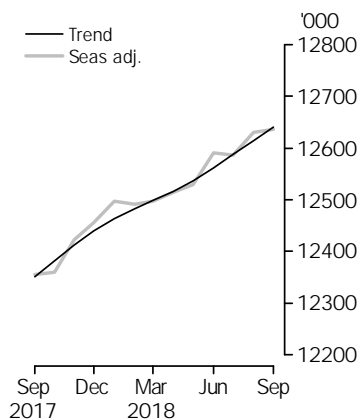


# LABOUR FORCE

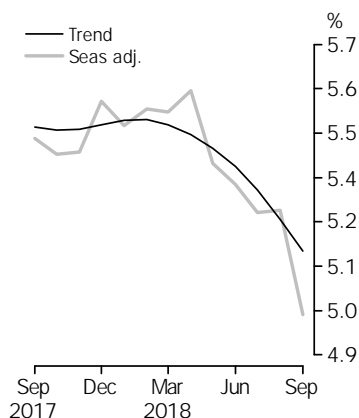
AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) THURS 18 OCT 2018

Employed Persons



Unemployment Rate



## INQUIRIES

For further information about these and related statistics, email [client.services@abs.gov.au](mailto:client.services@abs.gov.au) or contact the National Information and Referral Service on 1300 135 070.

## KEY FIGURES

	Aug 2018	Sep 2018	Aug 18 to Sep 18	Sep 17 to Sep 18
<b>Trend</b>				
Employed persons ('000)	12 614.4	12 640.8	26.4	2.4 %
Unemployed persons ('000)	699.0	688.5	-10.5	-4.1 %
Unemployment rate (%)	5.2	5.2	-0.1 pts	-0.3 pts
Participation rate (%)	65.6	65.6	0.0 pts	0.3 pts
<b>Seasonally Adjusted</b>				
Employed persons ('000)	12 630.7	12 636.3	5.6	2.3 %
Unemployed persons ('000)	702.9	665.8	-37.2	-6.6 %
Unemployment rate (%)	5.3	5.0	-0.3 pts	-0.5 pts
Participation rate (%)	65.7	65.4	-0.2 pts	0.1 pts

## KEY POINTS

### TREND ESTIMATES (MONTHLY CHANGE)

- Employment increased 26,400 to 12,640,800.
- Unemployment decreased 10,500 to 688,500.
- Unemployment rate remained steady at 5.2%.
- Participation rate remained steady at 65.6%.
- Monthly hours worked in all jobs increased 2.8 million hours (0.2%) to 1,755.7 million hours.

### SEASONALLY ADJUSTED ESTIMATES (MONTHLY CHANGE)

- Employment increased 5,600 to 12,636,300. Full-time employment increased 20,300 to 8,654,400 and part-time employment decreased 14,700 to 3,981,900.
- Unemployment decreased 37,200 to 665,800. The number of unemployed persons looking for full-time work decreased 38,000 to 449,700 and the number of unemployed persons only looking for part-time work increased 900 to 216,100.
- Unemployment rate decreased by 0.3 pts to 5.0%.
- Participation rate decreased by 0.2 pts to 65.4%.
- Monthly hours worked in all jobs increased 6.2 million hours (0.4%) to 1,757.5 million hours.

### LABOUR UNDERUTILISATION (MONTHLY CHANGE)

- The monthly trend underemployment rate decreased to 8.3 per cent. The monthly underutilisation rate decreased by 0.1 percentage points to 13.5 per cent.
- The monthly seasonally adjusted underemployment rate remained steady at 8.3 per cent. The monthly underutilisation rate decreased 0.2 percentage points to 13.3 per cent.

## NOTES

### FORTHCOMING ISSUES

ISSUE	RELEASE DATE
October 2018	15 November 2018
November 2018	20 December 2018
December 2018	24 January 2019
January 2019	21 February 2019
February 2019	21 March 2019
March 2019	18 April 2019

.....

### GM1 DATA CUBE

As advised in *Labour Force, Australia, September 2017* (cat no 6202.0), the GM1 data cube in Summary Record Database (SRD) format is being phased out this month. The ABS continues to release the GM1 data cube in pivot table format.

This pivot table will increase the accessibility of Labour Force data and provide a long term replacement for the unsupported SRD format. The pivot table reflects the design and utility of the SRD format as closely as possible. In addition, the inclusion of a Comma Separated Values (CSV) source worksheet in the pivot table should facilitate the data's use in a wide range of software.

The phasing out of the GM1 SRD represents the final stage of the Labour Force statistics transition from the SRD format, which has already been completed for all other products.

### CESSATION OF A PDF PRODUCT

The ABS intends to cease publishing a PDF as part of the release of *Labour Force, Australia* (cat. no. 6202.0). The October 2018 issue, released in November 2018, is expected to be the final release with a PDF.

The ABS has been considering the future of this PDF for a number of years, which is now used by less than 1% of Labour Force data users. The move away from bulletin-style products is a trend that has been consistently observed internationally, with many national statistical organisations moving to more dynamic products for their labour market statistics. It is for this reason that most other labour statistics releases have already moved away from producing PDF as part of their release.

