



Fair Work  
Commission

# Statistical report—Annual Wage Review 2021–22

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Version 8  
2 June 2022



# Statistical report— Annual Wage Review 2021–22

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All Australian Bureau of Statistics (ABS) data in this Report are seasonally adjusted, unless otherwise noted.

All data expressed in \$ units are in nominal terms, unless otherwise noted.

All gross domestic product (GDP) and gross value added (GVA) measures used in this Report are expressed in real terms from chain volume estimates, unless otherwise noted.

This report uses unit record data from the Household, Income and Labour Dynamics in Australia (HILDA) Survey conducted by the Melbourne Institute of Applied Economic and Social Research at the University of Melbourne on behalf of the Australian Government Department of Social Services (DSS), with data collection conducted by Roy Morgan Research. The findings and views reported in this paper, however, are those of the authors and should not be attributed to the Australian Government, DSS, or any of DSS' contractors or partners. DOI: [10.26193/3QRFMZ](https://doi.org/10.26193/3QRFMZ).

This version is updated for:

ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022

- Overview, Tables 1.1, 2.1–2.2, 3.1, 7.2; and
- Charts 1.1–1.5, 1.7, 2.1, 2.3, 3.1.

ABS, *Business Indicators, Australia*, March 2022

- Overview, Tables 3.3–3.4, 7.2; and
- Chart 3.2.

ABS, *Labour Force, Australia, Detailed*, April 2022

- Overview, Tables 6.6–6.10; and
- Chart 6.2.



OECD, *Quarterly GDP (Indicator)*

- Chart 1.3.

ABS, *Australian Industry, 2020-21 financial year*

- Table 3.5; and
- Chart 3.3.

ABS, *Retail Trade, Australia, April 2022*

- Chart 3.7.

ABS, *Business Conditions and Sentiments, May 2022*

- Charts 3.9–3.14, 3.21–3.22; and
- Tables 3.7–3.8, 3.12.

ABS, *Consumer Price Index, Australia, March 2022*

- Chart 4.4.



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# List of abbreviations

Abbreviation	Description
ABS	Australian Bureau of Statistics
AAWI	Average annualised wage increase
AWE	Average Weekly Earnings
AWOTE	Average Weekly Ordinary Time Earnings
C4	Engineering Association Level I, <i>Metal, Engineering and Associated Industries Award 1998</i> ; from 1 January 2010 the <i>Manufacturing and Associated Industries and Occupations Award 2010</i> ; and from 29 May 2020 the <i>Manufacturing and Associated Industries and Occupations Award 2020</i>
C10	Engineering Tradesperson Level I, <i>Metal, Engineering and Associated Industries Award 1998</i> ; from 1 January 2010 the <i>Manufacturing and Associated Industries and Occupations Award 2010</i> ; and from 29 May 2020 the <i>Manufacturing and Associated Industries and Occupations Award 2020</i>
C14	Engineering/Production Employee Level 1, <i>Metal, Engineering and Associated Industries Award 1998</i> ; from 1 January 2010 the <i>Manufacturing and Associated Industries and Occupations Award 2010</i> ; and from 29 May 2020 the <i>Manufacturing and Associated Industries and Occupations Award 2020</i>
COE	Characteristics of Employment
COVID-19	Coronavirus disease 2019
CPI	Consumer Price Index
EEH	Employee Earnings and Hours
FMW	Federal Minimum Wage
FOB	Free on board
FT	Full time
FWCFB	Fair Work Commission Full Bench
GDP	Gross domestic product
GVA	Gross value added



IMF	International Monetary Fund
JSP	JobSeeker Payment
LCI	Living Cost Index
n/a	Not available
NMW	National minimum wage
NSA	Newstart Allowance
OECD	Organisation for Economic Co-operation and Development
PT	Part time
PL	Poverty line
PPP	Purchasing Power Parity
ppt	Percentage point
Pw	Per week
RBA	Reserve Bank of Australia
RNNDI	Real net national disposable income
UK	United Kingdom
US	United States
WAD	Workplace Agreements Database
WPI	Wage Price Index



## Overview

Indicator	Measure	Latest	5-year average
		Mar qtr 2022	
GDP	Annual % change	3.3	2.2
RNNDI	Annual % change	2.4	3.3
GDP per capita	Annual % change	2.5	1.1
RNNDI per capita	Annual % change	1.6	2.2
Labour productivity	Annual % change	2.8	1.1
Labour productivity (market sector)	Annual % change	3.0	1.1
Real unit labour costs	Annual % change	-2.6	-0.9
Household saving ratio	Proportion	11.4	9.9
Profits	Annual % change	25.3	11.3
Non-mining profits	Annual % change	8.5	5.6
Profits share	%	31.1	28.5
Wages share	%	49.8	51.7
AAWI	%	2.6 <sup>^^</sup>	2.6 <sup>^^</sup>
AWOTE	Annual % change	2.2 <sup>^</sup>	2.7 <sup>^</sup>
WPI	Annual % change	2.4	2.1
CPI	Annual % change	5.1	2.3
Underlying inflation	Annual % change	3.5	1.9
LCl employee	Annual % change	3.8	1.6
		2020–21	
Non-mining investment (market sector) <sup>#</sup>	Annual % change	4.1	2.9
		April 2022	
Employment*	Annual % change	2.9	1.9
Full-time employment*	Annual % change	5.2	2.5
Part-time employment*	Annual % change	-2.0	0.8
Hours worked*	Annual % change	2.8	1.9
Unemployment rate*	%	3.9	5.4
Underemployment rate*	%	6.1	8.7
Participation rate***	%	66.4	65.6
Participation rate (age-adjusted)**	%	67.7	66.3
Employment to population ratio***	%	63.8	62.1
Employment to population ratio (age-adjusted)**	%	65.0	62.7
Youth unemployment rate*	%	8.8	12.1

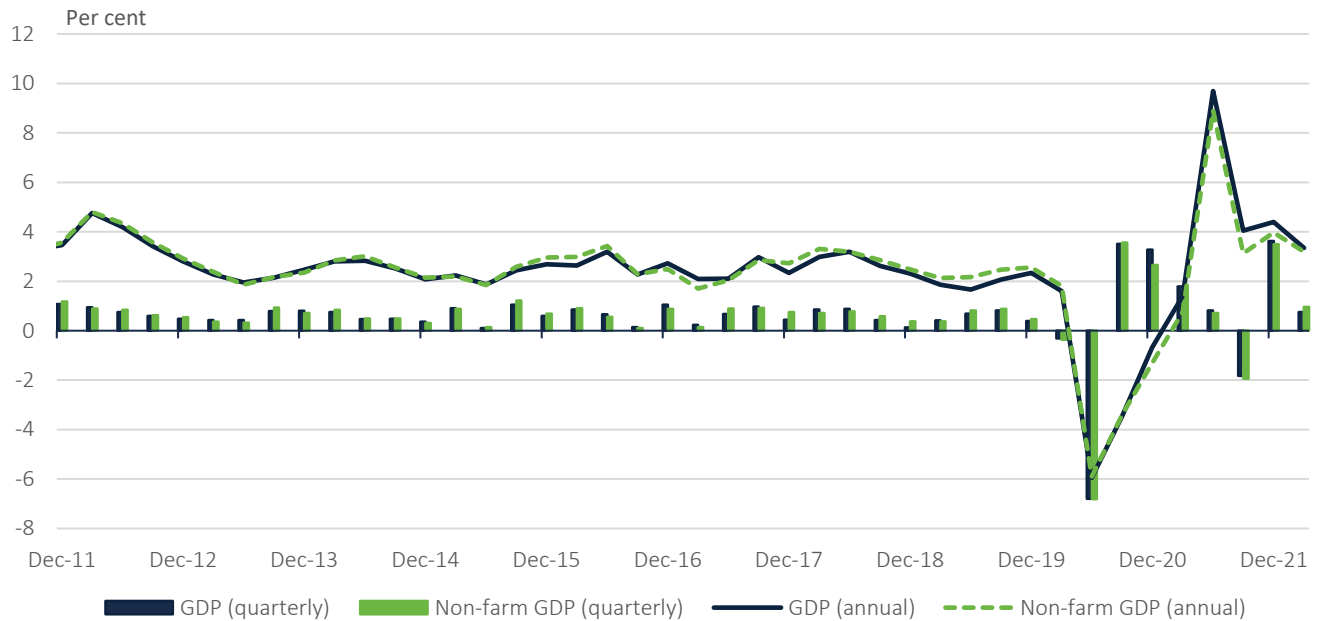
Note: <sup>#</sup>Calculated as percentage change in non-mining (market) gross fixed capital formation. \*Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms. \*\*The age-adjusted participation rate and employment to population ratio are calculated using 10-year age groups for April 2022, with the proportion of the population held fixed at April 2017. The 5-year averages are calculated based on the data in Chart 6.2. Data are in original terms. \*\*\* The 5-year averages are calculated based on the data in Chart 6.2. Data are in original terms. ^ November 2021.

<sup>^^</sup> December 2021.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022; ABS, *Australian System of National Accounts, 2020–21 financial year*; ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Business Indicators, Australia*, March 2022; ABS, *Consumer Price Index, Australia*, March 2022; ABS, *Labour Force, Australia*, April 2022; ABS, *Labour Force, Australia, Detailed*, April 2022; ABS, *Selected Living Cost Indexes, Australia*, March 2022; ABS, *Wage Price Index, Australia*, March 2022; Attorney-General's Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021.

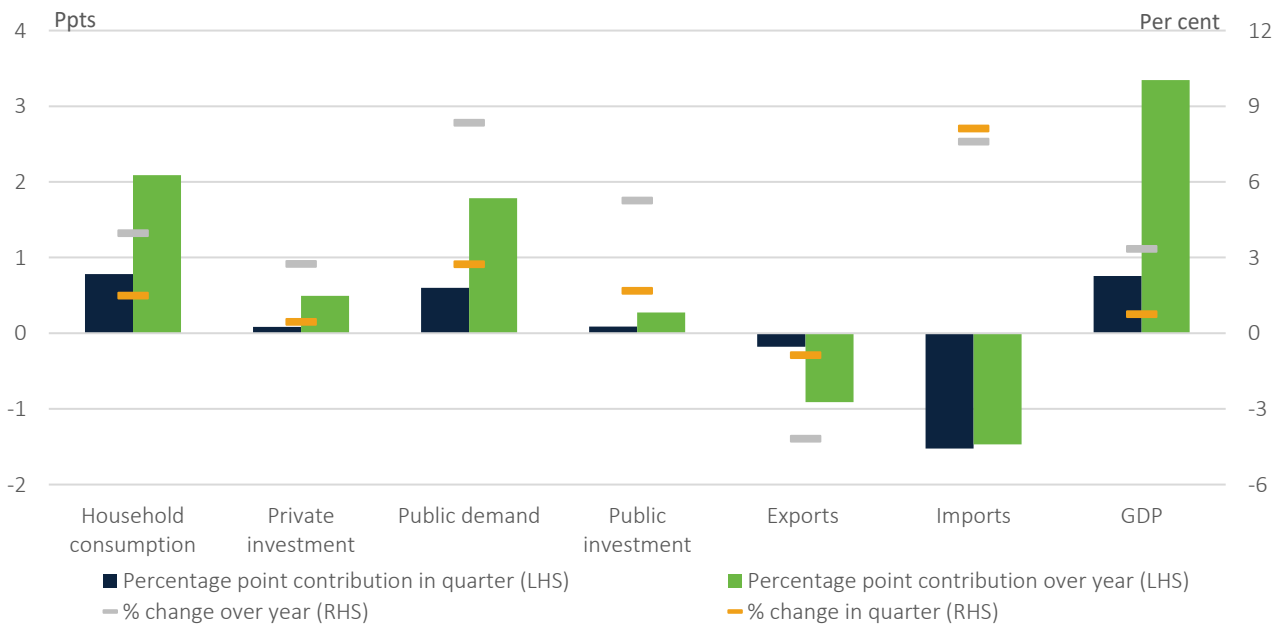
# 1. Economic growth

**Chart 1.1: Economic growth, annual and quarterly growth rates**



Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.

**Chart 1.2: Components of GDP growth, March quarter 2022**

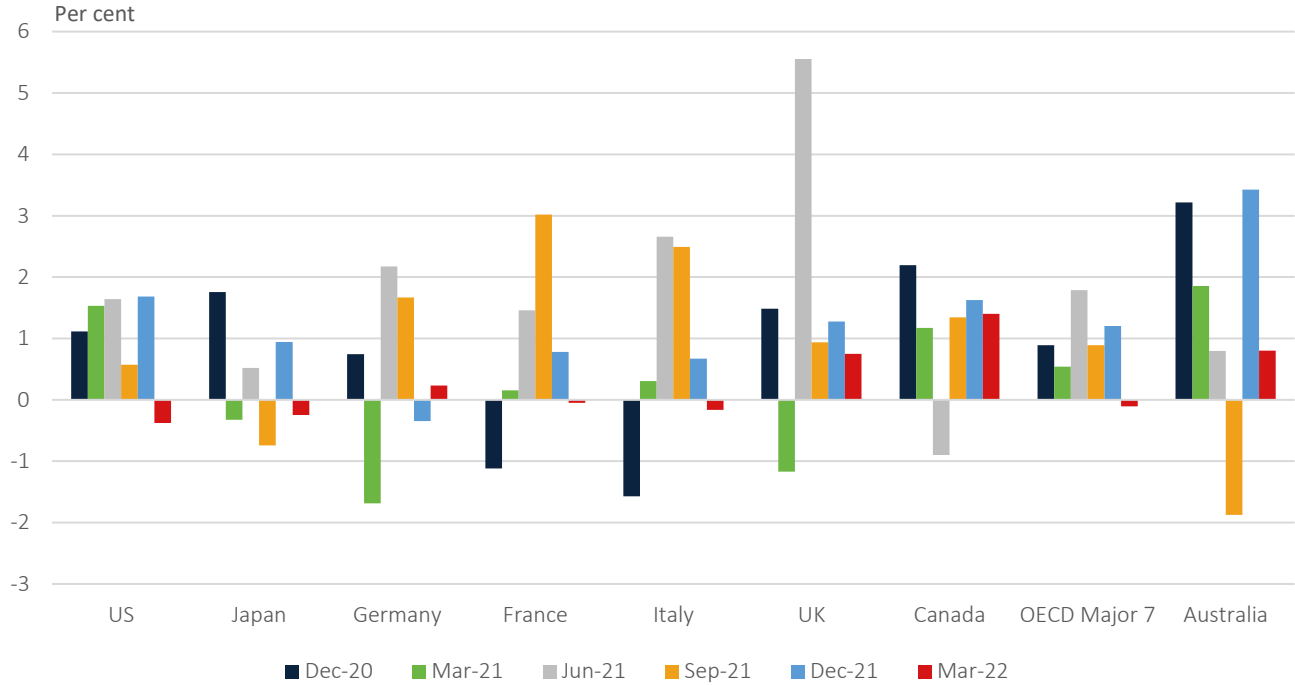


Note: Household consumption refers to 'Household final consumption expenditure', Investment refers to 'Gross fixed capital formation', and Public demand refers to 'General government final consumption expenditure'. Contributions may not add to total GDP growth due to rounding.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



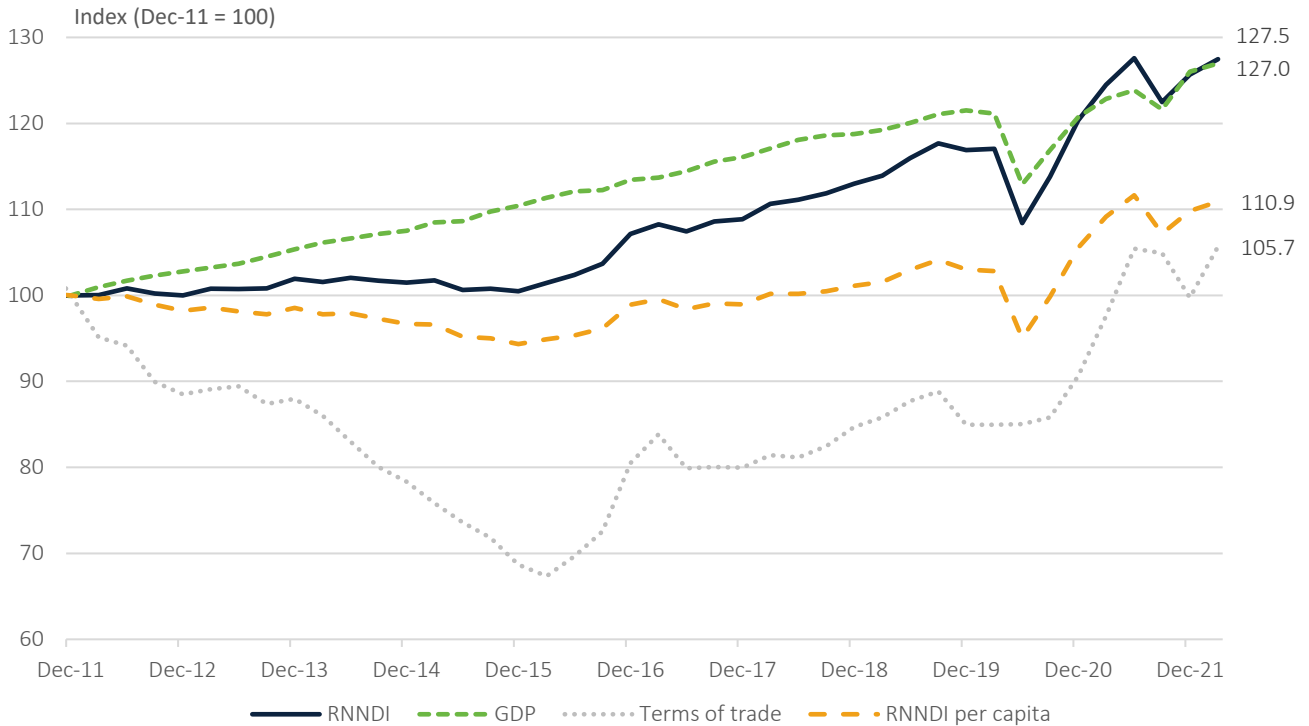
**Chart 1.3: International comparisons of quarterly GDP growth rates**



Source: OECD (2022), *Quarterly GDP (indicator)*, <<http://data.oecd.org/gdp/quarterly-gdp.htm>>; ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Chart 1.4: Real net national disposable income, real GDP and the terms of trade, index**



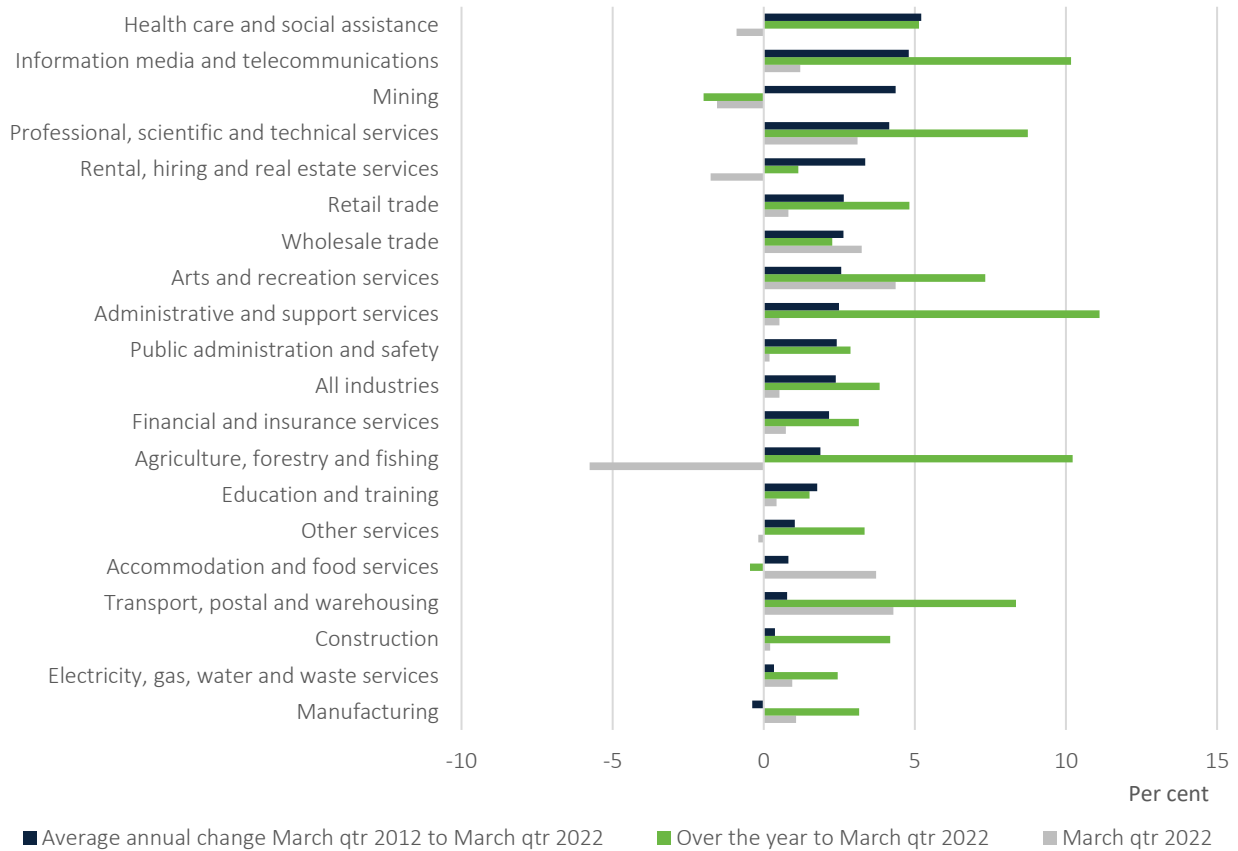
Note: Real net national disposable income (RNNDI) takes into account the impact of changes in prices of exports relative to imports, the real impact of income flows between Australia and the rest of the world, and the consumption of fixed capital. Income flows between Australia and the rest of the world are fairly smooth over time and changes tend to have little impact on short-term movements in RNNDI. The consumption of fixed capital tends to stall growth in RNNDI but, for the most part, the impact on short-term movement is small. See ABS, *Real net national disposable income - a new national accounts measure*, Feature article in ABS, *Australian National Accounts: National Income, Expenditure and Product*, December 2001.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.





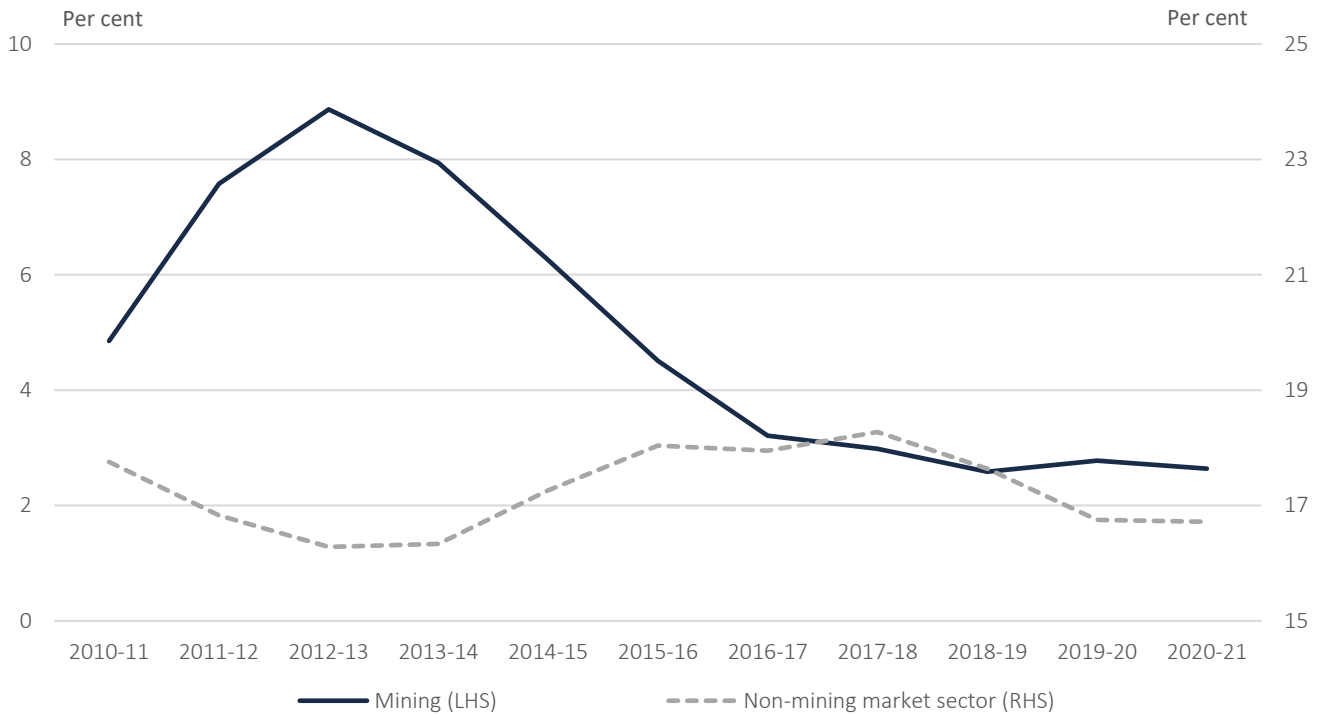
**Chart 1.5: Gross value added by industry, average annual growth over decade, growth over year to the March quarter 2022 and growth in the March quarter 2022**



Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Chart 1.6: Gross fixed capital formation share of GDP**



Note: All data are expressed in nominal and annual terms. Non-mining market sector excludes Education and training, Public administration and safety, Health care and social assistance and Mining, but includes ownership of dwellings.

Source: ABS, *Australian System of National Accounts*, 2020–21 financial year.



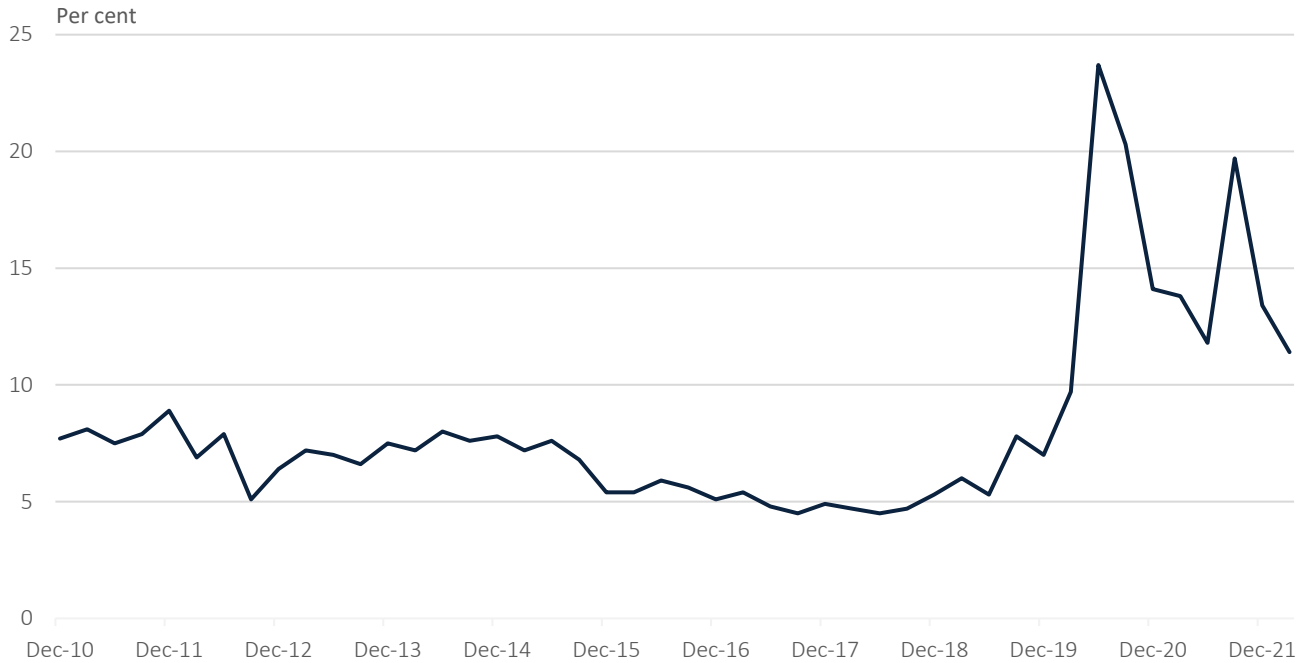
**Table 1.1: Gross value added, by industry**

	March qtr 2021	December qtr 2021	March qtr 2022
	(\$m)	(\$m)	(\$m)
Agriculture, forestry and fishing	13 618	15 927	15 010
Mining	49 735	49 511	48 747
Manufacturing	28 727	29 322	29 635
Electricity, gas, water and waste services	11 564	11 736	11 847
Construction	35 512	36 919	36 999
Wholesale trade	20 171	19 980	20 628
Retail trade	21 695	22 556	22 741
Accommodation and food services	10 126	9 719	10 080
Transport, postal and warehousing	20 828	21 637	22 566
Information media and telecommunications	11 222	12 216	12 363
Financial and insurance services	38 504	39 426	39 716
Rental, hiring and real estate services	14 663	15 096	14 830
Professional, scientific and technical services	36 492	38 484	39 680
Administrative and support services	15 706	17 361	17 451
Public administration and safety	27 708	28 448	28 503
Education and training	24 497	24 765	24 869
Health care and social assistance	38 798	41 160	40 790
Arts and recreation services	3 902	4 013	4 188
Other services	8 489	8 788	8 772
<b>All industries</b>	<b>476 207</b>	<b>491 914</b>	<b>494 466</b>

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.

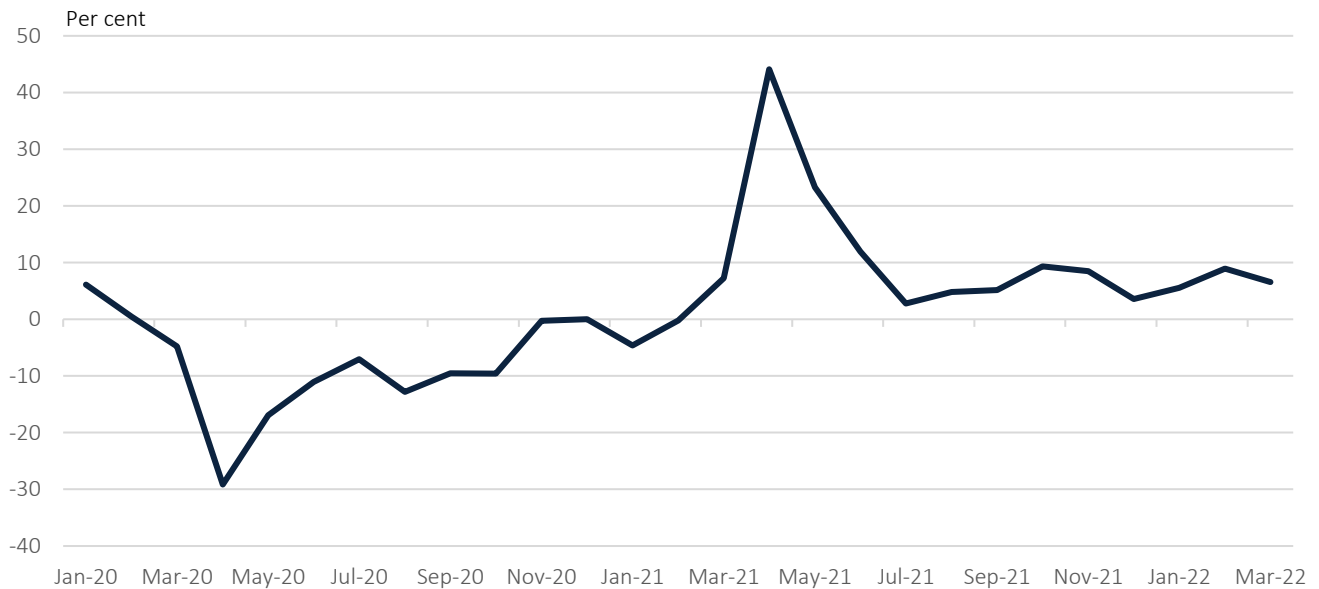


**Chart 1.7: Household savings ratio**



Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.

**Chart 1.8: Household spending, annual growth, current price, calendar adjusted**

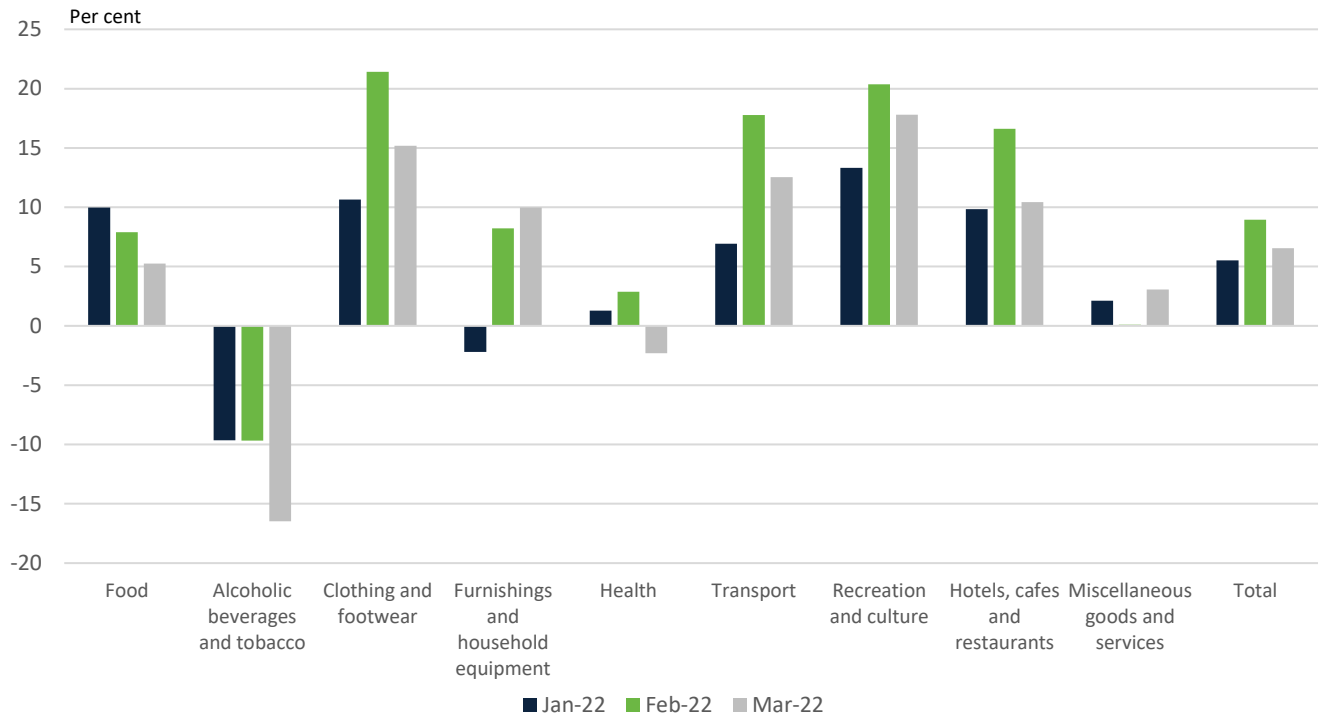


Note: Calendar adjusted estimates account for trading day impacts and length of month. As the indicator time series lengthens, seasonally adjusted estimates will become available.

Source: ABS, *Monthly household spending indicator*, March 2022.



**Chart 1.9: Household spending by spending category, annual growth, current price, calendar adjusted**



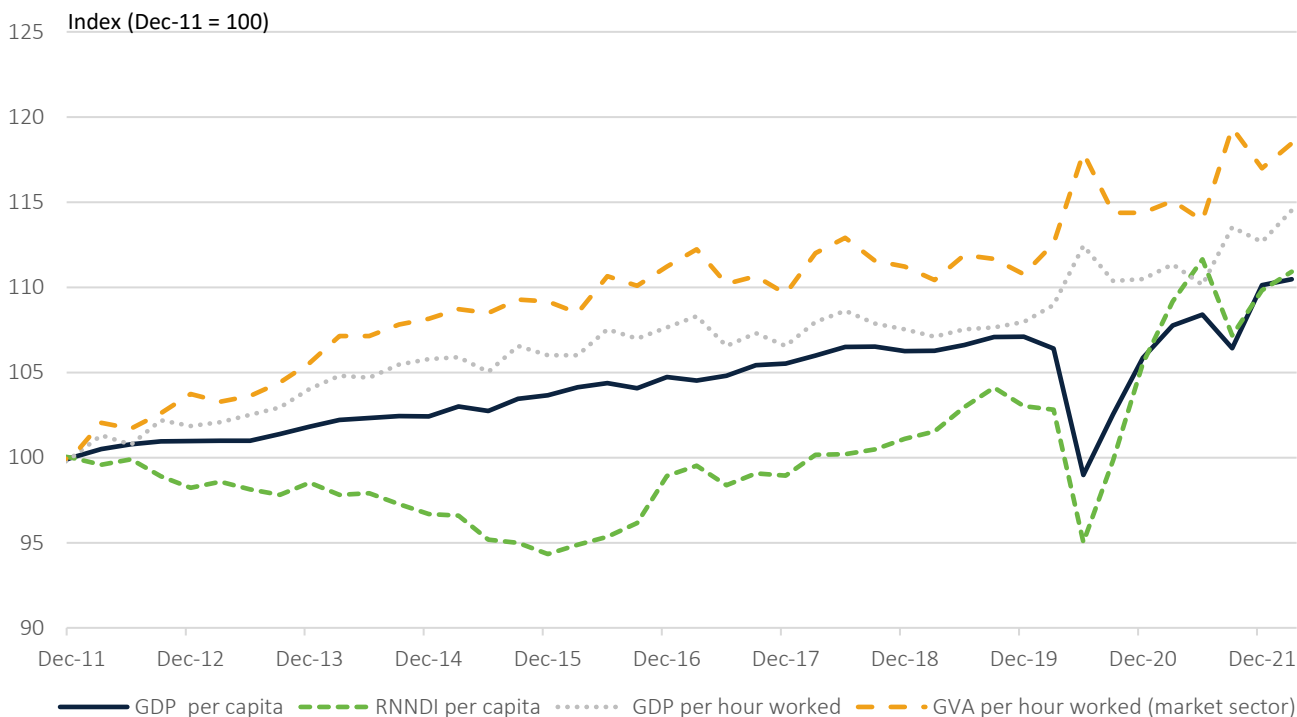
Note: Calendar adjusted estimates account for trading day impacts and length of month. As the indicator time series lengthens, seasonally adjusted estimates will become available. Until such time, it is advised to focus on the through the year movements.

