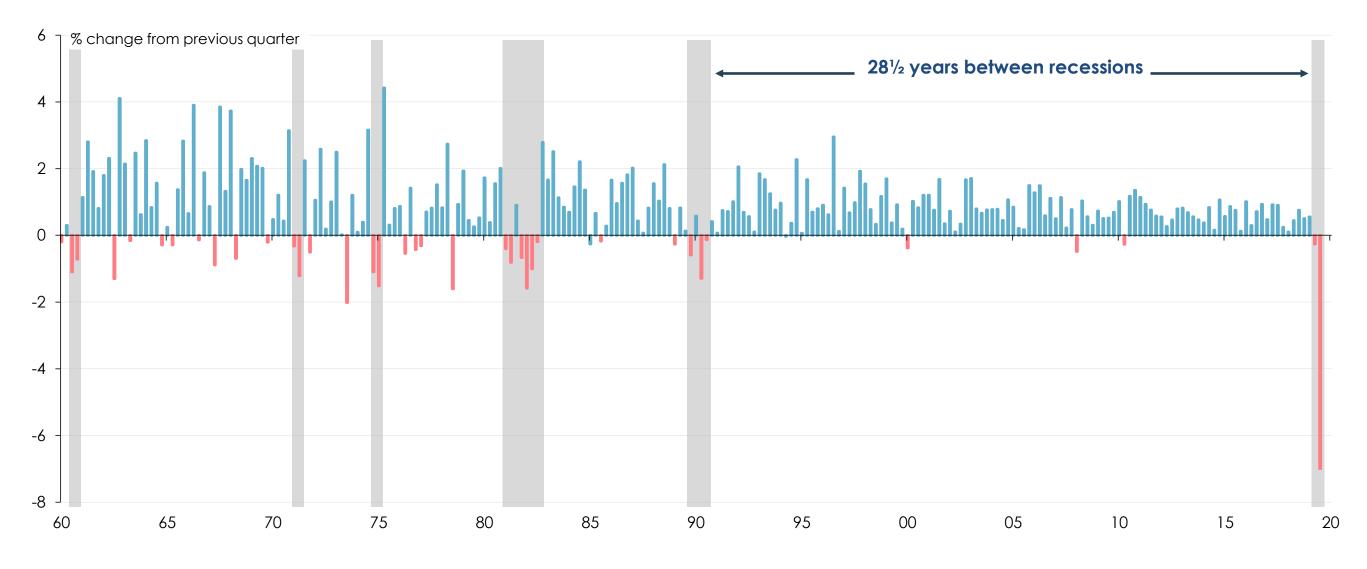
Sources: IMF, <u>Fiscal Monitor</u>, October 2020; and for Australia and New Zealand, calculations by Corinna using data sourced from <u>Australian Office of Financial</u> <u>Management (AOFM)</u>, <u>Reserve Bank of Australia</u>, <u>New Zealand Treasury</u> and <u>Reserve Bank of New Zealand</u> (excludes purchases and issuance of Treasury notes).



The Australian economy

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

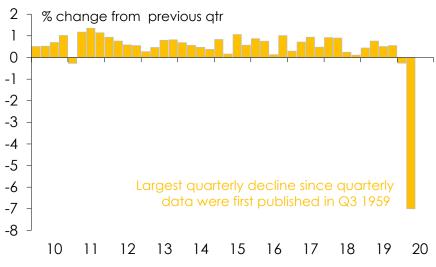
Quarterly growth in Australian real GDP, 1960-2020



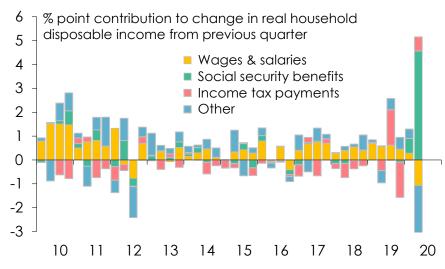


Real GDP fell a record 7.0% in Q2 after a 0.3% decline in Q1, the first time there have been two consecutive declines since Q1 and 12 1991

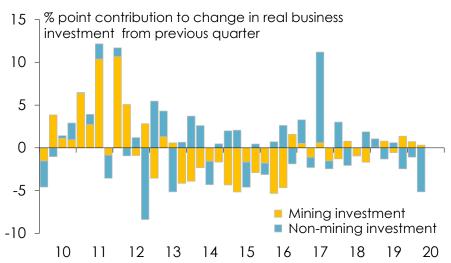
Quarterly change in real GDP



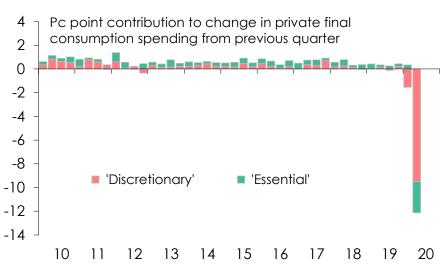
Household disposable income



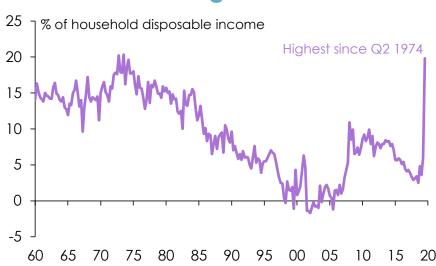
Business investment expenditure



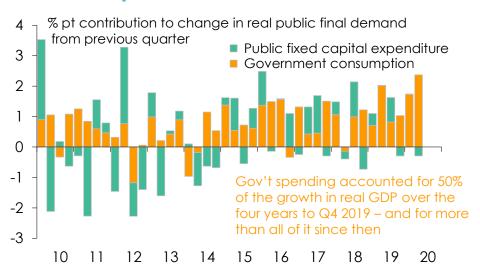
Household consumption expenditure



Household saving rate



Public expenditure



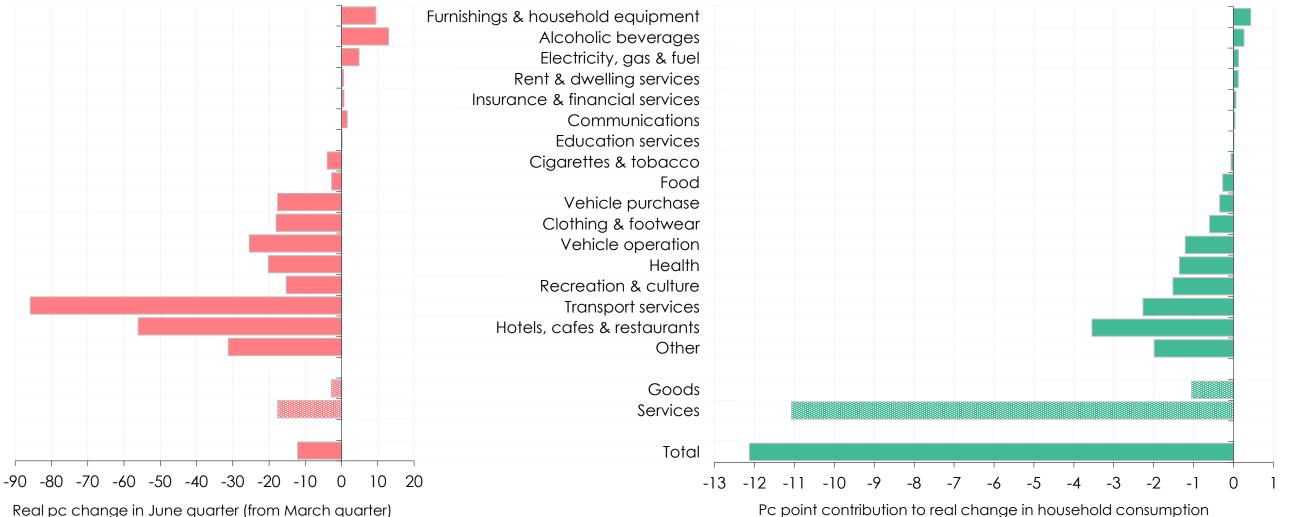
Note: 'Essential' household consumption expenditure comprises food; rent & other dwelling services; electricity, gas & other fuel; operation of vehicles; rail, bus & taxi services; communications; health; education; and insurance & other financial services. Components of household disposable income are deflated by the implicit price deflator of household final consumption expenditure. Source: ABS.