All of the information that is contained in the PDF will continue to be available elsewhere in this release. Should you have any concerns regarding this transition, please contact us at [labourforce@abs.gov.au](mailto:labourforce@abs.gov.au).

### NEW LABOUR FORCE SURVEY SAMPLE

As previously highlighted, the ABS is currently phasing in a new sample design. This began with the incoming rotation group in July 2018 and will continue through to February 2019. An information paper titled *Information Paper: Labour Force Survey Sample Design, Jul 2018* (cat. no. 6269.0) was released on 30 July 2018 with detailed information on the new sample. As with each regular sample design, the impacts on the data are expected to be minimal and the ABS will monitor the quality of the estimates over the period the sample is phased in.

### ROUNDING

Estimates of changes shown on the front cover and used in the commentary have been calculated using unrounded estimates, and may be different from, but are more accurate

than, movement obtained from the rounded estimates. The graphs on the front cover also depict unrounded estimates.

#### SAMPLING ERROR

The estimates in this publication are based on a sample survey. Published estimates and movements are subject to sampling variability. Standard errors give a measure of sampling variability. The interval bounded by two standard errors is the 95% confidence interval, which provides a way of looking at the variability inherent in estimates. There is a 95% chance that the true value of the estimate lies within that interval.

#### MOVEMENTS IN SEASONALLY ADJUSTED SERIES BETWEEN AUGUST 2018 AND SEPTEMBER 2018

	<i>Monthly change</i>	<i>95% Confidence interval</i>		
Total Employment	5 600	-54 800	to	66 000
Total Unemployment	-37 200	-73 800	to	-600
Unemployment rate	-0.3 pts	-0.5 pts	to	-0.1 pts
Participation rate	-0.2 pts	-0.6 pts	to	0.2 pts

David W. Kalisch  
Australian Statistician

## NATIONAL ESTIMATES

### TREND ESTIMATES

Australia's trend estimate of employment increased by 26,400 persons in September 2018, with:

- the number of unemployed persons decreasing by 10,500 persons;
- the unemployment rate remaining steady at 5.2 per cent;
- the participation rate remaining steady at 65.6 per cent; and
- the employment to population ratio increasing by 0.1 per cent to 62.2 per cent.

Over the past year, trend employment increased by 290,600 persons (or 2.4 per cent), which was above the average annual growth rate over the past 20 years of 2.0 per cent. Over the same 12 month period the trend employment to population ratio, which is a measure of how employed the population (aged 15 years and over) is, increased by 0.4 percentage points to 62.2 per cent.

In monthly terms, trend employment increased by 26,400 persons between August and September 2018. This represents an increase of 0.21 per cent, which was above the monthly average growth rate over the past 20 years of 0.16 per cent.

Underpinning these net changes in employment is extensive dynamic change, which occurs each month in the labour market. In recent months there has generally been considerably more than 300,000 people entering employment, and more than 300,000 leaving employment. There is also further dynamic change in the hours that people work, which results in changes in the full-time and part-time composition of employment.

In net terms, trend full-time employment increased by 21,500 persons between August and September 2018, and part-time employment increased by 4,900 persons. Compared to a year ago, there are 186,100 more persons employed full-time and 104,500 more persons employed part-time.

The trend estimate of monthly hours worked in all jobs increased 2.8 million hours (or 0.2 per cent) in September 2018, to 1,756 million hours. Monthly hours worked increased by 1.8 per cent over the past year. The average hours worked per employed person was 138.9 hours per month, or around 32 hours per week.

The trend unemployment rate remained steady at 5.2 per cent in September 2018. The number of unemployed persons decreased by 10,500 to 688,500 persons. Over the past year, the trend unemployment rate decreased by 0.3 percentage points, with the number of unemployed decreasing by 29,100 persons.

The monthly trend underemployment rate decreased to 8.3 per cent in September 2018. Over the past year this rate decreased by 0.2 percentage points, from 8.5 per cent in September 2017. The monthly underutilisation rate, which is a combined measure of unemployment and underemployment in the labour force, was 13.5 per cent in September 2018, down 0.5 percentage points from 14.0 per cent in August 2017.

The trend participation rate remained steady at 65.6 per cent in September 2018, and was 0.3 percentage points higher than in September 2017. The female participation rate remained steady at 60.4 per cent and the male participation rate remained steady at 71.0 per cent.

## TREND ESTIMATES

*continued*

The labour force includes the total number of employed and unemployed persons. Over the past year, the labour force increased by 261,500 persons (or 2.0 per cent). This rate of increase was above the rate of increase for the total Civilian Population aged 15 years and over (319,400 persons, or 1.6 per cent).

The trend participation rate for 15-64 year olds, which controls (in part) for the effects of an ageing population remained steady at 78.0 per cent. The gap between male and female participation rates in this age range is less than 10 percentage points, at 82.9 and 73.2 per cent respectively, continuing the long term convergence of male and female participation.

The trend participation rate for 15-24 year olds (who are often referred to as the "youth" group in the labour market) remained steady at 67.9 per cent. The unemployment rate for this group remained steady at 11.2 per cent in September 2018 and decreased by 1.3 percentage points over the year.

The trend series smooths the more volatile seasonally adjusted estimates and provide the best measure of the underlying behaviour of the labour market.