Source: ABS, *Monthly household spending indicator*, March 2022.



## 2. Productivity

Chart 2.1: Measures of productivity, indexes—Dec-11 = 100



Note: Labour productivity is measured as real GDP per hour worked. Gross value added measures the value of output at basic prices minus the value of intermediate consumption at purchasers' prices. The market sector includes all industries except for Public administration and safety, Education and training and Health care and social assistance.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Table 2.1: Measures of productivity, growth rate over the year**

	<b>GDP per capita</b>	<b>RNNDI per capita</b>	<b>GDP per hour worked</b>	<b>GVA per hour worked—market sector</b>
<b>Quarter</b>	<b>(% change)</b>	<b>(% change)</b>	<b>(% change)</b>	<b>(% change)</b>
Dec-11	1.9	4.0	2.6	3.0
Dec-12	1.0	-1.8	1.9	3.7
Dec-13	0.8	0.3	2.1	1.7
Dec-14	0.6	-1.9	1.7	2.5
Dec-15	1.2	-2.4	0.2	0.9
Dec-16	1.0	4.9	1.5	1.9
Dec-17	0.8	0.0	-1.0	-1.4
Dec-18	0.7	2.2	0.9	1.4
Dec-19	0.8	1.9	0.4	-0.4
Dec-20	-1.1	2.4	2.3	3.3
Dec-21	4.0	4.1	2.0	2.3
Mar-22	2.5	1.6	2.8	3.0

Note: The percentage change is calculated in relation to the corresponding quarter of the previous year.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Table 2.2: Productivity growth and its components, growth rate over the year**

Quarter	National Accounts						Labour Force
	Total			Market Sector			Hours worked
	GDP	Hours worked	GDP/hour worked	GVA	Hours worked	GVA/hour worked	Hours worked
	(% change)	(% change)	(% change)	(% change)	(% change)	(% change)	(% change)
Dec-11	3.5	0.8	2.6	4.0	0.8	3.0	1.2
Dec-12	2.8	0.9	1.9	3.6	0.0	3.7	0.5
Dec-13	2.5	0.3	2.1	2.3	0.6	1.7	0.5
Dec-14	2.1	0.4	1.7	2.2	-0.3	2.5	0.2
Dec-15	2.7	2.5	0.2	2.6	1.6	0.9	2.8
Dec-16	2.7	1.2	1.5	2.2	0.3	1.9	0.9
Dec-17	2.3	3.4	-1.0	2.4	4.0	-1.4	3.2
Dec-18	2.3	1.4	0.9	1.8	0.3	1.4	1.7
Dec-19	2.3	2.0	0.4	2.0	2.5	-0.4	1.5
Dec-20	-0.7	-3.0	2.3	-2.0	-5.0	3.3	-1.9
Dec-21	4.4	2.4	2.0	5.4	3.0	2.3	2.2
Mar-22	3.3	0.6	2.8	4.2	1.2	3.0	0.9

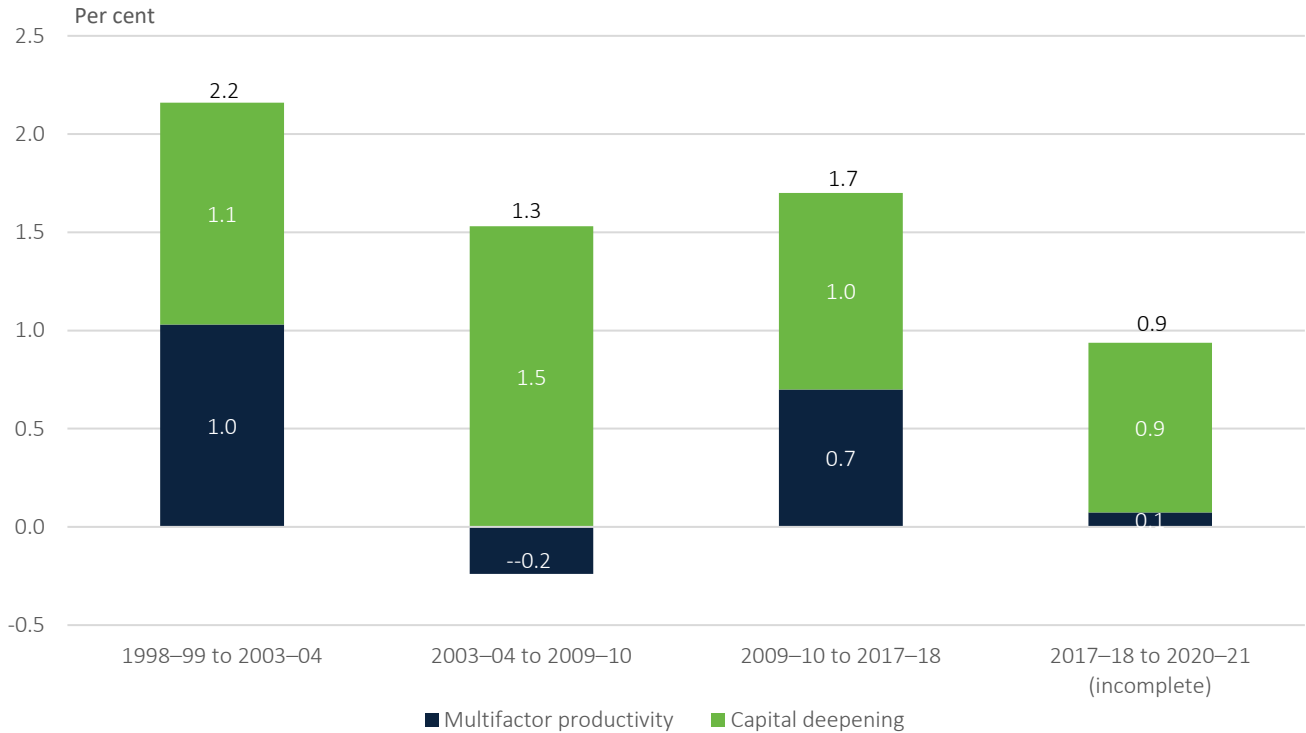
Note: The percentage changes are calculated in relation to the corresponding quarter of the previous year. Due to a temporary suspension in the trend series, hours worked data from the Labour Force are expressed in seasonally adjusted terms.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022; ABS, *Labour Force, Australia*, April 2022.





**Chart 2.2: Productivity cycles, average annual growth in the market sector**



Note: Multifactor productivity is measured as output per combined unit of labour and capital. Capital deepening is the component of labour productivity growth which is due to the increase in the amount of capital that each unit of labour has to work with. Labour productivity is represented by the numbers above the bars and is the sum of multifactor productivity and capital deepening. Due to rounding, the sum of multifactor productivity and capital deepening may not equal labour productivity. The current productivity cycle from 2017-18 is incomplete.

Source: ABS, *Australian System of National Accounts*, 2020-21 financial year; ABS, *Estimates of Industry Multifactor Productivity*, 2020-21 financial year.



**Table 2.3: Average annual change in labour and multifactor productivity by industry**

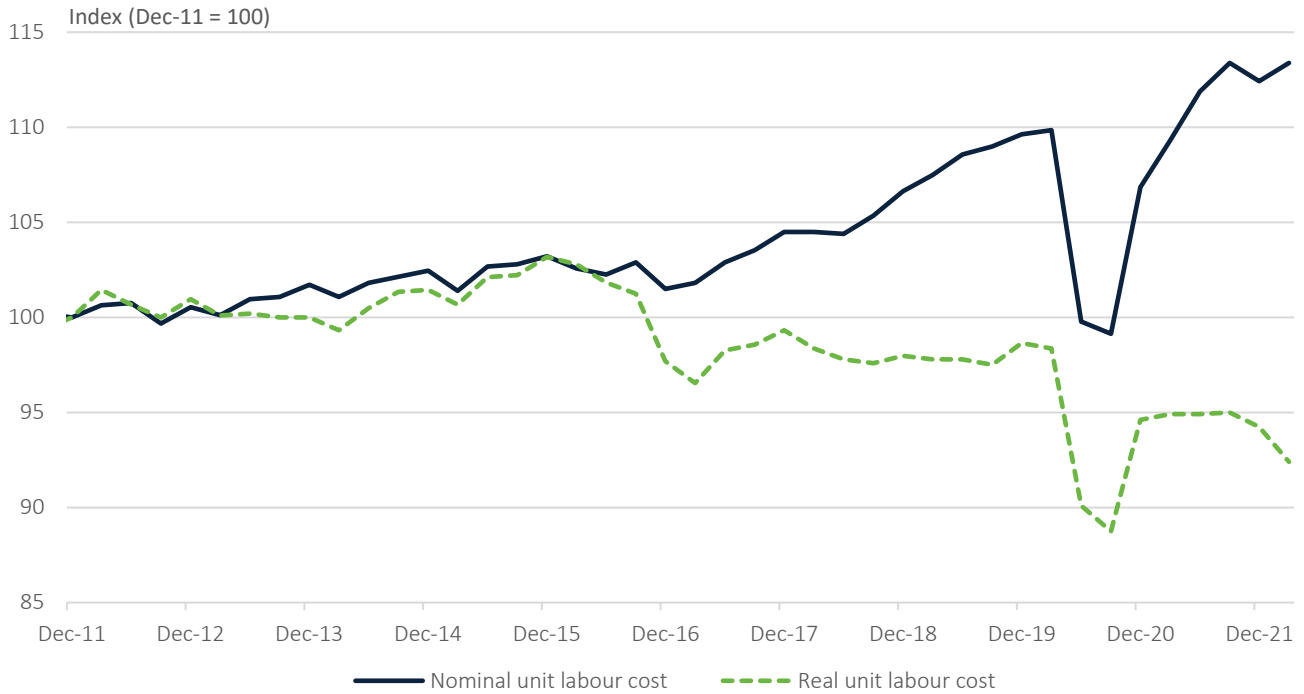
	2010–11 to 2020–21		2015–16 to 2020–21	
	Labour productivity	Multifactor productivity	Labour productivity	Multifactor productivity
	(% change)	(% change)	(% change)	(% change)
Agriculture, forestry and fishing	1.9	0.5	4.5	1.9
Mining	3.2	0.4	1.2	1.4
Manufacturing	0.6	0.5	0.2	0.5
Electricity, gas, water and waste services	–1.1	–1.7	–2.8	–2.4
Construction	0.6	–0.2	–0.4	–1.4
Wholesale trade	2.6	2.1	1.1	1.1
Retail trade	2.3	1.6	1.9	1.4
Accommodation and food services	–0.2	–0.1	–1.0	–1.1
Transport, postal and warehousing	–0.1	–1.2	–2.0	–2.8
Information, media and telecommunications	3.8	1.9	4.0	1.7
Financial and insurance services	0.3	1.0	–1.9	–0.2
Rental, hiring and real estate services	2.3	1.5	1.2	–0.3
Professional, scientific and technical services	1.5	1.1	1.9	1.5
Administrative and support services	0.6	0.6	1.2	1.1
Arts and recreation services	0.8	–0.1	–0.3	–1.2
Other services	1.2	0.2	1.6	0.4
<b>Market sector industries</b>	<b>1.6</b>	<b>0.6</b>	<b>0.9</b>	<b>0.4</b>

Note: Data are expressed in original terms. The market sector includes all industries except for Public administration and safety, Education and training and Health care and social assistance.

Source: ABS, *Estimates of Industry Multifactor Productivity*, 2020–21 financial year.



**Chart 2.3: Unit labour costs, index**

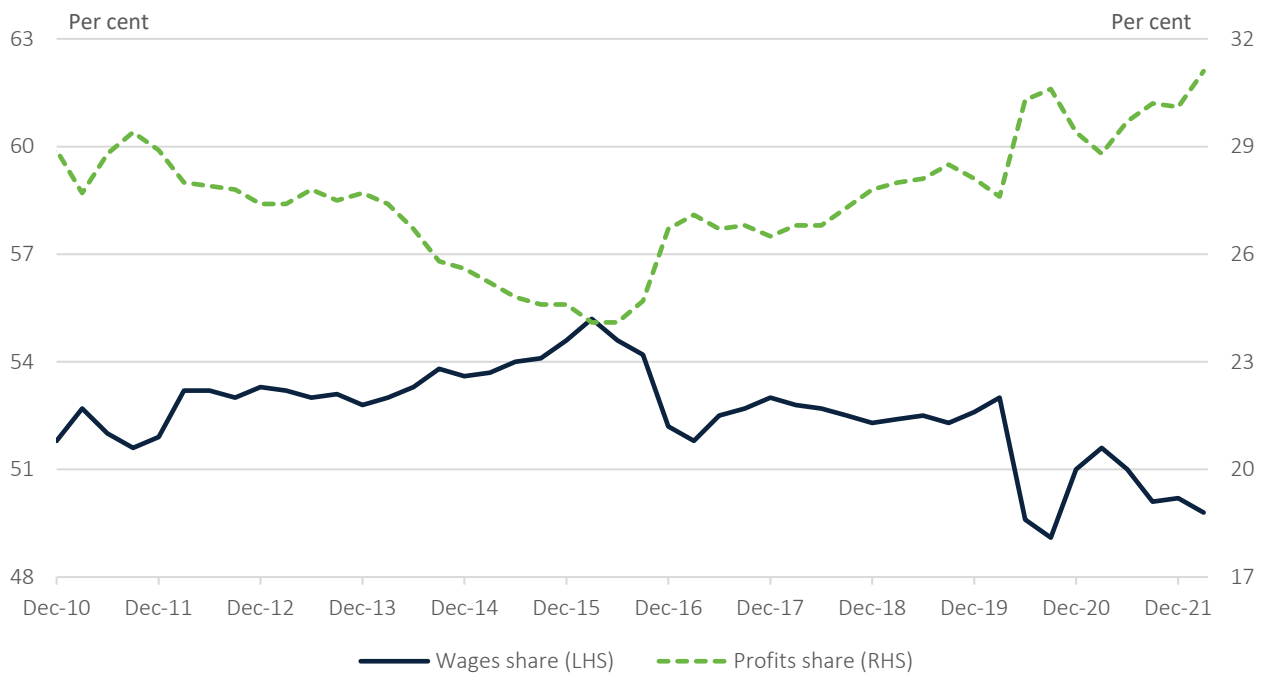


Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



# 3. Business competitiveness and viability

Chart 3.1: Profits and wages shares of total factor income



Note: Profits share represents the returns to capital in the process of production, and is expressed as total corporation gross operating surplus as a proportion of total factor income. Wages share represents the returns to labour in the process of production, and is expressed as total compensation of employees as a proportion of total factor income.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Table 3.1: Profits and wages shares of total factor income, year on year growth rates**

	Wages share of total factor income	Total compensation of employees	Profits share of total factor income	Total corporation gross operating surplus	Gross mixed income	Gross mixed income
Quarter	(%)	(% change)	(%)	(% change)	(%)	(% change)
Dec-11	51.9	6.6	28.9	6.6	9.0	3.9
Dec-12	53.3	4.3	27.4	-3.9	8.7	-2.3
Dec-13	52.8	3.5	27.7	5.8	8.7	5.3
Dec-14	53.6	2.9	25.6	-6.4	9.7	13.3
Dec-15	54.6	3.1	24.6	-2.7	9.4	-1.8
Dec-16	52.2	2.1	26.7	15.8	10.0	12.7
Dec-17	53.0	5.3	26.5	3.0	9.3	-2.9
Dec-18	52.3	4.7	27.8	11.2	8.9	0.7
Dec-19	52.6	5.2	28.1	5.7	8.4	-1.4
Dec-20	51.0	2.1	29.4	10.5	9.2	16.4
Dec-21	50.2	5.3	30.1	9.3	9.6	11.3
Mar-22	49.8	5.5	31.1	18.1	9.1	8.1

Note: Wages share is the compensation of employees expressed as a proportion of total factor income. Compensation of employees is defined as the total remuneration, in cash or in kind, payable by an enterprise to an employee in return for work done by the employee. Compensation of employees is not payable in respect of unpaid work undertaken voluntarily, including the work done by members of a household within an unincorporated enterprise owned by the same household. Compensation of employees excludes any taxes payable by the employer on the wage and salary bill (e.g. payroll tax).

Profits share represents the returns to capital in the process of production and is expressed as total corporation gross operating surplus as a proportion of total factor income. Gross operating surplus is defined as the operating surplus accruing to all enterprises, except unincorporated enterprises, from their operations in Australia. It is the excess of gross output over the sum of intermediate consumption, compensation of employees, and taxes less subsidies on production and imports. It is calculated before deduction of consumption of fixed capital, dividends, interest, royalties and land rent, and direct taxes payable, but after deducting the inventory valuation adjustment. Gross operating surplus is also calculated for general government and is equal to general government's consumption of fixed capital.

Gross mixed income is defined as the surplus or deficit accruing from production by unincorporated enterprises. It includes elements of both compensation of employees (returns on labour inputs) and operating surplus (returns on capital inputs).

The percentage change is calculated in relation to the corresponding quarter in the previous year.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022.



**Table 3.2: Wages share of total factor income, mining and non-mining industries**

	Mining		Non-mining	
	(%)	(% change)	(%)	(% change)
Jun-11	17.2	-3.1	56.1	1.1
Jun-12	21.0	3.8	55.9	-0.2
Jun-13	25.6	4.7	55.7	-0.2
Jun-14	23.1	-2.5	56.1	0.4
Jun-15	28.1	5.0	55.8	-0.3
Jun-16	29.6	1.6	56.3	0.5
Jun-17	19.7	-10.0	55.7	-0.6
Jun-18	18.2	-1.5	56.2	0.5
Jun-19	15.4	-2.8	56.9	0.8
Jun-20	15.4	0.0	56.3	-0.6
Jun-21	14.3	-1.1	55.3	-1.1

Note: Wages share is the compensation of employees expressed as a proportion of total factor income.

Source: ABS, *Australian System of National Accounts*, 2020–21 financial year.

**Table 3.3: Company gross operating profits, mining and non-mining industries, growth rates**

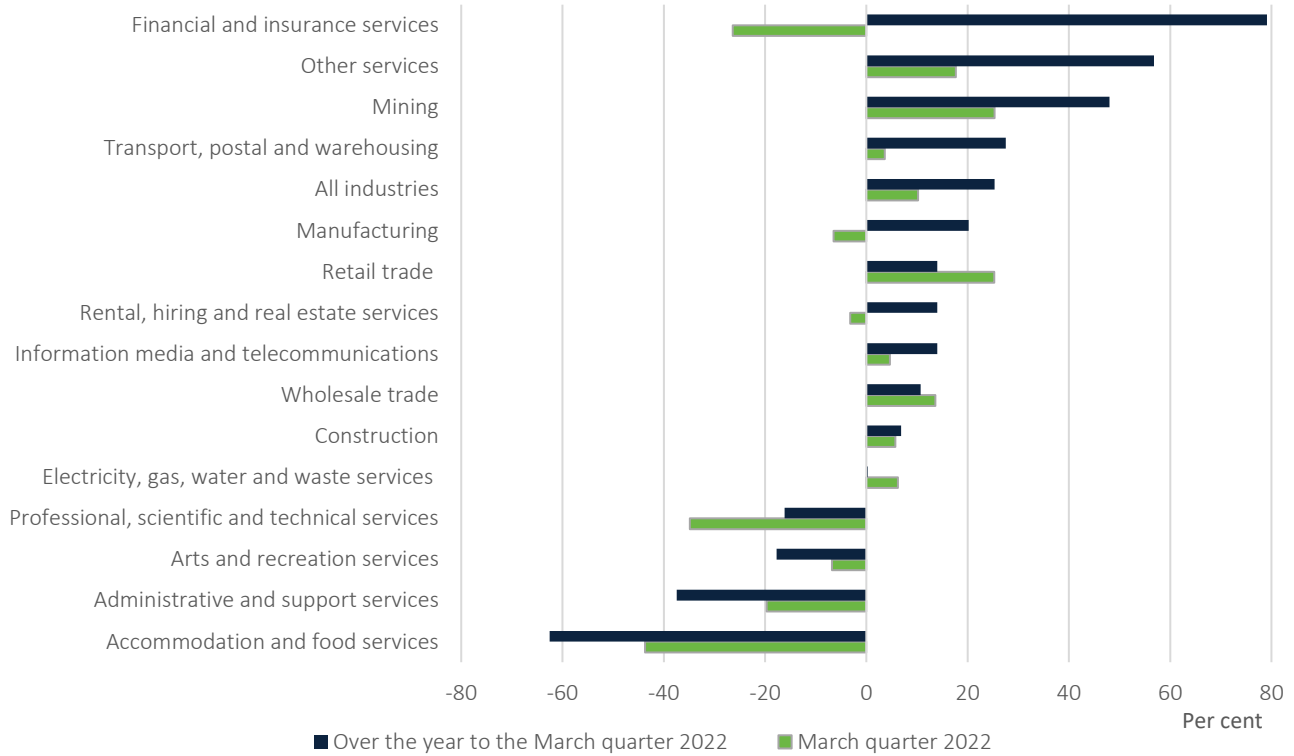
	Mining	Non-mining	Total
	(%)	(%)	(%)
Dec-11	4.4	1.2	2.3
Dec-12	-27.1	3.5	-7.4
Dec-13	37.0	1.3	11.2
Dec-14	-20.5	1.3	-6.2
Dec-15	-16.1	2.4	-3.0
Dec-16	78.1	10.7	27.7
Dec-17	2.4	6.3	4.9
Dec-18	28.1	3.0	11.6
Dec-19	8.0	0.9	3.7
Dec-20	3.5	23.6	15.3
Dec-21	37.3	0.7	14.2
Mar-22	48.0	8.5	25.3
<b>5 years to Mar-22*</b>	19.3	5.6	11.3
<b>10 years to Mar-22*</b>	13.6	4.9	8.3

Note: \*Average annual growth rates.

Source: ABS, *Business Indicators, Australia*, March 2022.



**Chart 3.2: Growth in gross operating profits, current prices, by industry**



Source: ABS, *Business Indicators, Australia*, March 2022.



**Table 3.4: Gross operating profits, current prices, by industry**

	March quarter 2021	December quarter 2021	March quarter 2022
	(\$ million)	(\$ million)	(\$ million)
Agriculture, forestry and fishing	n/a	n/a	n/a
Mining	47 750	56 393	70 676
Manufacturing	9738	12 514	11 708
Electricity, gas, water and waste services	4191	3956	4202
Construction	6945	7022	7423
Wholesale trade	8812	8586	9755
Retail trade	6122	5572	6981
Accommodation and food services	1809	1204	678
Transport, total and warehousing	4815	5925	6141
Information media and telecommunications	4299	4683	4900
Financial and insurance services	882	2147	1580
Rental, hiring and real estate services	6096	7180	6950
Professional, scientific and technical services	6202	7986	5202
Administrative and support services	1814	1413	1135
Public administration and safety	n/a	n/a	n/a
Education and training	n/a	n/a	n/a
Health care and social assistance	n/a	n/a	n/a
Arts and recreation services	1238	1093	1019
Other services	1295	1726	2031
<b>All industries</b>	<b>112 007</b>	<b>127 398</b>	<b>140 380</b>

Note: n/a = not available.

Source: ABS, *Business Indicators, Australia*, March 2022.





**Table 3.5: Profit margins, small and all businesses**

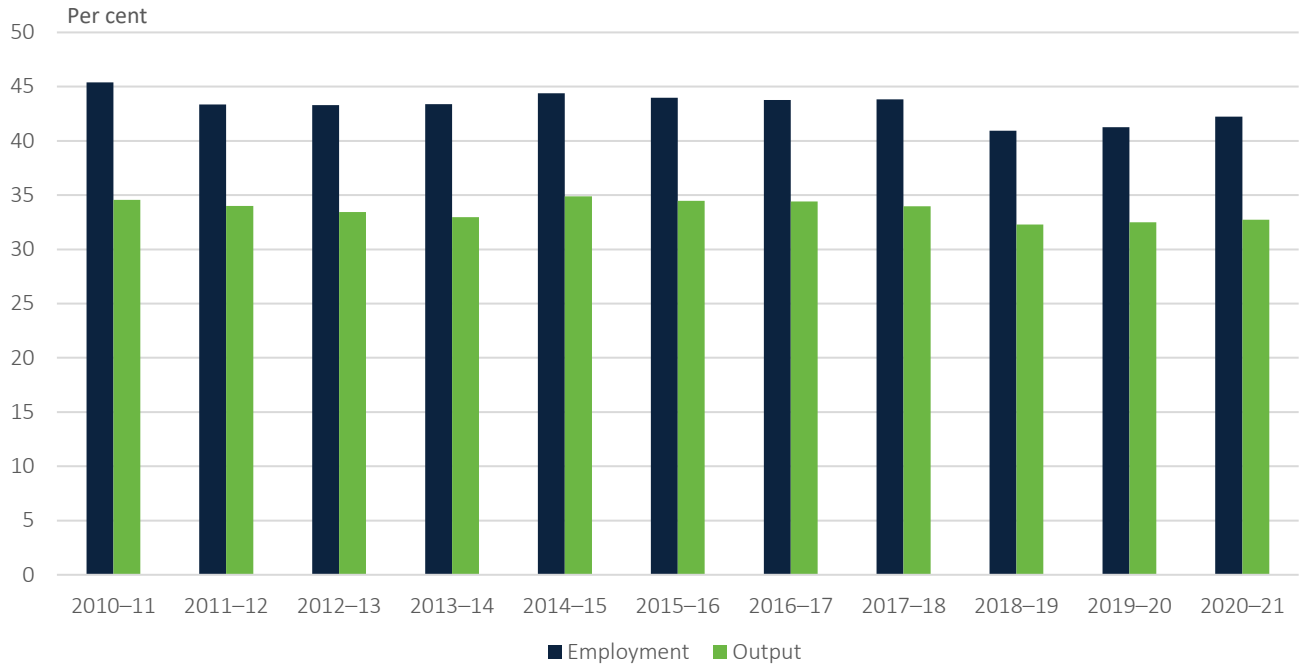
	Average over the 5 years to 2020–21		2020–21	
	Small	All	Small	All
	(%)	(%)	(%)	(%)
Agriculture, forestry and fishing	18.6	16.2	18.2	16.0
Mining	7.3	26.2	10.7	28.4
Manufacturing	10.3	7.5	12.8	7.6
Electricity, gas, water and waste services	10.5	11.7	12.0	12.0
Construction	14.4	10.3	16.8	11.2
Wholesale trade	4.1	4.0	6.1	4.6
Retail trade	7.5	4.7	9.2	6.2
Accommodation and food services	6.8	7.4	7.7	8.2
Transport, postal and warehousing	15.2	7.7	16.3	7.1
Information media and telecommunications	14.8	5.2	21.0	4.8
Financial and insurance services	n/a	n/a	n/a	n/a
Rental, hiring and real estate services	57.5	50.0	54.5	43.4
Professional, scientific and technical services	21.6	25.9	23.5	26.8
Administrative and support services	17.3	8.2	19.0	9.6
Public administration and safety (private)	13.6	7.5	14.7	9.0
Education and training (private)	23.0	14.7	24.1	11.8
Health care and social assistance (private)	39.7	22.3	40.4	20.7
Arts and recreation services	24.8	13.4	32.0	16.3
Other services	18.2	13.6	17.6	14.4
<b>Total selected industries</b>	<b>18.1</b>	<b>12.7</b>	<b>19.3</b>	<b>13.3</b>

Note: Profit margins are operating profits before tax divided by sales and service income. Small businesses employ less than 20 people (including non-emplying businesses). Total selected industries excludes Financial and insurance services. n/a = not available.

Source: ABS, *Australian Industry*, 2020–21 financial year.



**Chart 3.3: Small business share of private sector output and employment**

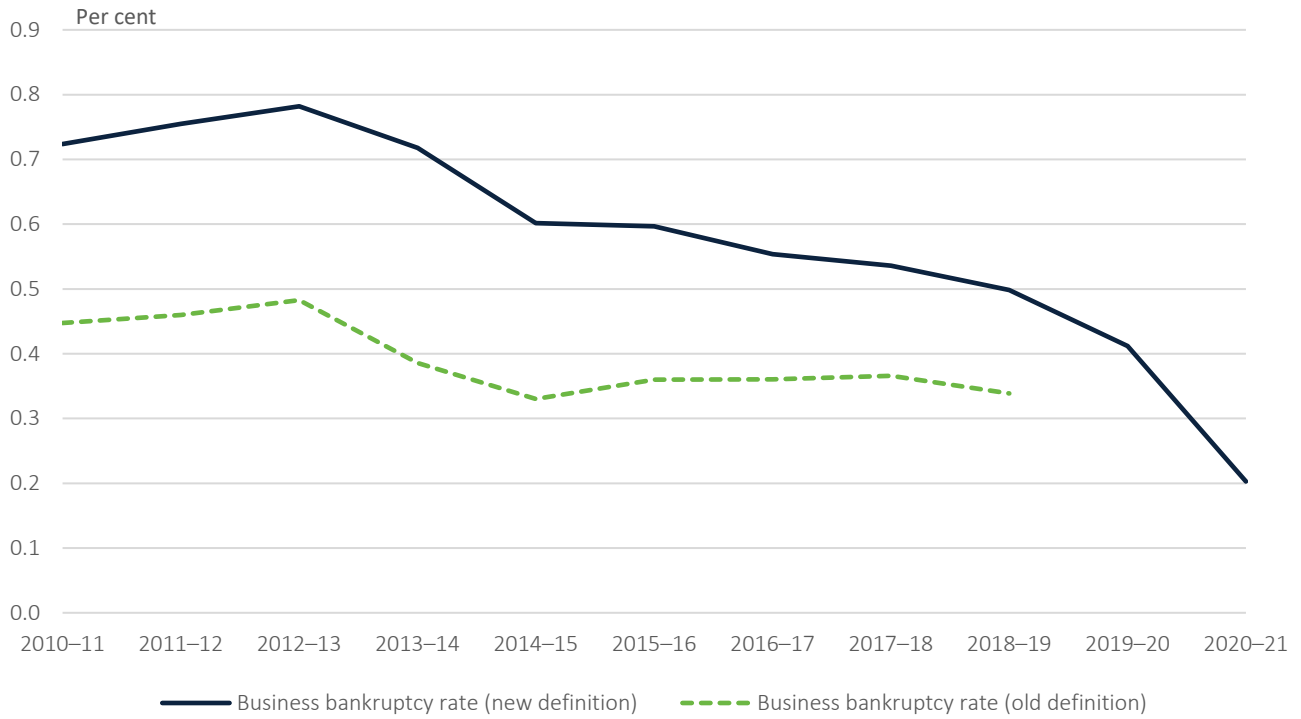


Note: Small businesses are those that employ less than 20 employees (including non-employing businesses).

Source: ABS, *Australian Industry*, 2020-21 financial year.



**Chart 3.4: Business bankruptcy rates**



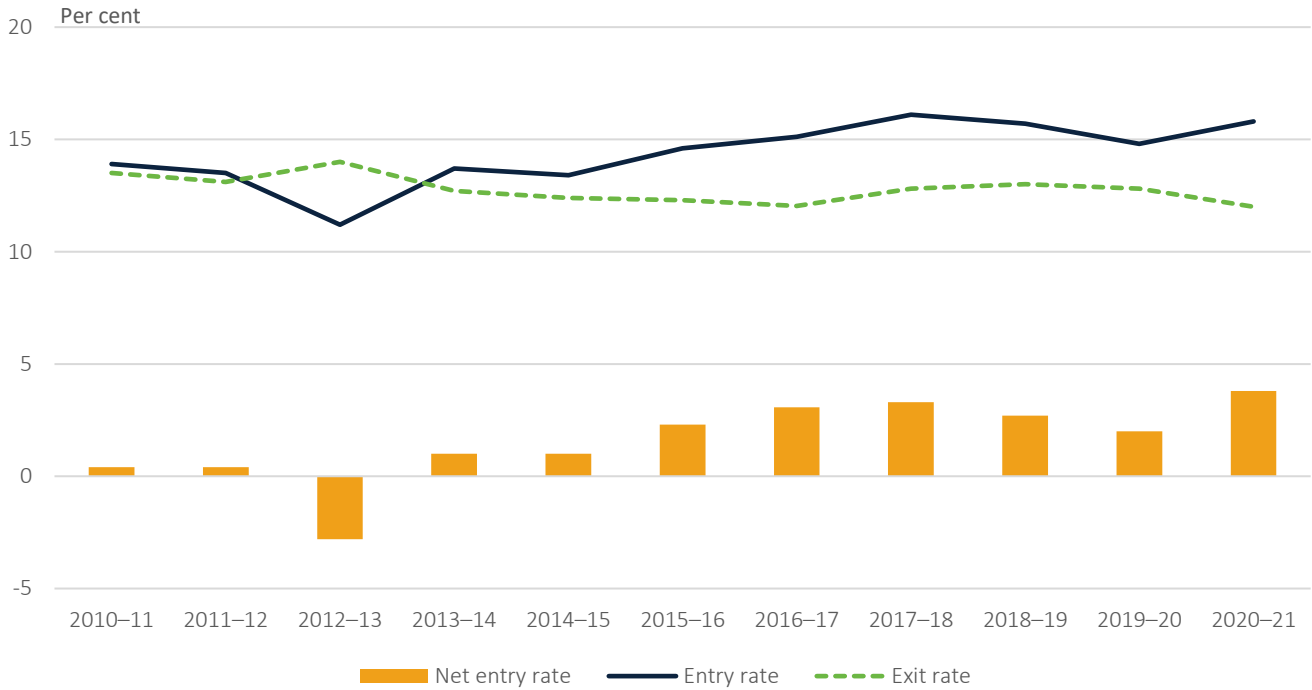
Note: The bankruptcy rate is the 'number of business-related bankruptcies divided by the number of owner managers of an unincorporated enterprise. The business bankruptcy rate is adopted from Bickerdyke I, Lattimore R, and Madge A (2000), *Business Failure and Change: An Australian Perspective*, Productivity Commission Staff Research Paper, Ausinfo, Canberra. Data are expressed in original terms.

The method of defining a business-related bankruptcy changed in 2020. A business-related bankruptcy was previously identified if the *main cause* of bankruptcy was from a business-related case. Under the new definition, a business-related case can be reported as *one of many* reasons causing bankruptcy and the debtor must have operated a business in the last 5 years. Data from 2007-08 has been revised to reflect this change.

Source: ABS, *Labour Force, Australia, Detailed*, February 2022; Australian Financial Security Authority, *Quarterly personal insolvency statistics*, December quarter 2021, <<https://www.afsa.gov.au/about-us/statistics/quarterly-personal-insolvency-statistics>>.