The record 12.1% fall in consumer spending in Q2 was largely driven by sharp declines in spending on discretionary services

Change in household consumption spending, by category, June quarter



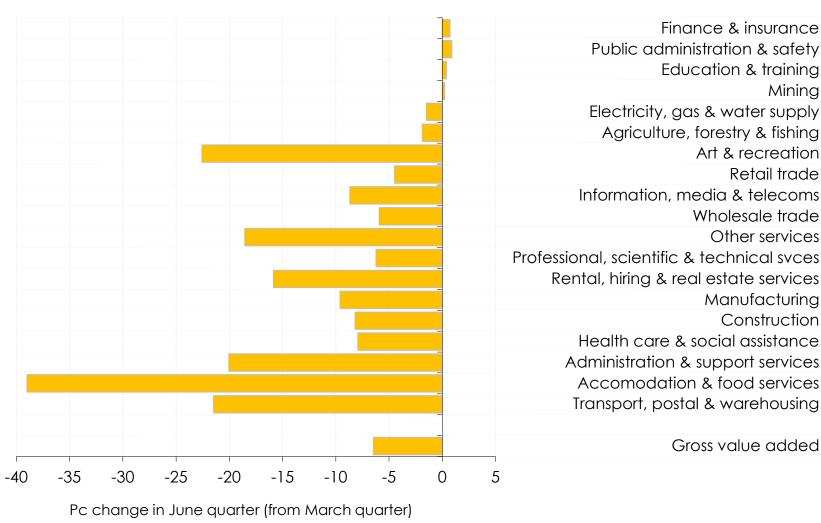


Pc point contribution to real change in household consumption expenditure in June quarter (from March quarter)

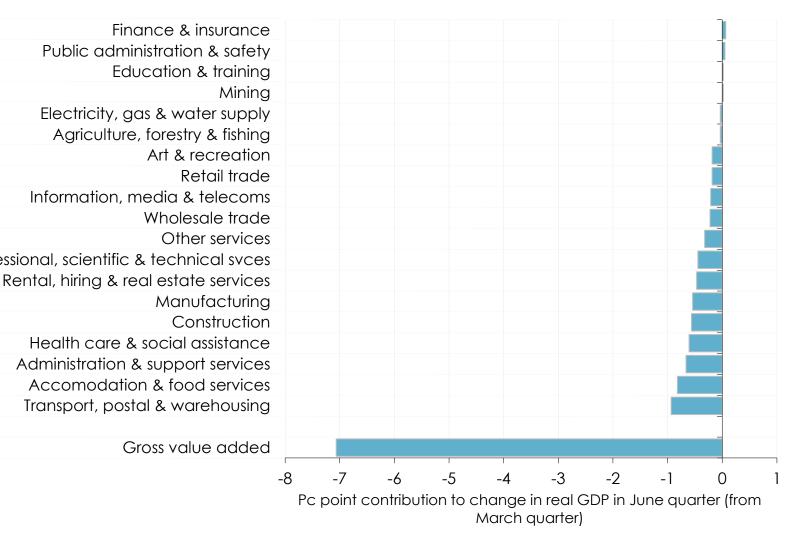


From an industry standpoint the record decline in real GDP in Q2 was driven by falls in manufacturing, construction and private sector services

Change in real gross value added, by industry, June quarter



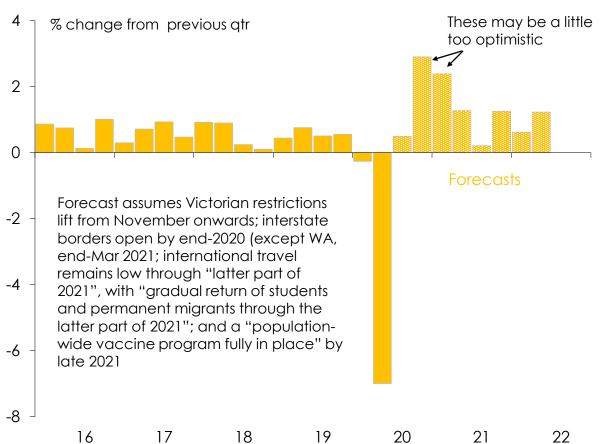
Contribution to change in real GDP, by industry, June quarter





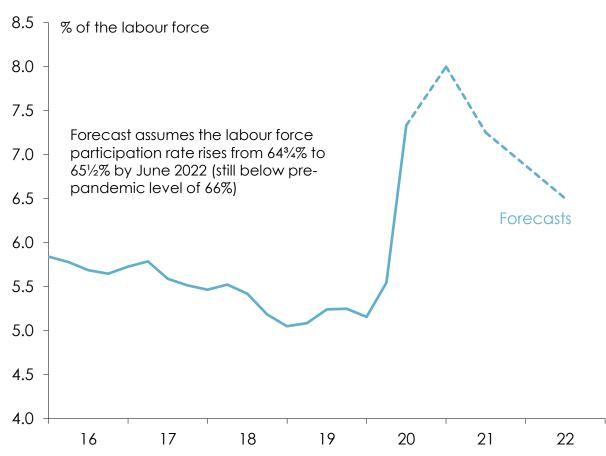
The Government expects a 'growth surge' over summer followed by more modest growth in 2021-22

Real GDP growth



Treasury expects that economic growth resumed in the September quarter, will reach almost 3% in the December quarter, 2½% in the March quarter 2021 and then average ¾% per quarter for the next 5 quarters

Unemployment

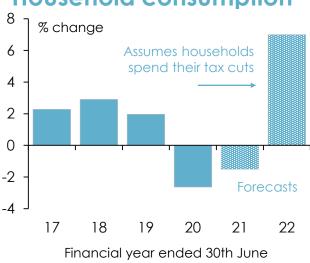


☐ Treasury expects the unemployment rate to peak at 8% in the December quarter, and then fall to 6½% by the June quarter 2022

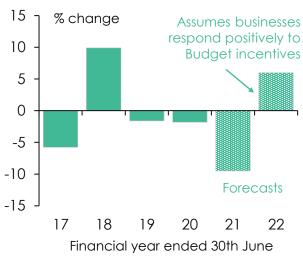


Household consumption and housing investment are expected to drive the recovery, while the current account balance is set to back into deficit