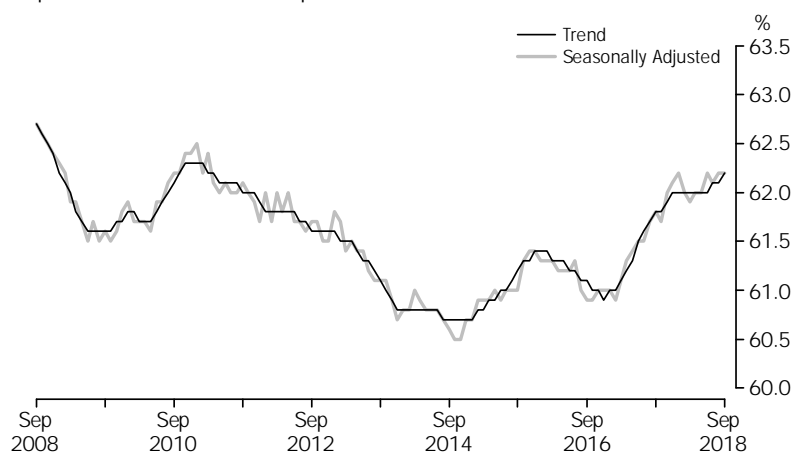
## SEASONALLY ADJUSTED ESTIMATES

Seasonally adjusted employment increased by 5,600 persons from August to September 2018. The underlying composition of the net change was an increase of 20,300 persons in full-time employment and a decrease of 14,700 persons in part-time employment. Since September 2017, full-time employment increased by 217,500 persons, while part-time employment increased by 63,400 persons.

Seasonally adjusted monthly hours worked in all jobs increased by 6.2 million hours (or 0.4 per cent) in September to 1,757.5 million hours.

The seasonally adjusted employment to population ratio remained steady at 62.2 per cent in September, and increased by 0.4 percentage points from the same time last year.

GRAPH 1, EMPLOYMENT TO POPULATION RATIO, PERSONS, September 2008 to September 2018



The seasonally adjusted unemployment rate decreased by 0.3 percentage point to 5.0 per cent in September 2018. The participation rate decreased by 0.2 percentage points to 65.4 per cent.

## SEASONALLY ADJUSTED

### ESTIMATES *continued*

The monthly seasonally adjusted underemployment rate remained steady at 8.3 per cent.

The monthly underutilisation rate decreased 0.2 percentage points to 13.3 per cent.

## STATE AND TERRITORY

### ESTIMATES

#### TREND ESTIMATES

In September 2018, the largest increases in trend employment were in New South Wales (up 8,600 persons), followed by Victoria (up 7,900 persons) and Queensland and Western Australia (both up 1,900 persons). Employment decreased by 1,000 persons in South Australia.

Over the past year, increases in employment were observed in all states and territories. The largest increases were in New South Wales (up 134,700 persons), Victoria (up 85,200 persons), Queensland (up 39,100 persons), and Western Australia (up 13,400 persons). The highest annual employment growth rates were in New South Wales at 3.4 per cent and Victoria at 2.6 per cent and were the only states or territories to record year on year growth above their 20 year averages.

The monthly trend unemployment rate was highest in Queensland and Western Australia (both 6.1 per cent), followed by Tasmania (5.9 per cent). The unemployment rate was lowest in the Australian Capital Territory (3.6 per cent) and Northern Territory (4.1 per cent).

The monthly trend participation rate remained unchanged in New South Wales (65.1 per cent), Victoria (65.6 per cent), Queensland (65.8 per cent) and Australian Capital Territory (70.6 per cent). The monthly trend participation rate decreased in the Northern Territory (down 0.4 percentage points to 75.3 per cent), Western Australia (down 0.1 percentage points to 68.6 per cent), South Australia (down 0.1 percentage points to 62.3 per cent) and Tasmania (down 0.1 percentage points to 60.9 per cent).

## SEASONALLY ADJUSTED

### ESTIMATES

In seasonally adjusted terms, the largest increase in employment was in Victoria (up 20,000 persons), followed by Western Australia (up 3,100 persons) and New South Wales (up 2,800 persons). The largest decrease was in Queensland (down 11,600 persons).

There were decreases in the seasonally adjusted unemployment rate in September 2018 in Western Australia (down 0.4 percentage points to 6.0 per cent), followed by New South Wales (down 0.3 percentage points to 4.4 per cent), Queensland (down 0.3 percentage points to 6.0 per cent), Victoria (down 0.2 percentage points to 4.5 per cent), South Australia (down 0.2 percentage points to 5.5 per cent). The Tasmanian unemployment rate remained steady at 5.8 per cent.

Seasonally adjusted participation rate in September 2018 decreased in all states except Victoria. The largest decrease was in Queensland (down 0.6 percentage points to 65.5 per cent), followed by Tasmania (down 0.4 percentage points to 60.6 per cent), New South Wales (down 0.2 percentage points to 65.0 per cent), South Australia (down 0.2 percentage points to 62.0 per cent), Western Australia (down 0.2 percentage points to 68.6 per cent).

Seasonally adjusted estimates are not published for the two territories.