**Chart 3.5: Business entry, exit and net entry rates**

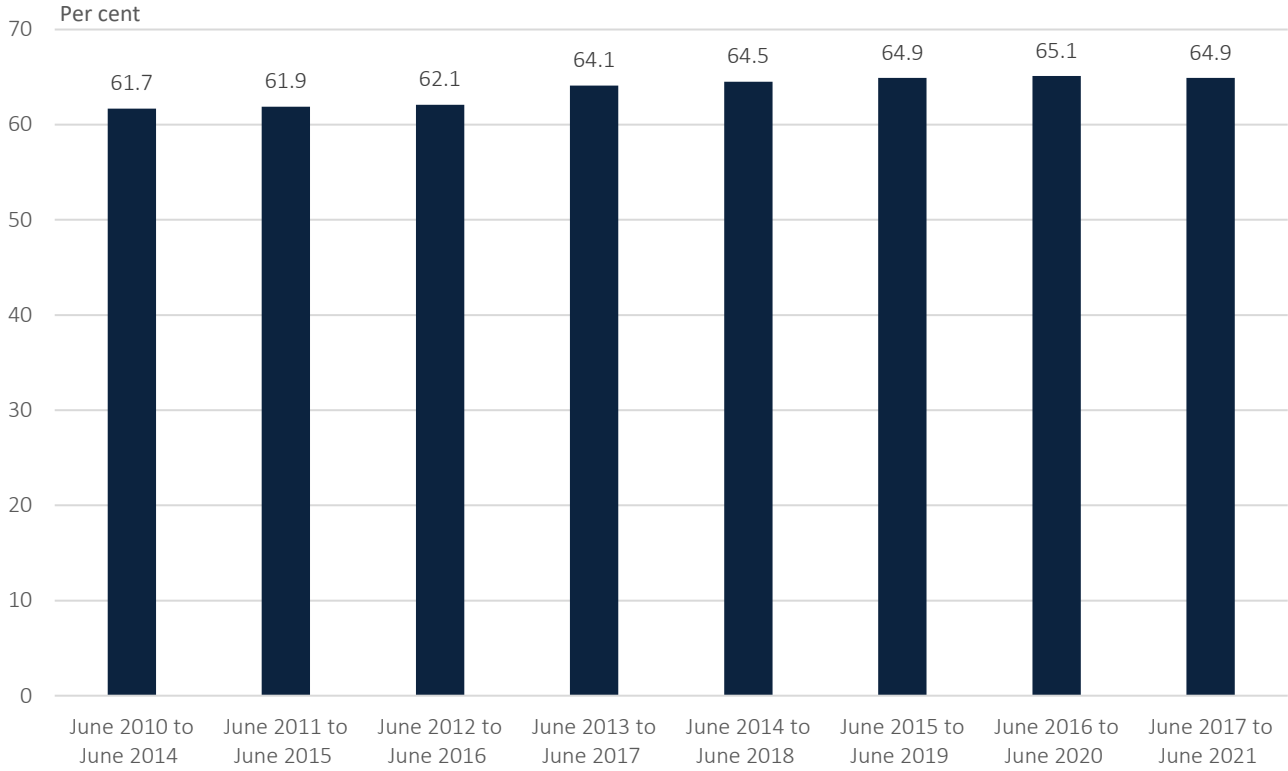


Note: Entry rates are business entries in the financial year as a proportion of total businesses operating at the start of the financial year. Exit rates are total business exits in the financial year as a proportion of total businesses operating at the start of the financial year. Net entry rates are the difference between the entry and exit rates and represent the percentage growth in the number of businesses over the respective financial year.

Source: ABS, *Counts of Australian Businesses, Including Entries and Exits*, various.



**Chart 3.6: Business survival rates**



Note: A surviving business is defined as a business which was actively trading in the first period and continued to be trading in the second period.

Source: ABS, Counts of Australian Businesses, Including Entries and Exits, various.



**Table 3.6: Business entry and exit rates by industry**

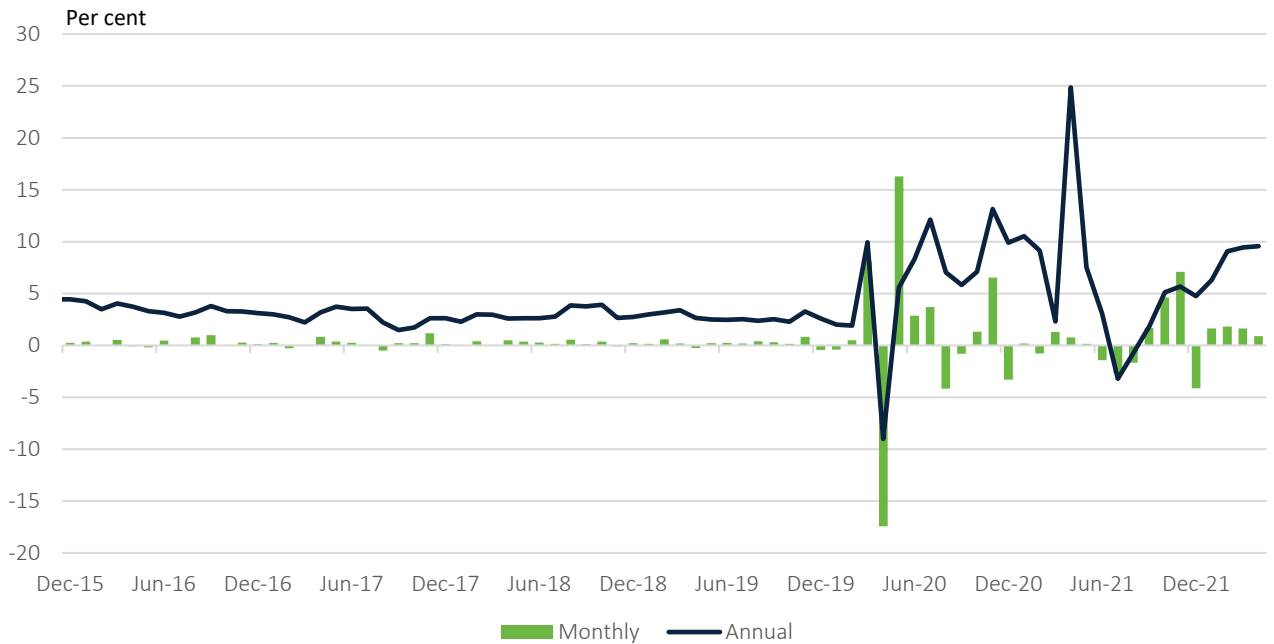
	2017–18			2020–21		
	Proportion of businesses (June 2018)	Entry rate	Exit rate	Proportion of businesses (June 2021)	Entry rate	Exit rate
	(%)	(%)	(%)	(%)	(%)	(%)
Agriculture, forestry and fishing	8.0	7.2	8.1	7.2	8.2	7.4
Mining	0.4	11.7	12.1	0.3	12.5	12.1
Manufacturing	3.8	11.8	11.3	3.6	13.2	9.9
Electricity, gas, water and waste services	0.3	17.6	12.4	0.3	16.3	11.5
Construction	17.4	17.1	14.1	17.1	17.1	12.8
Wholesale trade	3.6	13.6	12.9	3.4	14.5	11.6
Retail trade	6.1	13.9	13.6	6.0	18.2	11.9
Accommodation and food services	4.4	18.2	16.2	4.4	17.9	12.8
Transport, postal and warehousing	8.0	33.6	16.8	8.1	18.6	21.4
Information media and telecommunications	1.0	18.2	15.4	1.0	17.8	13.2
Financial and insurance services	4.6	15.7	12.6	4.7	16.4	11.6
Rental, hiring and real estate services	11.6	11.3	9.4	11.4	12.0	8.8
Professional, scientific and technical services	12.9	16.7	13.3	13.2	16.6	11.8
Administrative and support services	4.2	21.3	15.6	4.5	20.3	15.1
Public administration and safety	0.3	20.7	18.1	0.3	16.5	18.0
Education and training	1.4	18.0	13.8	1.5	17.7	12.0
Health care and social assistance	6.1	13.1	8.6	6.6	15.2	8.0
Arts and recreation services	1.3	17.0	13.1	1.4	17.1	11.7
Other services	4.5	16.2	12.6	4.8	17.9	10.6
<b>All industries</b>	<b>100.0</b>	<b>16.1</b>	<b>12.8</b>	<b>100.0</b>	<b>15.8</b>	<b>12.0</b>

Note: Entry rates are business entries in the financial year as a proportion of total businesses operating at the start of the financial year. Exit rates are total business exits in the financial year as a proportion of total businesses operating at the start of the financial year. The data for those business that were not able to be classified to an industry are not presented but are included in the all industries total. Of all businesses that were actively trading as at June 2018 and June 2021, 0.3 per cent and 0.1 per cent, respectively, were not classified to an industry.

Source: ABS, *Counts of Australian Businesses, Including Entries and Exits*, July 2017 to June 2021.

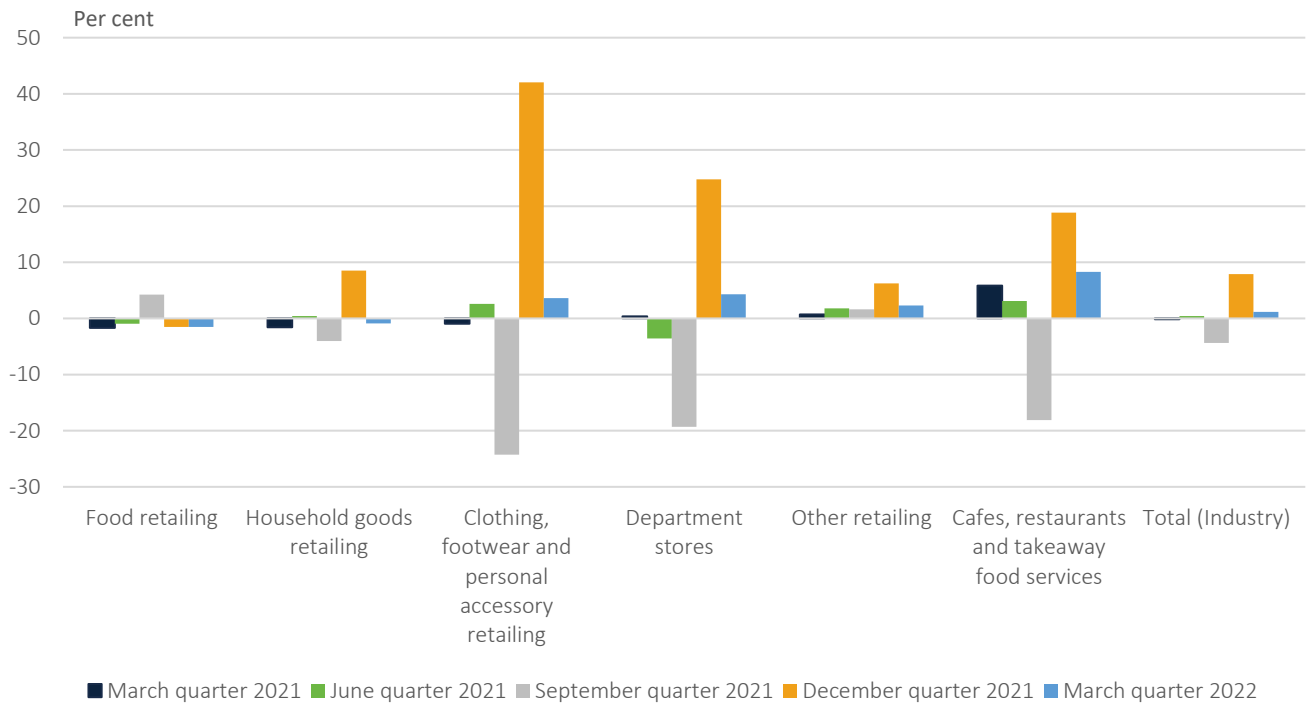


**Chart 3.7: Monthly retail turnover growth, current prices**



Source: ABS, *Retail Trade, Australia*, April 2022.

**Chart 3.8: Change in quarterly retail turnover, by industry group**

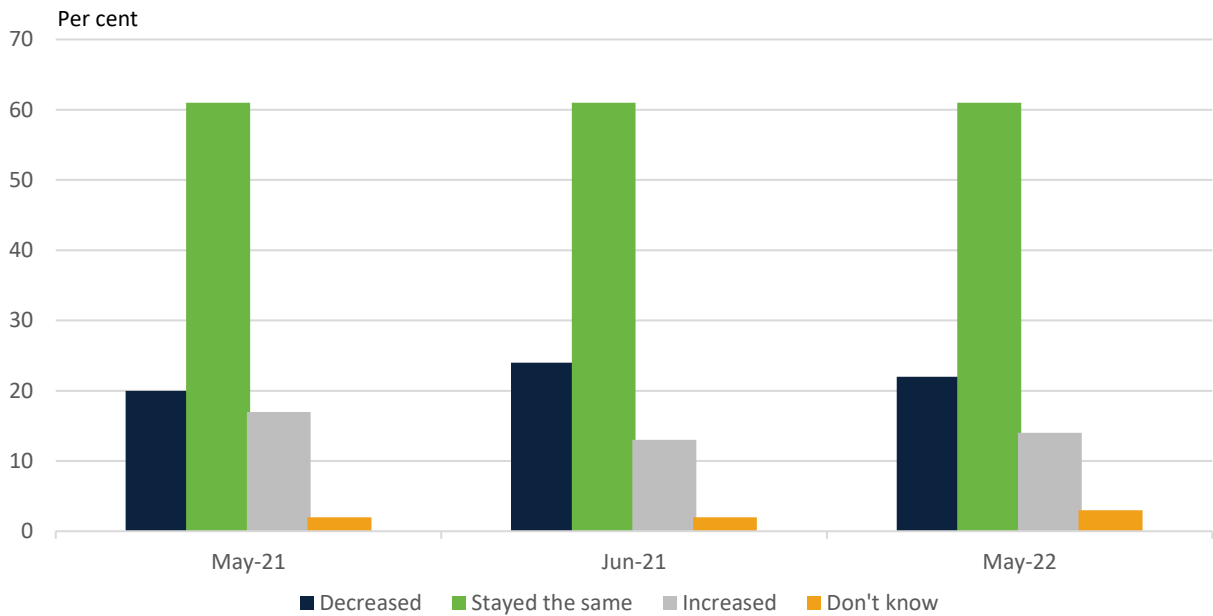


Note: Data are expressed in chain volume terms.

Source: ABS, *Retail Trade, Australia*, March 2022.



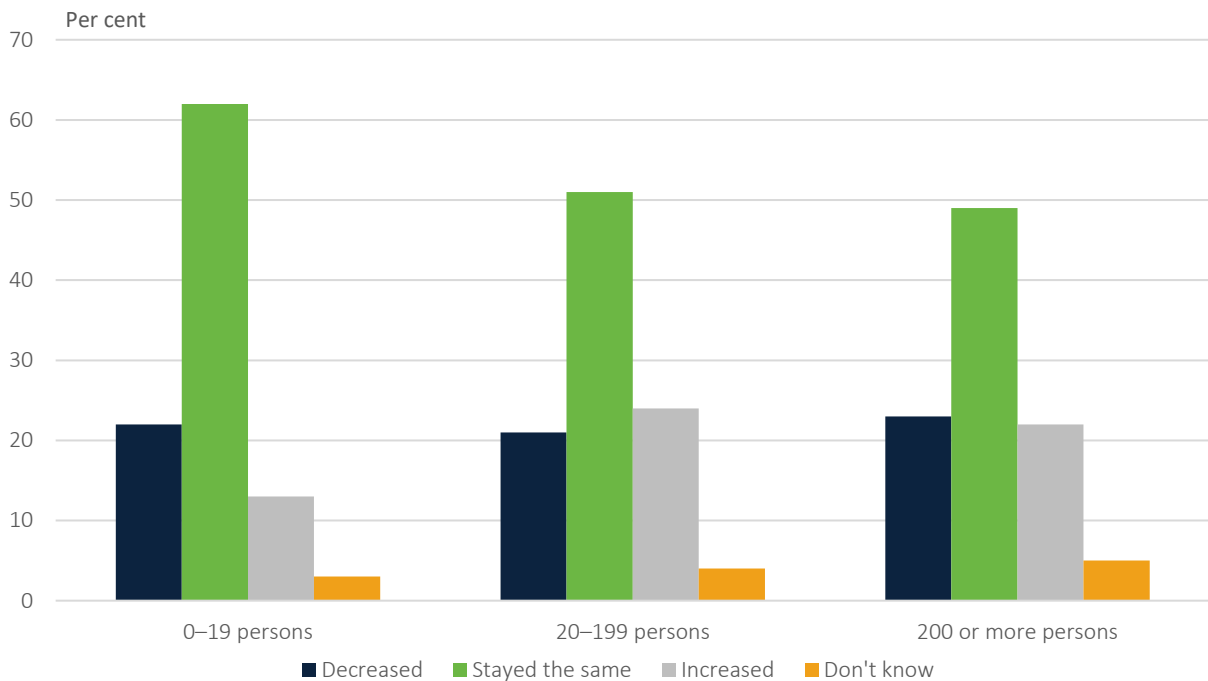
**Chart 3.9: Change in business revenue over the last month, May 2021 to May 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business conditions and sentiments*, May 2022.

**Chart 3.10: Change in business revenue over the last month, by employment size, May 2022**



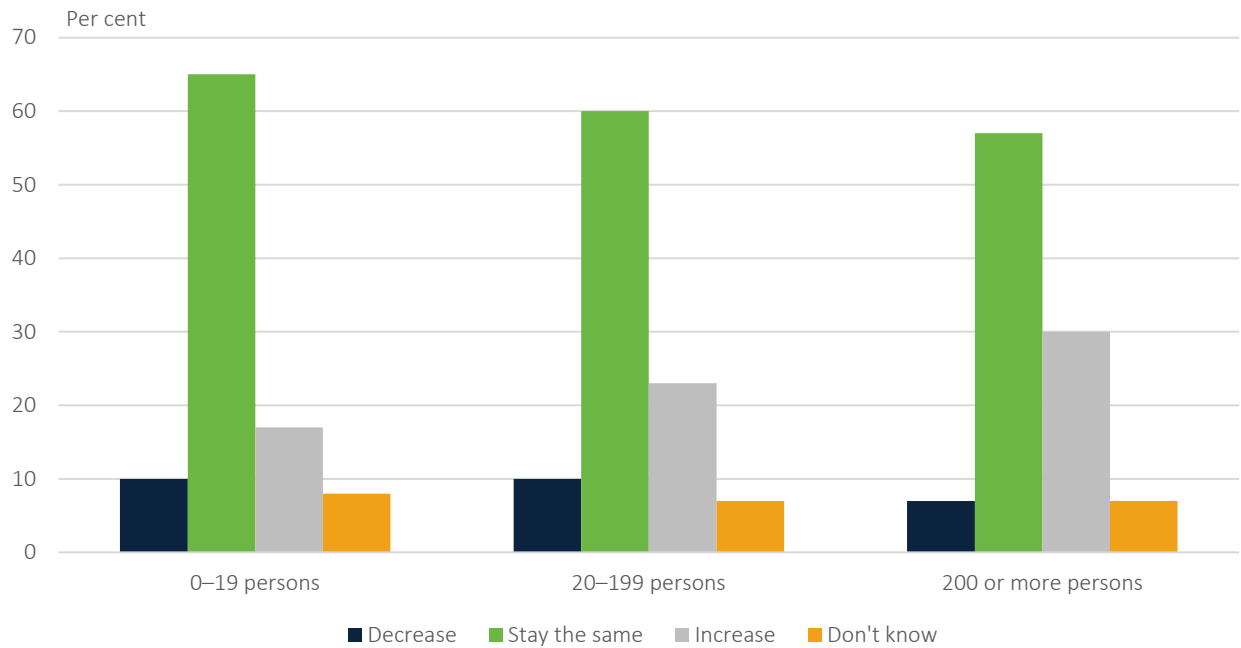
Note: Proportions are of all businesses.

Source: ABS, *Business conditions and sentiments*, May 2022.





**Chart 3.11: Expected change in business revenue over the next month, by employment size, May 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business conditions and sentiments*, May 2022.



**Table 3.7: Changes in business revenue and operating expenses over the last month, by industry, May 2022**

	Revenue				Expenses			
	Decreased (%)	Stayed the same (%)	Increased (%)	Don't know (%)	Decreased (%)	Stayed the same (%)	Increased (%)	Don't know (%)
Agriculture, forestry and fishing	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mining	17	61	20	2	1	64	33	2
Manufacturing	22	56	22	1	5	32	63	1
Electricity, gas, water and waste services	23	68	9	0	4	52	44	0
Construction	15	67	9	9	0	36	64	0
Wholesale trade	28	55	16	1	14	47	39	0
Retail trade	46	38	16	1	5	67	28	0
Accommodation and food services	22	49	29	0	0	38	62	0
Transport, postal and warehousing	21	73	6	0	0	52	47	0
Information media and telecommunications	20	69	11	1	5	65	30	1
Financial and insurance services	24	62	15	0	5	71	24	0
Rental, hiring and real estate services	6	72	18	5	0	72	28	0
Professional, scientific and technical services	14	74	12	0	0	71	29	0
Administrative and support services	8	68	18	5	1	53	46	0
Public administration and safety	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Education and training	21	55	17	8	8	60	31	0
Health care and social assistance	27	62	11	0	0	70	30	0
Arts and recreation services	29	53	12	6	0	42	52	6
Other services	40	41	10	10	5	46	40	10
<b>All industries</b>	<b>22</b>	<b>61</b>	<b>14</b>	<b>3</b>	<b>2</b>	<b>54</b>	<b>43</b>	<b>1</b>

Note: n/a = not available. Proportions are of all businesses in each industry.

Source: ABS, *Business Conditions and Sentiments*, May 2022.



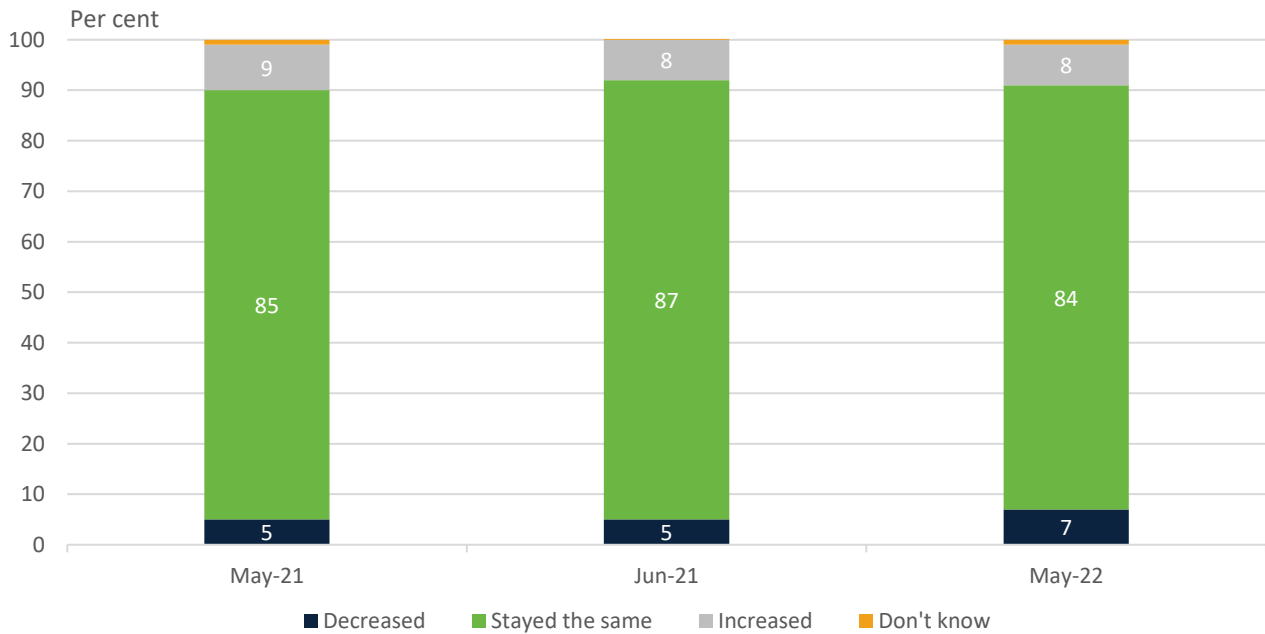
**Table 3.8: Expected change in business revenue and operating expenses over the next month, by industry, May 2022**

	Revenue				Expenses			
	Decreased	Stayed the same	Increased	Don't know	Decreased	Stayed the same	Increased	Don't know
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Agriculture, forestry and fishing	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Mining	15	65	17	3	7	68	19	5
Manufacturing	15	29	29	27	0	43	43	14
Electricity, gas, water and waste services	14	64	18	4	0	60	35	4
Construction	6	79	6	9	0	44	50	6
Wholesale trade	10	56	29	5	0	56	34	9
Retail trade	10	63	21	6	5	77	13	5
Accommodation and food services	7	56	27	10	5	45	44	5
Transport, postal and warehousing	1	78	6	15	0	48	51	0
Information media and telecommunications	15	56	24	5	6	55	35	5
Financial and insurance services	14	57	29	0	5	71	24	0
Rental, hiring and real estate services	22	55	18	5	0	68	27	5
Professional, scientific and technical services	8	71	17	3	3	69	28	0
Administrative and support services	6	68	15	12	5	69	20	6
Public administration and safety	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Education and training	19	62	15	4	8	63	24	5
Health care and social assistance	5	62	24	9	0	74	25	0
Arts and recreation services	29	48	17	6	1	53	40	6
Other services	15	65	10	10	0	36	30	34
<b>All industries</b>	<b>10</b>	<b>65</b>	<b>17</b>	<b>8</b>	<b>2</b>	<b>58</b>	<b>34</b>	<b>7</b>

Note: n/a = not available. Proportions are of all businesses in each industry.

Source: ABS, *Business Conditions and Sentiments*, May 2022.

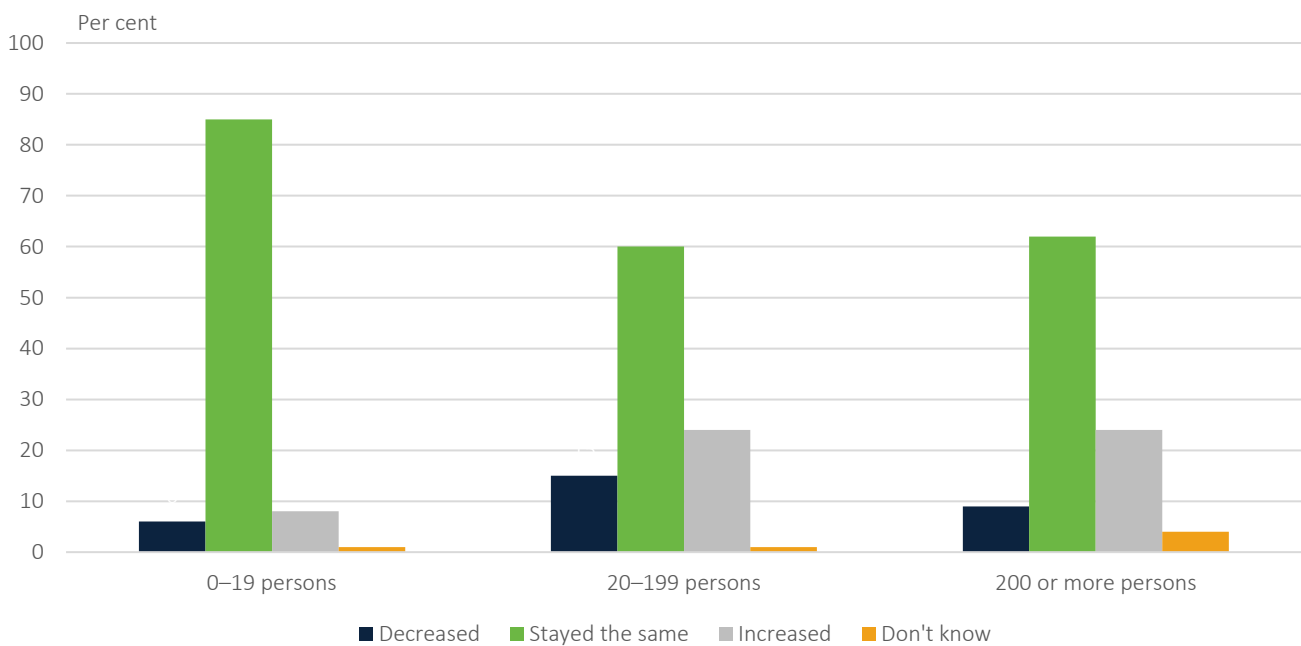
**Chart 3.12: Change in the number of employees over the last month, May 2021 to May 2022**



Note: Proportions are of all businesses. Data labels for those who 'Don't know' the change in employees over the last month are not presented.

Source: ABS, *Business Conditions and Sentiments*, May 2022; ABS, *Business Conditions and Sentiments*, June 2021; ABS, *Business Conditions and Sentiments*, May 2021.

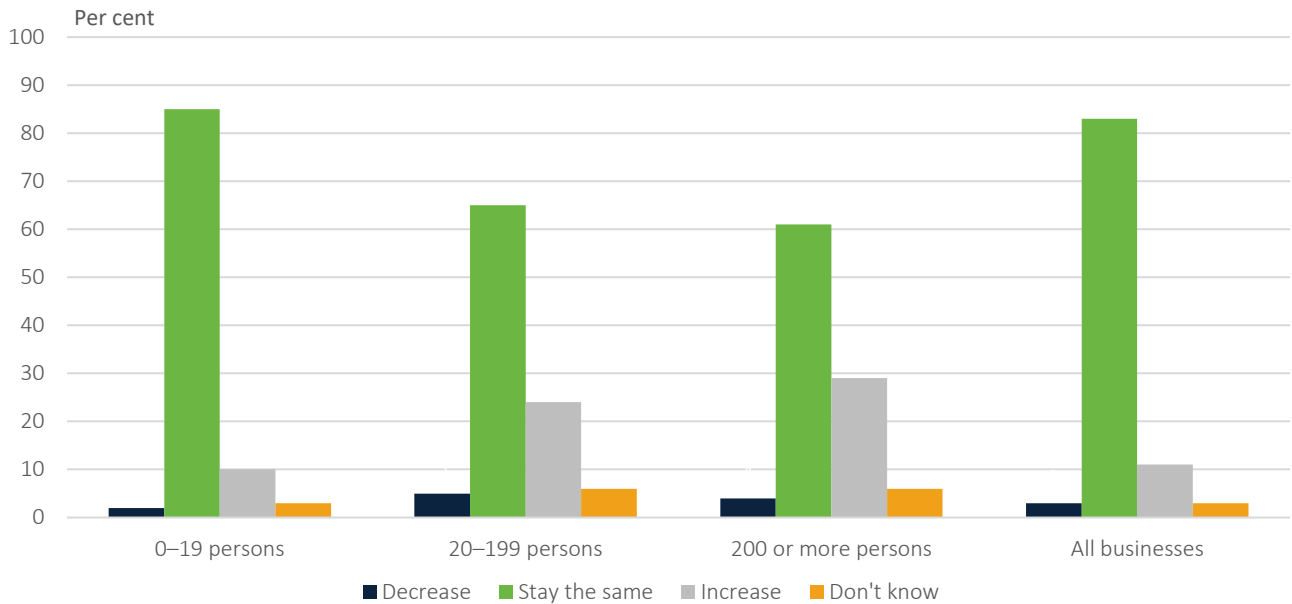
**Chart 3.13: Change in the number of employees over the last month, by employment size, May 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, May 2022.

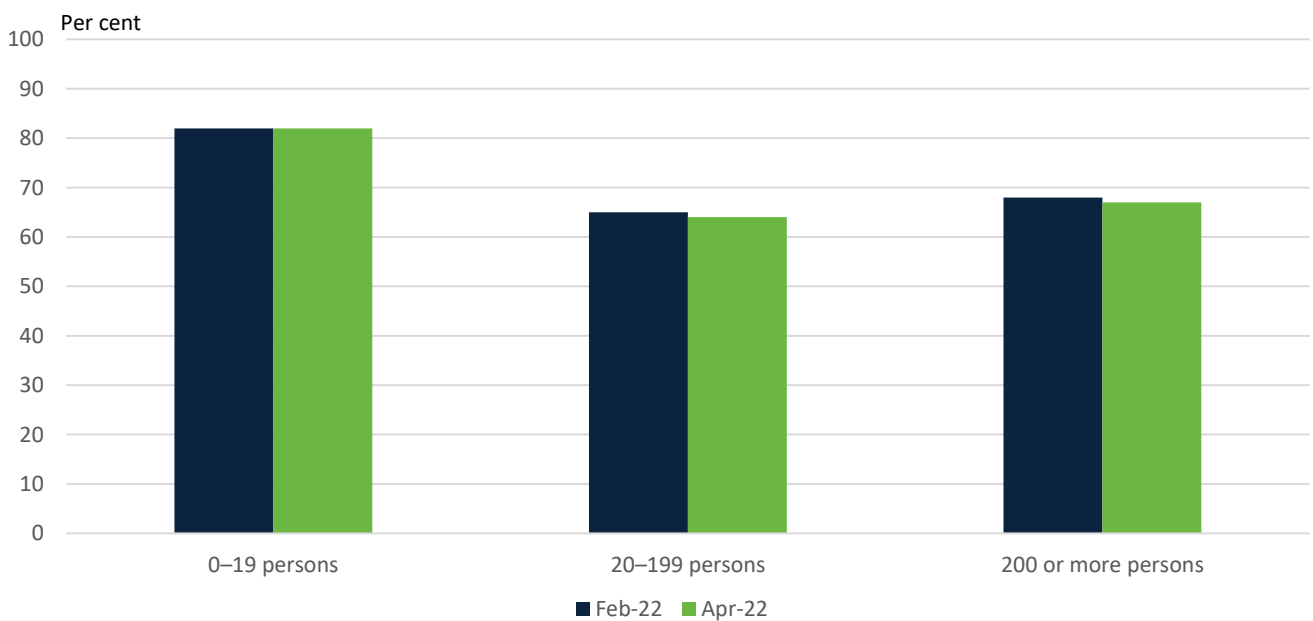
**Chart 3.14: Expected change in the number of employees over the next month, by employment size, May 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, May 2022.

**Chart 3.15: Proportion of businesses that have a sufficient number of employees based on current operations, by employment size, February 2022 and April 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, April 2022.



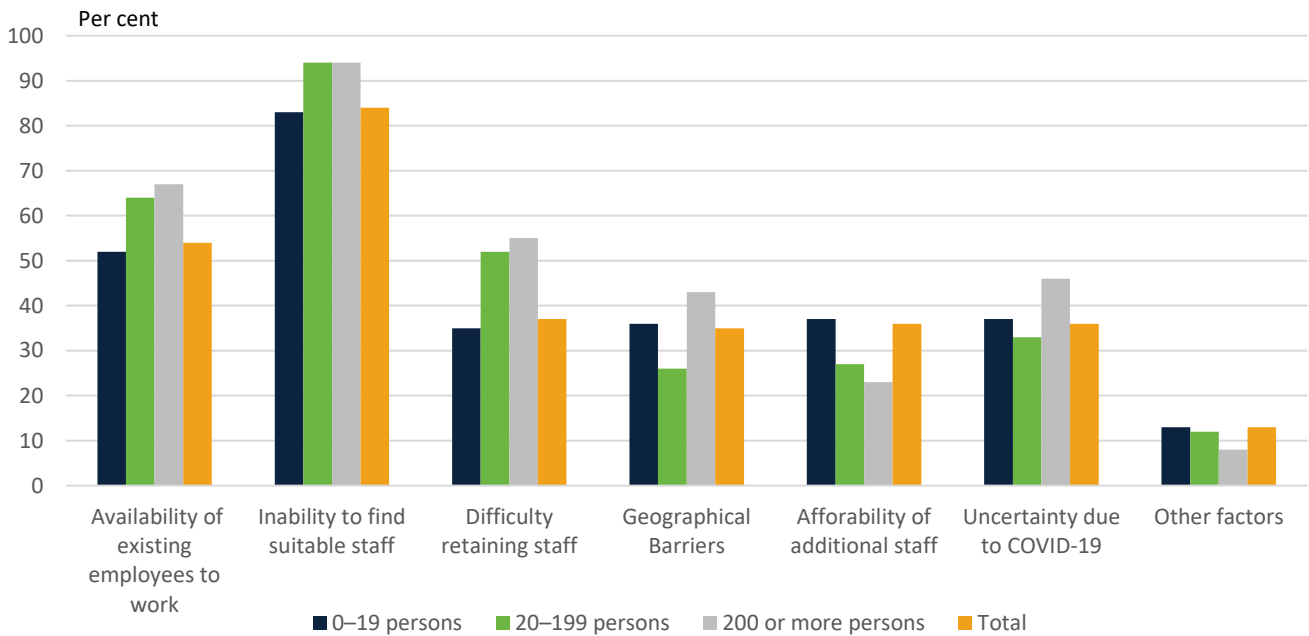
**Table 3.9: Proportion of businesses that have a sufficient number of employees based on current operations, by industry, February 2022 and April 2022**

	February 2022 (%)	April 2022 (%)
Agriculture, forestry and fishing	n/a	n/a
Mining	79	89
Manufacturing	80	71
Electricity, gas, water and waste services	90	72
Construction	91	84
Wholesale trade	82	83
Retail trade	82	97
Accommodation and food services	70	73
Transport, postal and warehousing	89	93
Information media and telecommunications	99	86
Financial and insurance services	93	93
Rental, hiring and real estate services	74	87
Professional, scientific and technical services	75	74
Administrative and support services	75	63
Public administration and safety	n/a	n/a
Education and training	78	74
Health care and social assistance	93	85
Arts and recreation services	69	86
Other services	71	72
<b>All industries</b>	<b>81</b>	<b>81</b>

Note: n/a = not available. Proportions are of all businesses in each industry.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, April 2022.