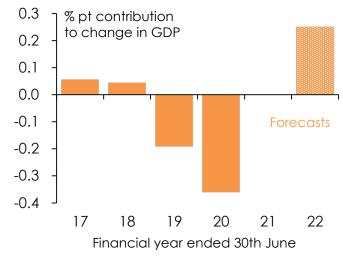
Household consumption



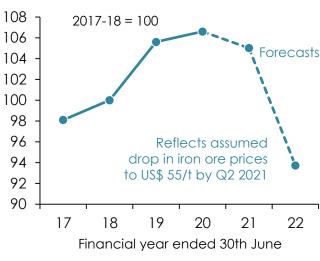
Business investment



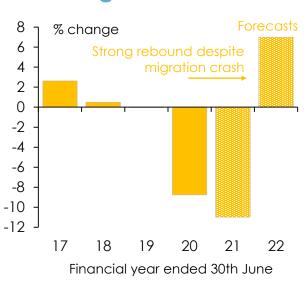
Change in inventories



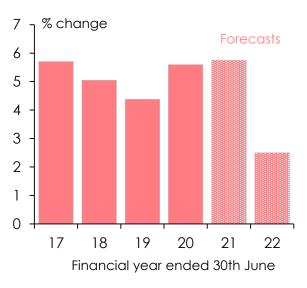
Terms of trade



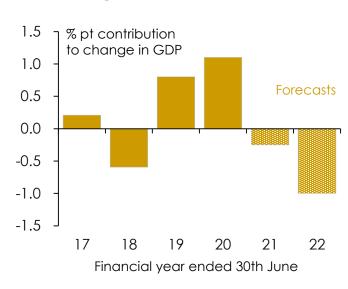
Dwelling investment



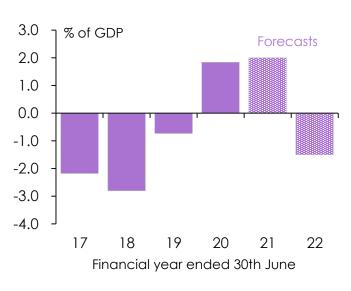
Public spending



Net exports



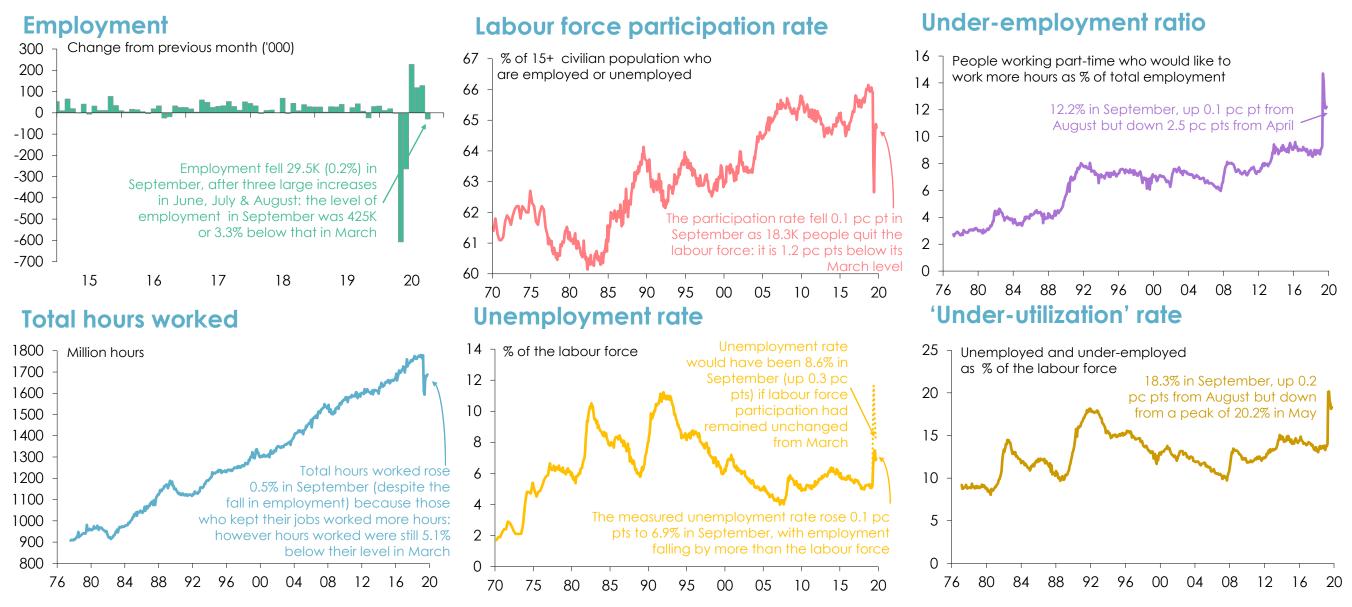
Current account balance



Note: Business investment and public spending exclude transactions in second-hand assets. Employment growth is June quarter on June quarter; unemployment rate is June quarter; all other figures are for financial years. Net overseas migration assumed to fall from 223K in 2018-19 to 154K in 2019-20, -72K in 2020-21 and -22K in 2021-22; international travel bans lifted gradually through 2021; iron ore price falling to US\$55/t FoB by June 2021; metallurgical and thermal coal prices remaining at US\$108/t and \$51/t respectively; oil prices at US\$46/bbl; and the A\$ remaining at around US72¢. Sources: ABS; Australian Government, 2020-21 Budget Paper No. 1, Statement No. 2.



The impact of the recession on the labour market hasn't been as bad as originally anticipated



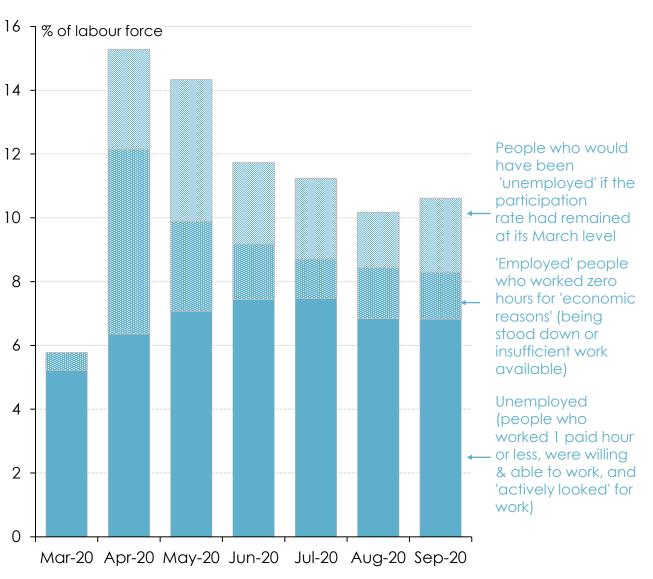
Note: The ABS classifies people on JobKeeper who worked zero hours in the survey week as 'employed'. Had it not done so, the unemployment rate in August would have been 7.9% (down from 11.8% in April) – see also next slide. The 'under-employment ratio' is the percentage of employed persons who are working 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, Labour Force, Australia.



The unemployment rate would have been 10.6% in September including people who worked zero hours or had dropped out of the labour force

Alternative measures of unemployment

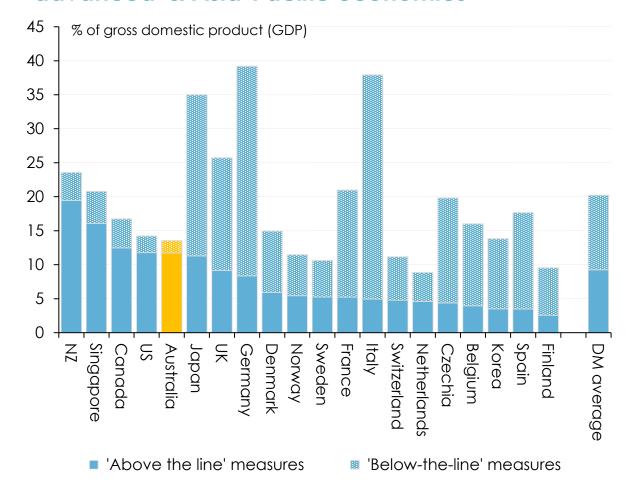


- The Government's JobKeeper program paid eligible employers a subsidy of \$1500 per fortnight for each eligible employee kept on the payroll between 30th March and 27th September (although payments didn't start until the beginning of May)
- ☐ About 3.35 mn people (27% of total employment) are currently being supported through JobKeeper
- ☐ From 28th September the JobKeeper payment reduced to \$1200 per fortnight, with a lower rate of \$750 per fortnight for employees who were working fewer than 20 hours per week in the four weeks prior to 1st March ...
- ... and will reduce further to \$1000 per fortnight (and \$650 per fortnight for those who had been working fewer than 20 hours per week) from 4th January until 28th March, when JobKeeper is currently scheduled to end
- Employers will also need to demonstrate that they continued to meet the 'drop in turnover' criteria (30% for businesses with turnover of \$1 bn or less, 50% for large employers, 15% for not-for-profits) in both Q3 and Q4 to remain eligible for JobKeeper payments



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

Fiscal policy responses to Covid-19 – selected 'advanced' & Asia-Pacific economies



Note: 'Above the line' measures comprise additional or accelerated spending and deferred or foregone revenue. 'Below the line' measures comprise equity injections, loans, asset purchases and debt assumptions, but do not include loan guarantees or other contingent liabilities. 'DMs' means 'developed markets' (or 'advanced economies'). Data includes measures announced up until 20th September 2020.

Source: IMF, Fiscal Monitor, October 2020.

- Policy measures announced prior to this month's federal Budget totalled A\$232bn over FYs 2019-20 and 2020-21 or about 1134% of one year's GDP which is large by international standards (and double what was done during the GFC)
- Principal objectives of policy measures have been to
 - maximize the 'survival prospects' of businesses affected by shutdowns, across Australia during the first (national) shutdown and more recently in Victoria
 - 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 (inevitably) resulted in some anomalies that took time to correct
- Policy measures also designed to be readily 'switched off'
 once the need for them has passed

The FY 2020-21 Budget, unveiled this month, confirms a dramatic deterioration in the Government's fiscal position

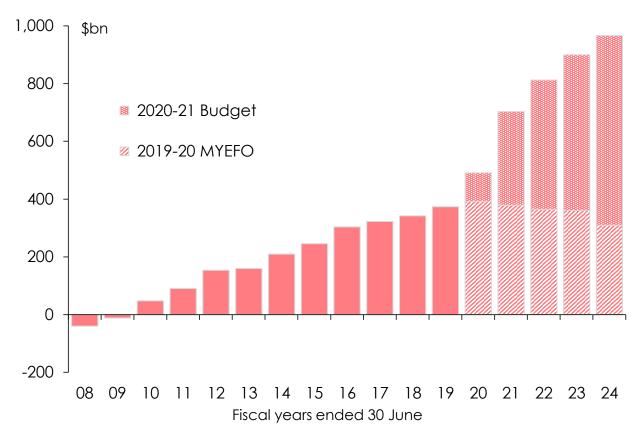
2019-20 Mid-Year Economic & Fiscal Outlook (MYEFO) and 2020-21 Budget forward estimates compared

'Underlying' cash balance 50 \$bn -50 -100 2020-21 Budget -150 2019-20 MYEFO -200 -250 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

☐ Last December, the Government was confidently predicting a return to budget surpluses – now, it is forecasting deficits totalling \$566bn over the five years to 2023-24

Fiscal years ended 30 June

Net debt

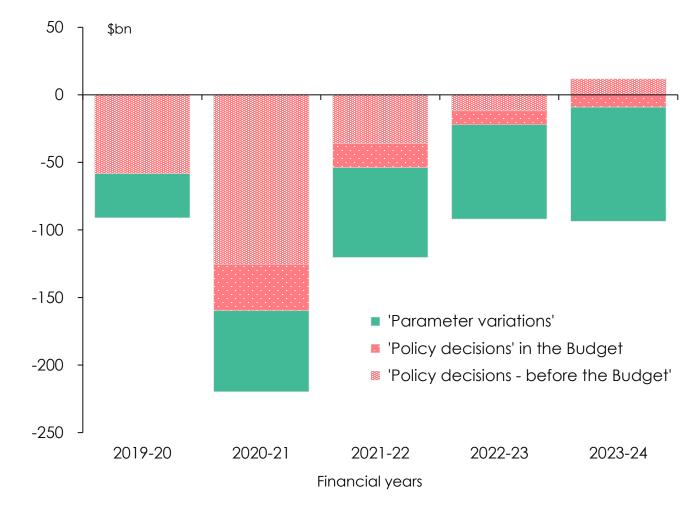


□ Last December, net debt was expected to have peaked at \$392bn in June 2020, and fall to \$310bn by June 2024 – instead it rose to \$490bn at June 2020, and is now expected to reach \$966bn by June 2024