SEASONALLY ADJUSTED  
ESTIMATES *continued*

TABLE 1, UNEMPLOYMENT RATE, STATES AND TERRITORIES

	TREND		SEASONALLY ADJUSTED	
	<i>August</i>	<i>September</i>	<i>August</i>	<i>September</i>
	%	%	%	%
New South Wales	4.6	4.5	4.6	4.4
Victoria	4.8	4.7	4.7	4.5
Queensland	6.1	6.1	6.3	6.0
South Australia	5.6	5.6	5.7	5.5
Western Australia	6.1	6.1	6.4	6.0
Tasmania	5.9	5.9	5.8	5.8
Northern Territory	4.0	4.1	np	np
Australian Capital Territory	3.7	3.6	np	np
Australia	5.2	5.2	5.3	5.0

np not available for publication but included in totals where applicable, unless  
otherwise indicated

## INSIGHTS FROM THE ORIGINAL DATA

### SAMPLE COMPOSITION

The Labour Force Survey sample can be thought of as comprising eight sub-samples (or rotation groups), with each sub-sample remaining in the survey for eight months, and one rotation group "rotating out" each month and being replaced by a new group "rotating in". This sample rotation is important in ensuring that seven-eighths of the sample are common from one month to the next, to ensure that changes in the estimates reflect real changes in the labour market, rather than the sample. In addition, the replacement sample is generally selected from the same geographic areas as the outgoing one, as part of a representative sampling approach.

When considering movements in the original estimates, it is possible to decompose the sample into three components:

- the matched common sample (survey respondents who responded in both August and September);
- the unmatched common sample (survey respondents who responded in September but who did not respond in August, or vice versa); and
- the incoming rotation group (survey respondents who replaced respondents who rotated out in August).

The detailed decomposition of each of these movements is included in the data cube 'Insights From the Original Data'.

In considering the three components of the sample, it is important to remember that the matched common sample describes the change observed for the same respondents in August and September, while the other two components reflect differences between the aggregate labour force status of different groups of people.

While the rotation groups are designed to be representative of the population, the outgoing and incoming rotation groups will almost always have somewhat different characteristics, as a result of the groups representing a sample of different households and people. The design of the survey, including the weighting and estimation processes, ensures that these differences are generally relatively minor and seeks to ensure that differences in characteristics of rotation groups do not affect the representativeness of the survey and its estimates. Monthly estimates are always designed to be representative of their respective months, regardless of the relative contribution of the three components of the sample.

### INCOMING ROTATION GROUP

In original terms, the incoming rotation group in September 2018 had a higher employment to population ratio (59.7 per cent in August, up to 61.9 per cent in September 2018) than the group it replaced, and was lower than the ratio for the entire sample (62.1 per cent).

The full-time employment to population ratio of the incoming rotation group was higher than the group it replaced (40.3 per cent in August, up to 42.3 per cent in September 2018), and was lower than the ratio for the entire sample (42.4 per cent).

The unemployment rate of the incoming rotation group was 0.5 percentage points lower than the whole sample (4.4 per cent, compared to 4.9 per cent), and it replaced a group with a higher rate (5.6 per cent). Its participation rate was below that of the sample as a whole (64.8 per cent, compared to 65.3 per cent), and above the group it replaced (63.2 per cent in August 2018).



### OUTGOING ROTATION GROUP

In looking ahead to the October 2018 estimates, the outgoing rotation group in September 2018, which will be replaced by a new incoming rotation group in October 2018, has a lower employment to population ratio (61.9 per cent in September 2018) than the sample as a whole (62.1 per cent) in original terms. The full-time employment to population ratio (42.3 per cent) is lower than the ratio for the entire sample (42.4 per cent).

The unemployment rate for the outgoing rotation group in September 2018 is higher than the sample (5.6 percent, compared to 4.9 per cent). The participation rate for the outgoing rotation group in September 2018 is lower than the sample (64.8 per cent, compared to 65.3 per cent).

### UNEMPLOYMENT RATE CHANGE

The decrease in the seasonally adjusted unemployment rate from 5.3 percent in August to 5.0 percent in September occurred in all states and territories and for both males and females. The original data showed that the unemployment rate decreased across each of the rotation groups. The original data also showed that the unemployment rate decreased for each five year age interval, apart from 15-19 year olds, 55-59 year olds and those aged over 70 years. The decrease in the original unemployment rate for 20-24 year olds was the largest of all age intervals.

### THE IMPORTANCE OF TREND DATA

As the gross flows and rotation group data are presented in original terms they are not directly comparable to the seasonally adjusted and trend data discussed elsewhere in the commentary, and are included to provide additional information for the original data. Since the original data are unadjusted, they have a considerable level of inherent sampling variability, which is specifically adjusted for in the trend series. The trend data provide the best measure of the underlying behaviour of the labour market and are the focus of the commentary in this publication.

## WHAT'S NEW IN THE LABOUR FORCE

### UNDEREMPLOYMENT IN AUSTRALIA

As previously advised, there are new monthly trend and seasonally adjusted underemployment and underutilisation series commencing with this issue of Labour Force, Australia (cat. no. 6202.0). The new series are located in Time Series Spreadsheets 22 and 23 and PDF tables 20 and 21. Time Series Spreadsheets 24 and 25 contain new expanded analytical series of underutilisation.