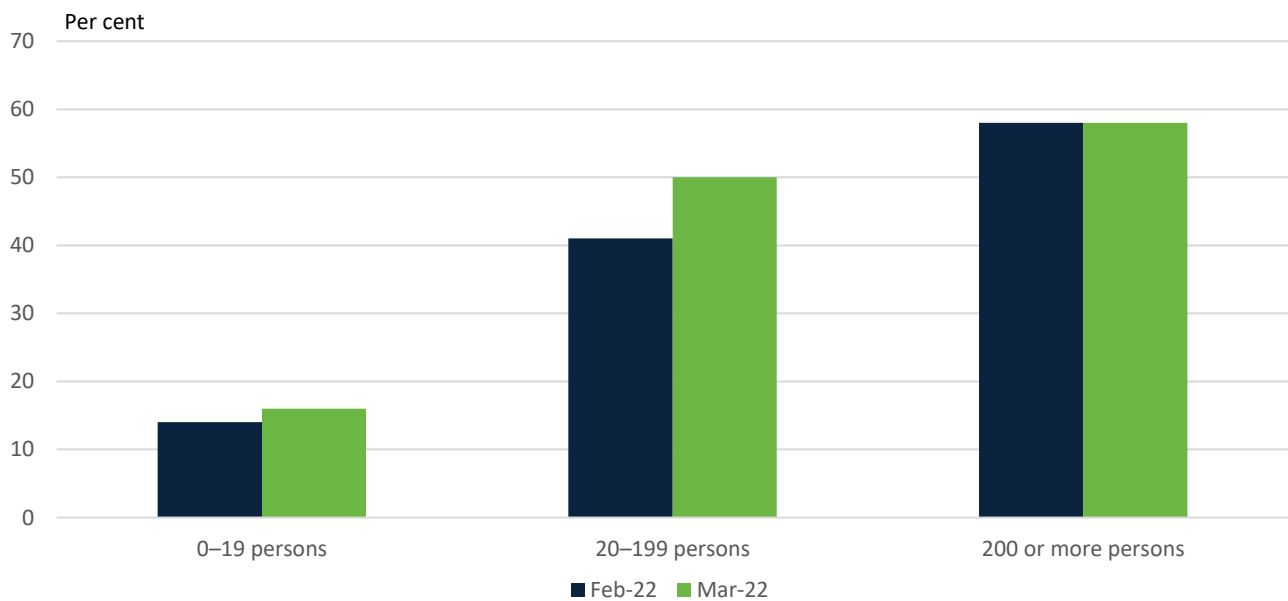
**Chart 3.16: Factors influencing staffing levels for businesses that do not have sufficient employees, by employment size, April 2022**



Note: Businesses can select more than one response.

Source: ABS, *Business Conditions and Sentiments*, April 2022.

**Chart 3.17: Proportion of existing employees that are unavailable due to factors related to COVID-19, by employment size, February 2022 to March 2022**



Note: Proportions are of all employing businesses.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, March 2022.



**Table 3.10: Proportion of existing employees that are unavailable due to factors related to COVID-19, by industry, February 2022 to March 2022**

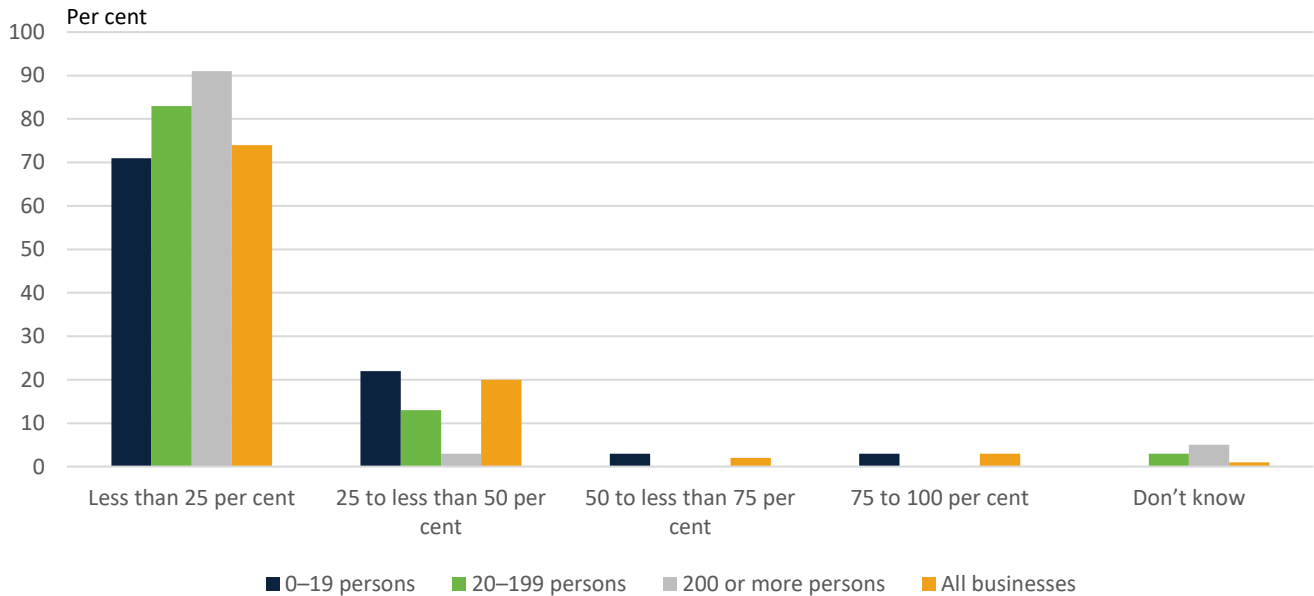
	February 2022 (%)	March 2022 (%)
Agriculture, forestry and fishing	n/a	n/a
Mining	13	12
Manufacturing	16	9
Electricity, gas, water and waste services	5	13
Construction	23	21
Wholesale trade	12	16
Retail trade	19	17
Accommodation and food services	18	43
Transport, postal and warehousing	2	10
Information media and telecommunications	22	39
Financial and insurance services	1	1
Rental, hiring and real estate services	8	20
Professional, scientific and technical services	1	12
Administrative and support services	37	20
Public administration and safety	n/a	n/a
Education and training	24	28
Health care and social assistance	21	22
Arts and recreation services	19	21
Other services	19	11
<b>All industries</b>	<b>15</b>	<b>19</b>

Note: Proportions are of all employing businesses.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, March 2022.



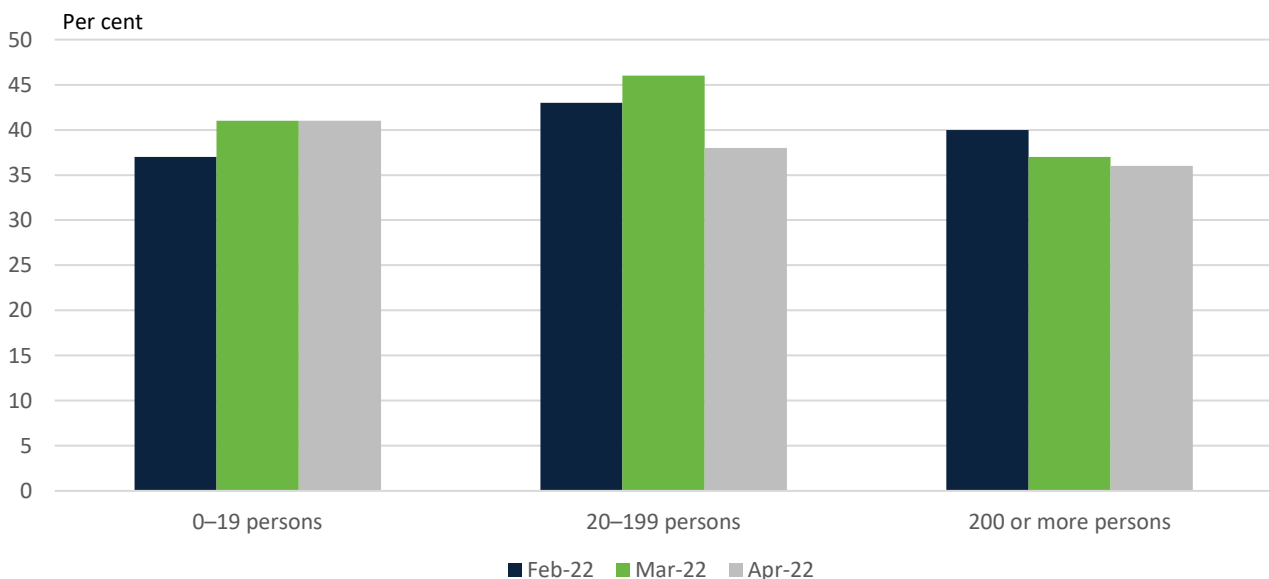
**Chart 3.18: Proportion of workforce of affected businesses that are impacted by COVID-19 and unable to work, by employment size, February 2022**



Note: Proportions are of all employing businesses with existing employees unavailable to work due to COVID-19.

Source: ABS, *Business Conditions and Sentiments*, February 2022.

**Chart 3.19: Proportion of businesses currently experiencing supply chain disruptions, by employment size, February 2022 to April 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, March 2022; ABS, *Business Conditions and Sentiments*, April 2022.



**Table 3.11: Proportion of businesses currently experiencing supply chain disruptions, by industry, February 2022 to April 2022**

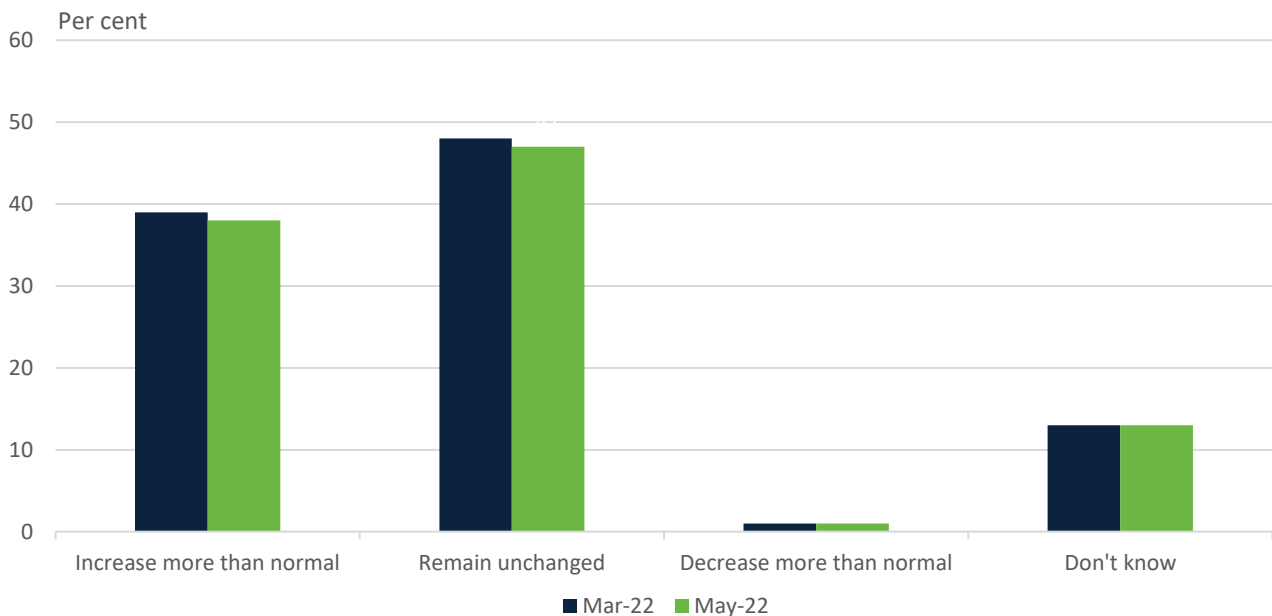
	February 2022 (%)	March 2022 (%)	April 2022 (%)
Agriculture, forestry and fishing	n/a	n/a	n/a
Mining	37	31	27
Manufacturing	58	75	52
Electricity, gas, water and waste services	24	32	29
Construction	43	58	54
Wholesale trade	57	64	51
Retail trade	65	81	84
Accommodation and food services	48	47	67
Transport, postal and warehousing	13	19	21
Information media and telecommunications	31	33	25
Financial and insurance services	11	19	15
Rental, hiring and real estate services	29	29	39
Professional, scientific and technical services	24	28	19
Administrative and support services	18	11	20
Public administration and safety	n/a	n/a	n/a
Education and training	27	15	33
Health care and social assistance	36	22	23
Arts and recreation services	26	20	24
Other services	42	35	40
<b>All industries</b>	<b>37</b>	<b>41</b>	<b>41</b>

Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, February 2022; ABS, *Business Conditions and Sentiments*, March 2022; ABS, *Business Conditions and Sentiments*, April 2022.



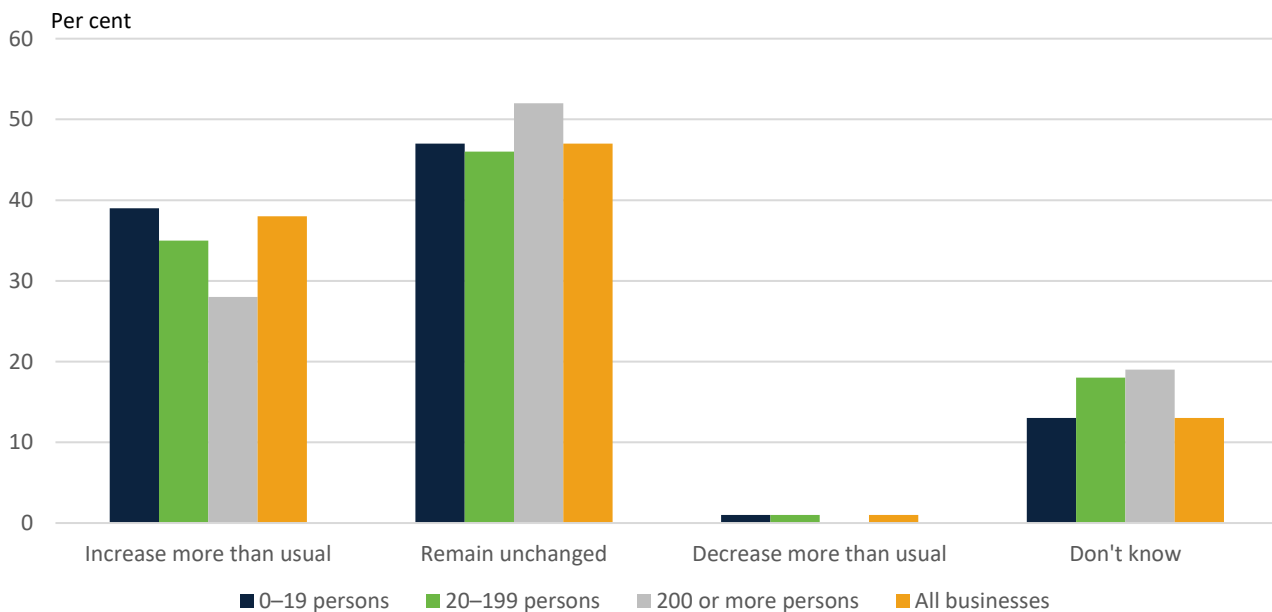
**Chart 3.21: Expectation of the price of goods and services sold over the next 3 months, March 2022 to May 2022**



Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, May 2022.

**Chart 3.22: Expectation of the price of goods and services sold over the next 3 months, by employment size, May 2022**



Source: ABS, *Business Conditions and Sentiments*, May 2022.



**Table 3.12: Expectation of the price of goods and services sold over the next 3 months, by industry, May 2022**

	Increase more than usual (%)	Remain unchanged (%)	Decrease more than usual (%)	Don't know (%)
Agriculture, forestry and fishing	n/a	n/a	n/a	n/a
Mining	13	53	1	34
Manufacturing	58	31	0	10
Electricity, gas, water and waste services	40	51	0	9
Construction	58	24	0	18
Wholesale trade	57	33	0	10
Retail trade	32	51	0	17
Accommodation and food services	54	39	0	7
Transport, postal and warehousing	31	53	5	11
Information media and telecommunications	15	64	9	11
Financial and insurance services	15	75	0	10
Rental, hiring and real estate services	13	55	4	27
Professional, scientific and technical services	37	52	0	11
Administrative and support services	36	46	0	18
Public administration and safety	n/a	n/a	n/a	n/a
Education and training	17	69	0	14
Health care and social assistance	24	67	0	9
Arts and recreation services	13	53	5	29
Other services	35	64	0	1
<b>All industries</b>	<b>38</b>	<b>47</b>	<b>1</b>	<b>13</b>

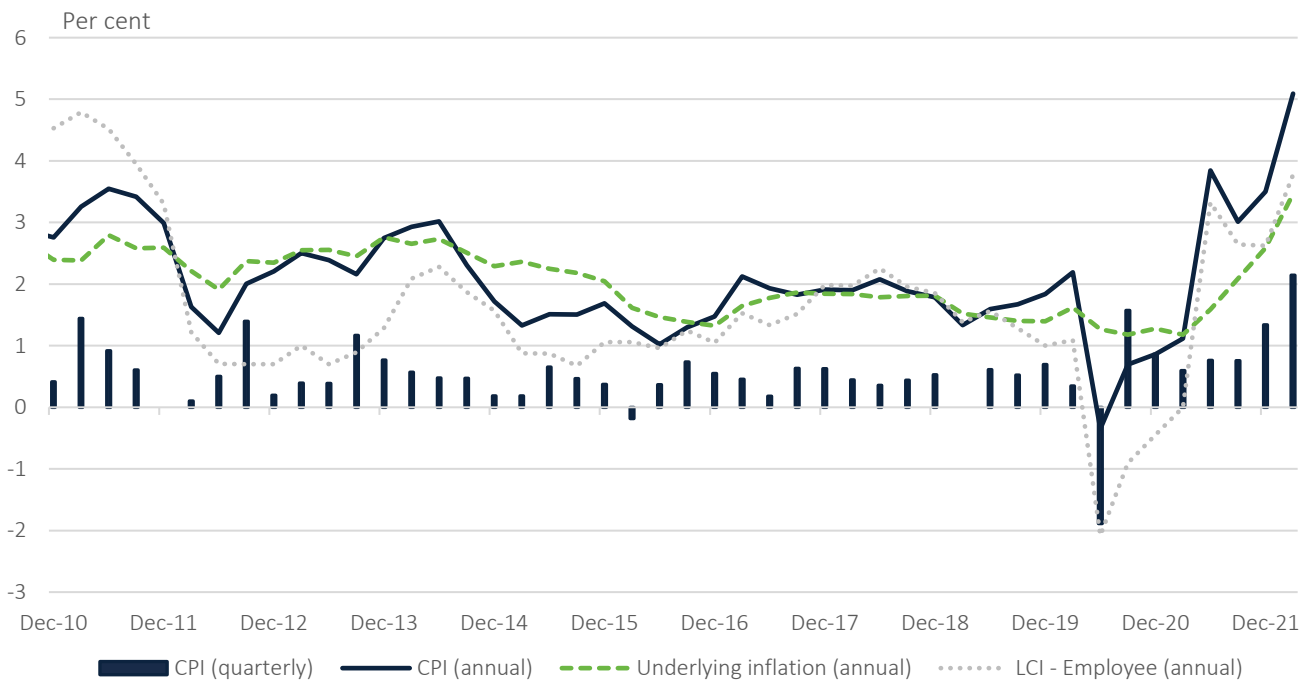
Note: Proportions are of all businesses.

Source: ABS, *Business Conditions and Sentiments*, May 2022.



# 4. Inflation

**Chart 4.1: Measures of inflation—Consumer Price Index, underlying inflation and Living Cost Index for employee households, growth rates**



Note: Consumer Price Index (CPI) measures quarterly changes in the price of a ‘basket’ of goods and services which account for a high proportion of expenditure by the CPI population group (i.e. metropolitan households). The Living Cost Index (LCI) for employee households measures the change in the price of a ‘basket’ of goods and services which is based on the expenditure of employee households whose principal source of income comes from wages and/or salaries. CPI and LCI data are expressed in original terms.

Underlying inflation is calculated as the average of the trimmed mean and weighted median. The trimmed mean is calculated by ordering the CPI expenditure class components by their price change in the quarter and taking the expenditure weighted average of the middle 70 per cent of these price changes. The weighted median is the price change of the component in the middle of this ordering.

Source: ABS, *Consumer Price Index, Australia*, March 2022; ABS, *Selected Living Cost Indexes, Australia*, March 2022.



**Table 4.1: Consumer Price Index, underlying inflation, Living Cost Index for employee households, index and growth rate over the year**

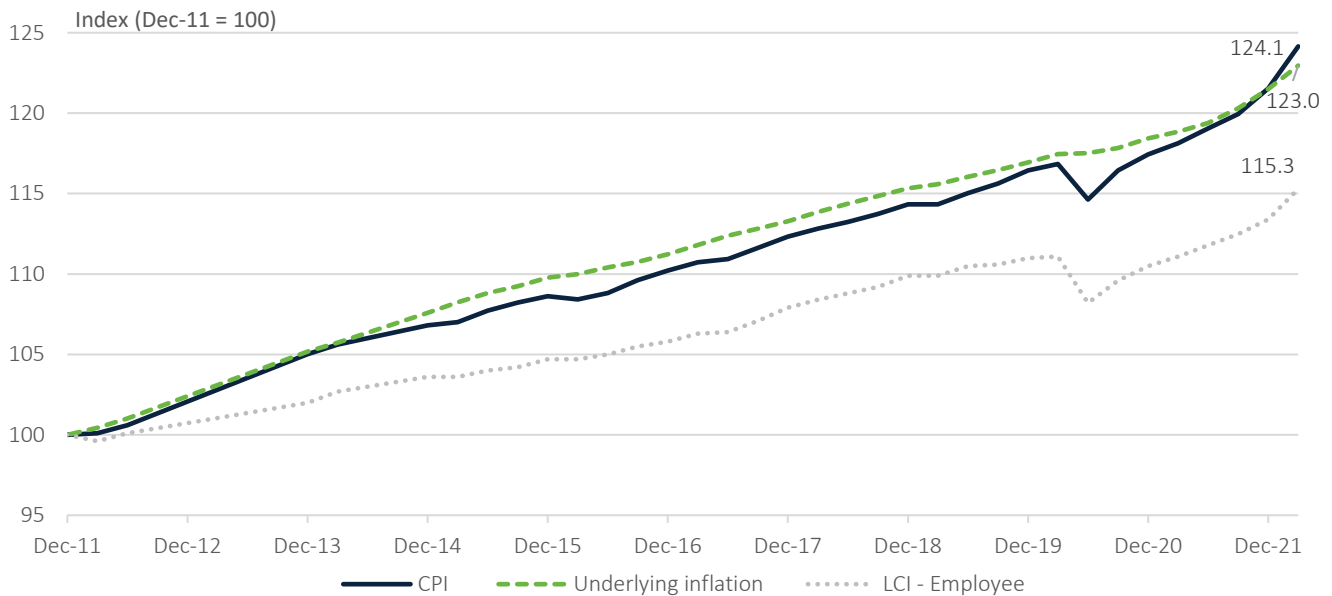
Quarter	Consumer Price Index	Consumer Price Index	Underlying inflation	Underlying inflation	Employee LCI	Employee LCI
	(Index)	(% change)	(Index)	(% change)	(Index)	(% change)
Dec-11	100.0		100.0		100.0	
Dec-12	102.2	2.2	102.3	2.3	100.7	0.7
Dec-13	105.0	2.7	105.2	2.8	102.0	1.3
Dec-14	106.8	1.7	107.6	2.3	103.6	1.6
Dec-15	108.6	1.7	109.8	2.0	104.7	1.1
Dec-16	110.2	1.5	111.2	1.3	105.8	1.0
Dec-17	112.3	1.9	113.2	1.8	107.9	2.0
Dec-18	114.3	1.8	115.3	1.8	109.9	1.9
Dec-19	116.4	1.8	116.9	1.4	111.0	1.0
Dec-20	117.4	0.9	118.4	1.3	110.5	-0.5
Dec-21	121.5	3.5	121.5	2.7	113.4	2.6
Mar-22	124.1	5.1	123.0	3.5	115.3	3.8

Note: CPI and the LCI data are expressed in original terms. The percentage change is calculated in relation to the corresponding quarter in the previous year. Underlying inflation is the average of the trimmed mean and weighted median.

Source: ABS, *Consumer Price Index, Australia*, March 2022; ABS, *Selected Living Cost Indexes, Australia*, March 2022.



**Chart 4.2: Consumer Price Index, underlying inflation and Living Cost Index for employee households, cumulative growth rates**



Note: CPI and the LCI data are expressed in original terms. Underlying inflation is the average of the trimmed mean and weighted median.

Source: ABS, *Consumer Price Index, Australia*, March 2022; ABS, *Selected Living Cost Indexes, Australia*, March 2022.

**Table 4.2: Measures of underlying inflation, growth rates over the year**

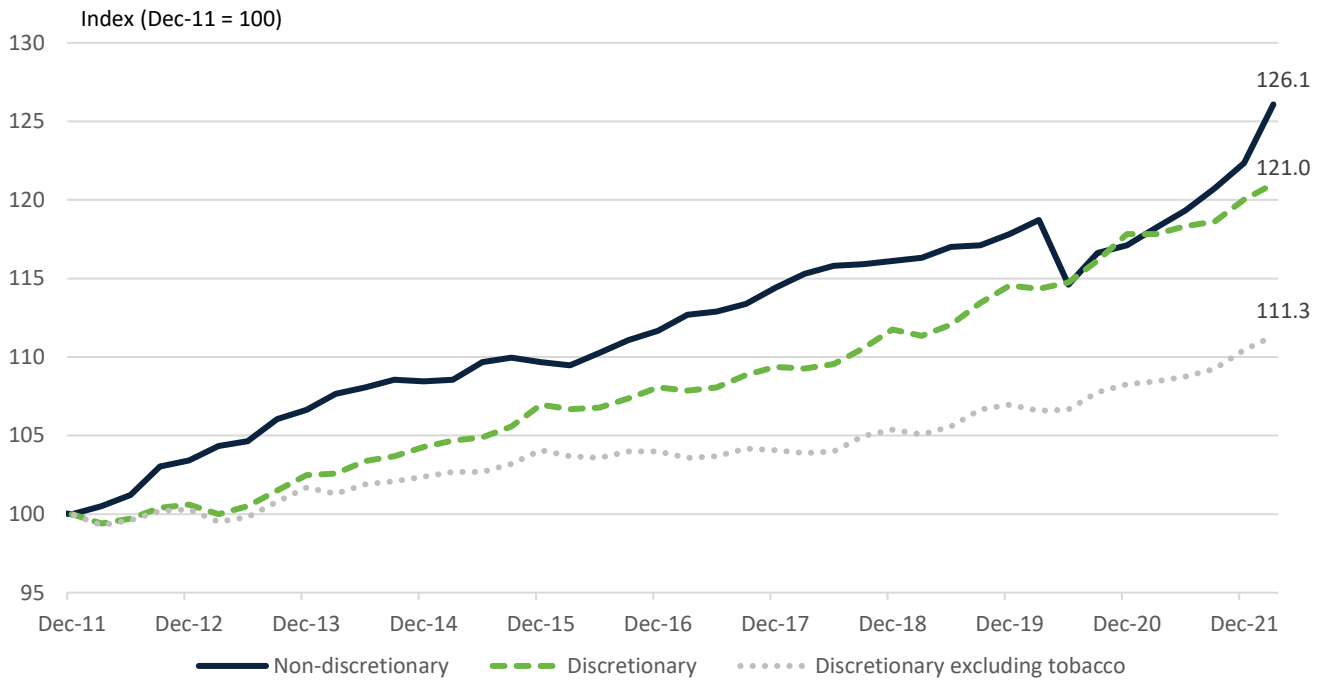
Quarter	Trimmed mean	Weighted median
	(% change)	(% change)
Dec-11	2.7	2.5
Dec-12	2.2	2.5
Dec-13	2.7	2.9
Dec-14	2.2	2.4
Dec-15	2.1	2.0
Dec-16	1.5	1.2
Dec-17	1.7	2.0
Dec-18	1.8	1.9
Dec-19	1.6	1.2
Dec-20	1.2	1.3
Dec-21	2.6	2.5
Mar-22	3.7	3.2

Note: The trimmed mean is calculated by ordering the CPI expenditure class components by their price change in the quarter and taking the expenditure weighted average of the middle 70 per cent of these price changes. The weighted median is the price change of the component in the middle of this ordering. The percentage change is calculated in relation to the corresponding quarter in the previous year.

Source: ABS, *Consumer Price Index, Australia*, March 2022.



**Chart 4.3: Non-discretionary and discretionary inflation, cumulative growth rates**



Note: The ABS define non-discretionary expenditure as goods or services that are purchased because they meet a basic need (food, shelter, healthcare), are required to maintain current living standards, or are a legal obligation. Discretionary expenditure includes goods or services that could be considered as 'optional' purchases.

Source: ABS, *Consumer Price Index, Australia*, March 2022.





**Table 4.3: Non-discretionary and discretionary inflation, growth rates over the year**

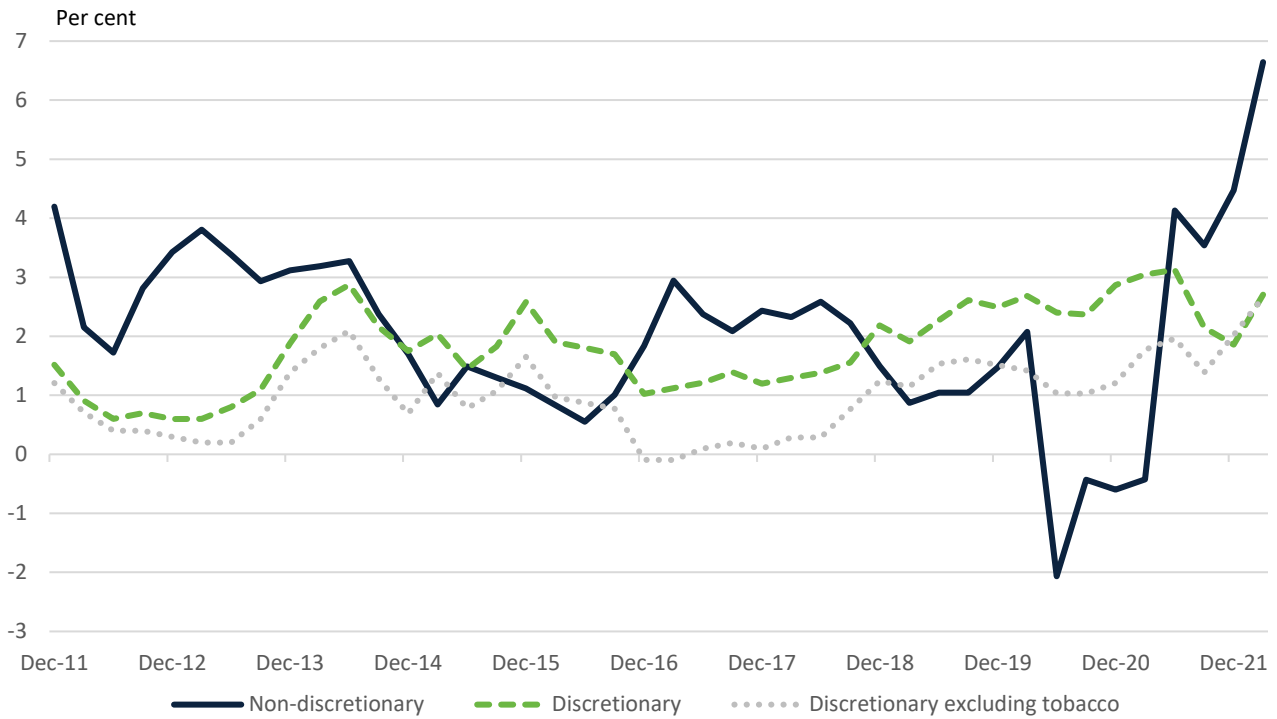
Quarter	Non-discretionary	Discretionary	Discretionary excluding tobacco
	(% change)	(% change)	(% change)
Dec-11	4.2	1.5	1.2
Dec-12	3.4	0.6	0.3
Dec-13	3.1	1.9	1.4
Dec-14	1.7	1.7	0.7
Dec-15	1.1	2.6	1.7
Dec-16	1.8	1.0	-0.1
Dec-17	2.4	1.2	0.1
Dec-18	1.5	2.2	1.2
Dec-19	1.5	2.5	1.5
Dec-20	-0.6	2.9	1.2
Dec-21	4.5	1.9	2.0
Mar-22	6.6	2.7	2.7

Note: The ABS define non-discretionary expenditure as goods or services that are purchased because they meet a basic need (food, shelter, healthcare), are required to maintain current living standards, or are a legal obligation. Discretionary expenditure includes goods or services that could be considered as 'optional' purchases.

Source: ABS, *Consumer Price Index, Australia*, March 2022.



**Chart 4.4: Non-discretionary and discretionary inflation, annual growth rates**



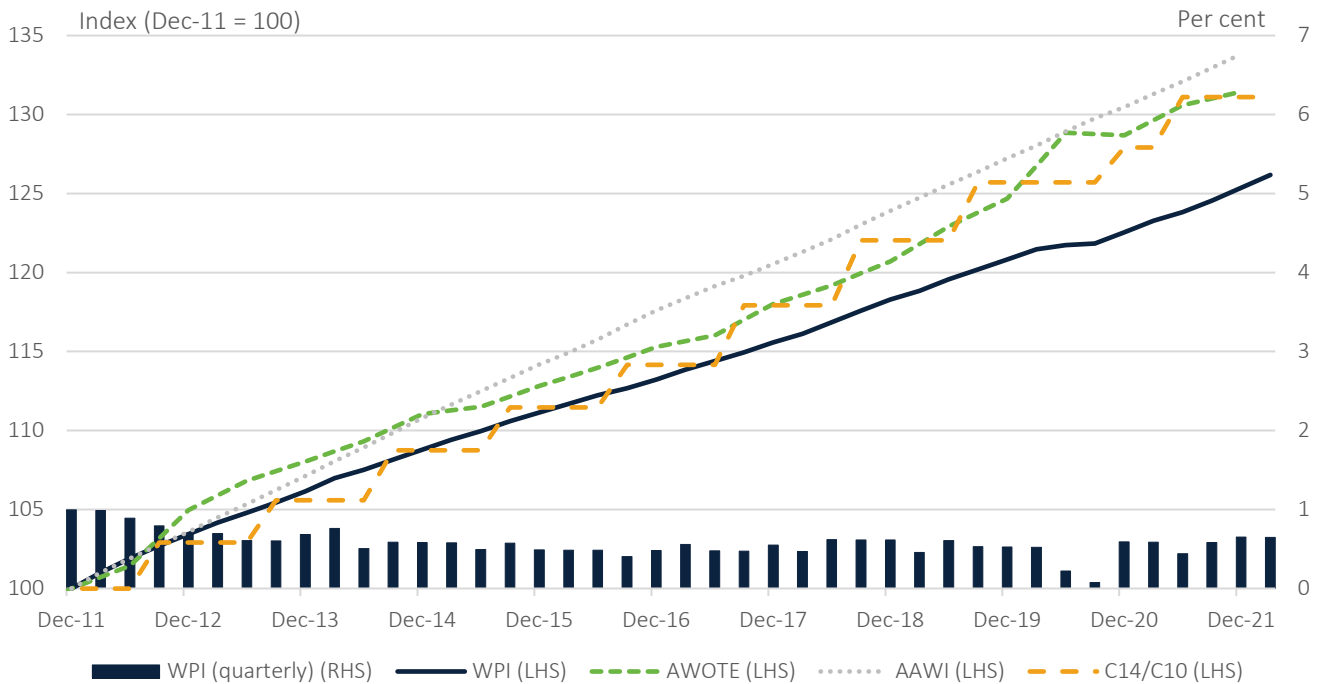
Note: The ABS define non-discretionary expenditure as goods or services that are purchased because they meet a basic need (food, shelter, healthcare), are required to maintain current living standards, or are a legal obligation. Discretionary expenditure includes goods or services that could be considered as 'optional' purchases.

Source: ABS, *Consumer Price Index, Australia*, March 2022.



# 5. Wages

**Chart 5.1: Measures of nominal wages growth, quarterly and cumulative growth rates, index**



Note: The Wage Price Index (WPI) is an index for total hourly rates of pay excluding bonuses that is unaffected by changes in the quality or quantity of work performed. Average weekly ordinary time earnings (AWOTE) is calculated by dividing estimates of weekly ordinary time earnings by estimates of the number of employees. Ordinary time earnings refer to earnings attributable to award, standard or agreed hours of work. It is calculated before taxation and other deductions such as superannuation. It also excludes payments which are not related to the reference period such as overtime, leave loading and redundancy payments. AWOTE estimates refer to full-time adult employees, where an adult is defined as those who are 21 years or over as well as employees who, although under 21 years of age, are paid at the full adult rate for their occupation. AWOTE data are published half-yearly in May and November and a quarterly series has been derived. AWOTE data are expressed in original terms. Average annualised wage increase (AAWI) measures the average percentage increase in the base rates of pay across federal enterprise agreements approved in each quarter. It does not take into account payments such as allowances, bonuses and increases linked to productivity. The AAWI index is calculated by first deriving a quarterly rate. The C14 and the C10 are minimum award rates set under the *Manufacturing and Associated Industries and Occupations Award 2010* and the *Manufacturing and Associated Industries and Occupations Award 2020*.