The deterioration in the budget 'bottom line' is roughly equally attributable to 'policy decisions' and changes in the economic outlook

Sources of the changes in forward estimates of the budget's 'underlying cash balance' between the 2019-20 MYEFO and the 2020-21 Budget



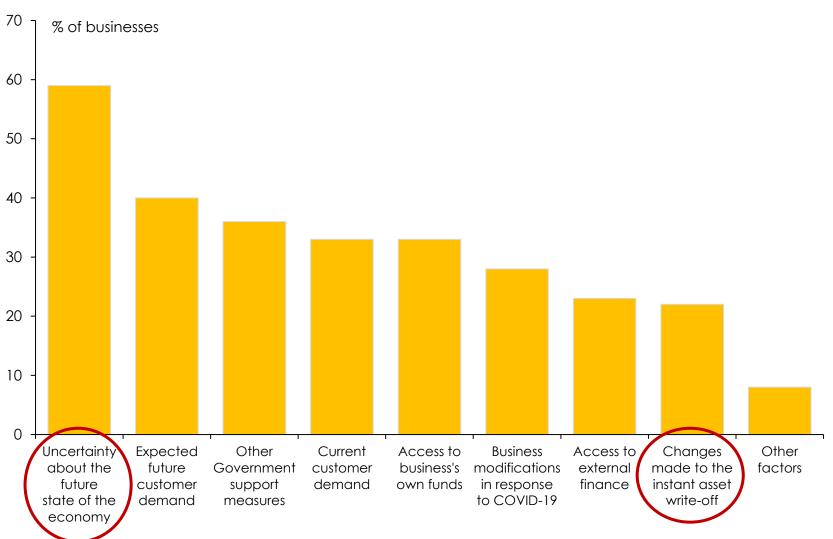
- □ In December last year the Government was anticipating budget surpluses totalling \$38.4bn over the five years to 2023-24: now it is forecasting deficits totalling \$566bn a 'turnaround' of \$605bn
- ☐ Of that \$605bn 'turnaround',
 - \$292bn (just under half) is attributable to 'policy decisions', that is, conscious decisions to spend money or reduce taxes
 - and \$313bn (just under half) is attributable to what the Budget Papers call 'parameter variations', that is, changes in economic forecasts or other assumptions on which forward estimates of receipts and payments depend
- □ \$232bn (or 80%) of the 'policy decisions' were taken before the 2020-21 Budget (most of them in the first three months of the pandemic
- □ 'Policy decisions in the 2020-21 Budget amount to 'only' \$62bn
- □ \$160bn (55%) of the total 'policy decisions' affect the 2020-21 financial year

Source: Australian Government, 2020-21 <u>Budget Paper No. 1, Statement No. 3</u> and <u>Budget Paper No. 2, Budget Measures</u>; Corinna.

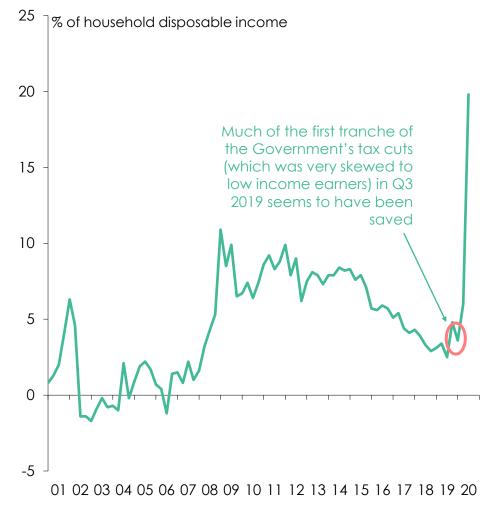


It's by no means certain that businesses and households will respond to the budget incentives in the way that the budget assumes

Factors affecting business investment decisions, August 2020



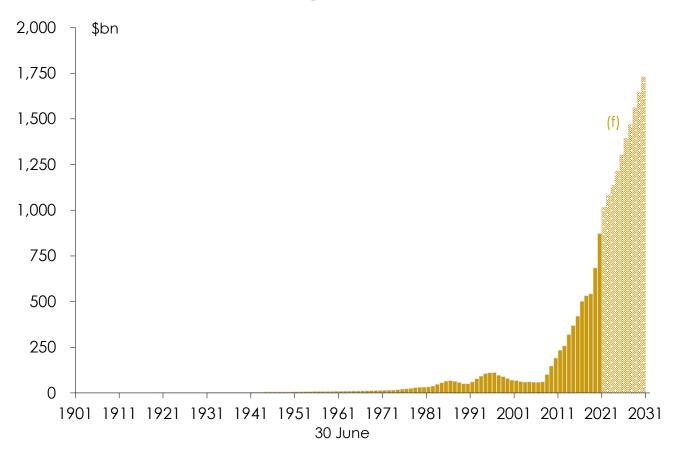
Household saving rate





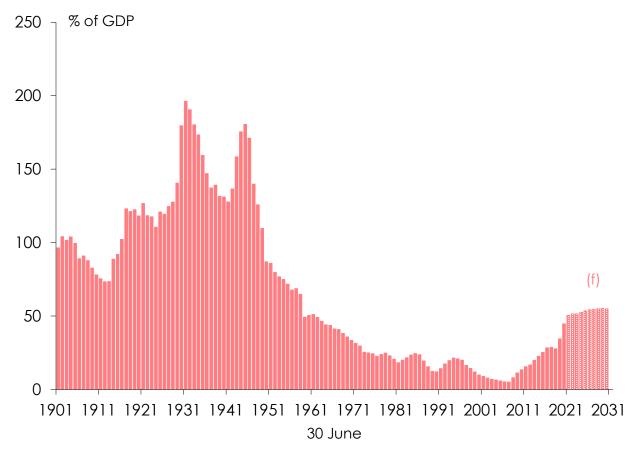
There's no need for undue alarm at the level of debt which will be incurred by the Australian Government

Australian Government gross public debt in \$



☐ The Government's gross debt will top \$1 trillion during the 2021-22 financial year, and reach almost \$1¾ trillion by the end of the decade

Australian Government gross debt as a pc of GDP

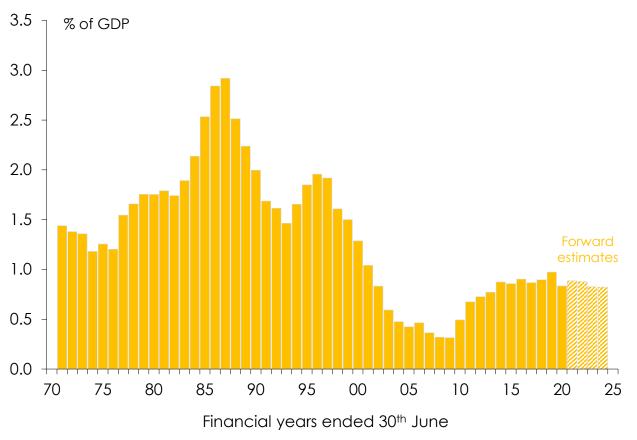


☐ However as a percentage of GDP, the Government's gross debt will still be less than it was in any of the first sixty years of Australia's existence as an independent nation



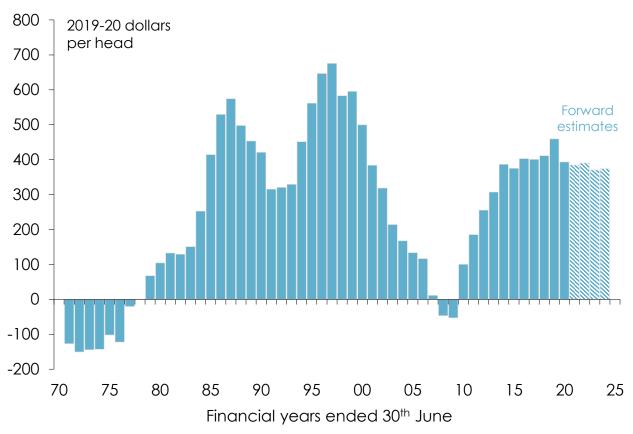
Because interest rates are so low, the cost of servicing the debt which the Government is racking up will be low by historical standards

Australian Government interest payments as a percentage of GDP



As a percentage of GDP, the Government's gross interest payments will be less than they were in the 1970s, 1980s and 1990s, and less than they were in 2017-18 or 2018-19

Australian Government net interest payments per head of population in 2019-20 dollars



■ Net interest payments per head of population will be less than they were in the second half of the 1980s, between 1993-94 and 1999-2000, or between 2015-16 and 2019-20