On page 11 of this publication is an article titled "Underemployment in Australia" to assist with the interpretation of the new underemployment series.

For further details information on underemployment and underutilisation measures, please refer to the Chapter "Underutilised Labour" of Labour Statistics: Concepts, Sources and Methods (cat. no. 6102.0.55.001).

## UNDEREMPLOYMENT IN AUSTRALIA

### UNDEREMPLOYMENT IN AUSTRALIA

One of the findings from the Information paper: *Outcomes of the Labour Household Surveys Content Review, 2012* (cat. no. 6107.0) was to increase the availability of key data, including publishing underemployment and underutilisation rates derived from the Monthly Population Survey. Commencing with this publication of *Labour Force, Australia* (cat. no. 6202.0), underemployment and underutilisation data will be released monthly rather than quarterly, allowing for greater comparability with unemployment data.

This paper provides a brief history and definition of underemployment, as well as the expanded analytical series also included in *Labour Force, Australia* (cat. no. 6202.0). The paper then examines key trends in underemployment over time, by full-time and part-time employment, sex, age groups, state, industry and occupation. All data refers to trended data, unless otherwise noted.

### AN INTRODUCTION TO UNDEREMPLOYMENT

The underemployment rate is an important associated measure with the unemployment rate in measuring excess capacity in the Labour Market. The underemployment data released in *Labour Force, Australia* (cat. no. 6202.0) is time-related underemployment. Time-related underemployment reflects an employee who desires, and is available for, additional working hours. Inadequate employment situations, which is not captured by the ABS in *Labour Force, Australia* (cat. no. 6202.0), includes additional aspects of underemployment such as a mismatch of skills and experience. Employed persons may be simultaneously in time-related underemployment and inadequate employment situations. Further information can be found in *Labour Statistics: Concepts, Sources and Methods, Feb 2018* (cat. no. 6102.0.55.001). The measure of underemployment includes employed persons aged 15 years and over who want, and are available for, more hours of work than they currently have. They comprise:

- persons employed part time who want to work more hours and are available to start work with more hours, either in the reference week or in the four weeks subsequent to the survey; or
- persons employed full time who worked part time hours in the reference week for economic reasons (such as being stood down or insufficient work being available). It is assumed that these people wanted to work full time in the reference week and would have been available to do so.

From 1978, the ABS has published monthly seasonally adjusted and trend measures of unemployment and a quarterly measure of underemployment over the same period. Commencing with this publication, the ABS is publishing seasonally adjusted and trend underemployment series monthly with data from 1978, assisting comparability with the unemployment rate. Also published for the first time is an expanded analytical series, making available data on all employed persons that have a preference for more hours.

### MONTHLY UNDEREMPLOYMENT COLLECTION

Prior to March 2001, underemployment was collected monthly, and published on a quarterly basis. Between April 2001 and June 2014, one component of underemployment (the reason a person worked less than 35 hours) continued to be collected monthly, whereas the other component (would prefer and are available for more hours) was collected quarterly. The collection of monthly underemployment recommenced in July 2014 and was published in original terms within Table 24. Underutilised persons by Age

## MONTHLY UNDEREMPLOYMENT COLLECTION *continued*

and Sex, Monthly and Table 25. Underutilised persons by State, Territory and Sex, Monthly in Labour Force, Australia (cat. no. 6202.0).

An adequate time series of data since July 2014 has now been collected to allow the identification of seasonal patterns. Additionally, the identified seasonal patterns allowed the development of a synthetic monthly series between April 2001 and June 2014 using interpolated monthly 'Prefer more hours' data between the quarterly measurements. An overlay of observed unemployed seasonal patterns has been applied to maintain coherence with the data on either side of the series break. These two components were required to publish monthly trend and seasonally adjusted estimates.

Monthly data has replaced the quarterly data in Table 22. Underutilised persons by Age and Sex - Trend, Seasonally adjusted and Original and Table 23. Underutilised persons by State and Territory and Sex - Trend, Seasonally adjusted, Original.

## EXPANDED ANALYTICAL SERIES

Commencing with this publication of Labour Force, Australia (cat. no. 6202.0), are two tables of underutilisation with an increased scope. With this expanded scope, there may be an overlap in survey responses between inadequate employment situations and time-related underemployment. Hence, the series are additional to the headline monthly underemployment series to provide a richer array of data for expanded analysis.

In addition to the groups included in the underemployment estimates outlined above, the following additional groups are included in the Expanded Analytical Series:

- full-time workers who would prefer to work more hours and were available to start work with more hours, either in the reference week or in the four weeks following the survey;
- full-time workers who still worked full-time hours in the reference week, but worked less than their usual full-time hours for economic reasons (such as being stood down or insufficient work being available); and
- part-time workers who worked less than their usual part-time hours during the reference week for economic reasons and did not prefer or were unavailable for more hours.

Expanded Analytical Series data will replace the monthly original data in Table 24. Underutilised persons by Age and Sex (expanded analytical series) and Table 25. Underutilised persons by State, Territory and Sex (expanded analytical series).