Source: ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Wage Price Index, Australia*, March 2022; Attorney-General’s Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021, <<https://www.ag.gov.au/industrial-relations/enterprise-agreements-data/Pages/trends-in-federal-enterprise-bargaining.aspx>>; *Manufacturing and Associated Industries and Occupations Award 2010*, *Manufacturing and Associated Industries and Occupations Award 2020*.



**Table 5.1: Measures of nominal wages growth, growth rate over the year**

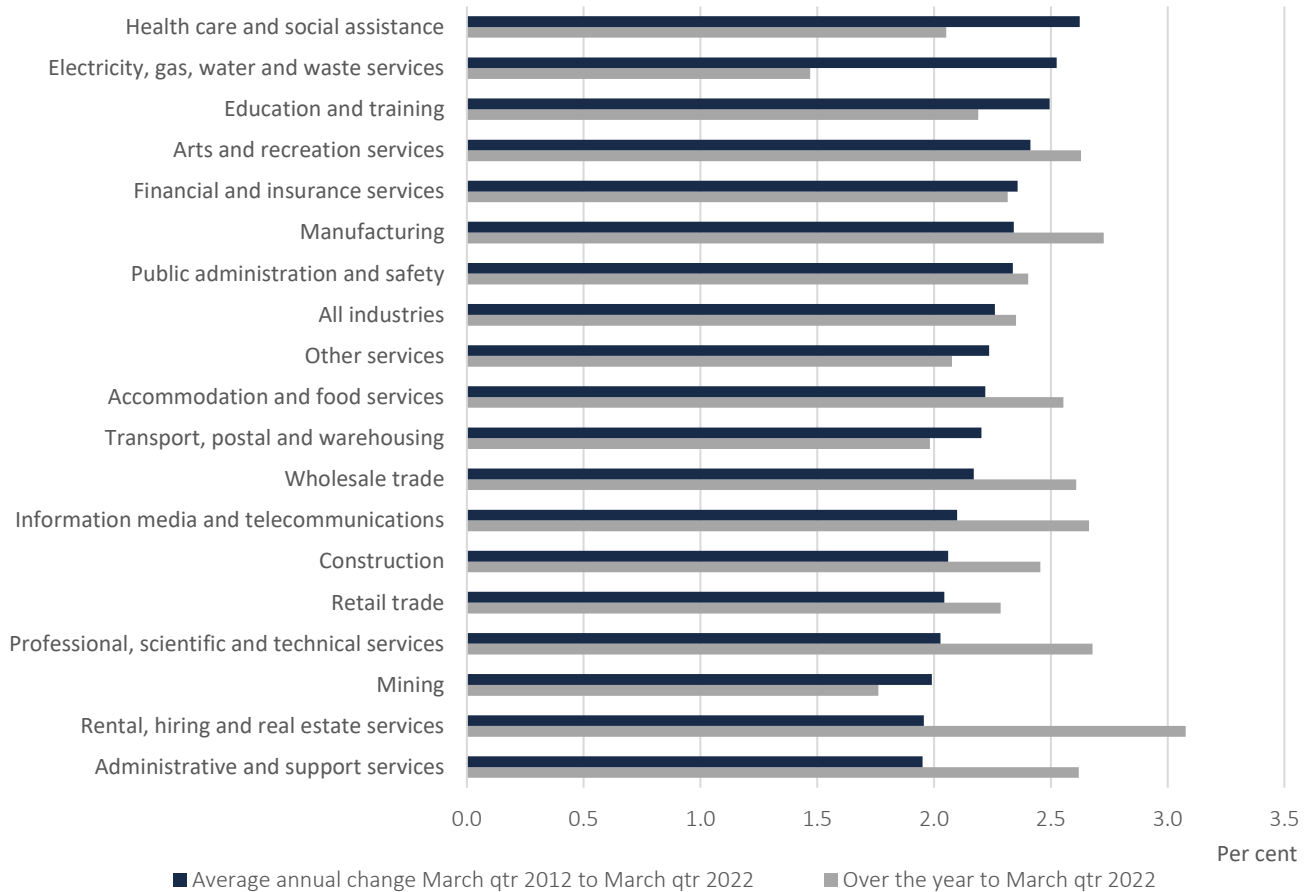
<b>Year ended (Quarter)</b>	<b>WPI (% change)</b>	<b>AWOTE<sup>^</sup> (% change)</b>	<b>C14 (% change)</b>	<b>C10 (% change)</b>	<b>AAWI (% change)</b>
Dec-11	3.6	4.3	3.4	3.4	3.7
Dec-12	3.4	5.0	2.9	2.9	3.2
Dec-13	2.6	2.9	2.6	2.6	3.4
Dec-14	2.5	2.8	3.0	3.0	3.4
Dec-15	2.2	1.6	2.5	2.5	3.0
Dec-16	1.9	2.2	2.4	2.4	3.1
Dec-17	2.1	2.4	3.3	3.3	2.5
Dec-18	2.4	2.3	3.5	3.5	2.9
Dec-19	2.1	3.3	3.0	3.0	2.7
Dec-20	1.4	3.2	1.8*	1.8*	2.2
Dec-21	2.3	2.2	2.5	2.5	2.6
Mar-22	2.4	n/a	2.5	2.5	n/a

Note: See Chart 5.1 for information on each measure of nominal wages growth. n/a = not available. \* Actual increase was 1.75 per cent. <sup>^</sup>Data are presented for November of each year.

Source: ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Wage Price Index, Australia*, March 2022; Attorney-General's Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021, <<https://www.ag.gov.au/industrial-relations/enterprise-agreements-data/Pages/trends-in-federal-enterprise-bargaining.aspx>>; *Manufacturing and Associated Industries and Occupations Award 2010, Manufacturing and Associated Industries and Occupations Award 2020*.



**Chart 5.2: Wage Price Index by industry, average annual growth over decade and growth over year to March quarter 2022**



Note: Data are expressed in original terms.

Source: ABS, *Wage Price Index, Australia*, March 2022.



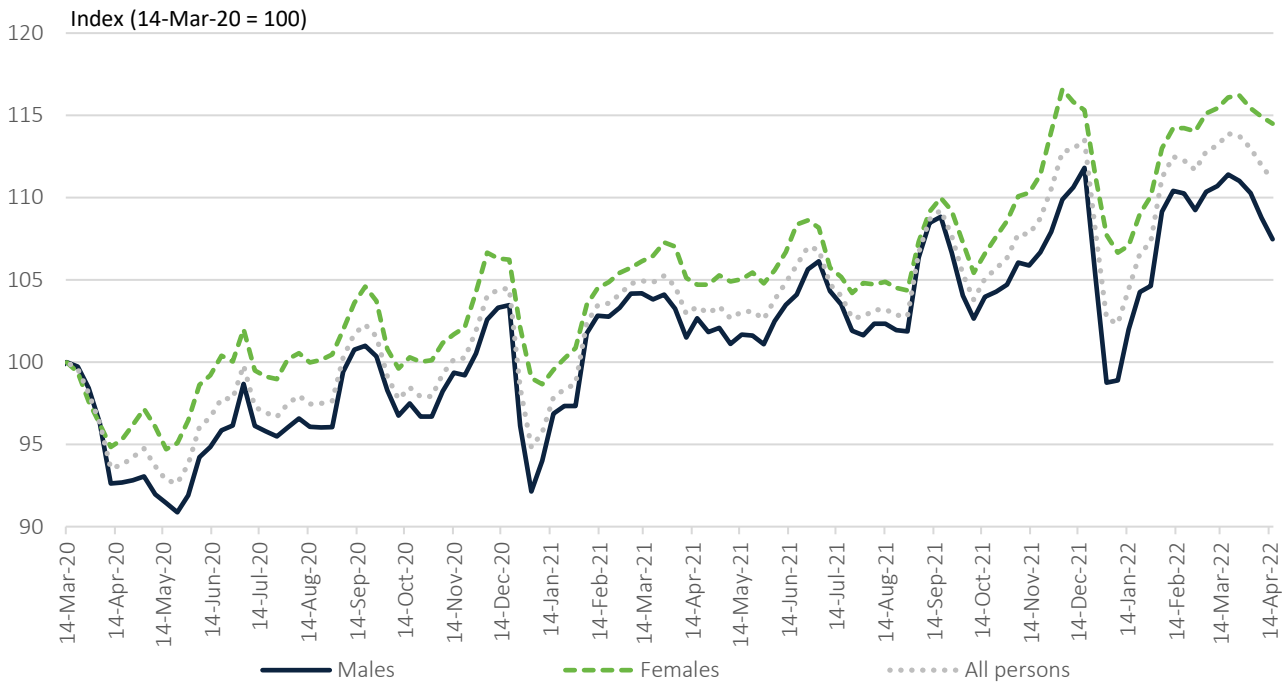
**Table 5.2: Average hourly total cash earnings for full-time non-managerial employees paid at the adult rate, by industry and method of setting pay, May 2021**

	Award only	Collective agreement	Individual arrangement	Ratio of average hourly earnings in Award only to Collective agreement	Ratio of average hourly earnings in Award only to Individual arrangement
	(\$)	(\$)	(\$)	(%)	(%)
Mining	29.30	61.20	66.90	0.48	0.44
Manufacturing	28.50	43.30	40.30	0.66	0.71
Electricity, gas, water and waste services	32.60	53.60	57.40	0.61	0.57
Construction	32.50	53.30	43.80	0.61	0.74
Wholesale trade	27.30	36.50	43.10	0.75	0.63
Retail trade	28.70	29.50	38.50	0.97	0.75
Accommodation and food services	29.60	31.10	35.50	0.95	0.83
Transport, postal and warehousing	33.50	46.40	40.00	0.72	0.84
Information media and telecommunications	32.90	47.50	57.90	0.69	0.57
Finance and insurance services	36.10	49.30	59.30	0.73	0.61
Rental, hiring and real estate services	30.40	43.40	40.90	0.70	0.74
Professional, scientific and technical services	34.00	47.00	55.10	0.72	0.62
Administrative and support services	32.00	44.70	46.00	0.72	0.70
Public administration and safety	49.30	49.80	48.40	0.99	1.02
Education and training	40.80	52.50	44.10	0.78	0.93
Health care and social assistance	42.30	51.10	41.40	0.83	1.02
Arts and recreation services	28.60	37.90	47.00	0.75	0.61
Other services	32.00	42.30	37.50	0.76	0.85
<b>All industries</b>	<b>35.20</b>	<b>48.80</b>	<b>46.80</b>	<b>0.72</b>	<b>0.75</b>

Source: ABS, *Employees Earnings and Hours, Australia*, May 2021.



**Chart 5.3: Change in total wages, by gender, 14 March 2020 to 16 April 2022**

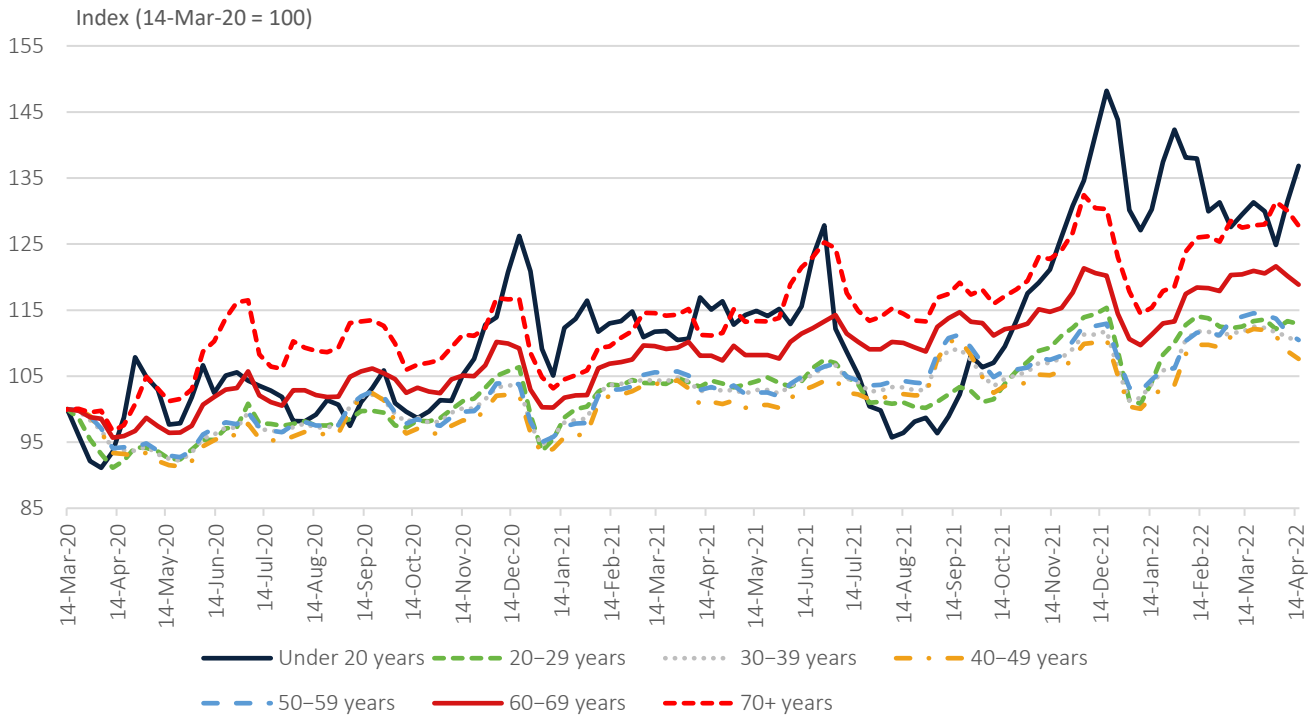


Note: Wages data are more sensitive to period-to-period changes in reporting than jobs data and are therefore subject to greater revisions over time. They are also subject to a greater degree of seasonality. Records where the characteristic is unknown (i.e. sex) are included in the all persons index total and can result in independent movement from the component indexes. Employers with less than 20 employees began transitioning to Single Touch Payroll on 1 July 2019. Any reporting concessions that were made available for these employers ended on 30 June 2021.

Source: ABS, *Weekly Payroll Jobs and Wages in Australia*, Week ending 16 April 2022.



Chart 5.4: Change in total wages, by age, 14 March 2020 to 16 April 2022



Note: Wages data are more sensitive to period-to-period changes in reporting than jobs data and are therefore subject to greater revisions over time. They are also subject to a greater degree of seasonality. Employers with less than 20 employees began transitioning to Single Touch Payroll on 1 July 2019. Any reporting concessions that were made available for these employers ended on 30 June 2021.

Source: ABS, *Weekly Payroll Jobs and Wages in Australia*, Week ending 16 April 2022.





## 6. Labour market

**Table 6.1: Employment, monthly hours worked and unemployment**

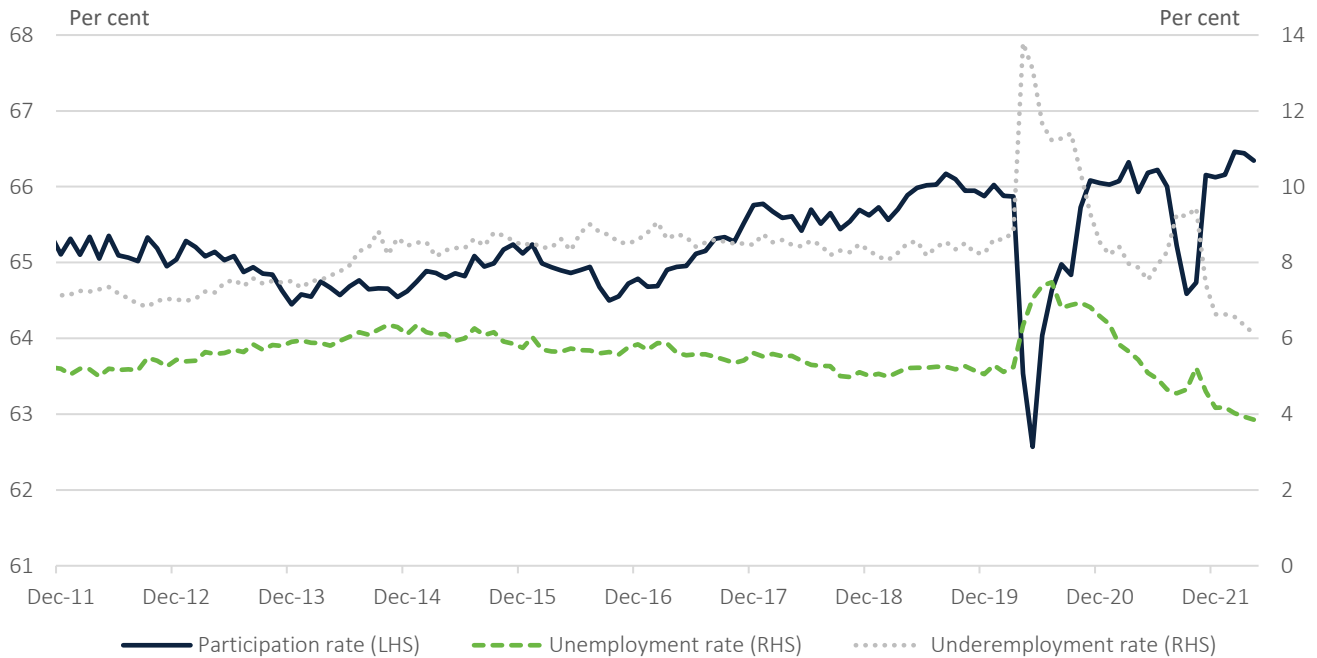
Year ended	Employed persons	Monthly hours worked	Unemployed persons	Unemployment rate	Employed persons	Monthly hours worked	Unemployed persons	Unemployment rate
(Month)	('000s)	('000s)	('000s)	(%)	(% change)	(% change)	(% change)	(ppt change)
Dec-11	11 230.3	1 588 273.2	615.8	5.2	0.6	1.1	7.5	0.3
Dec-12	11 394.7	1 604 329.4	654.9	5.4	1.5	1.0	6.3	0.2
Dec-13	11 416.2	1 605 491.6	716.4	5.9	0.2	0.1	9.4	0.5
Dec-14	11 594.5	1 601 366.2	754.6	6.1	1.6	-0.3	5.3	0.2
Dec-15	11 901.5	1 651 279.4	725.8	5.7	2.6	3.1	-3.8	-0.4
Dec-16	12 030.0	1 674 277.2	745.7	5.8	1.1	1.4	2.7	0.1
Dec-17	12 442.7	1 721 132.1	739.7	5.6	3.4	2.8	-0.8	-0.2
Dec-18	12 711.0	1 748 193.5	670.6	5.0	2.2	1.6	-9.3	-0.6
Dec-19	12 967.0	1 783 148.9	690.3	5.1	2.0	2.0	2.9	0.0
Dec-20	12 866.7	1 750 633.6	907.3	6.6	-0.8	-1.8	31.4	1.5
Dec-21	13 266.0	1 818 888.7	576.5	4.2	3.1	3.9	-36.5	-2.4
Apr-22	13 401.7	1 832 535.3	537.1	3.9	2.9	2.8	-28.2	-1.6

Note: The unemployment rate is the number of unemployed persons expressed as a percentage of the labour force. All measures are calculated for persons aged 15 years and over. The percentage change and percentage point (ppt) change are calculated in relation to the corresponding month in the previous year. Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms.

Source: ABS, *Labour Force, Australia*, April 2022.



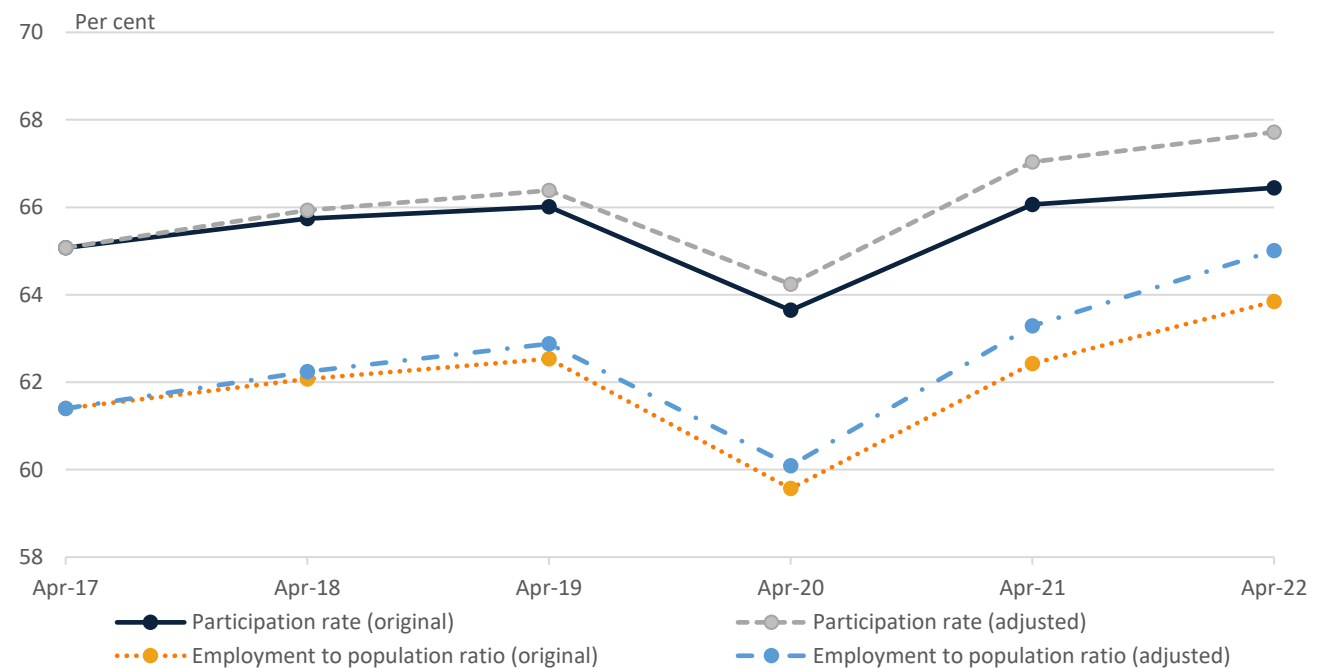
**Chart 6.1: Unemployment, underemployment and participation rates**



Note: Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms.

Source: ABS, *Labour Force, Australia*, April 2022.

**Chart 6.2: Age-adjusted participation rate and age-adjusted employment to population ratio**



Note: Data are expressed in original terms with only the January figure of each year shown. The age-adjusted participation rate is calculated using 10-year age groups, with the proportion of the population in each age group held fixed at April 2017 levels.

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.



**Chart 6.3: Employed persons and monthly hours worked, growth rate over the year**



Note: Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms.

Source: ABS, *Labour Force, Australia*, April 2022.

**Table 6.2: Average monthly hours worked, by full-time/part-time status, change over the year**

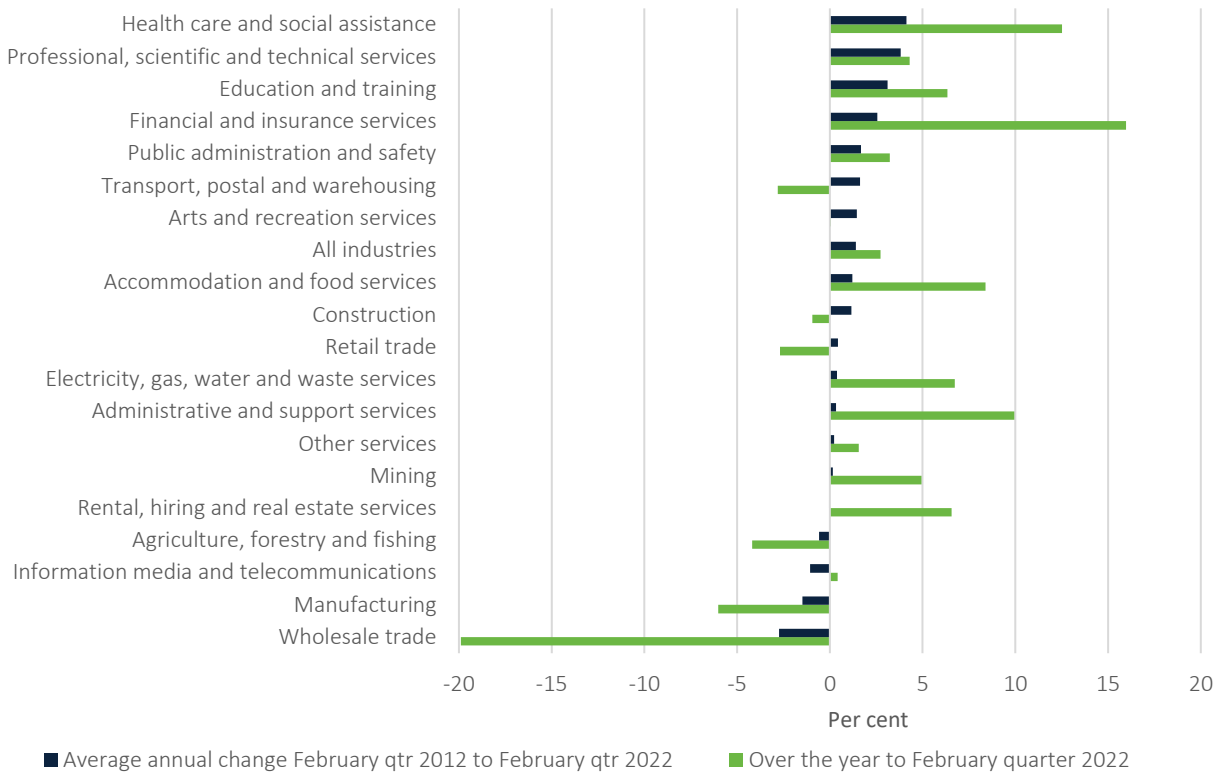
Month	Average monthly hours worked (full-time)	Change in average monthly hours worked (full-time)	Average monthly hours worked (part-time)	Change in average monthly hours worked (part-time)
Dec-11	171.1	1.0	70.5	-0.2
Dec-12	170.5	-0.6	70.6	0.1
Dec-13	171.3	0.7	71.6	1.0
Dec-14	167.6	-3.7	71.9	0.2
Dec-15	168.5	0.9	72.4	0.5
Dec-16	169.9	1.3	73.3	0.9
Dec-17	168.4	-1.5	73.0	-0.2
Dec-18	167.0	-1.4	74.1	1.1
Dec-19	167.3	0.3	73.8	-0.3
Dec-20	165.2	-2.1	74.4	0.6
Dec-21	165.1	0.0	75.6	1.2
Apr-22	163.9	-1.8	74.3	-0.9

Note: The change in average hours is calculated in relation to the corresponding month in the previous year. Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms.

Source: ABS, *Labour Force, Australia*, April 2022.



**Chart 6.4: Change in hours actually worked by industry, average annual growth over decade and growth over year to February quarter 2022**



Note: All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, February 2022.



**Table 6.3: Employment by industry for selected periods**

	Employed persons					Average annual growth rates	Annual growth rates			Filled jobs
	('000s)					(%)	(%)			('000)
	Feb-12	Feb-19	Feb-20	Feb-21	Feb-22	Feb-12 to Feb-22	Feb-20	Feb-21	Feb-22	Dec-21
Agriculture, forestry and fishing	321.7	334.7	326.4	327.0	291.0	-1.0	-2.5	0.2	-11.0	453.9
Mining	252.4	247.2	241.2	252.4	279.2	1.0	-2.4	4.7	10.6	197.3
Manufacturing	947.0	862.5	918.5	898.1	854.7	-1.0	6.5	-2.2	-4.8	911.3
Electricity, gas, water and waste services	153.8	149.7	132.5	148.6	167.2	0.8	-11.5	12.2	12.5	124.7
Construction	995.3	1146.0	1185.2	1155.5	1161.0	1.6	3.4	-2.5	0.5	1167.1
Wholesale trade	383.9	387.1	392.0	391.8	326.9	-1.6	1.3	0.0	-16.6	550.2
Retail trade	1190.1	1282.1	1246.1	1312.7	1277.9	0.7	-2.8	5.3	-2.7	1444.3
Accommodation and food services	735.6	907.5	932.6	847.9	896.8	2.0	2.8	-9.1	5.8	1177.0
Transport, postal and warehousing	544.8	660.2	649.5	670.8	667.4	2.1	-1.6	3.3	-0.5	661.7
Information media and telecommunications	219.7	214.8	212.8	201.5	208.4	-0.5	-1.0	-5.3	3.5	178.6
Financial and insurance services	421.7	444.7	470.4	475.3	557.8	2.8	5.8	1.0	17.4	472.3
Rental, hiring and real estate services	227.9	214.1	219.5	214.2	240.9	0.6	2.5	-2.4	12.4	290.5
Professional, scientific and technical services	876.6	1119.0	1154.5	1205.9	1258.7	3.7	3.2	4.5	4.4	1208.9
Administrative and support services	393.2	423.6	436.6	383.5	407.5	0.4	3.1	-12.2	6.2	1032.1
Public administration and safety	738.0	855.5	821.0	849.6	884.5	1.8	-4.0	3.5	4.1	763.7
Education and training	855.7	1035.0	1136.2	1095.6	1153.2	3.0	9.8	-3.6	5.3	1040.5
Health care and social assistance	1327.9	1687.9	1791.9	1804.0	2008.4	4.2	6.2	0.7	11.3	2013.7
Arts and recreation services	202.4	249.8	246.8	240.6	226.9	1.1	-1.2	-2.5	-5.7	270.2
Other services	473.5	524.1	487.9	504.5	510.8	0.8	-6.9	3.4	1.2	550.9
<b>All industries</b>	<b>11 245.3</b>	<b>12 755.0</b>	<b>13 011.4</b>	<b>12 994.5</b>	<b>13 389.1</b>	<b>1.8</b>	<b>2.0</b>	<b>-0.1</b>	<b>3.0</b>	<b>14 508.9</b>

Note: Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms. \*Filled jobs as at December quarter 2021.

Source: ABS, *Labour Force, Detailed*, February 2022; ABS, *Labour Account Australia*, December 2021.



**Table 6.4: Employment by occupation, '000s**

	Feb-12	Feb-13	Feb-14	Feb-15	Feb-16	Feb-17	Feb-18	Feb-19	Feb-20	Feb-21	Feb-22
Managers	1449.0	1422.3	1483.2	1552.8	1557.8	1568.6	1531.0	1530.9	1628.1	1699.0	1793.1
Professionals	2471.7	2503.8	2565.0	2655.7	2739.2	2887.6	2996.9	3117.3	3212.3	3353.6	3557.4
Technicians and trades workers	1670.8	1666.1	1681.5	1707.6	1727.0	1672.5	1806.3	1813.0	1805.9	1770.1	1791.5
Community and personal service workers	1061.8	1143.1	1140.9	1200.4	1230.7	1244.3	1323.9	1387.8	1431.2	1382.7	1424.9
Clerical and administrative workers	1674.6	1690.7	1622.9	1657.7	1708.4	1672.3	1634.0	1772.9	1752.1	1701.4	1776.4
Sales workers	1042.3	1060.8	1086.1	1078.4	1135.6	1086.5	1154.7	1105.4	1128.8	1111.9	1103.9
Machinery operators and drivers	740.3	789.0	748.7	742.5	714.9	743.5	832.2	857.0	822.4	847.8	833.7
Labourers	1127.3	1149.5	1136.2	1129.1	1162.3	1228.1	1249.1	1217.7	1272.5	1170.2	1156.7

Note: All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, February 2022.

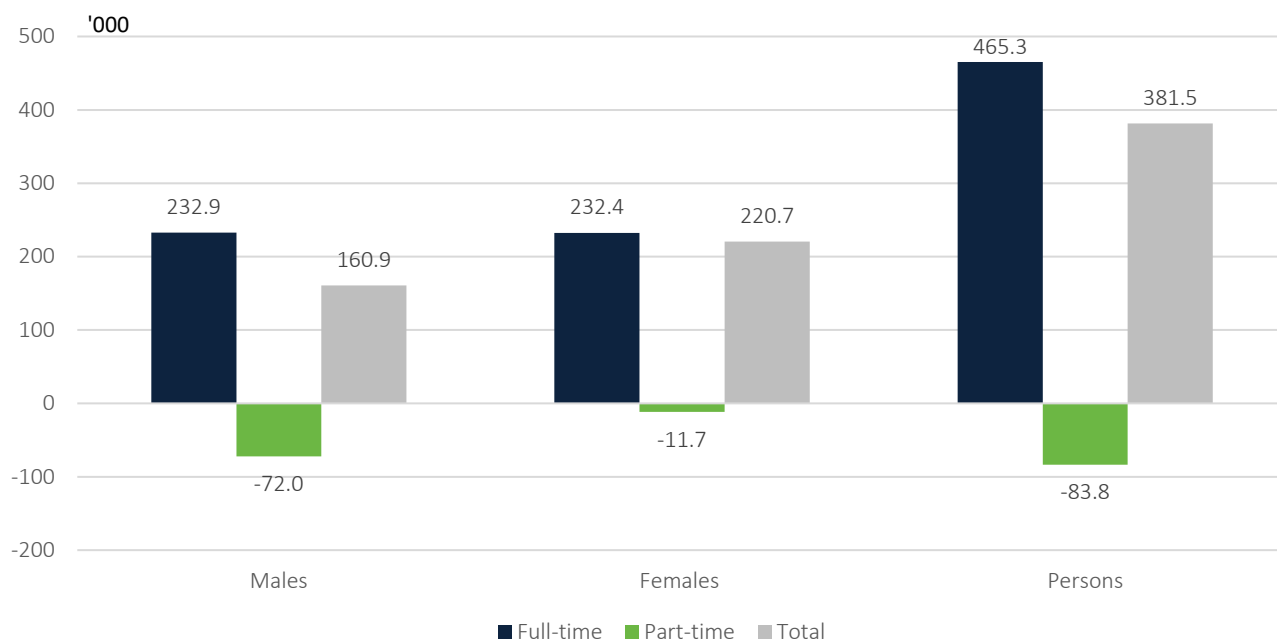
**Table 6.5: Employment by occupation, annual percentage changes**

	Feb-13	Feb-14	Feb-15	Feb-16	Feb-17	Feb-18	Feb-19	Feb-20	Feb-21	Feb-22
Managers	-1.8	4.3	4.7	0.3	0.7	-2.4	0.0	6.3	4.4	5.5
Professionals	1.3	2.4	3.5	3.1	5.4	3.8	4.0	3.0	4.4	6.1
Technicians and trades workers	-0.3	0.9	1.6	1.1	-3.2	8.0	0.4	-0.4	-2.0	1.2
Community and personal service workers	7.7	-0.2	5.2	2.5	1.1	6.4	4.8	3.1	-3.4	3.1
Clerical and administrative workers	1.0	-4.0	2.1	3.1	-2.1	-2.3	8.5	-1.2	-2.9	4.4
Sales workers	1.8	2.4	-0.7	5.3	-4.3	6.3	-4.3	2.1	-1.5	-0.7
Machinery operators and drivers	6.6	-5.1	-0.8	-3.7	4.0	11.9	3.0	-4.0	3.1	-1.7
Labourers	2.0	-1.2	-0.6	2.9	5.7	1.7	-2.5	4.5	-8.0	-1.1

Note: The annual percentage change is calculated in relation to the corresponding quarter in the previous year. All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, February 2022.

**Chart 6.5: Change in full-time, part-time and total employment by gender, April 2021 to April 2022**



Note: Due to a temporary suspension in the trend series, data are expressed in seasonally adjusted terms.

Source: ABS, *Labour Force, Australia*, April 2022.

**Table 6.6: Employment to population ratio, total and by full-time/part-time status, persons 20–64 years**

Month	Full-time	Change over year	Part-time	Change over year	Total	Change over year
		(ppts)		(ppts)		(ppts)
Dec-11	56.4		19.3		75.7	
Dec-12	56.1	-0.3	19.5	0.2	75.6	0.0
Dec-13	54.9	-1.2	20.0	0.4	74.8	-0.8
Dec-14	55.2	0.3	20.0	0.0	75.2	0.3
Dec-15	55.7	0.5	20.3	0.3	76.0	0.8
Dec-16	55.0	-0.6	20.9	0.6	75.9	-0.1
Dec-17	56.0	1.0	21.2	0.2	77.2	1.3
Dec-18	56.2	0.2	21.3	0.1	77.5	0.3
Dec-19	56.6	0.3	21.5	0.2	78.0	0.5
Dec-20	55.8	-0.7	21.4	0.0	77.2	-0.8
Dec-21	58.3	2.5	21.2	-0.2	79.5	2.3
Apr-22	58.6	3.1	21.0	-1.0	79.6	2.1

Note: The employment to population ratio is the number of employed persons expressed as a percentage of the civilian population. Change over year (ppts) calculates the percentage point change from the corresponding month in the previous year. All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.



**Table 6.7: Employment to population ratio for males, total and by full-time/part-time status, 20–64 years**

Month	Full-time	Change over year (ppts)	Part-time	Change over year (ppts)	Total	Change over year (ppts)
Dec-11	72.7		9.9		82.6	
Dec-12	72.5	-0.2	10.1	0.2	82.6	0.0
Dec-13	70.8	-1.7	10.5	0.4	81.3	-1.3
Dec-14	71.2	0.4	10.4	-0.1	81.6	0.3
Dec-15	71.3	0.0	10.9	0.5	82.2	0.5
Dec-16	70.4	-0.9	11.5	0.6	81.8	-0.4
Dec-17	71.0	0.7	11.6	0.1	82.6	0.8
Dec-18	70.8	-0.2	12.0	0.4	82.8	0.2
Dec-19	70.5	-0.3	12.4	0.4	82.9	0.1
Dec-20	69.6	-0.9	12.3	0.0	81.9	-1.0
Dec-21	72.1	2.5	11.8	-0.5	84.0	2.1
Apr-22	72.3	3.1	11.7	-1.5	84.0	1.7

Note: The employment to population ratio is the number of employed persons expressed as a percentage of the civilian population. Change over year (ppts) calculates the percentage point change from the corresponding month in the previous year. All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.