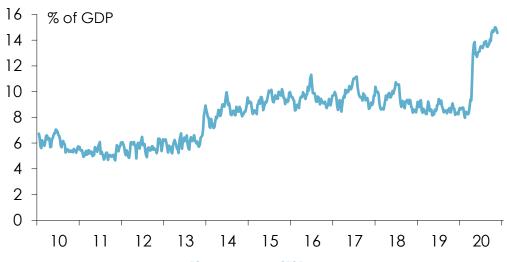


The Reserve Bank has cut interest rates to a record low (and will probably cut them again next month): and it's doing other things too

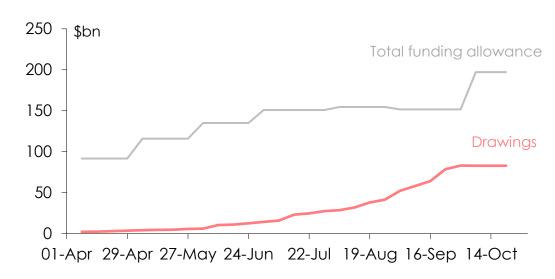
Interest rates



Reserve Bank assets as a pc of GDP

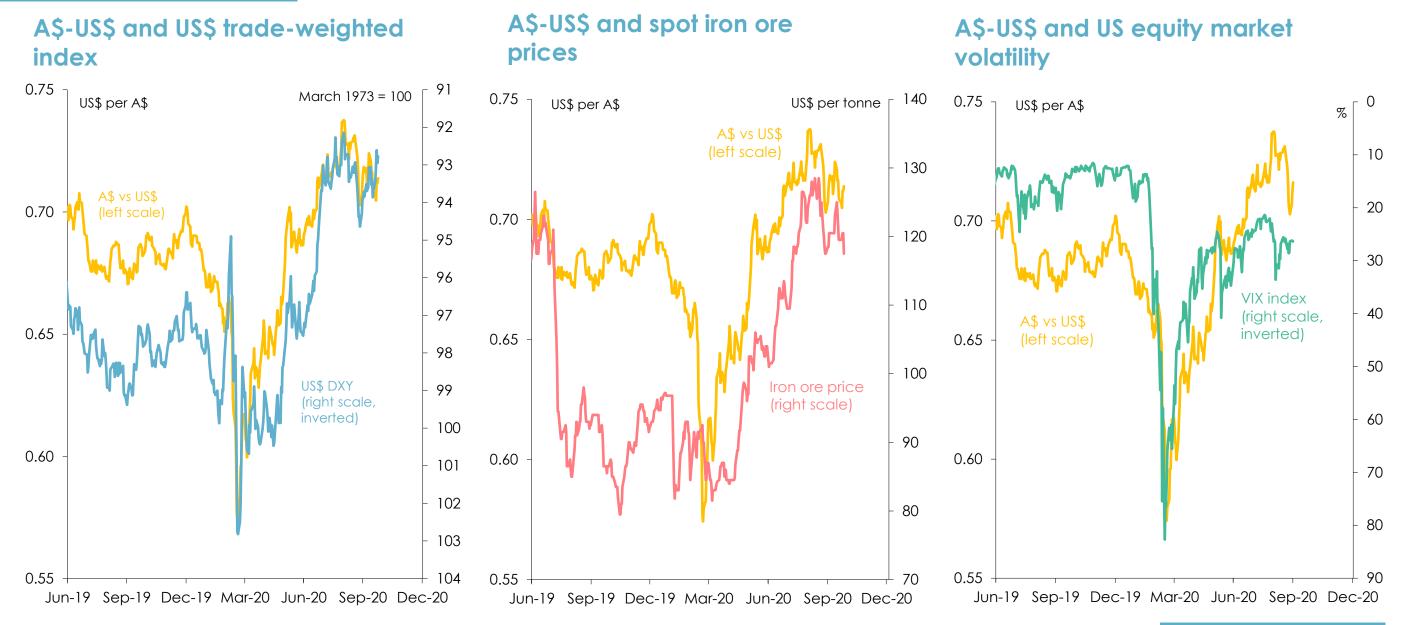


RBA Term Funding Facility





The A\$ has largely mirrored movements in the US\$ against other currencies, but the iron ore price and investor 'risk appetite' have also played a role

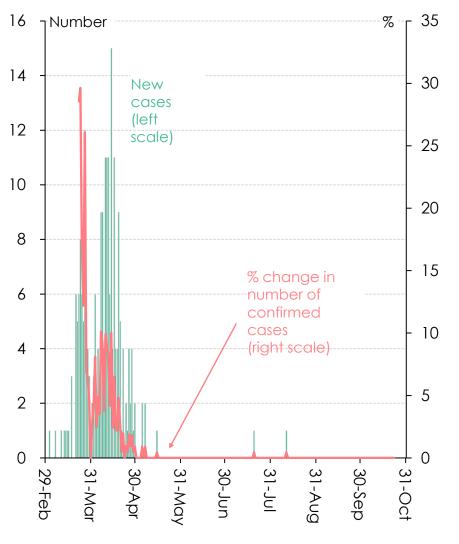




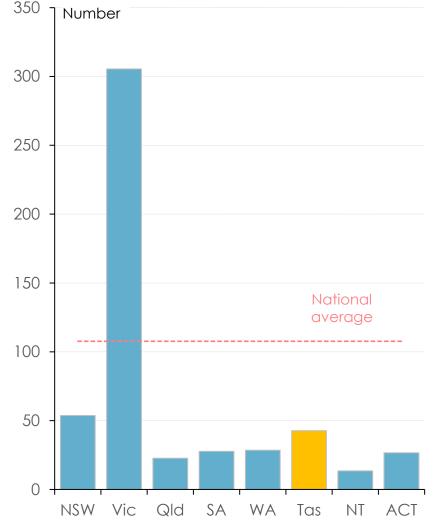
The Tasmanian economy

Since the outbreak at the NW General Hospital Tasmania has done well in containing the virus, but a new challenge awaits when borders re-open

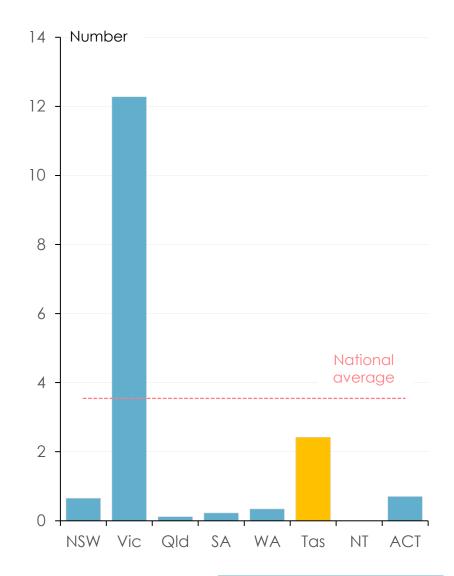
Daily Covid-19 cases, Tasmania



Cases per 100,000 population



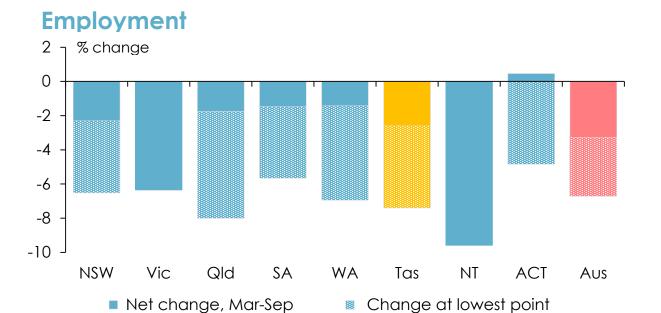
Deaths per 100,000 population



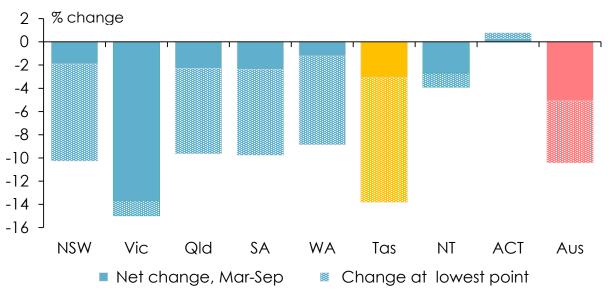
Sources: covid19data.com.au; ABS.