## AUSTRALIA'S UNDEREMPLOYMENT OVER TIME

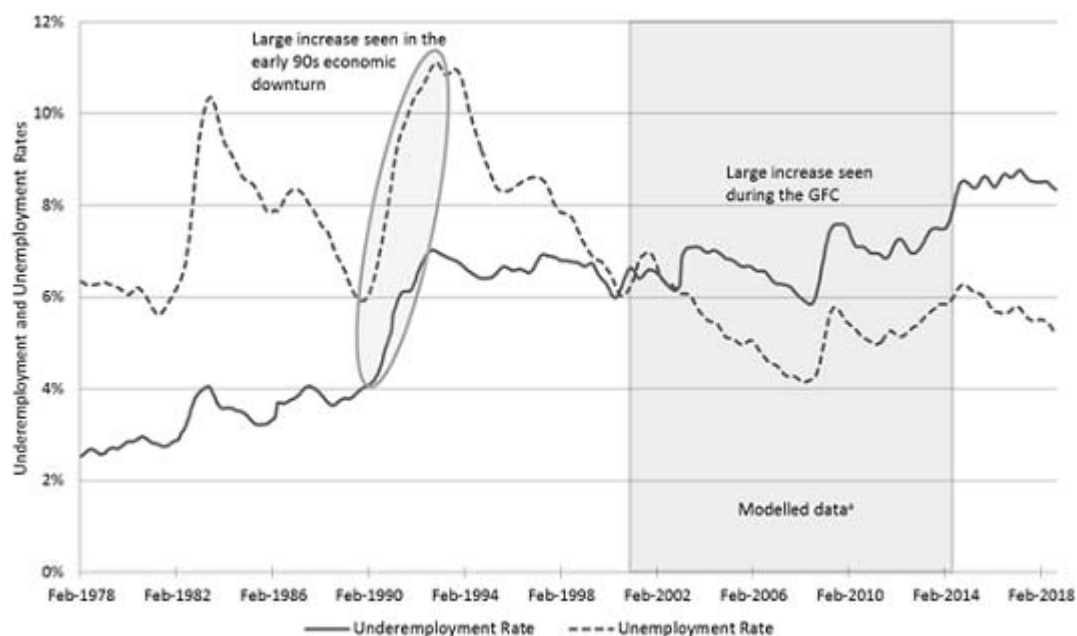
As of September 2018, Australia's trended underemployment rate (the proportion of underemployed to the total labour force) remained high in historical terms at 8.3%, but below the peak of 8.8% recorded in March 2017.

The underemployment rate has been increasing since it was first recorded in the February 1978 reference period. Over the last four years, the rate has seen minimal fluctuation, remaining between 8.3% and 8.8% in trend terms. The underemployment rate showed large increases over economic downturns - most notably during the early 1990s and the Global Financial Crisis (GFC) (refer to Graph 1).

## UNDEREMPLOYMENT IN AUSTRALIA *continued*

AUSTRALIA'S  
UNDEREMPLOYMENT  
OVER TIME *continued*

GRAPH 1, Underemployment and unemployment rates trended, February 1978 to September 2018



a. The monthly data for part-time workers who want to work more hours, between April 2001 and June 2014, is modelled as data during this period was collected quarterly.

UNDEREMPLOYMENT BY  
FULL-TIME AND  
PART-TIME EMPLOYMENT

As of September 2018, part-time employees represented just under 93% of all underemployed. Findings from the Melbourne Institute: Applied Economic & Social Research looking at the Household, Income and Labour Dynamics in Australia Survey point towards high concentrations of underemployment where proportions of part-time employment are highest<sup>1</sup>. The share of part-time employment over total employment and the underemployment ratio have both seen similar patterns of growth over time (see Table 1).

## UNDEREMPLOYMENT IN AUSTRALIA *continued*

UNDEREMPLOYMENT BY  
FULL-TIME AND  
PART-TIME EMPLOYMENT  
*continued*

TABLE 1, Part-time employment over total employment and the underemployment ratio over time,

Date	Part-time employment/ total employment	Underemployment ratio
Sep-2018	31.6%	8.8%
Sep-2008	28.3%	6.3%
Sep-1998	25.9%	7.3%
Sep-1988	19.9%	3.9%
Sep-1978	15.4%	2.8%