**Table 6.8: Employment to population ratio for females, total and by full-time/part-time status, 20–64 years**

Month	Full-time	Change over year (ppts)	Part-time	Change over year (ppts)	Total	Change over year (ppts)
Dec-11	40.1		28.6		68.8	
Dec-12	39.9	-0.3	28.9	0.2	68.7	-0.1
Dec-13	39.2	-0.7	29.3	0.4	68.5	-0.3
Dec-14	39.4	0.2	29.5	0.2	68.8	0.4
Dec-15	40.3	1.0	29.6	0.2	69.9	1.1
Dec-16	40.0	-0.4	30.2	0.6	70.2	0.2
Dec-17	41.4	1.4	30.5	0.3	71.9	1.7
Dec-18	41.9	0.5	30.4	-0.1	72.3	0.4
Dec-19	42.9	1.0	30.4	-0.1	73.2	0.9
Dec-20	42.3	-0.5	30.3	-0.1	72.6	-0.6
Dec-21	44.8	2.4	30.3	0.0	75.1	2.5
Apr-22	45.3	3.1	30.1	-0.6	75.4	2.5

Note: The employment to population ratio is the number of employed persons expressed as a percentage of the civilian population. Change over year (ppts) calculates the percentage point change from the corresponding month in the previous year. All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.





**Table 6.9: Participation rate by gender, 20–64 years**

Month	Participation rate - male	Participation rate - male (ppt change)	Participation rate - female	Participation rate - female (ppt change)	Participation rate - total	Participation rate - total (ppt change)
Dec-11	85.9		72.0		78.9	
Dec-12	86.4	0.5	72.0	0.0	79.1	0.2
Dec-13	85.8	-0.6	71.9	0.0	78.8	-0.3
Dec-14	85.8	0.0	72.5	0.6	79.1	0.3
Dec-15	86.2	0.4	73.6	1.1	79.8	0.7
Dec-16	86.0	-0.2	73.7	0.1	79.8	0.0
Dec-17	86.7	0.7	75.3	1.5	80.9	1.1
Dec-18	86.4	-0.3	75.3	0.1	80.8	-0.1
Dec-19	86.6	0.2	76.2	0.9	81.3	0.5
Dec-20	86.9	0.3	76.8	0.6	81.8	0.5
Dec-21	86.9	0.0	77.6	0.9	82.2	0.4
Apr-22	87.0	0.2	78.0	1.3	82.4	0.8

Note: The participation rate is the number of persons in the labour force expressed as a percentage of the civilian population. The percentage point change is calculated in relation to the corresponding month in the previous year. All data are expressed in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.

**Table 6.10: Long-term unemployment**

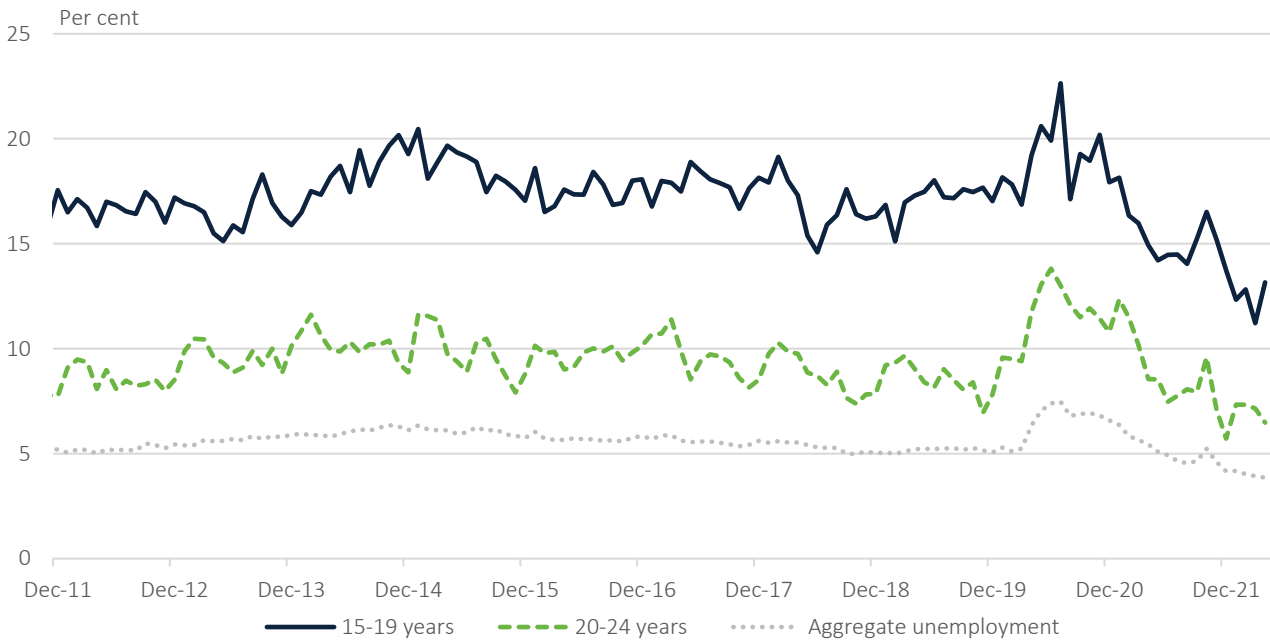
Month	Long-term unemployed	Change over year	Long-term unemployment ratio
	('000s)	(%)	(%)
Dec-11	110.1	-1.7	17.9
Dec-12	120.4	9.4	18.4
Dec-13	154.0	27.9	21.5
Dec-14	175.0	13.6	23.2
Dec-15	157.9	-9.8	21.8
Dec-16	173.7	10.0	23.3
Dec-17	175.8	1.2	23.8
Dec-18	149.7	-14.8	22.3
Dec-19	176.0	17.6	25.5
Dec-20	198.0	12.5	21.8
Dec-21	147.2	-25.7	25.5
Apr-22	135.3	-46.5	25.2

Note: Due to a temporary suspension in the trend series, aggregate data are expressed in seasonally adjusted terms. The long-term unemployed refers to the number of persons unemployed for 52 weeks or more. The long-term unemployment ratio refers to the number of long-term unemployed persons expressed as a percentage of the total unemployed population. The percentage change is calculated in relation to the corresponding month in the previous year. For information on the reasons for long-term unemployment, see Table 15 in the ABS' [Participation, Job Search and Mobility](#).

Source: ABS, *Labour Force, Australia, Detailed*, April 2022.



**Chart 6.6: Unemployment rates for 15–19 year olds and 20–24 year olds**

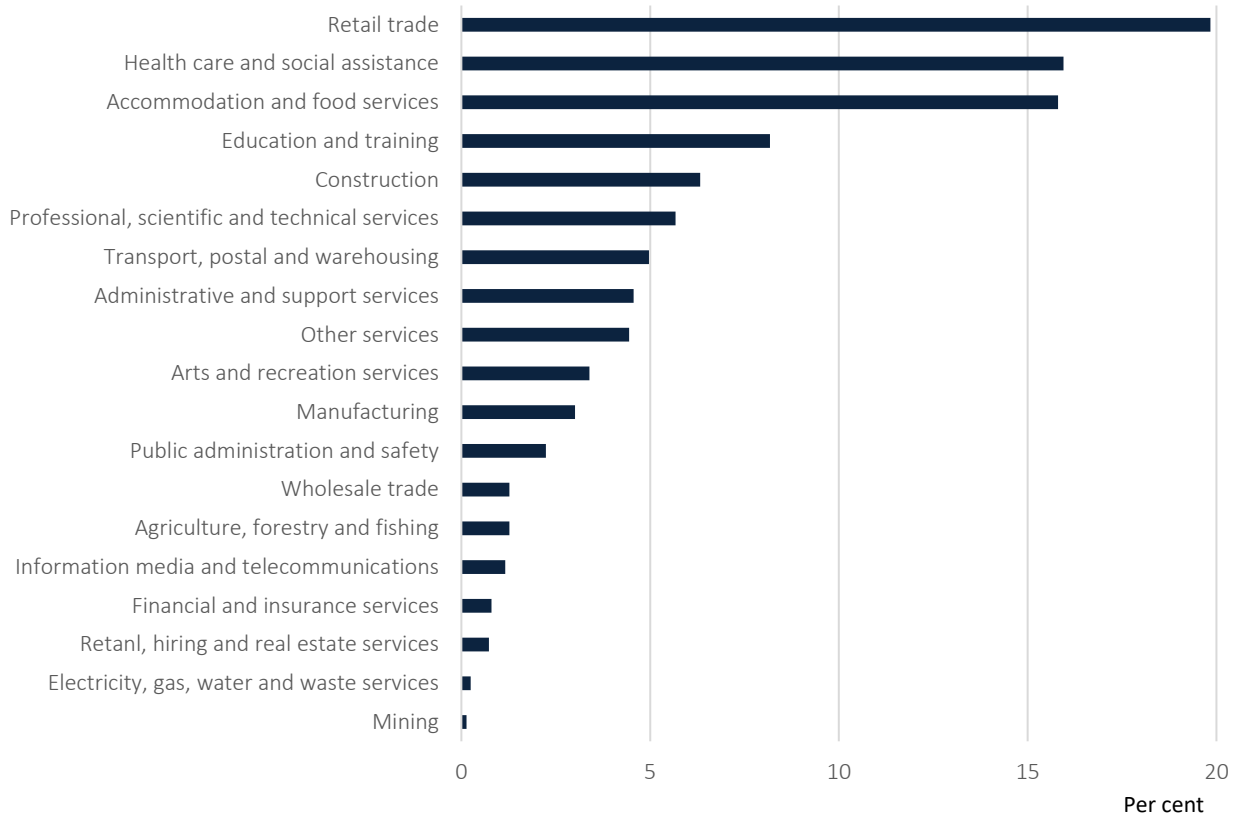


Note: Due to a temporary suspension in the trend series, aggregate unemployment and unemployment rate for 15–19 year olds are expressed in seasonally adjusted terms. Unemployment rate for 20–24 year olds is expressed in original terms.

Source: ABS, *Labour Force, Australia*, April 2022.



**Chart 6.7: Proportion of all underemployed persons, by industry, February 2022**

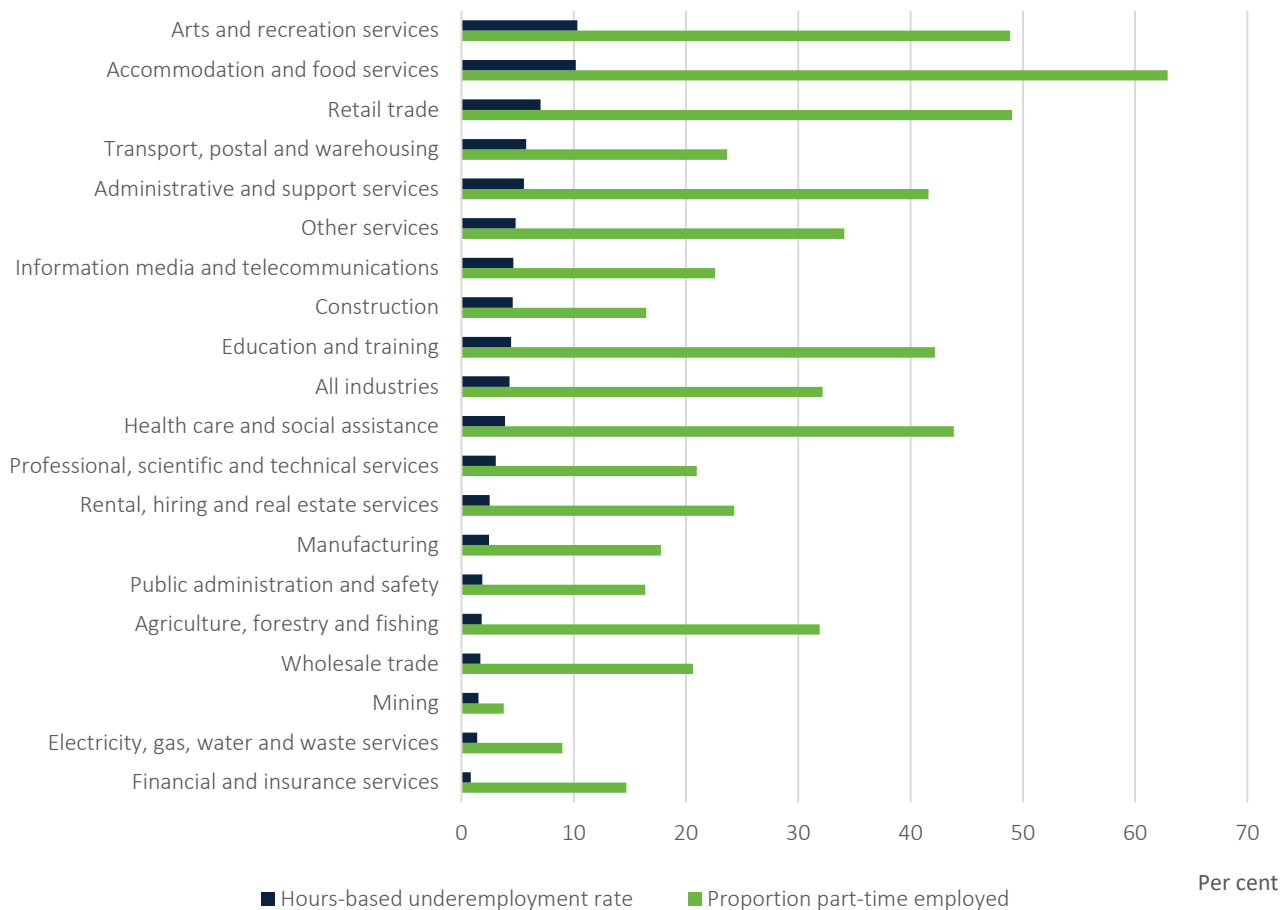


Note: Data are in original terms.

Source: ABS, *Labour Force, Australia, Detailed*, February 2022.



**Chart 6.8: Hours-based underemployment rate and proportion employed part time, by industry, 2020–21**

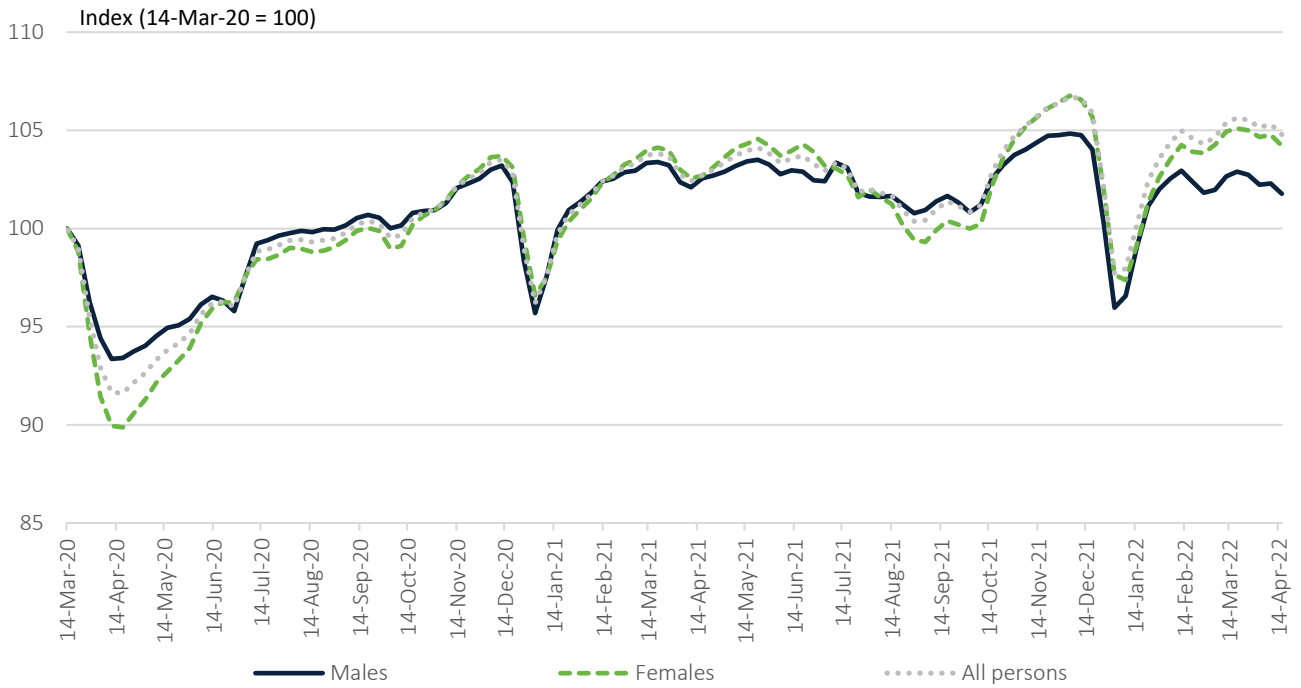


Note: The hours-based underemployment rate is calculated as the number of additional hours sought by underemployed persons expressed as a percentage of the total available hours of labour supply. The total available hours of labour supply are defined as the number of hours actually worked in all jobs plus the number of hours sought by the underemployed persons. Hours sought by unemployed persons are not included. Hours sought but not worked is taken from the Labour Force Survey. Proportion of those employed part-time by industry is calculated at the May quarter 2021.

Source: ABS, *Labour Account Australia*, December 2021; ABS, *Labour Force, Australia, Detailed*, February 2022.



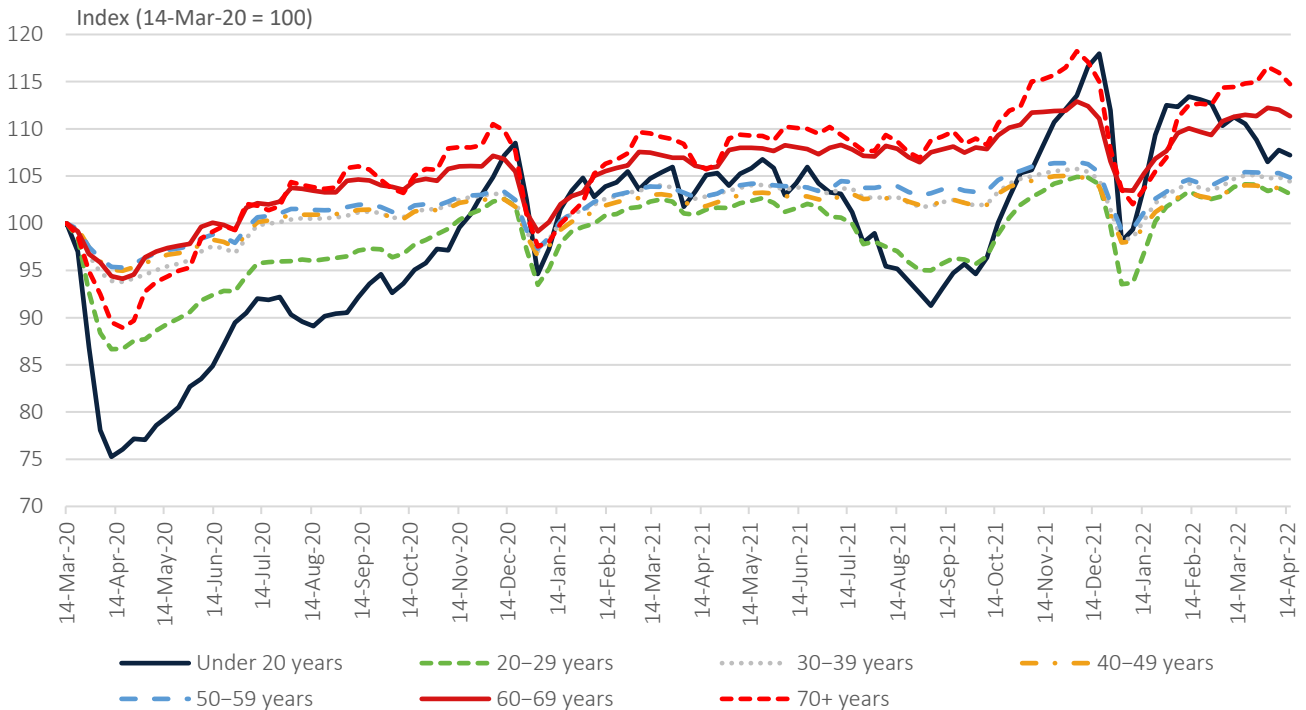
**Chart 6.9: Change in payroll jobs, by sex, 14 March 2020 to 16 April 2022**



Note: Records where the characteristic is unknown (i.e. sex) are included in the all persons index total and can result in independent movement from the component indexes. Employers with less than 20 employees began transitioning to Single Touch Payroll on 1 July 2019. Any reporting concessions that were made available for these employers ended on 30 June 2021.

Source: ABS, *Weekly Payroll Jobs and Wages in Australia*, Week ending 16 April 2022.

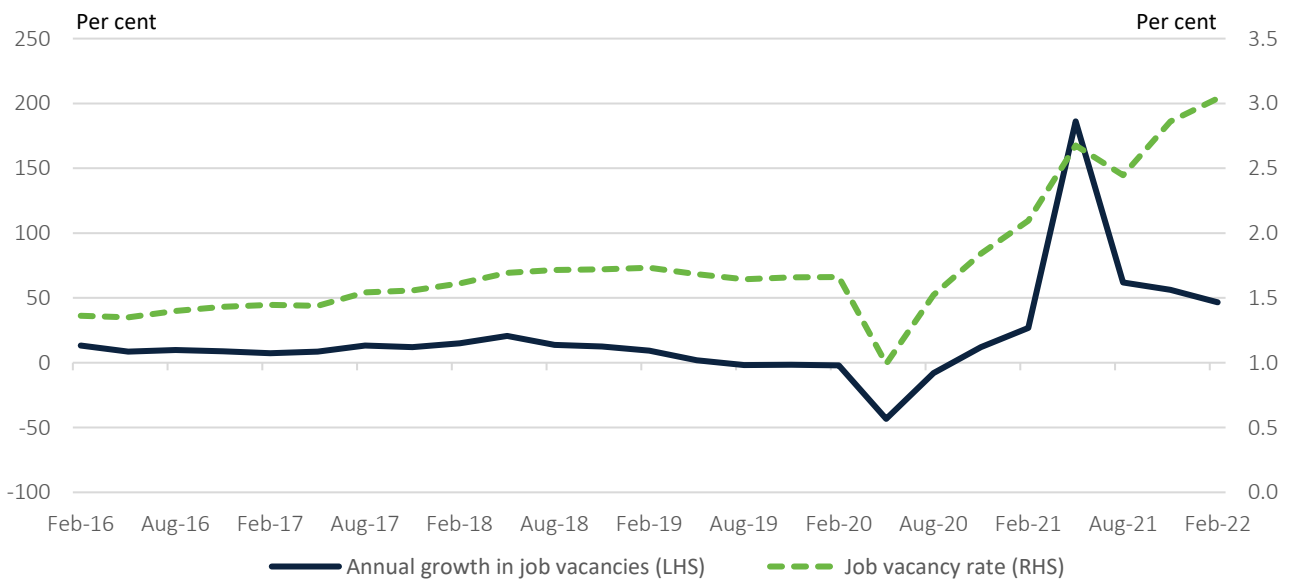
**Chart 6.10: Change in payroll jobs, by age, 14 March 2020 to 16 April 2022**



Note: Employers with less than 20 employees began transitioning to Single Touch Payroll on 1 July 2019. Any reporting concessions that were made available for these employers ended on 30 June 2021.

Source: ABS, *Weekly Payroll Jobs and Wages in Australia*, Week ending 16 April 2022.

**Chart 6.11: Job vacancies, annual growth and job vacancy rate**

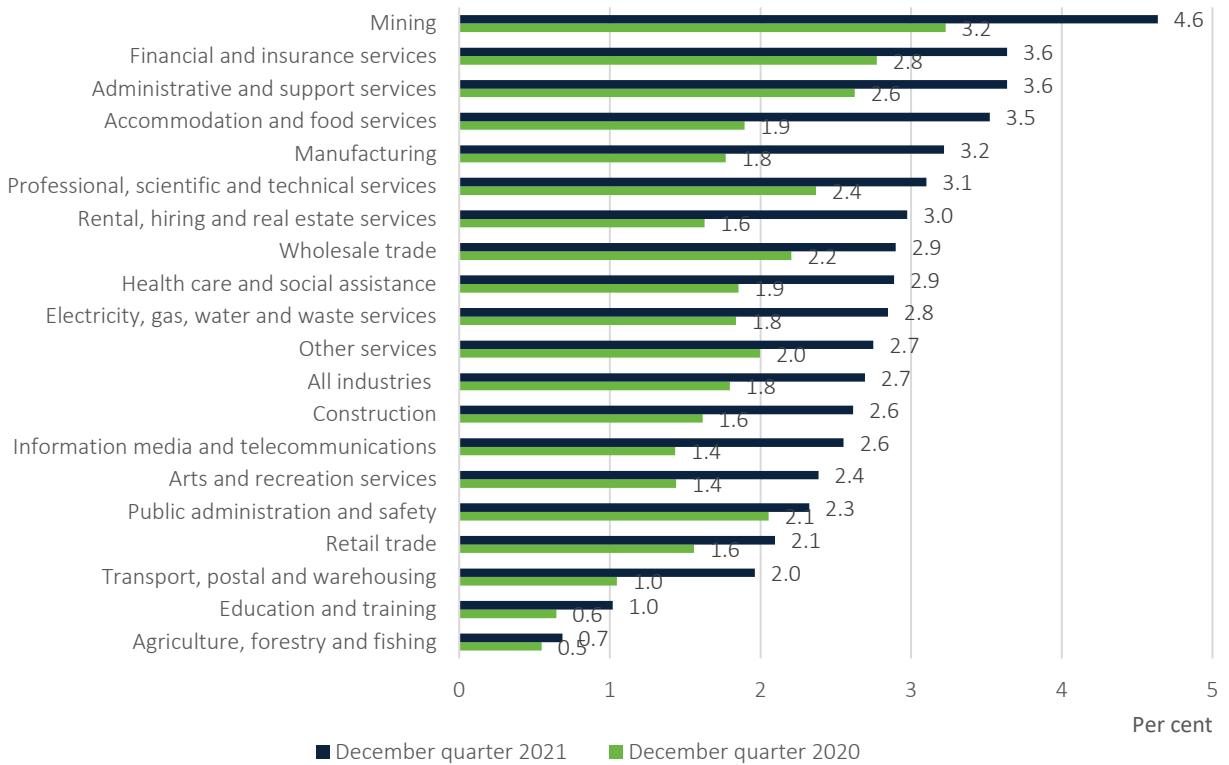


Note: The ABS define the job vacancy rate as job vacancies as a proportion of the labour force.

Source: ABS, *Job Vacancies, Australia*, February 2022; ABS, *Labour Force, Australia*, April 2022.



**Chart 6.12: Proportion of vacant jobs (job vacancy rate), by industry, December quarters 2021 and 2020**



Note: The proportion of vacant jobs is defined as the number of 'unfilled jobs' as a proportion of the number of 'total jobs'.

Source: ABS, *Labour Account Australia*, December 2021.



**Table 6.11: Household impacts of COVID-19**

Month	February 2022	March 2022	April 2022
	(%)	(%)	(%)
<b>Current job status***</b>			
Has a job	67.9	67.4	69.2
Currently working paid hours	65.8	64.6	66.8
Not currently working any paid hours	2.2	2.8	2.4
Does not have a paid job*	11.0	11.2	9.3
Retired or permanently unable to work	20.3	20.6	20.4
<b>How job situation of household changed in the last four weeks due to the COVID-19 pandemic</b>			
Job situation changed for one or more selected reasons**	26.3	19.9	18.3
Unable to work for a period of time	6.2	3.9	7.2
Worked reduced hours	4.9	3.8	4.7
Worked increased hours	5.2	4.8	4.6
Worked a different pattern of hours	4.3	3.0	3.5
Worked from home	14.0	7.8	5.7
Different to normal work responsibilities	4.5	3.1	2.8
No changes	73.5	79.7	81.6
<b>Why job situation of household changed in the last four weeks due to the COVID-19 pandemic**</b>			
Positive COVID-19 test	10.3	12.5	32.0
COVID-like symptoms	4.7	6.0	12.7
Close contact of someone with COVID-19	15.6	24.7 <sup>^</sup>	27.5
Awaiting test results	4.9	4.2	3.8
Unable to meet testing requirements	n/a	np	np
Concerns about COVID-19	24.2	17.2	8.7
Caring responsibilities	7.2	6.3	9.4
Workplace closed	13.2	7.2	2.5
Workplace has asked staff to work from home where possible	n/a	21.5	10.0
Workplace has reduced demand	16.0	10.5	10.2
Workplace has increased demand	19.7	19.4	18.8
Work colleagues are absent	20.1	26.8	25.9
Vaccine requirement in workplace	6.6	np	3.5 <sup>^</sup>
Other changes	16.4	6.9	np

Note: n/a = not available. np = not available for publication. \* includes all people without a paid job (excluding those retired and unable to work) and should be considered only a loose approximation for the combined 'unemployed' and 'not in the labour force' groups. \*\* More than one response may have been reported. Components are not able to be added together to produce a total. Where more than one response was reported the respondent is counted only once in the aggregated total. \*\*\* Refers to the respondent's self-reported job status, and is not directly comparable to Australia's official labour force measures. <sup>^</sup> Proportion has a margin of error greater than 10 percentage points or proportion  $\pm$  margin of error is less than 0 per cent or greater than 100 per cent, which should be considered when using this information.

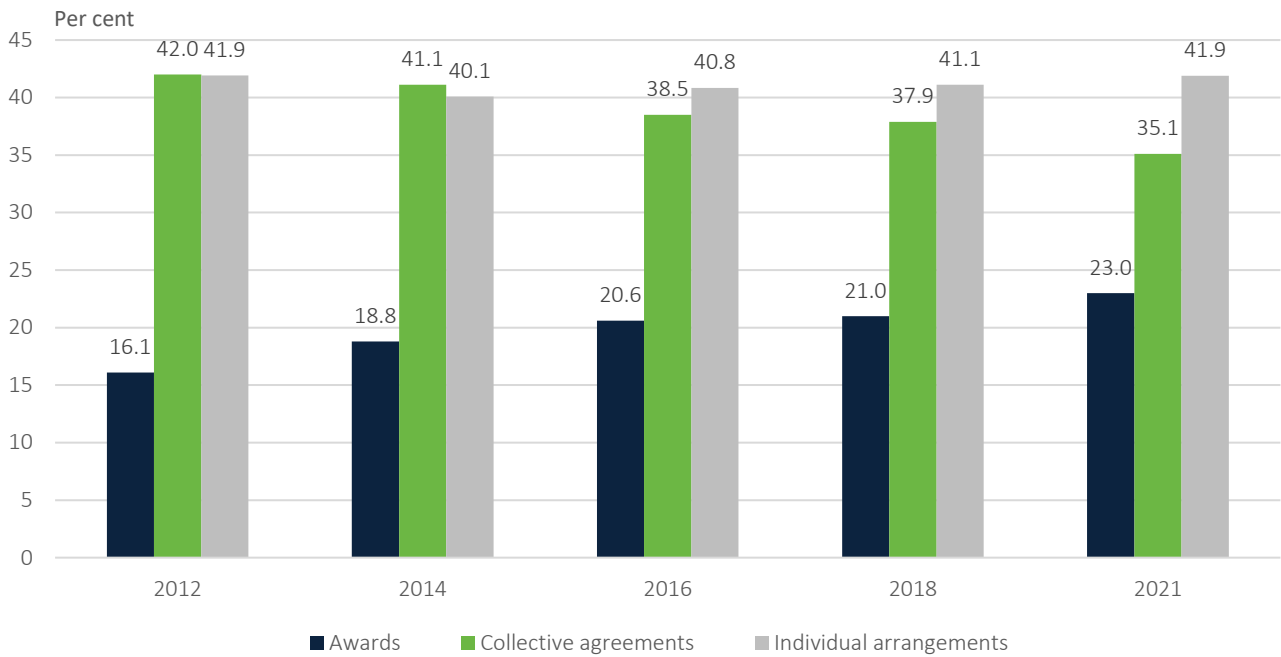
Source: ABS, *Household Impacts of COVID-19 Survey*, February 2022; ABS, *Household Impacts of COVID-19 Survey*, March 2022; ABS, *Household Impacts of COVID-19 Survey*, April 2022.





## 7. Award reliance

Chart 7.1: Method of setting pay



Note: Awards refers to the proportion of employees in an industry that are paid exactly the award rate and are not paid more than that rate of pay. As defined by the ABS, individual arrangements include registered or unregistered individual agreements and owner managers of incorporated businesses. Estimates of the proportion of employees on awards and collective agreements in 2016 have been revised on the basis of the 2018 conceptual treatment of these methods of payment. Owner managers of incorporated businesses comprised the following proportion of all employees: 2012 = 3.3%; 2014 = 3.4%; 2016 = 3.6%; 2018 = 3.8%; 2021 = 4.1 %.

Source: ABS, 'A Guide to Understanding Employee Earnings and Hours Statistics', Feature Article, in *Employee Earnings and Hours, Australia, May 2018*; ABS, *Employee Earnings and Hours, Australia*, various.



**Table 7.1: Award reliance by industry**

	2012 (%)	2014 (%)	2016* (%)	2018* (%)	2021 (%)
<b>All industries</b>	<b>16.1</b>	<b>18.8</b>	<b>22.4</b>	<b>22.5</b>	<b>23.0</b>
Mining	0.6	0.8	0.1	0.9	1.1
Manufacturing	11.3	15.7	17.7	20.8	19.1
Electricity, gas, water and waste services	4.3	6.9	6.5	4.1	5.8
Construction	10.6	13.7	19.7	16.6	13.4
Wholesale trade	8.1	11.9	16.8	16.1	10.0
Retail trade	25.6	28.5	34.5	30.1	29.6
Accommodation and food services	44.8	42.8	42.7	44.9	60.4
Transport, postal and warehousing	7.3	10.9	11.9	12.7	12.6
Information media and telecommunications	5.7	5.2	5.5	7.1	7.3
Financial and insurance services	4.7	5.0	3.6	5.2	5.1
Rental, hiring and real estate services	20.9	22.1	27.2	29.4	22.1
Professional, scientific and technical services	6.0	9.9	9.3	8.0	5.7
Administrative and support services	29.0	37.3	42.0	41.3	42.4
Public administration and safety	6.9	12.8	15.2	10.9	13.0
Education and training	6.8	5.1	8.5	10.0	7.8
Health care and social assistance	19.0	22.3	27.8	31.7	33.3
Arts and recreation services	19.7	22.0	26.2	22.5	26.6
Other services	24.6	25.1	34.3	38.1	38.1

Note: \* Only presented for non-managerial employees in 2016 and 2018 as data for all employees by method of setting pay and industry are not available. Estimates of the proportion of employees on awards and collective agreements in 2016 have been revised on the basis of the 2018 conceptual treatment of these methods of payment.

Award reliance refers to the proportion of employees in an industry that are paid exactly the award rate and are not paid more than that rate of pay.

Source: ABS, 'A Guide to Understanding Employee Earnings and Hours Statistics', Feature Article, in *Employee Earnings and Hours, Australia*, May 2018; ABS, *Employee Earnings and Hours, Australia*, various.



**Table 7.2: Economic indicators by award-reliant industries**

	Accommodation and food services	Administrative and support services	Other services	Health care and social assistance	Retail trade	All industries
Percentage of employees reliant on award wages, May 2021 <sup>a</sup>	60.4	42.4	38.1	33.3	29.6	<b>23.0</b>
Gross value added: percentage growth over the year to March quarter 2022	-0.5	11.1	3.3	5.1	4.8	<b>3.8</b>
Company gross operating profits: percentage growth over the year to March quarter 2022 <sup>b</sup>	-62.5	-37.4	56.8	n/a	14.0	<b>25.3</b>
Business entry rate, over year to June 2021	17.9	20.3	17.9	15.2	18.2	<b>15.8</b>
Business exit rate, over year to June 2021	12.8	15.1	10.6	8.0	11.9	<b>12.0</b>
Wage Price Index: percentage growth over the year to March quarter 2022 <sup>a</sup>	2.6	2.6	2.1	2.1	2.3	<b>2.4</b>
Percentage annual wage growth under new collective agreements December quarter 2021	3.5	3.8	2.2	2.4	2.6	<b>2.6</b>
Employment: percentage increase over the year to February quarter 2022	5.8	6.2	1.2	11.3	-2.7	<b>3.0</b>
Hours worked: percentage increase over the year to February quarter 2022	8.4	9.9	1.6	12.5	-2.7	<b>2.7</b>

Note: (a) All industries excludes Agriculture, forestry and fishing; (b) All industries excludes Education and training, Health care and social assistance and some subdivisions of Finance and insurance services. n/a = not available.