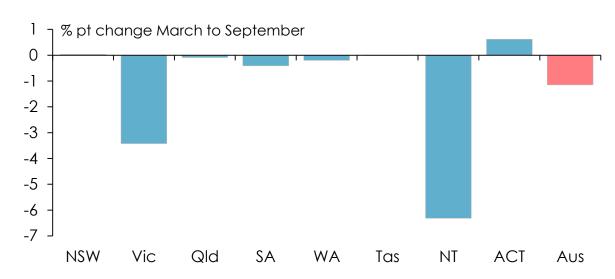
The monthly ABS labour force survey suggests that employment in Tasmania has recovered strongly from the initial sharp falls



Total hours worked



Labour force participation rate



Unemployment rate



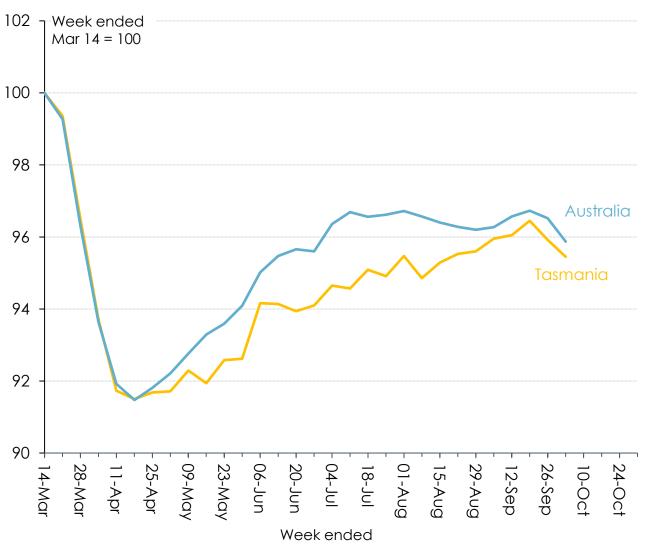
SAUL ESLAKE
CORINNA ECONOMIC ADVISORY

Unemployment rates in

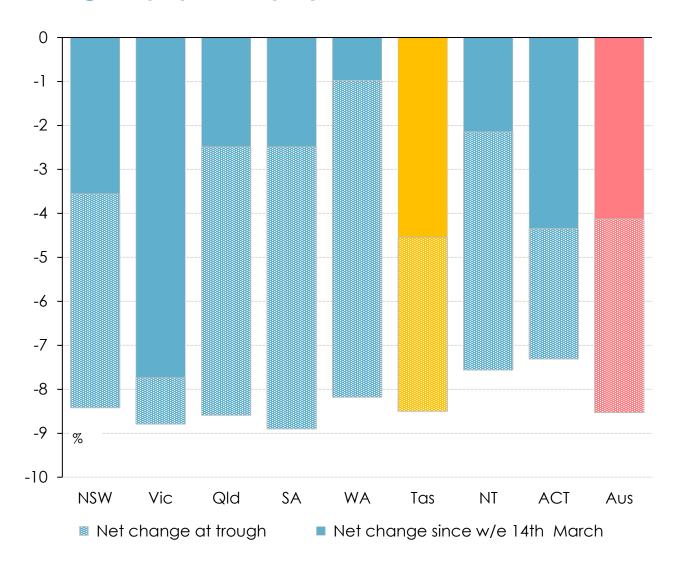
Source: ABS, Labour Force, Australia.

The ABS' weekly payroll jobs series suggests that employment hasn't recovered as rapidly in Tasmania as in other states (except Victoria)

Indexes of number of payroll jobs



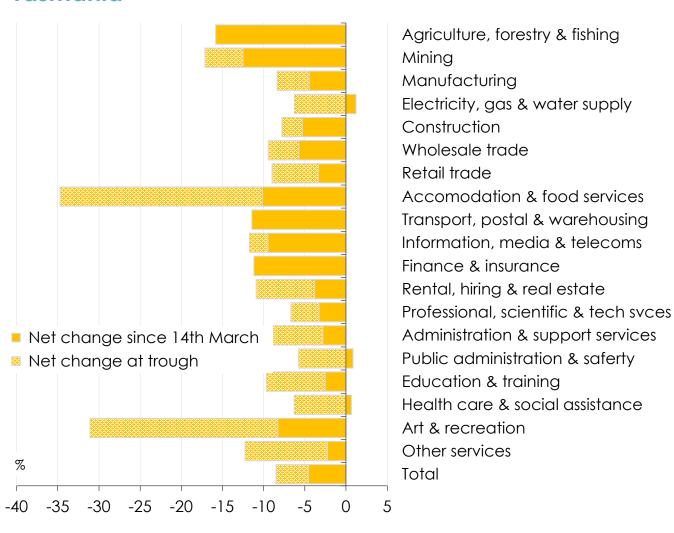
Change in payroll employment since 14th March



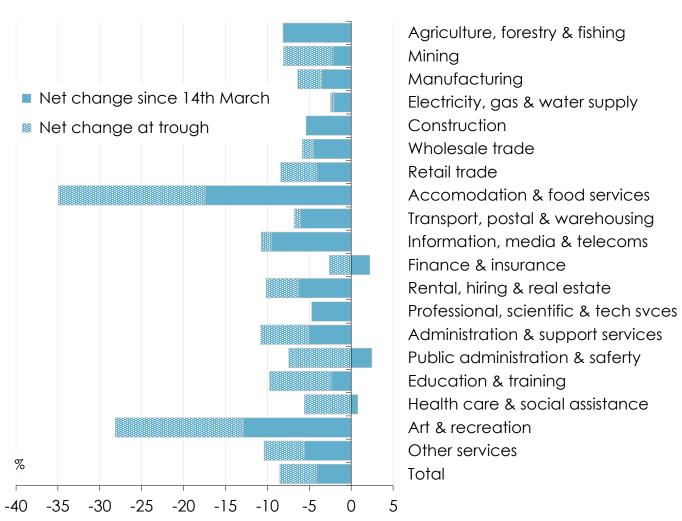


Differences between Tasmania's employment experience and that of the rest of Australia largely explained by sectoral differences