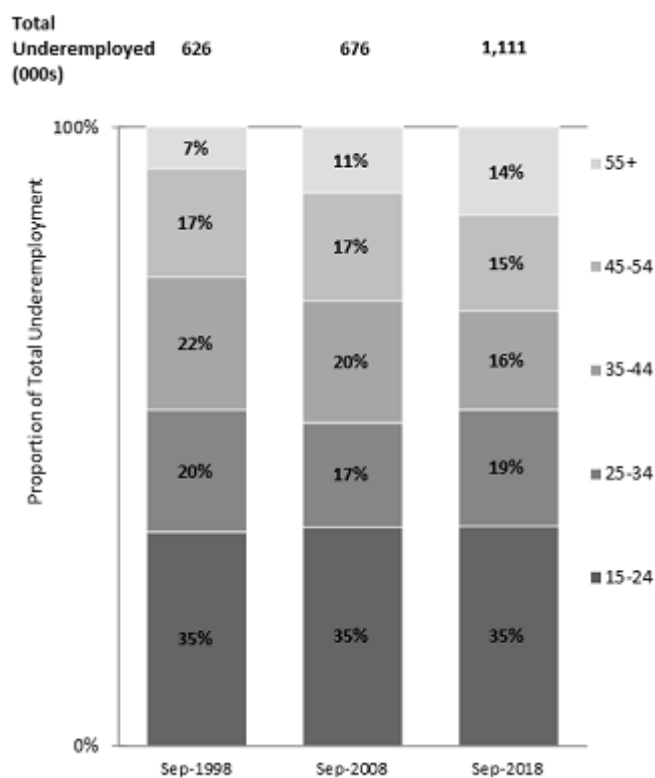
### UNDEREMPLOYMENT BY AGE

Underemployment differs by age group, with those aged between 15 and 24 making-up over 35% of all underemployed and having the highest underemployment rate (18.1%) and underemployment ratio (20.5%) (the proportion of underemployed aged between 15-24 over employed aged 15-24) as of September 2018. Graph 3 displays the underemployment ratio for each age group over two decades, and shows that the 15-24 age group constantly has the highest underemployment ratio. All other age groups have an underemployment ratio between 6.6% and 7.0% with 35-44 and 55+ having the lowest ratios (both 6.6%). Over the last 20 years, the age groups on the lower and upper extremities have seen the largest growth rate in their total underemployment; underemployment for over 55s increased 275%, for 15-24 year olds 83%, while total underemployment increased 78%.

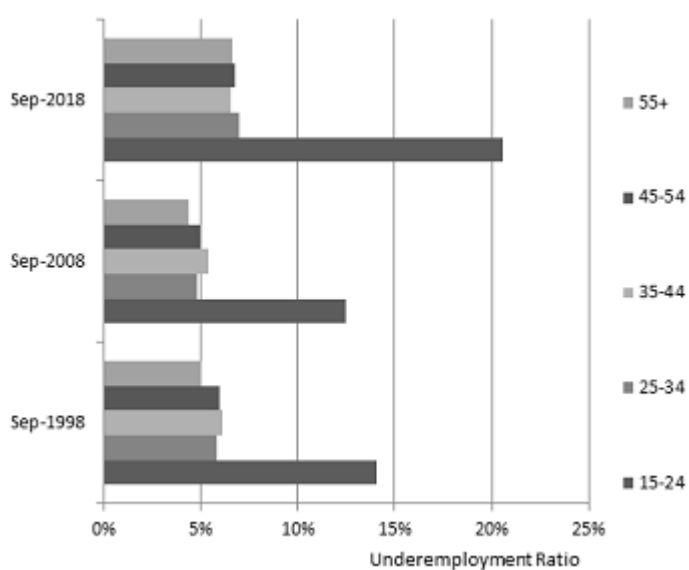
## UNDEREMPLOYMENT IN AUSTRALIA *continued*

UNDEREMPLOYMENT BY  
FULL-TIME AND  
PART-TIME EMPLOYMENT  
*continued*

GRAPH 2, Total underemployment by age group,



GRAPH 3, Underemployment ratio by age group



## UNDEREMPLOYMENT IN AUSTRALIA *continued*

### UNDEREMPLOYMENT BY SEX

Females have consistently represented the greater share of underemployed workers; as of September 2018, females made-up 60.1% of all underemployed. The female underemployment rate is 10.7%, meaning one in ten females in the labour force were underemployed in September 2018. Males made-up 39.9% of the underemployed as of September 2018 and had an underemployment rate of 6.3%. This difference between female and male underemployment is reflected by various factors including that females are more likely to work part-time (46.4% of females and 18.6% of males employed in September 2018 were employed part-time).

TABLE 2, Underemployment by sex

	Males			Females		
	Underemployment rate	Underemployed (000)	Proportion of total underemployed	Underemployment rate	Underemployed (000)	Proportion of total underemployed
Sep-2018	6.3%	443	39.9%	10.7%	668	60.1%
Sep-2008	4.4%	269	39.8%	8.0%	407	60.2%
Sep-1998	5.0%	264	42.2%	9.0%	362	57.8%

### UNDEREMPLOYMENT BY STATE

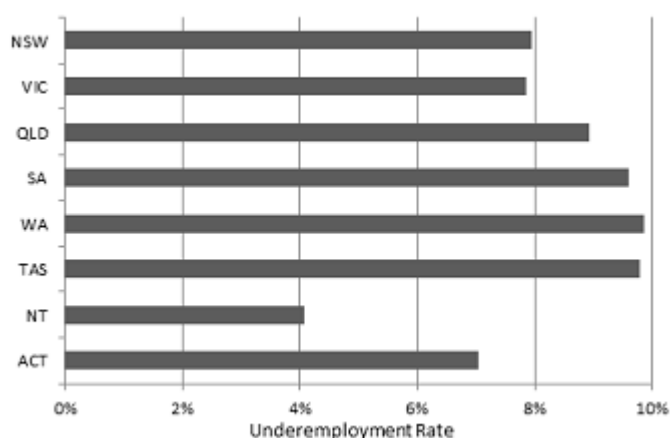
Australia's States and Territories have significant differences in their underemployment rates. The Northern Territory and the Australian Capital Territory have the lowest underemployment rates in September 2018 at 4.1% and 7.0% respectively. This is followed by Victoria and New South Wales at 7.9%, and Queensland at 8.9%. On the higher end of the spectrum there is South Australia 9.6%, Tasmania 9.8% and Western Australia at 9.9%.