The award-reliant industries selected are the five industries with the highest proportion of employees reliant on award rates of pay according to the Employee Earnings and Hours 2021 survey. The WPI and actual hours worked data are expressed in original terms. Due to a temporary suspension in the trend series, employment data are expressed in seasonally adjusted terms.

Entry rates are business entries in the financial year as a proportion of total businesses operating at the start of the financial year. Exit rates are total business exits in the financial year as a proportion of total businesses operating at the start of the financial year.

Source: ABS, *Australian National Accounts: National Income, Expenditure and Product*, March 2022; ABS, *Business Indicators, Australia*, March 2022; ABS, *Counts of Australian Businesses, including Entries and Exits*, July 2017 to June 2021; ABS, *Employee Earnings and Hours, Australia*, May 2021; ABS, *Labour Force, Australia, Detailed*, February 2022, ABS, *Wage Price Index, Australia*, March 2022; Attorney-General's Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021, <<https://www.ag.gov.au/industrial-relations/enterprise-agreements-data/Pages/trends-in-federal-enterprise-bargaining.aspx>>.



**Table 7.3: Award reliance by occupation**

	2012	2014	2016*	2018*	2021
	(%)	(%)	(%)	(%)	(%)
<b>All occupations</b>	<b>16.1</b>	<b>18.8</b>	<b>24.5</b>	<b>22.5</b>	<b>23.0</b>
Managers	2.8	7.1	9.8	8.1	4.9
Professionals	7.1	6.9	15.8	9.9	8.7
Technicians and trades workers	17.6	21.8	23.4	22.1	23.3
Community and personal service workers	28.8	34.2	39.2	38.6	44.4
Clerical and administrative workers	11.4	12.3	17.0	16.5	16.2
Sales workers	25.8	29.7	31.0	30.4	33.8
Machinery operators and drivers	13.2	16.4	20.2	20.5	19.7
Labourers	29.0	31.4	37.0	34.6	41.6

Note: \* Only presented for non-managerial employees in 2016 and 2018 as data for all employees by method of setting pay and industry are not available.

Award reliance refers to the proportion of employees in an industry that are paid exactly the award rate and are not paid more than that rate of pay.

Source: ABS, *Employee Earnings and Hours, Australia*, various.



## 8. Relative living standards

**Table 8.1: NMW relative to median weekly earnings of full-time employees**

Month	NMW	Median earnings of full-time employees in main job	Ratio of NMW to median earnings in main job
	(\$)	(\$)	(%)
Aug-11	589.30	1100	53.6
Aug-12	606.40	1150	52.7
Aug-13	622.20	1153	54.0
Aug-14	640.90	1208	53.1
Aug-15	656.90	1233	53.3
Aug-16	672.70	1250	53.8
Aug-17	694.90	1284	54.1
Aug-18	719.20	1344	53.5
Aug-19	740.80	1380	53.7
Aug-20	753.80	1430	52.7
Aug-21	772.60	1500	51.5

Note: Median earnings refers to the level of earnings that divides the distribution into two groups of equal size, one having earnings above and the other below that amount. The median is less affected by outliers and skewed data than the mean. The median earnings data reflects revised estimates as result from a rebenchmarking of estimates. Median earnings are presented to the nearest dollar.

Source: ABS, *Characteristics of Employment, Australia*, various; FWA/FWC decisions.



**Table 8.2: Two-thirds of median weekly earnings**

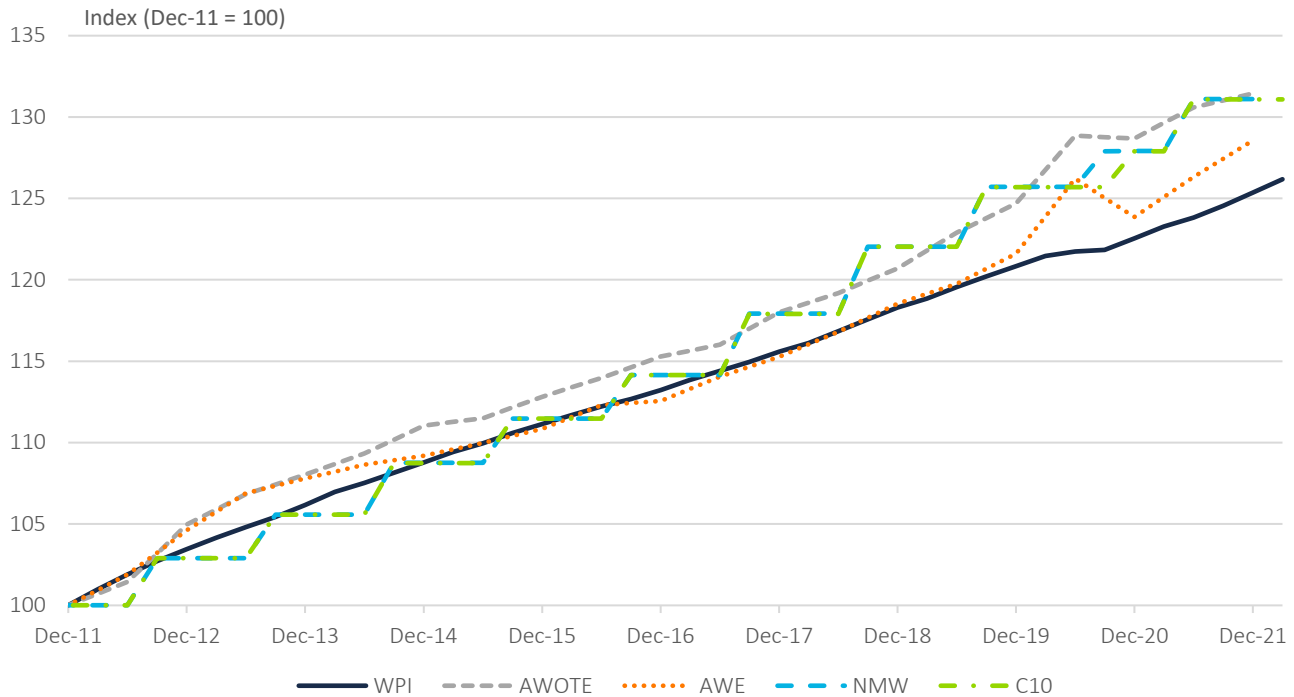
Year	COE (\$)	EEH (\$)
2012	766.67	808.00
2013	768.67	n/a
2014	805.50	879.33
2015	822.10	n/a
2016	833.33	917.33
2017	856.00	n/a
2018	896.00	973.33
2019	920.00	n/a
2020	953.33	n/a
2021	1000.00	1062.00

Note: Data for both measures of median weekly earnings include amounts salary sacrificed. Weekly earnings from the COE are earnings in the main job for full-time employees and are for August of each year. Weekly earnings from the EEH are weekly total cash earnings for full-time non-managerial adult employees. The figures are for May of each year. n/a = not available.

Source: ABS, *Characteristics of Employment, Australia*, various; ABS, *Employee Earnings and Hours, Australia*, various.



**Chart 8.1: Growth in NMW, C10, AWOTE, AWE and WPI, index**

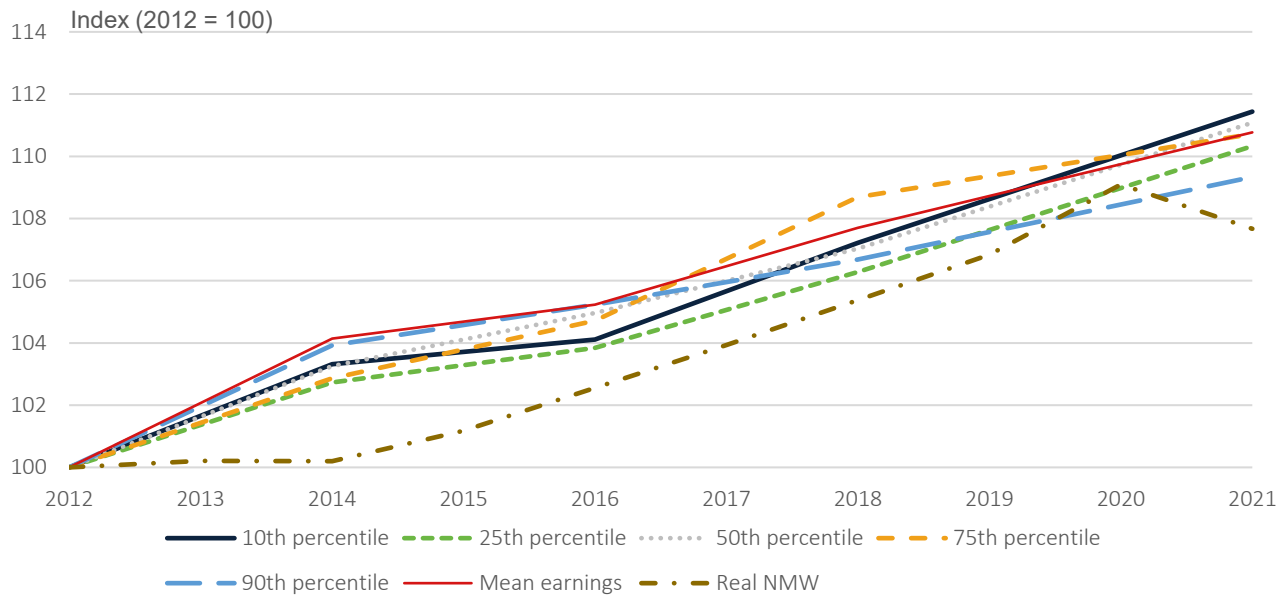


Note: This chart reflects available data for the period December quarter 2011 to March quarter 2022. See Chart 5.1 for information on the WPI and AWOTE. Average weekly earnings (AWE) is the gross (before tax) earnings of employees (excluding salary sacrifice). AWOTE and AWE are published half-yearly for May and November, hence, a quarterly series has been derived. AWOTE and AWE data are expressed in original terms. The C10 are minimum award rates set under the *Manufacturing and Associated Industries and Occupations Award 2010*. In the Annual Wage Review 2019–20, the operative date of the variation to the C10 rate was on 1 November 2020.

Source: ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Wage Price Index, Australia*, March 2022; *Manufacturing and Associated Industries and Occupations Award 2010*; *Manufacturing and Associated Industries and Occupations Award 2020*.



**Chart 8.2: Real weekly total earnings (full-time adult non-managerial employees) by percentile and the real NMW, index**



Note: Earnings data for 2014, 2016, 2018, and 2021 are based on full-time non-managerial employees paid at the adult rate.

Source: ABS, *Consumer Price Index, Australia*, March 2022; ABS, *Employee Earnings and Hours, Australia*, various; *Manufacturing and Associated Industries and Occupations Award 2010*; *Manufacturing and Associated Industries and Occupations Award 2020*.

**Table 8.3: Ratio of selected percentiles to the mean and median of real weekly total earnings (full-time adult non-managerial employees)**

	2012	2014	2016	2018	2021
<b>Ratio of selected percentiles to mean real earnings</b>					
10 <sup>th</sup> percentile	0.56	0.56	0.55	0.56	0.56
25 <sup>th</sup> percentile	0.68	0.67	0.67	0.67	0.68
50 <sup>th</sup> percentile	0.88	0.87	0.88	0.88	0.88
75 <sup>th</sup> percentile	1.19	1.18	1.18	1.20	1.19
90 <sup>th</sup> percentile	1.57	1.57	1.57	1.56	1.55
<b>Ratio of selected percentiles to median real earnings</b>					
10 <sup>th</sup> percentile	0.63	0.63	0.63	0.64	0.64
25 <sup>th</sup> percentile	0.77	0.77	0.76	0.76	0.76

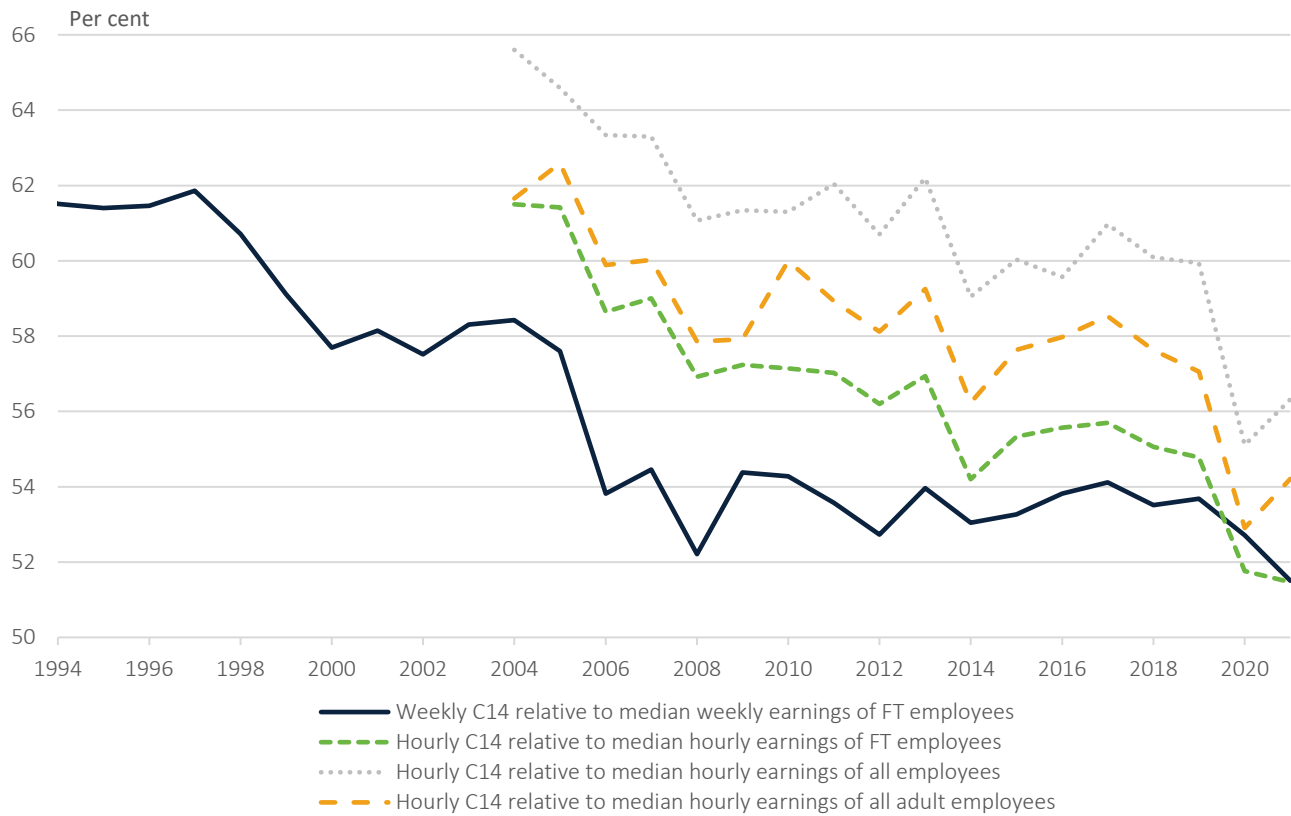
Note: Earnings data for 2014, 2016, 2018, and 2021 are based on full-time non-managerial employees paid at the adult rate. Median earnings refer to the level of earnings that divides the distribution into two groups of equal size, one having earnings above and the other below that amount. The median is less affected by outliers and skewed data than the mean.

Source: ABS, *Employee Earnings and Hours, Australia*, various.





**Chart 8.3: C14 rate relative to median earnings of employees in main job**



Note: Median earnings are measured in August of each year. Following the amendments to the *Workplace Relations Act 1996* (Cth) taking effect in 2006, the Federal Minimum Wage (FMW) was set at \$12.75 per hour, equivalent to \$484.50 per week. The C14 rate in 2020 reflects the amount as at 1 November 2020 (\$753.80). Earnings are for employees including owner managers of incorporated enterprises.

Median earnings from 2004 onwards are taken from the COE survey, with median hourly earnings of adult employees sourced from unpublished COE data. The median earnings data reflect revised estimates as a result of rebenchmarking.

Source: ABS, *Characteristics of Employment, Australia*, various; ABS, *Employee Earnings, Benefits and Trade Union Membership, Australia*, various; ABS, *Weekly Earnings of Employees (Distribution), Australia*, various; *Metal, Engineering and Associated Industries Award 1998*; *Manufacturing and Associated Industries and Occupations Award 2010*; *Manufacturing and Associated Industries and Occupations Award 2020*.



**Table 8.4: Nominal disposable income of selected NMW-reliant households**

Household type	Disposable income	Change		
	July 2021	July 2020 to July 2021	July 2020 to July 2021	July 2016 to July 2021
	(\$pw)	(\$pw)	(%)	(%)
Single adult	697.23	15.33	2.2	15.0
Single parent working FT, 1 child	970.35	18.01	1.9	11.0
Single parent working PT, 1 child	643.97	11.71	1.9	8.0
Single parent working FT, 2 children	1081.09	18.99	1.8	9.3
Single parent working PT, 2 children	754.71	12.69	1.7	6.1
Single-earner couple (with NSA/JSP)	924.92	-291.20	-23.9	15.9
Single-earner couple	710.74	13.82	2.0	13.6
Single-earner couple, 1 child (with NSA/JSP)	1114.33	-227.80	-17.0	12.0
Single-earner couple, 1 child	970.35	18.01	1.9	11.0
Single-earner couple, 2 children (with NSA/JSP)	1231.98	-219.90	-15.1	10.9
Single-earner couple, 2 children	1081.09	18.99	1.8	9.3
Dual-earner couple	1083.53	24.72	2.3	14.9
Dual-earner couple, 1 child	1270.72	21.77	1.7	10.6
Dual-earner couple, 2 children	1381.46	22.75	1.7	9.1
<b>CPI</b>			<b>3.8</b>	<b>9.4</b>

Note: The percentage change in the CPI over July 2020 to July 2021 and July 2016 to July 2021 were calculated with reference to the June quarter. CPI data are expressed in original terms.

Assumptions: Single-earner households earn 100 per cent of the weekly NMW. Single parents working part time (PT) earn 50 per cent of the weekly NMW, those working full time (FT) earn 100 per cent. Dual-earner households comprise one partner earning 100 per cent of the NMW, the other earns 50 per cent. Applicable NMW rates per week are: \$672.70 in July 2016; \$753.80 in July 2020 and \$772.60 in July 2021.

Tax/transfer parameters as at July each year. Disposable income includes all available income transfers, unless otherwise specified. Children are aged 8–12 years and attending primary school. Households paying sufficient rent to receive maximum Rent Assistance where applicable. From 20 March 2020 the Newstart Allowance (NSA) was replaced by the JobSeeker Payment (JSP). Single-earner couples are modelled in two scenarios: 1) the non-earning partner is in the labour force and receiving proportional rates of NSA or JSP and 2) the non-earning partner is not in the labour force and therefore not in receipt of NSA or JSP. Recipients of JSP in July 2020 also received the Coronavirus Supplement at \$550 per fortnight. A person who was in receipt of JSP or Family Tax Benefit between 12 March 2020 and 13 April 2020 were also eligible to receive a tax-free \$750 Economic Support Payment. This has not been modelled, but if applied, the single-earner couple (with JSP) household and households with children would have received a further \$14.42 per week in disposable income on average. The Coronavirus Supplement and the Economic Support Payment ceased from March 2021. Single-parent households and secondary earners in dual-earner households are not seeking further work and not in receipt of income support. The disposable income of households receiving the JobKeeper Payment from their employer as their income has not been modelled.

Households with children receive the fixed value of the Schoolkids Bonus in 2013–2016. Disposable incomes for households with children for 2013 to 2016 reflect the average weekly rate of Schoolkids Bonus instalments in the given year. In 2013 the Schoolkids Bonus accounted for a weekly average of \$7.88 per child in the disposable income for all households with children modelled (excepting dual earner households earning AWOTE as they were not eligible for this transfer). The Schoolkids Bonus was not payable from 2017.

Source: ABS, *Consumer Price Index, Australia*, March 2022; Fair Work Commission modelling.



**Table 8.5: Modelling the 2021 NMW increase, wage increase retained and components of change in disposable income of selected NMW-reliant households, July 2021**

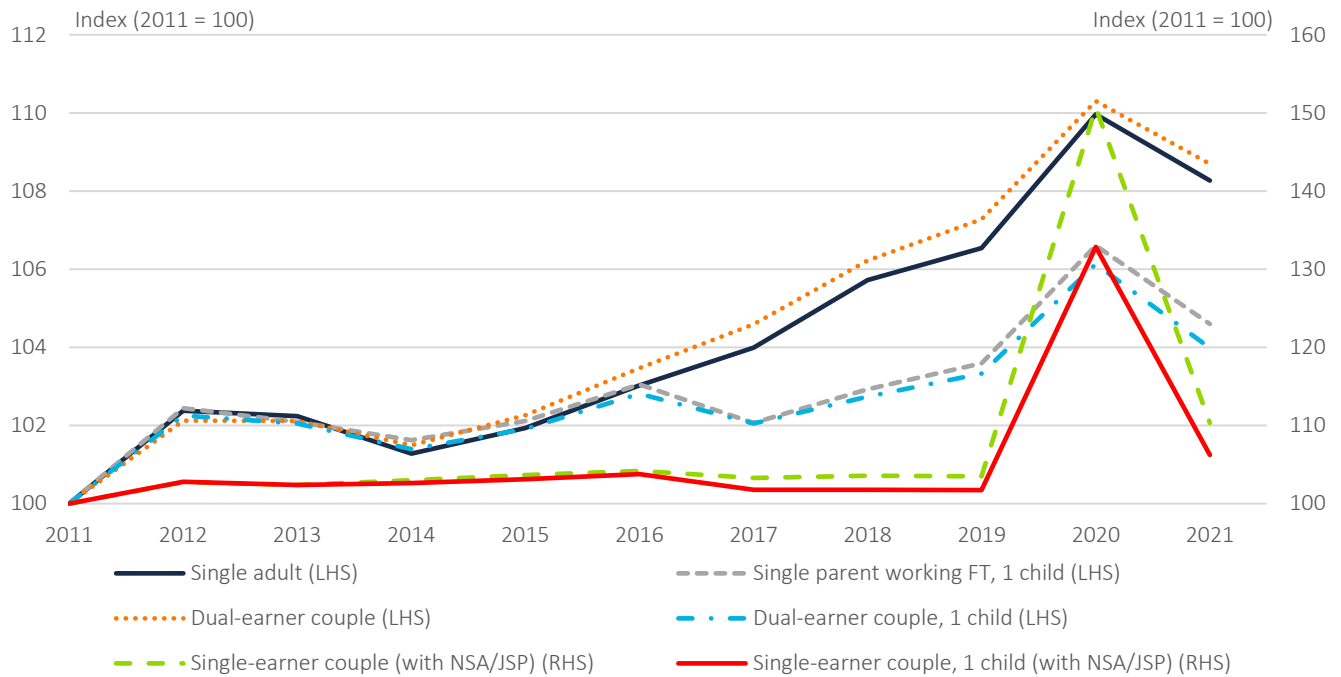
Household type	Change in disposable income	Components of change			NMW increase retained
		Wage increase	Taxes	Transfers	
		(\$ pw)	(\$)	(\$)	
Single adult	15.32	18.80	-3.48	0.00	81.5
Single parent working FT, 1 child	15.70	18.80	-3.10	0.00	83.5
Single parent working PT, 1 child	9.40	9.40	0.00	0.00	100.0
Single parent working FT, 2 children	15.70	18.80	-3.10	0.00	83.5
Single parent working PT, 2 children	9.40	9.40	0.00	0.00	100.0
Single-earner couple (with NSA/JSP)	3.44	18.80	-4.08	-11.28	18.3
Single-earner couple	13.82	18.80	-4.98	0.00	73.5
Single-earner couple, 1 child (with NSA/JSP)	5.69	18.80	-4.08	-9.03	30.3
Single-earner couple, 1 child	15.70	18.80	-3.10	0.00	83.5
Single-earner couple, 2 children (with NSA/JSP)	6.06	18.80	-3.71	-9.03	32.2
Single-earner couple, 2 children	15.70	18.80	-3.10	0.00	83.5
Dual-earner couple	24.72	28.20	-3.48	0.00	87.7
Dual-earner couple, 1 child	17.22	28.20	-3.48	-7.50	61.1
Dual-earner couple, 2 children	17.22	28.20	-3.48	-7.50	61.1

Note: Tax/transfer parameters as at July 2021. The NMW increase retained is calculated as the change in disposable income as a proportion of the wage increase. Other assumptions as per Table 8.4.

Source: Fair Work Commission modelling.



**Chart 8.4: Growth in real weekly household disposable income for selected NMW-reliant households, index**



Note: Tax/transfer parameters and NMW rate as at July of each year. Other assumptions as per Table 8.4. Between July 2013 and July 2014, the income-free threshold for NSA increased.

Real weekly household disposable income is adjusted with reference to the June quarter CPI.

Source: ABS, *Consumer Price Index, Australia*, March 2022; Fair Work Commission modelling.



**Table 8.6: Ratio of disposable income of selected households earning various wage rates to a 60 per cent median income poverty line**

Household type	December 2016					December 2020					December 2021				
	60% median income PL (\$ pw)	Disposable income as a ratio of 60% median income PL				60% median income PL (\$ pw)	Disposable income as a ratio of 60% median income PL				60% median income PL (\$ pw)	Disposable income as a ratio of 60% median income PL			
		C14	C10	C4	AWOTE		C14	C10	C4	AWOTE		C14	C10	C4	AWOTE
Single adult	519.48	1.17	1.31	1.51	2.25	606.87	1.12	1.29	1.48	2.18	636.50	1.10	1.25	1.44	2.09
Single parent working FT, 1 child	675.32	1.29	1.41	1.54	1.95	788.94	1.21	1.33	1.46	1.82	827.46	1.17	1.29	1.42	1.76
Single parent working PT, 1 child	675.32	0.88	0.96	1.05	1.39	788.94	0.80	0.88	0.97	1.31	827.46	0.78	0.86	0.94	1.27
Single parent working FT, 2 children	831.16	1.19	1.29	1.40	1.73	971.00	1.09	1.20	1.31	1.58	1018.41	1.06	1.16	1.26	1.53
Single parent working PT, 2 children	831.16	0.86	0.92	0.99	1.27	971.00	0.76	0.83	0.90	1.18	1018.41	0.74	0.80	0.88	1.15
Single-earner couple (with NSA/JSP)	779.22	1.03	1.03	1.04	1.50	910.31	1.19	1.27	1.34	1.62	954.76	0.98	1.00	1.01	1.41
Single-earner couple	779.22	0.80	0.89	1.01	1.50	910.31	0.77	0.86	0.99	1.46	954.76	0.74	0.84	0.96	1.41
Single-earner couple, 1 child (with NSA/JSP)	935.06	1.06	1.07	1.11	1.41	1092.37	1.13	1.19	1.27	1.32	1145.71	0.98	1.00	1.02	1.27
Single-earner couple, 1 child	935.06	0.93	1.02	1.11	1.41	1092.37	0.87	0.96	1.06	1.32	1145.71	0.85	0.93	1.02	1.27
Single-earner couple, 2 children (with NSA/JSP)	1090.90	1.02	1.03	1.06	1.32	1274.44	1.05	1.11	1.17	1.20	1336.66	0.93	0.95	0.96	1.16
Single-earner couple, 2 children	1090.90	0.91	0.98	1.06	1.32	1274.44	0.83	0.91	0.99	1.20	1336.66	0.81	0.89	0.96	1.16
Dual-earner couple	779.22	1.21	1.38	1.58	2.36	910.31	1.16	1.34	1.54	2.30	954.76	1.13	1.31	1.50	2.23
Dual-earner couple, 1 child	935.06	1.23	1.32	1.44	1.97	1092.37	1.14	1.25	1.35	1.91	1145.71	1.11	1.21	1.31	1.86
Dual-earner couple, 2 children	1090.90	1.16	1.24	1.34	1.69	1274.44	1.07	1.16	1.23	1.64	1336.66	1.03	1.12	1.19	1.59



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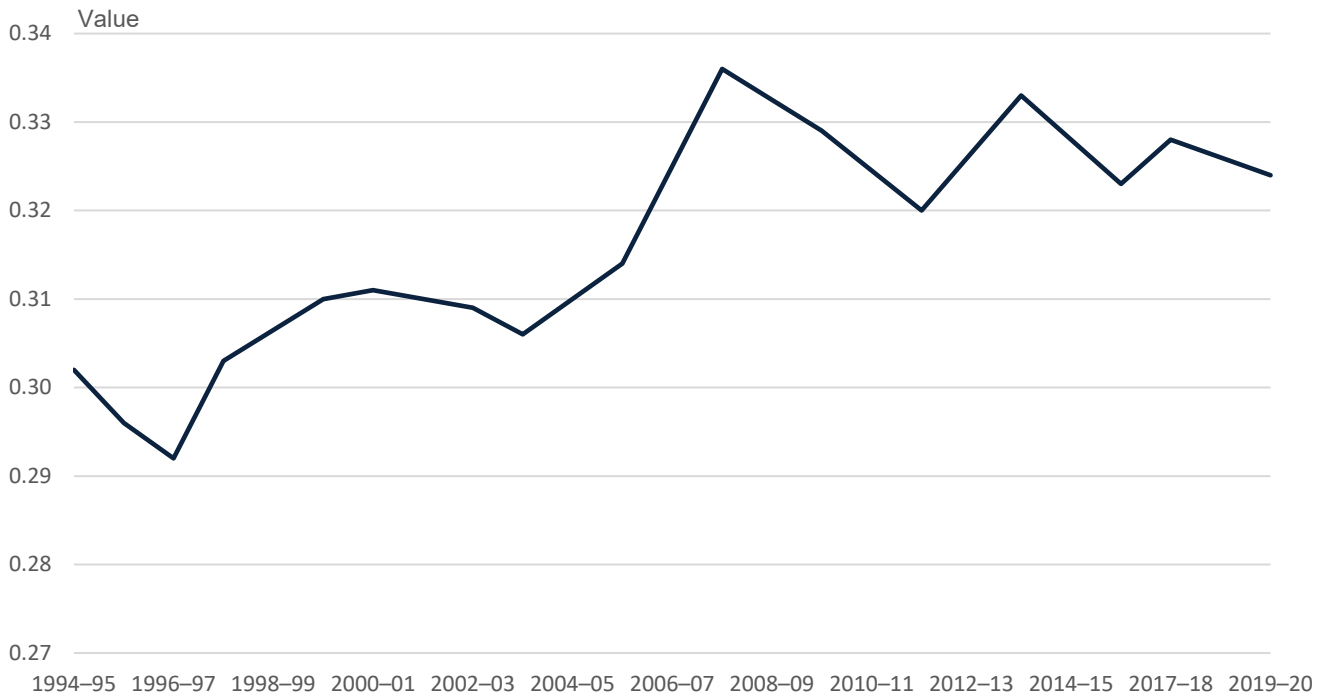
Note: Poverty lines are based on estimates of median equivalised household disposable income in 2015–16 for December 2016 and 2019–20 for December 2020 and December 2021, and adjusted for movements in household disposable income per head as calculated by the Melbourne Institute of Applied Economic and Social Research, and adjusted for household composition using the modified OECD equivalence scale. The C14, C10 and C4 are minimum award rates set under the *Manufacturing and Associated Industries and Occupations Award 2010*. AWOTE data are expressed in original terms.

Assumptions: Tax-transfer parameters as at December 2016, December 2020 and December 2021. Wage rates for 2016: C14 = \$672.70 pw, C10 = \$783.30 pw, C4 = \$940.90 and AWOTE of full-time adult employees = \$1533.40 pw. Wage rates for 2020: C14 = \$753.80 pw, C10 = \$877.60 pw, C4 = \$1054.20 pw, AWOTE of full-time adult employees = \$1711.60. Wage rates for 2021: C14 = \$772.60 pw, C10 = \$899.50 pw, C4 = \$1080.60 pw and AWOTE of full-time adult employees = \$1748.40. In the Annual Wage Review 2019–20 the variation to C14, C10 and C4 operated from 1 November 2020. Other assumptions as per Table 8.4.

Source: ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Household Income and Wealth, Australia*, 2015–16 financial year; ABS, *Household Income and Wealth, Australia*, 2019–20 financial year; Fair Work Commission modelling; *Manufacturing and Associated Industries and Occupations Award 2010*; Melbourne Institute of Applied Economic and Social Research, *Poverty Lines: Australia*, December quarter 2021.



**Chart 8.5: Gini coefficient of equivalised household disposable income**



Note: Estimates presented for 2007–08 onwards are not directly comparable with estimates for previous cycles due to improvements made to measuring income introduced in the 2007–08 cycle. Estimates for 2003–04 and 2005–06 have been recompiled to reflect those improvements; however, not all components introduced in 2007–08 were available for earlier cycles.

Source: ABS, *Household Income and Wealth, Australia*, 2019–20 financial year.

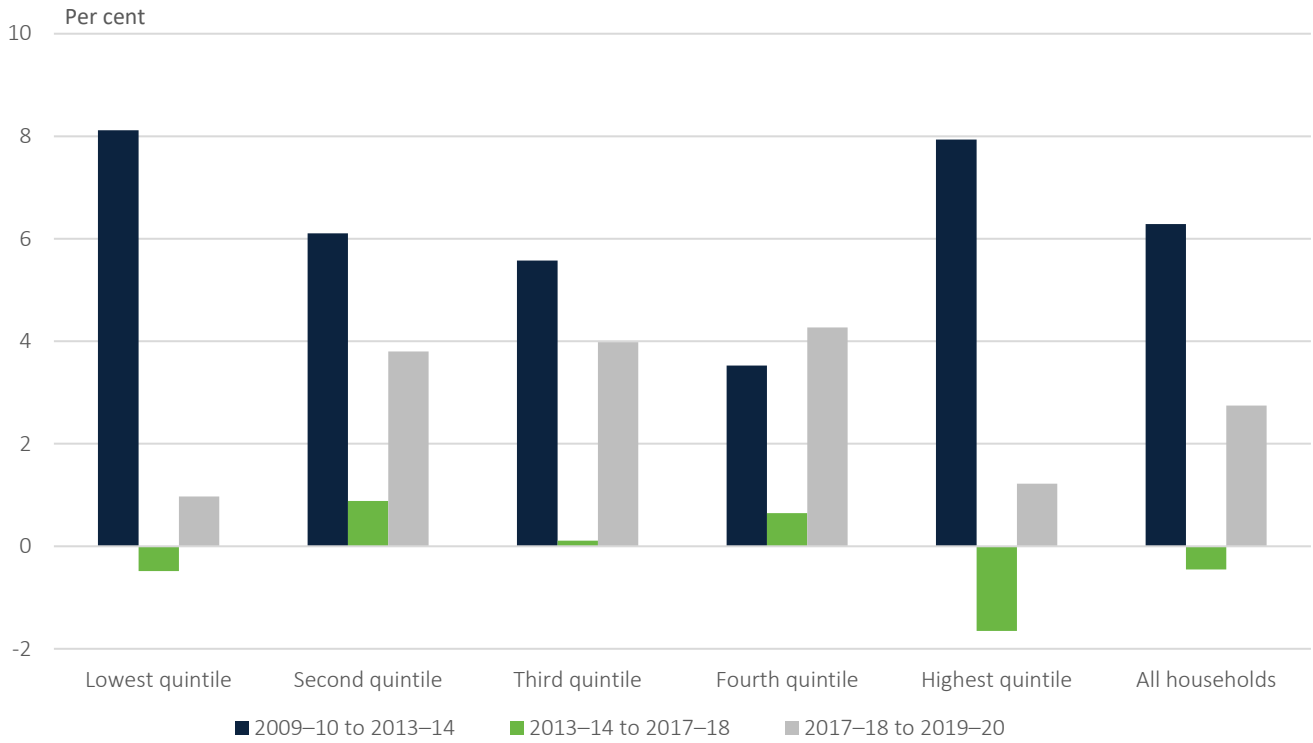
**Table 8.7: Growth in real weekly equivalised household disposable income, by selected percentiles**

	2009–10 to 2013–14	2013–14 to 2017–18	2017–18 to 2019–20
	(% change)	(% change)	(% change)
10 <sup>th</sup> percentile	9.6	0.7	3.3
50 <sup>th</sup> percentile (median)	6.7	–0.4	3.6
90 <sup>th</sup> percentile	5.3	–1.6	3.9

Source ABS, *Household Income and Wealth, Australia*, 2019–20 financial year.



**Chart 8.6: Growth in real weekly equivalised household disposable income, by quintile**



Source: ABS, *Household Income and Wealth, Australia*, 2019-20 financial year.