Net change in payroll jobs since 14th March - Tasmania



Net change in payroll jobs since 14th March - Australia







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

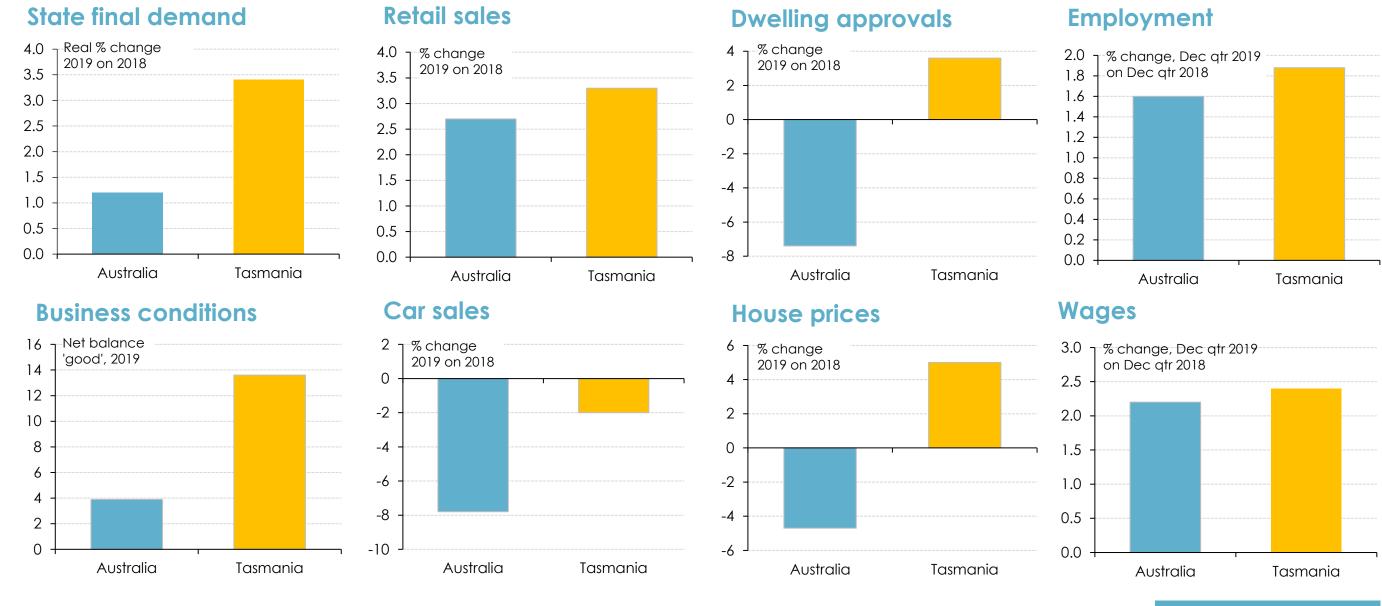


Selected Tasmanian Government economic and social support measures

- 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



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

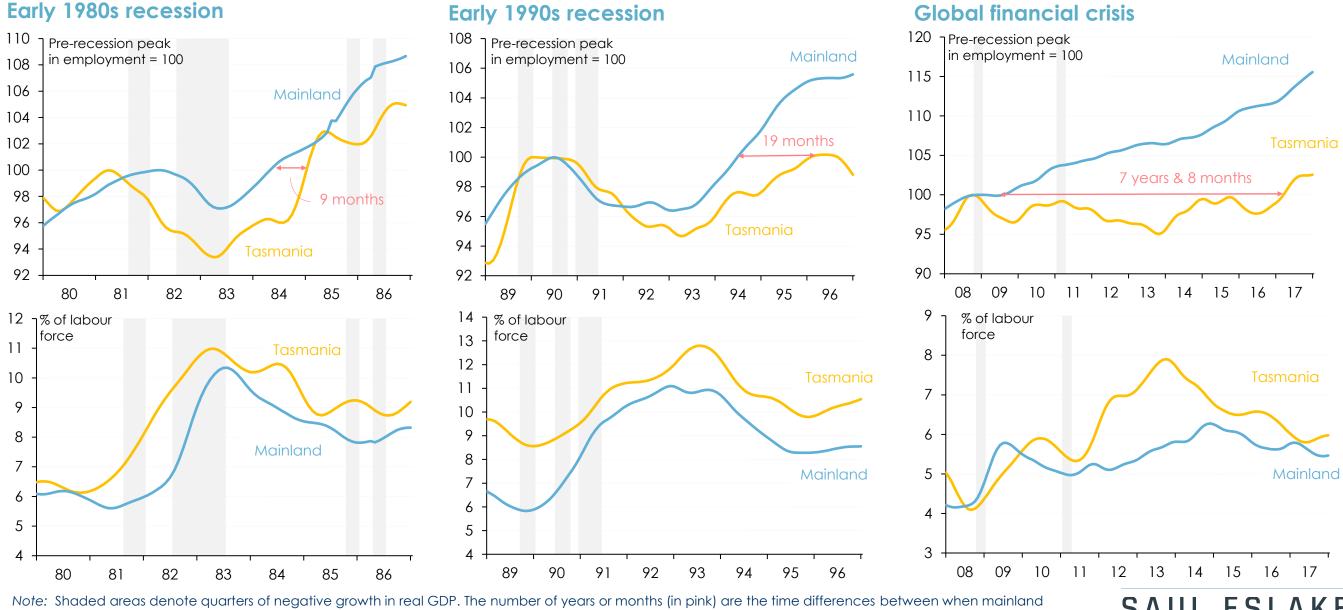


Note: 'State final demand' is the sum of spending by households, businesses and governments Sources: ABS; NAB; FCAI; CoreLogic.



Tasmania has historically always fared worse than the mainland during recessions, regardless of how we were doing beforehand

Employment and unemployment in Tasmania vs the mainland during recessions



Note: Shaded areas denote quarters of negative growth in real GDP. The number of years or months (in pink) are the time differences between when mainland employment regained its pre-recession peak level, and the same milestone being achieved in Tasmania. Data are expressed in trend terms. Source: ABS; Corinna.

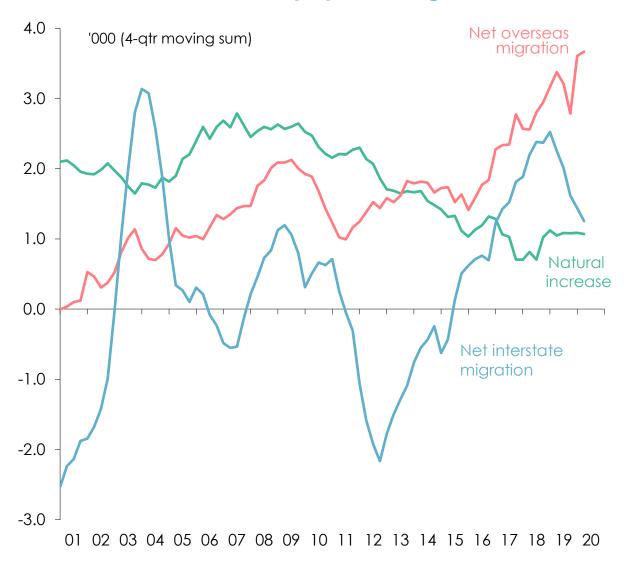
SAUL ESLAKE
CORINNA ECONOMIC ADVISORY

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





Federal Treasury thinks interstate migration to Tasmania will bounce back reasonably quickly, but only for two years

Federal Treasury Budget forecasts for net overseas and interstate migration

Table A.5: Net overseas migration, for years ending 30 June

	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Net overseas migration, Australia	239,700	154,100	-71,600	-21,600	95,900	201,100

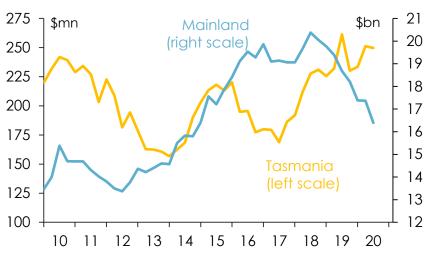
Table A.6: Net interstate migration by state, for years ending 30 June

	NSW	VIC	QLD	WA	SA	TAS	ACT	NT
2018-19	-22,100	12,200	22,800	-6,500	-4,000	2,000	-200	-4,400
2019-20	-21,000	11,600	21,700	-6,100	-3,800	1,900	-200	-4,200
2020-21	-14,300	-1,200	22,000	-3,700	-2,200	2,200	300	-3,100
2021-22	-15,500	-1,300	23,800	-4,000	-2,300	2,300	400	-3,300
2022-23	-17,000	1,800	21,300	-2,300	-3,000	1,200	300	-2,400
2023-24	-18,600	5,000	18,900	-500	-3,600	0	200	-1,400

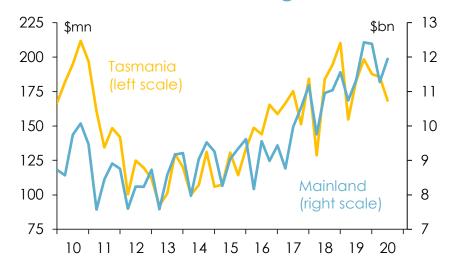


Tasmania has a good pipeline of housing and infrastructure construction work, but non-residential building could be a soft spot

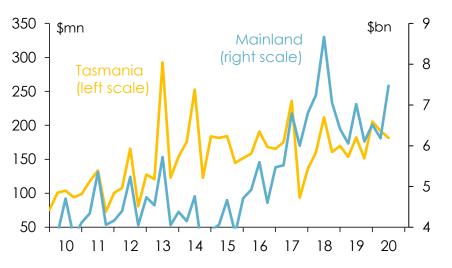
Residential building work done



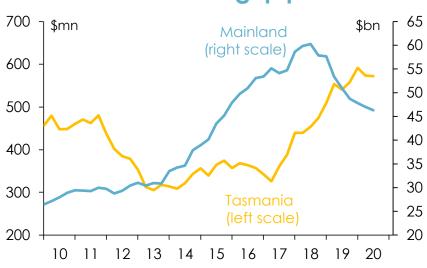
Non-residential building work done



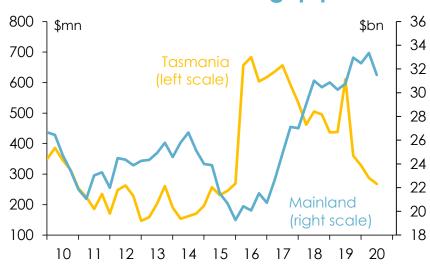
Infrastructure construction work done



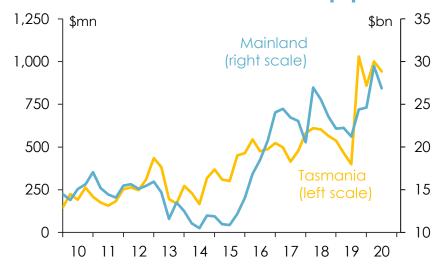
Residential building 'pipeline'



Non-residential building 'pipeline'



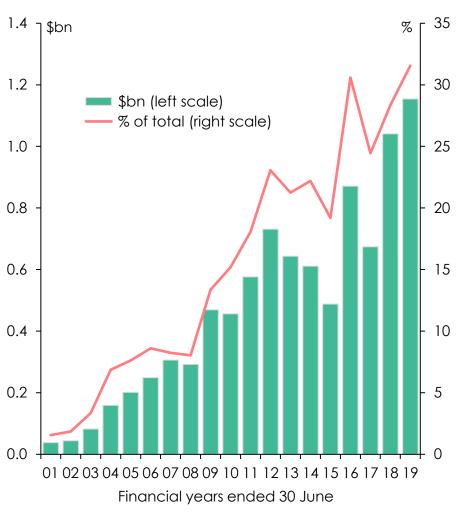
Infrastructure construction 'pipeline'



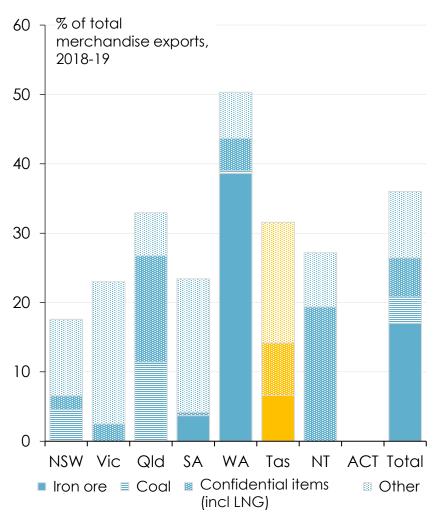


China takes almost 30% of Tasmania's exports, although that still represents less than 5% of Tasmania's gross product

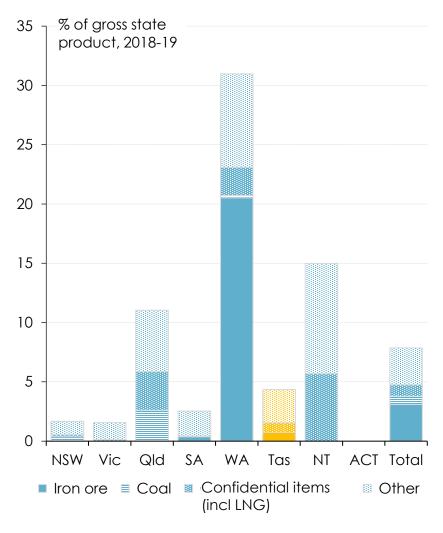
Tasmania's goods exports to China



Goods exports to China as a pc of exports of goods



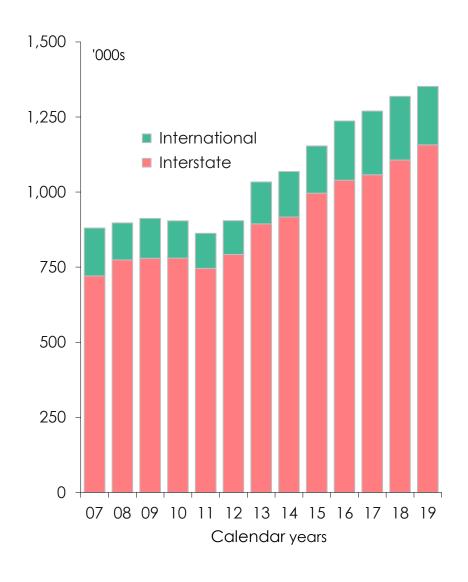
Goods exports to China as a pc of gross state product



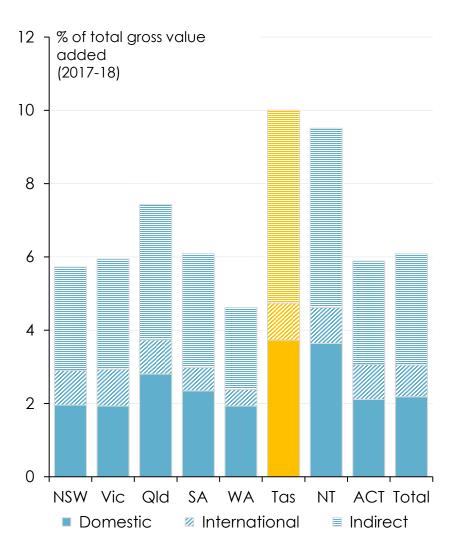


Tourism is a big part of Tasmania's economy, and had slowed over the past two years – have we become 'too dependent' on tourism?

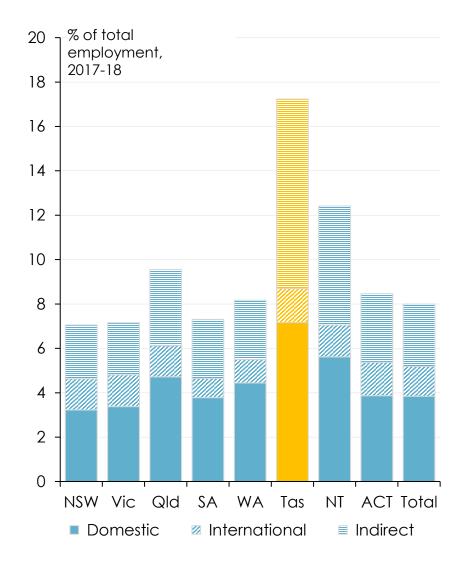
Visitors to Tasmania



Tourism gross value added



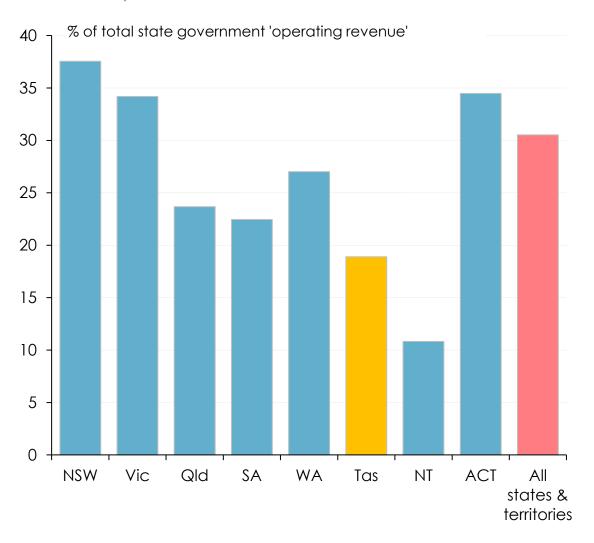
Tourism employment



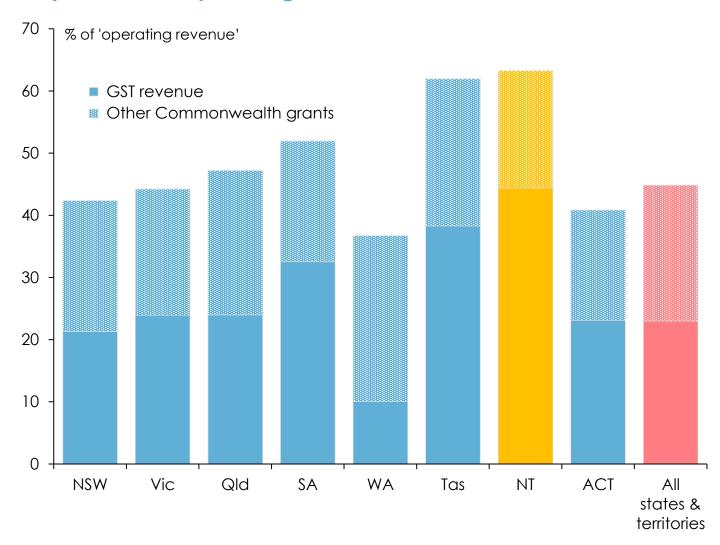


Tasmania is more vulnerable to shortfalls in GST revenue (or changes in the revenue-sharing formula) than anywhere else except the NT ...

State tax revenue as a pc of total 'operating' revenue, 2018-19



GST revenue shares and other Commonwealth grants as a pc of total 'operating' revenue, 2018-19

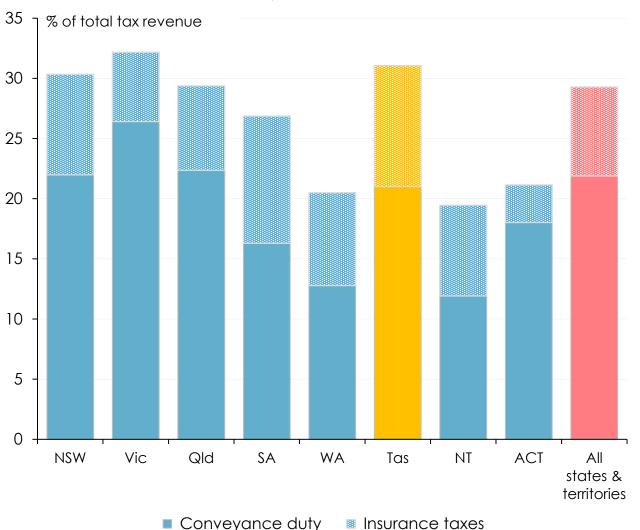


Sources: ABS, Australian Government Budget Papers.

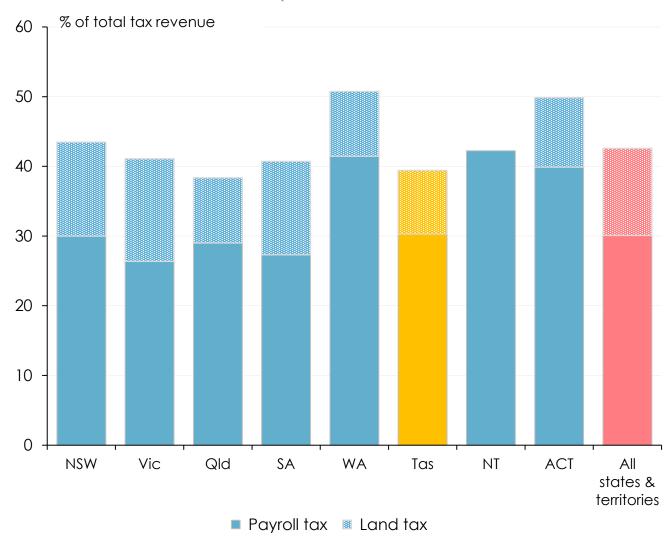


... which is why reform of state taxation ought to be a more pressing long-term issue in Tasmania than in other states

Revenue from 'bad' state taxes as a pc of total state taxation revenue, 2018-19



Revenue from 'good' state taxes as a pc of total state taxation revenue, 2018-19



Sources: ABS; Corinna.



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