**Table 8.8: Characteristics of low-paid adult employees, 2020**

	Low-paid adult employees	Higher-paid adult employees
	(%)	(%)
<b>Personal characteristics</b>		
<b>Gender</b>		
Male	44.5	50.2
Female	55.5	49.8
<b>Age Group</b>		
21-24	21.8	6.3
25-29	19.0	13.8
30-49	34.6	51.2
50-64	21.7	25.8
65 and over	2.9	2.9
<b>Region</b>		
Metropolitan	63.2	73.1
Regional	36.8	26.9
<b>Highest level of education achieved</b>		
Year 12 and below	46.5	22.7
Advanced diploma or Certificate III/IV	31.6	32.7
Bachelor degree or above	21.9	44.5
<b>Currently studying</b>		
Studying full-time or part-time	19.8	10.3
Not studying	80.2	89.7
<b>Country of birth</b>		
Australia	70.0	69.0
Main English Speaking	8.0	11.0
Other	22.0	20.0
<b>Marital status</b>		
Married	36.5	53.1
De facto	17.5	17.3
Separated/Divorced/Widowed	8.5	8.7
Never married and not de facto	37.6	20.8
<b>Aboriginal or Torres Strait Islander origin</b>		
Yes	3.7	2.4
No	96.3	97.6
<b>Has long-term health condition, disability or impairment</b>		
Yes	22.7	15.4
No	77.3	84.6



	Low-paid adult employees	Higher-paid adult employees
	(%)	(%)
<b>Employment characteristics</b>		
<b>Full-time/Part-time status</b>		
Full-time	50.7	73.5
Part-time	49.3	26.5
<b>Employment type</b>		
Casual	53.7	11.8
Permanent	46.3	88.2
<b>Method of setting pay</b>		
Award only	47.0	19.0
Collective agreement	16.2	35.0
Individual arrangement	36.8	46.0
<b>Union membership</b>		
Yes	9.3	21.4
No	90.7	78.6
<b>Number of jobs</b>		
One	92.1	93.0
More than one	7.9	7.0
<b>Work schedule</b>		
Regular daytime schedule	78.4	81.3
Regular evening or night shift	6.0	4.3
Rotating shift, split shift, on call, irregular schedules	15.6	14.3
<b>Independent contractor</b>		
Yes	5.4*	2.2
No	94.6	97.8
<b>Underemployed</b>		
Yes	18.7	7.3
No	81.3	92.7
<b>Business characteristics</b>		
<b>Sector</b>		
Private	87.8	70.9
Public	12.2	29.1
<b>Business size</b>		
1-19 employees	49.8	26.6
20-199 employees	36.8	44.4
200+ employees	13.4	29.1



Note: This updates the analysis undertaken in Yuen K, Ellis G & Nelms L (2018), *Characteristics of workers earning the national minimum wage rate and of the low paid*, Fair Work Commission Research Report 3/2018. Low-paid adult employees were defined as those paid below two-thirds of median hourly earnings in the HILDA data. In 2020, 15.1 per cent of adult employees were considered low paid. Proportions for each characteristic sum to 100. For the method of setting pay variable, individuals that reported both collective agreement and individual arrangement as their method of setting pay were reclassified to individual arrangement.

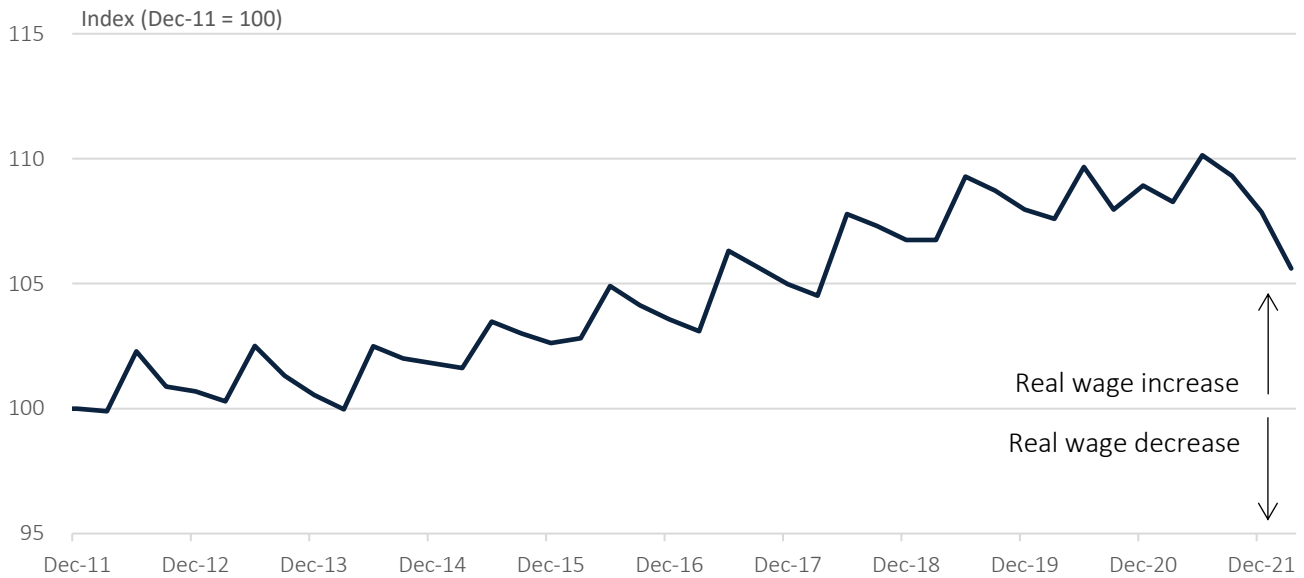
\* Relative standard error of between 25 per cent and 50 per cent and should be used with caution.

Source: *Household, Income and Labour Dynamics in Australia Survey, Wave 20*.



# 9. Real wages and the cost of living

**Chart 9.1: Real value of the NMW, index**



Note: Only percentage increases have been awarded since the Annual Wage Review 2010–11, hence, the real increase across all modern award minimum wage rates has been the same across the period. For the purpose of analysis, only the NMW is presented.

Source: ABS, *Consumer Price Index, Australia*, March 2022; Fair Work Australia/FWC decisions.

**Table 9.1: Real national minimum wage and percentage change, December quarter 2021 dollars**

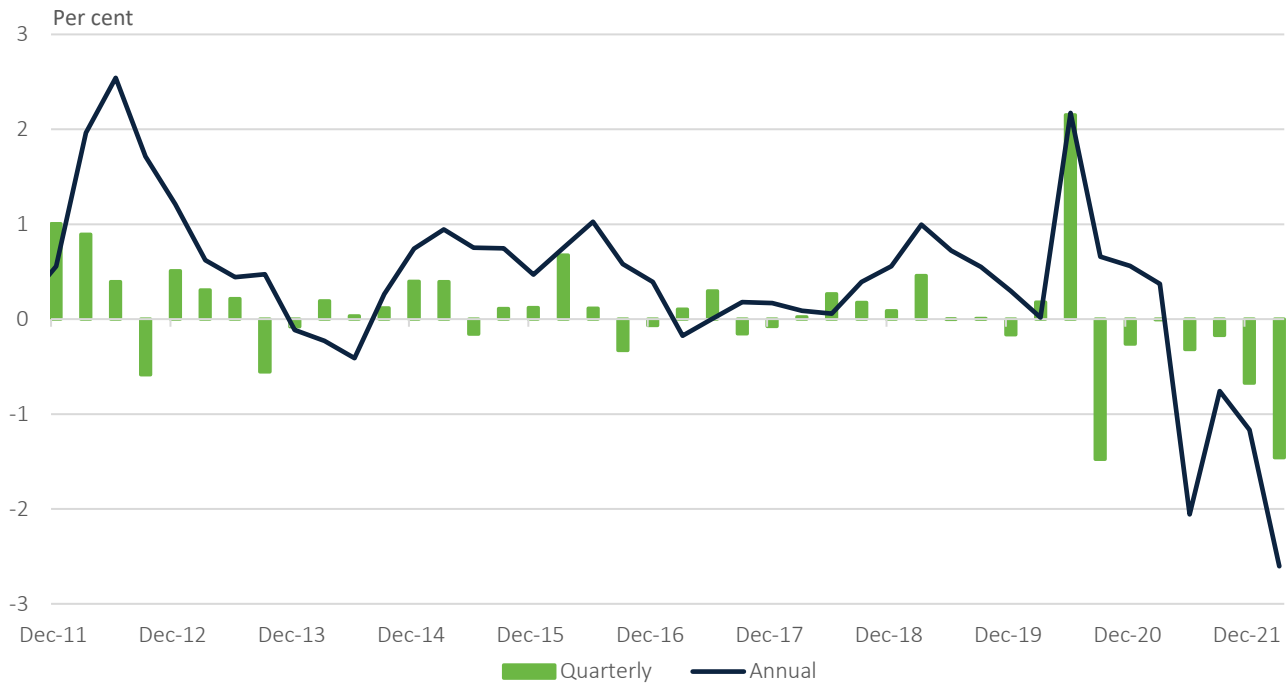
Year	Real national minimum wage (\$)	Change (%)
Dec-11	716.25	0.4
Dec-12	721.14	0.7
Dec-13	720.16	-0.1
Dec-14	729.28	1.3
Dec-15	735.07	0.8
Dec-16	741.80	0.9
Dec-17	751.93	1.4
Dec-18	764.58	1.7
Dec-19	773.31	1.1
Dec-20	780.17	0.9
Dec-21	772.60	-1.0
<b>Change over decade</b>	<b>56.35</b>	<b>7.9</b>

Note: Real minimum wage calculated from NMW and CPI (original data) from the December quarter of each year.

Source: ABS, *Consumer Price Index, Australia*, March 2022; Fair Work Australia/FWC decisions.



**Chart 9.2: Real WPI growth**

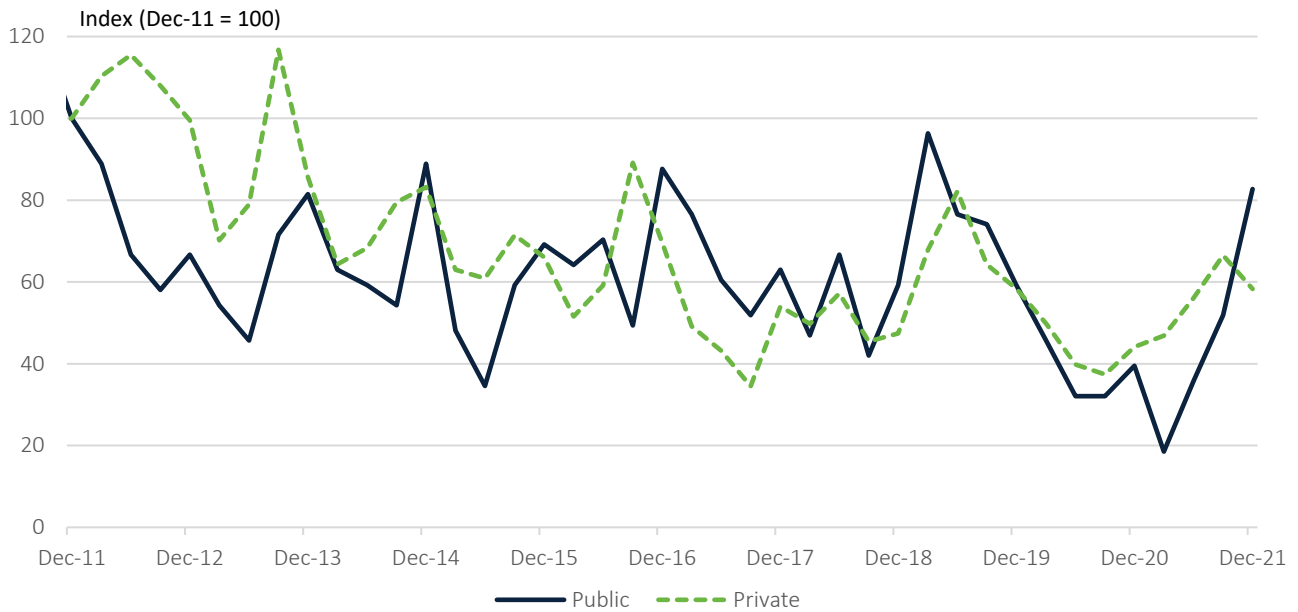


Source: ABS, *Wage Price Index, Australia*, March 2022; ABS, *Consumer Price Index, Australia*, March 2022.



# 10. Enterprise bargaining

Chart 10.1: Number of agreements approved in the quarter by sector, index



Source: Attorney-General's Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021, <<https://www.ag.gov.au/industrial-relations/enterprise-agreements-data/Pages/trends-in-federal-enterprise-bargaining.aspx>>.

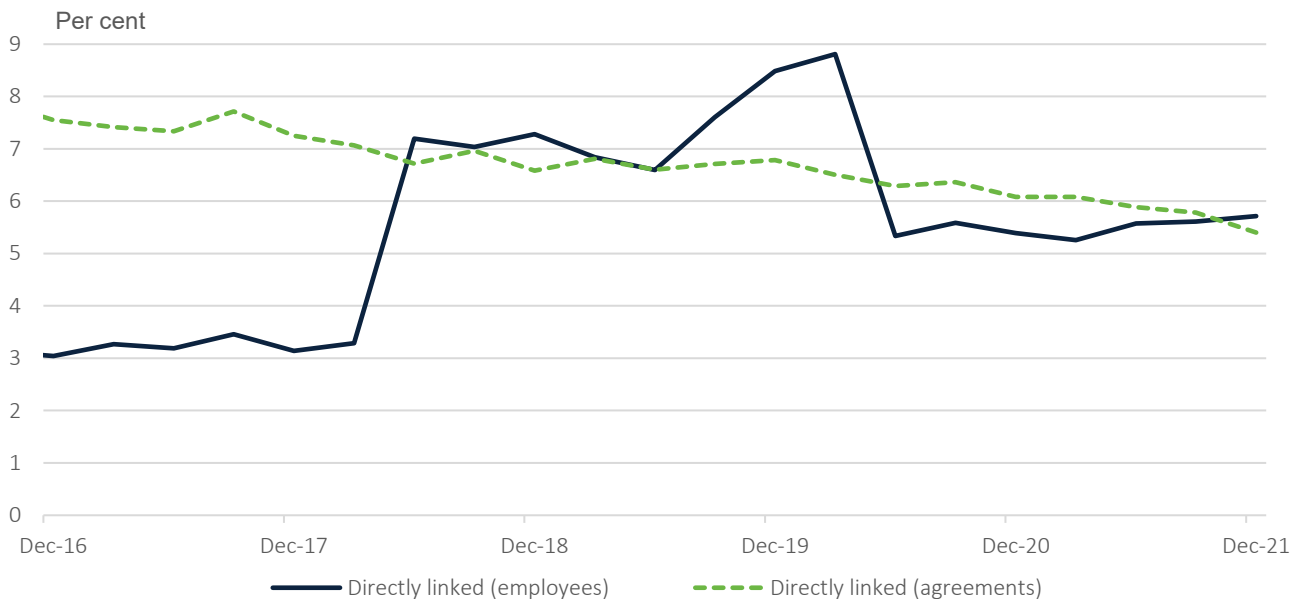


**Chart 10.2: AAWI for agreements approved in the quarter by sector**



Source: Attorney-General's Department, *Trends in Federal Enterprise Bargaining*, December quarter 2021, <<https://www.ag.gov.au/industrial-relations/enterprise-agreements-data/Pages/trends-in-federal-enterprise-bargaining.aspx>>.

**Chart 10.3: Proportion of employees covered by current agreements which are directly linked to the Annual Wage Review decision**



Source: Attorney-General's Department, *Workplace Agreements Database*, December quarter 2021.



# 11. Equal remuneration

**Table 11.1: Estimates of the gender pay gap**

Measure	Male earnings	Female earnings	Gender pay gap
	(\$)	(\$)	(%)
AWOTE ( <i>November 2021</i> )	1846.50	1591.20	13.8
EEH adult hourly ordinary time cash earnings ( <i>May 2018</i> )*	42.07	35.66	15.2
EEH full-time non-managerial adult hourly ordinary time cash earnings ( <i>May 2021</i> )	47.50	43.30	8.8

Note: AWOTE refer to full-time adult employees. The gender pay gap is calculated as the difference between female's and male's earnings, expressed as a percentage of male's earnings.

\* Earnings are deflated by a casual loading of 25 per cent.

Source: ABS, *Average Weekly Earnings, Australia*, November 2021; ABS, *Microdata: Employee Earnings and Hours, Australia*, May 2018; ABS, *Employee Earnings and Hours, Australia*, May 2021.





## 12. Indicators of financial stress

**Table 12.1: Financial stress experienced by all employee households**

	2016	2017	2018	2019	2020
Financial stress indicators	(%)	(%)	(%)	(%)	(%)
Unable to raise \$3000/\$4000* in a week for something important	4.7	4.5	5.0	4.8	4.6
Could not pay electricity, gas or telephone bills on time	7.3	7.3	7.4	7.4	4.9
Could not pay the mortgage or rent on time	3.4	2.9	4.0	4.0	3.2
Pawned or sold something	2.3	2.2	2.5	2.8	1.9
Went without meals	1.5	1.6	2.0	2.3	1.4
Could not afford to heat home	1.2	1.6	1.7	1.8	1.0
Sought assistance from welfare/community organisation	0.9	1.0	1.1	1.1	1.3
Sought financial help from friends or family	6.8	6.1	7.3	7.3	3.9
Any stress	14.5	13.4	14.7	15.2	12.1
Low stress (1–2)	10.9	9.9	10.5	10.7	9.6
Moderate stress (3–4)	2.8	2.6	3.1	3.5	1.8
High stress (5 or more)	0.8	0.9	1.1	1.0	0.7
Observations	4996	5011	4988	5117	4970

Note: Employee households are those households whose main source of income is from wages or salary. Both partners in a couple family household, the lone parent in a lone parent household and the lone person of a lone person household must report financial stress for that particular household to be considered as such. Observations from multi-family households, other related family households and group households are excluded. \*Amount is \$3000 for Waves 16 to 19, and \$4000 for Wave 20.

Source: *Household, Income and Labour Dynamics in Australia Survey, Waves 16–20.*



**Table 12.2: Financial stress experienced by low-paid employee households**

	2016	2017	2018	2019	2020
Financial stress indicators	(%)	(%)	(%)	(%)	(%)
Unable to raise \$3000/\$4000* in a week for something important	10.8	12.9	13.3	12.2	9.6
Could not pay electricity, gas or telephone bills on time	13.2	14.6	15.4	16.4	10.0
Could not pay the mortgage or rent on time	6.8	5.6	7.9	9.6	6.1
Pawned or sold something	4.9	4.5	4.7	6.4	4.8
Went without meals	3.0	2.8	3.8	5.5	3.1
Could not afford to heat home	2.7	3.4	4.1	3.9	2.2
Sought assistance from welfare/community organisation	2.1	2.6	3.9	2.6	3.8
Sought financial help from friends or family	13.6	11.3	13.9	14.2	9.0
Any stress	27.4	28.2	29.0	31.6	24.0
Low stress (1–2)	18.7	20.2	18.1	20.3	18.3
Moderate stress (3–4)	6.7	6.0	7.8	9.1	3.6
High stress (5 or more)	2.0	2.0	3.1	2.2	2.1
Observations	972	1023	981	1022	1011

Note: Employee households are those households whose main source of income is from wages or salary. Both partners in a couple family household, the lone parent in a lone parent household and the lone person of a lone person household must report financial stress for that particular household to be considered as such. Observations from multi-family households, other related family households and group households are excluded. Low-paid employee households are defined as those households in the bottom quintile of equivalised disposable household income for employee households. Disposable household income is equivalised using the 'modified OECD' method where each person in the household is given a score (1 for the first adult, 0.5 for subsequent adults and 0.3 for each child under the age of 15) and the income is divided by the sum of these scores. \*Amount is \$3000 for Waves 16 to 19, and \$4000 for Wave 20.

Source: *Household, Income and Labour Dynamics in Australia Survey, Waves 16–20.*



**Table 12.3: Change in household financial stress, May 2021 to April 2022**

	May 2021	April 2022	May 2021 to April 2022
	(%)	(%)	(ppt change)
<b>Whether household could raise money for something important within a week*</b>			
Household able to raise \$2,000	76.2	86.7	10.5
Household able to raise \$500 but not \$2000	12.1	10.2	-1.9
Household unable to raise \$500	5.4	2.2	-3.2
Don't know	6.1	0.9 <sup>^</sup>	-5.2 <sup>^</sup>
<b>Whether household was unable to pay bills on time in the last three months due to a shortage of money**</b>			
Household unable to pay one or more selected bills on time	8.4	6.0	-2.4
Household able to pay all of the selected bills on time	90.4	93.9 <sup>^</sup>	3.5 <sup>^</sup>
<b>Whether household expects to be able pay bills received in the next three months</b>			
Household expects to be able to pay all selected bills	90.9	96.6	5.7
Household does not expect to be able to pay one or more selected bills	2.2	0.5	-1.7
Don't know	6.9	2.9	-4.0

Note: \* The definition of 'something important' was deliberately left up to the respondent to define. Examples given included paying unexpected bills and covering the cost of emergencies. \*\* Only includes households that received a selected bill in the last three months. Selected bills include electricity, gas or telephone bills, mortgage or rent payments, car registration or insurance, and home and/or contents insurance.

<sup>^</sup> Proportion has a margin of error greater than 10 percentage points or proportion  $\pm$  margin of error is less than 0 per cent or greater than 100 per cent, which should be considered when using this information.

Source: ABS, *Household Impacts of COVID-19 Survey*, May 2021; ABS, *Household Impacts of COVID-19 Survey*, April 2022.



# 13. Budget standards

**Table 13.1: Updated budget standards estimates, low-paid single person (per week)**

Budget category	Budget priced at latter half of 2013		Budget updated using CPI June 2016			Budget updated using CPI March 2022		
	\$	Index <sup>^</sup>	\$	Index <sup>^</sup>	% change from 2013	\$	Index	% change from 2016
Food	60.19	101.1	61.80	103.8	2.7	70.37	118.2	13.9
Clothing and Footwear	11.05	100.2	10.81	98.0	-2.2	10.29	93.4	-4.7
Household goods and services	77.11	101.9	79.23	104.7	2.7	85.89	113.5	8.4
Transport	81.59	103.1	77.71	98.2	-4.8	96.10	121.5	23.7
Health	6.40	109.5	7.33	125.5	14.6	8.74	149.6	19.2
Personal Care	14.99	104.4	15.59	108.6	4.0	17.79	123.9	14.1
Recreation	28.49	101.1	29.04	103.1	2.0	31.35	111.3	8.0
Education	0.00	108.8	0.00	124.6	14.5	0.00	146.0	17.2
<b>Budget standards</b>	<b>279.82</b>	–	<b>281.51</b>	–	<b>0.6</b>	<b>320.54</b>	–	<b>13.9</b>
Weekly rental costs*	nd	–	315.80*	110.2*	–	320.96	112.00	1.6
<b>Grossed-up budget standards</b>	<b>nd</b>	–	<b>597.31</b>	–	–	<b>641.50</b>	–	<b>7.4</b>

Note: Data for the March quarter 2022 are updated based on indexes from June quarter 2016. <sup>^</sup>Based on CPI indexes at Table B.2 in Saunders P & Bedford M (2017). \*March quarter 2016 rent figures used in Saunders & Bedford (2017: 87). The index figure for the March quarter 2022 is inflated from the March quarter 2016. Nd = not derived.

Source: Saunders P & Bedford M (2017), *New Minimum Income for Healthy Living Budget Standards for Low-Paid and Unemployed Australians*, SPRC Report 11/17, Social Policy Research Centre, UNSW Sydney, Table 5.7; ABS, *Consumer Price Index, Australia*, March 2022.



## 14. Forecasts

**Table 14.1: 2022–23 Budget, international GDP growth forecasts**

	2021 (outcomes)	2022 (forecasts)	2023 (forecasts)	2024 (forecasts)
World	6.0	3¼	3¼	3½
Major trading partners	6.1	4¼	4	3¾

Note: World and other East Asia growth rates are calculated using GDP weights based on purchasing power parity (PPP), while growth rates for major trading partners are calculated using goods and services export trade weights.

Source: Australian Government (2022), *Budget 2022–23, Budget Paper No. 1*, March, p. 42.

**Table 14.2: IMF real GDP growth projections**

	2021 (estimates)	2022 (projections)	2023 (projections)
Australia	4.7	4.2	2.5
Advanced economies	5.2	3.3	2.4
World	6.1	3.6	3.6

Note: Year-on-year percentage changes shown. World and domestic economy growth rates are calculated using GDP weights based on PPP.

Source: IMF (2022), *World Economic Outlook*, April, <<https://www.imf.org/en/Publications/WEO/Issues/2022/04/19/world-economic-outlook-april-2022>>.



**Table 14.3: 2022–23 Budget, domestic economy forecasts<sup>(a)</sup>**

	Outcomes		Forecasts	
	2020–21	2021–22	2022–23	2023–24
Real gross domestic product	1.5	4¼	3½	2½
Household consumption	1.0	3½	5¾	3¾
Dwelling investment	3.2	5	3½	–½
Total business investment <sup>(b)</sup>	–1.5	5½	9	1
Mining investment	–1.4	½	9½	1½
Non-mining investment	–1.5	7	9	1
Private final demand <sup>(b)</sup>	1.2	4¼	5¾	2¾
Public final demand <sup>(b)</sup>	5.8	7¼	1¼	1½
Change in inventories <sup>(c)</sup>	0.7	–½	½	¼
Gross national expenditure	3.2	4½	5	2¾
Exports of goods and services	–8.3	2	5	6
Imports of goods and services	–2.8	4½	12½	7
Net exports <sup>(c)</sup>	–1.4	–½	–1½	–¼
Nominal gross domestic product	4.4	10¾	½	3
Prices and wages				
Consumer price index <sup>(d)</sup>	3.8	4¼	3	2¾
Wage price index <sup>(d)</sup>	1.7	2¾	3¼	3¼
GDP deflator	2.9	6½	–3	½
Labour market				
Participation rate <sup>(e)</sup>	66.2	66½	66½	66½
Employment <sup>(d)</sup>	6.5	2¾	1½	1½
Unemployment rate <sup>(e)</sup>	5.1	4	3¾	3¾
Balance of payments				
Terms of trade <sup>(f)</sup>	10.4	11	–21¼	–8¾
Current account balance (per cent of GDP)	3.3	3¾	–3¾	–6
Net overseas migration <sup>(g)</sup>	–89 900	41 000	180 000	213 000

Note: The detailed forecasts for the domestic economy are based on several technical assumptions. The exchange rate is assumed to remain around its recent average level — a trade-weighted index of around 60 and a \$US exchange rate of around 72 US cents. Interest rates are assumed to move broadly in line with market expectations. Population growth is around 0.7 per cent in 2021–22, 1.2 per cent in 2022–23 and 1.3 per cent in 2023–24.

(a) Percentage change on preceding year unless otherwise indicated.

(b) Excluding second-hand asset sales from the public sector to the private sector.

(c) Percentage point contribution to growth in GDP.

(d) Through-the-year growth rate to the June quarter.

(e) Seasonally adjusted rate for the June quarter.

(f) Key commodity prices are assumed to decline from current elevated levels by the end of the September quarter 2022: the iron ore spot price is assumed to decline from US\$134 per tonne to US\$55 per tonne free on board (FOB); the metallurgical coal spot price is assumed to decline from US\$512 per tonne to US\$130 per tonne FOB; the thermal coal spot price is assumed to decline from US\$320 per tonne to US\$60 per tonne FOB; and oil prices (TAPIS) are assumed to decline from US\$114 per barrel to around US\$100 per barrel.

(g) The figure for 2020–21 is a preliminary outcome.

Source: Australian Government (2022), *Budget 2022–23, Budget Paper No. 1*, March, p. 37, based on ABS (published and unpublished) data sources.



**Table 14.4: RBA economy forecasts, growth rates**

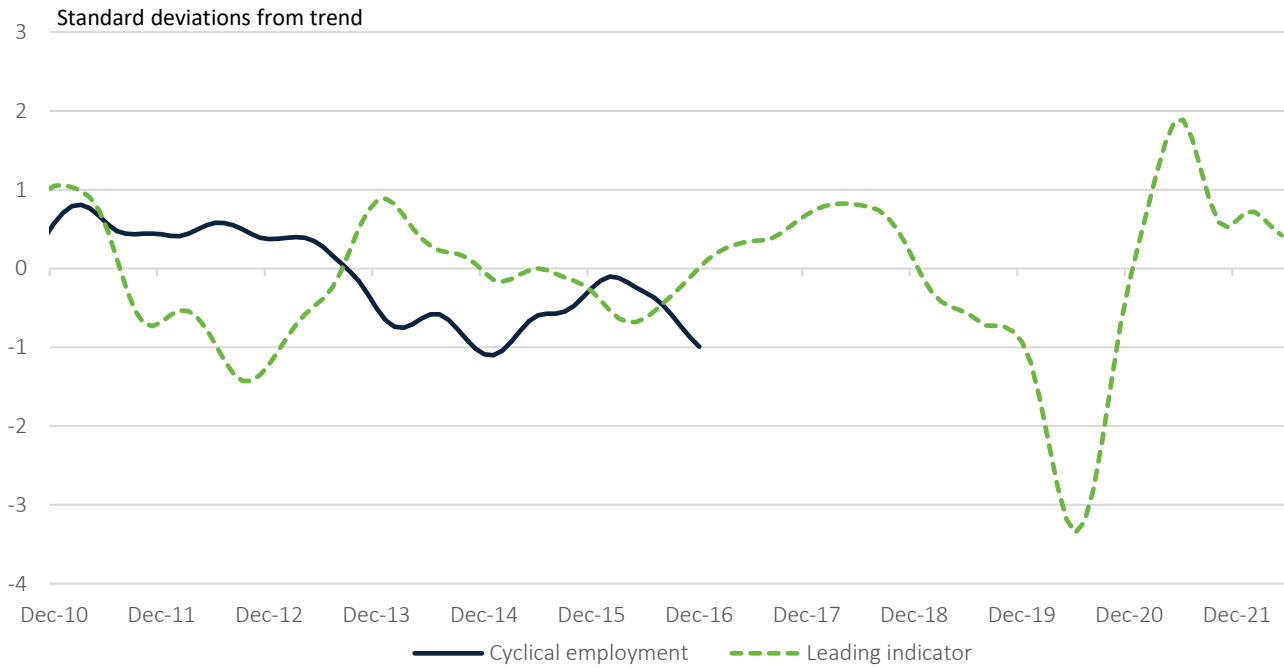
	Dec-21	Jun-22	Dec-22	Jun-23	Dec-23	Jun-24
Gross domestic product	4.2	3.6	4.2	3.1	2.0	2.0
Household consumption	3.5	4.2	5.8	4.4	3.1	2.8
Dwelling investment	5.3	-1.4	4.3	5.7	2.6	1.4
Business investment	5.4	-0.2	5.0	8.3	8.0	5.5
Public demand	5.2	6.3	2.9	-1.1	-0.7	0.9
Gross national expenditure	5.0	3.4	4.2	2.9	2.3	2.3
Imports	1.0	3.6	11.3	6.4	5.2	4.8
Exports	-2.6	4.6	10.2	7.3	3.6	3.1
Real household disposable income	2.6	4.7	0.9	-1.0	0.3	1.1
Terms of trade	10.3	4.0	0.8	-13.2	-9.6	-6.5
Major trading partner (export-weighted) GDP	3.9	4.2	4.0	4.3	3.4	3.5
Unemployment rate*	4.7	3.8	3.7	3.6	3.6	3.6
Employment	2.2	2.7	3.9	2.0	1.5	1.2
Wage price index	2.3	2.7	3.0	3.3	3.5	3.7
Nominal (non-farm) average earnings per hour	3.3	6.0	4.4	4.8	4.9	4.9
Trimmed mean inflation	2.6	4.5	4.6	3.6	3.1	2.9
Consumer price index	3.5	5.5	5.9	4.3	3.1	2.9

Note: Percentage changes are for the year-ended. \*Average rate in the quarter. Forecasts finalised on 4 May. Forecast assumptions—trade-weighted index of 63, Australian dollar at US\$0.71, Brent crude oil price at US\$101 per barrel, population growth broadly in line with the profile set out in the Australian Government's Budget 2022–23; cash rate broadly in line with expectations derived from surveys of professional economists and financial market pricing ; and other elements of the Bank's monetary stimulus are in line with the announcement made following the May 2022 Board meeting. Forecasts are rounded to the first decimal point. Lighter shaded regions are historical data.

Source: RBA (2022), *Statement on Monetary Policy*, May, Appendix: Forecasts.



**Chart 14.1: Department of Education, Skills and Employment’s Leading Indicator of Employment, monthly leading indicator of employment**



Note: The leading indicator has been transformed with revisions to the historical data. In addition, the cyclical employment series (derived from a centred six-year trend rate) has been temporarily suspended until more certainty emerges in the underlying trend in labour market activity.

Source: Department of Education, Skills and Employment, *Monthly Leading Indicator of Employment – May 2022*, <https://www.dese.gov.au/employment-research-and-statistics/leading-indicator-employment-monthly-reports/leading-indicator-employment-latest-release/historical-data-leading-indicator-employment>.





## 15. Costs of child care services

In its statement of 1 November 2013 in relation to the research program for the Annual Wage Review 2013–14, the Expert Panel noted that:

*The Statistical Report will also refer to data on costs of child care services by providing a link to the relevant chapter in the ‘Report on Government Services’ produced by the Productivity Commission. [2013 FWCFB 8514, Attachment A, p. 3]*

A link to Part B, *Child care, education and training*, from the latest Report on Government Services 2022 is provided here: <https://www.pc.gov.au/research/ongoing/report-on-government-services/2022/child-care-education-and-training>



# 16. Minutes of the Monetary Policy Meetings of the Reserve Bank Board and Statements on Monetary Policy

Minutes of 6 July 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-07-06.html>

Minutes of 3 August 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-08-03.html>

Minutes of 7 September 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-09-07.html>

Minutes of 5 October 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-10-05.html>

Minutes of 2 November 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-11-02.html>

Minutes of 7 December 2021 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2021/2021-12-07.html>

Minutes of 1 February 2022 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2022/2022-02-01.html>

Minutes of 1 March 2022 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2022/2022-03-01.html>

Minutes of 5 April 2022 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2022/2022-04-05.html>

Minutes of 3 May 2022 Monetary Policy Meeting

<https://www.rba.gov.au/monetary-policy/rba-board-minutes/2022/2022-05-03.html>



Statement on Monetary Policy—August 2021

<https://www.rba.gov.au/publications/smp/2021/aug/>

Statement on Monetary Policy—November 2021

<https://www.rba.gov.au/publications/smp/2021/nov/>

Statement on Monetary Policy—February 2022

<https://www.rba.gov.au/publications/smp/2022/feb/>

Statement on Monetary Policy—May 2022

<https://www.rba.gov.au/publications/smp/2022/may/>



## 17. Business surveys

In the Annual Wage Review 2015–16 Decision, the Expert Panel noted that:

*Official statistics on the situation of small business come with a substantial time lag. We accept that in these circumstances, the information provided by business surveys is useful. In particular, we note the assessment by the Australian Government and the RBA that information from the main business surveys (by ACCI, NAB and Sensis) have proved to be quite reliable predictors of output and employment growth. [2016 FWCFB 3500 at para. 298]*

A link to each business survey referenced above is provided below:

### **NAB Quarterly Business Survey—March 2022**

<https://business.nab.com.au/wp-content/uploads/2022/03/NAB-Quarterly-Business-Survey-March-2022.pdf>

### **NAB Quarterly Business Survey—December 2021**

<https://business.nab.com.au/wp-content/uploads/2022/02/NAB-Quarterly-Business-Survey-December-2021.pdf>

### **NAB Quarterly Business Survey—September 2021**

<https://business.nab.com.au/wp-content/uploads/2021/10/NAB-Quarterly-Business-Survey-September-2021-1.pdf>

### **Australian Chamber-Westpac Survey of Industrial Trends—March 2022**

<https://www.australianchamber.com.au/wp-content/uploads/2022/03/AusChamberWestpacSurvey2022Q1.pdf>

### **Australian Chamber-Westpac Survey of Industrial Trends—December 2021**

<https://www.australianchamber.com.au/wp-content/uploads/2021/12/ACCIWestpac2021Q4.pdf>

### **Australian Chamber-Westpac Survey of Industrial Trends—September 2021**

[https://www.australianchamber.com.au/wp-content/uploads/2021/09/AusChamberWestpac2021Q3\\_Report.pdf](https://www.australianchamber.com.au/wp-content/uploads/2021/09/AusChamberWestpac2021Q3_Report.pdf)



# 18. Bibliography

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ABS, *Business Conditions and Sentiments*, January 2022.

ABS, *Business Conditions and Sentiments*, February 2022.

ABS, *Business Conditions and Sentiments*, March 2022.

ABS, *Business Conditions and Sentiments*, April 2022.

ABS, *Business Conditions and Sentiments*, May 2022.

ABS, *Characteristics of Employment, Australia*, various.

ABS, *Consumer Price Index, Australia*, March 2022.

ABS, *Counts of Australian Businesses, Including Entries and Exits*, various.

ABS, *Employee Earnings and Hours, Australia*, various.

ABS, *Employee Earnings, Benefits and Trade Union Membership, Australia*, various.

ABS, *Estimates of Industry Multifactor Productivity*, 2020-21 financial year.

ABS, *Household Impacts of COVID-19 Survey*, May 2021.



ABS, *Household Impacts of COVID-19 Survey*, February 2022.

ABS, *Household Impacts of COVID-19 Survey*, March 2022.

ABS, *Household Impacts of COVID-19 Survey*, April 2022.

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ABS, *Job Vacancies, Australia*, February 2022.

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