## UNDEREMPLOYMENT IN AUSTRALIA *continued*

### UNDEREMPLOYMENT BY STATE *continued*

GRAPH 4, Underemployment rate by State, September 2018.



### UNDEREMPLOYMENT BY INDUSTRY OF MAIN JOB

For completeness, industry and occupation underemployment data is presented here, utilising August 2018 data. Underemployment and underutilisation data by industry and occupation will remain quarterly, published in Labour Force, Australia, Detailed, Quarterly (cat. no. 6291.0.55.003).

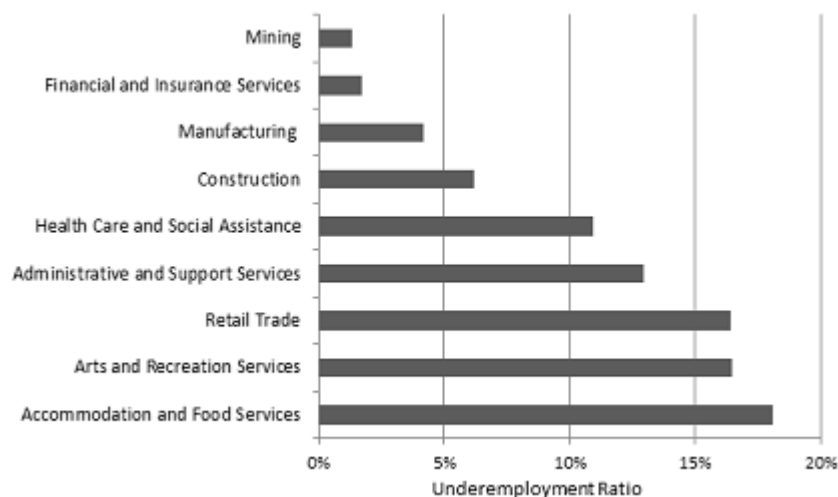
The number of underemployed is highly concentrated within select industries; Retail Trade, Health Care and Social Assistance and Accommodation and Food Services all have relatively high numbers of underemployed. These three industries together account for over 50% of total underemployed in original terms.

The underemployment ratio is above 16% in original terms for Retail Trade, Arts and Recreation Services, and Accommodation and Food Services in August 2018. Note that the industry data refers to industry of main job, and does not necessarily reflect that people employed in these industries would prefer more hours in the same industry.

## UNDEREMPLOYMENT IN AUSTRALIA *continued*

### UNDEREMPLOYMENT BY INDUSTRY OF MAIN JOB *continued*

GRAPH 5, Underemployment ratio by industry (original terms), August 2018.



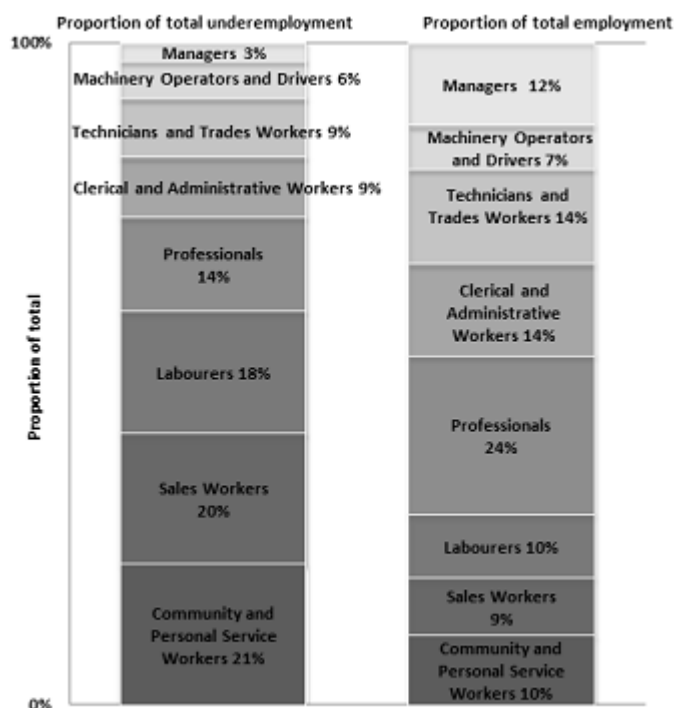
### UNDEREMPLOYMENT BY OCCUPATION

Underemployment also varies substantially by the occupation of an employee. As a proportion of total underemployment in August 2018, underemployed Managers and, Machinery Operators and Drivers had the lowest proportions in original terms at 3% and 6% of all underemployed respectively. Managers however accounted for 12% of all employed and, Machinery Operators and Drivers 7%. Sales Workers and, Community and Personal Service Workers, had the highest proportions of underemployed at 20% and 21% respectively while their proportion of employed was 9% and 10% respectively (see Graph 6).

## UNDEREMPLOYMENT IN AUSTRALIA *continued*

UNDEREMPLOYMENT BY  
OCCUPATION *continued*

GRAPH 6, Proportion of total underemployment and employment by occupation  
(original terms), August 2018.



Sales workers and, Community and Personal Service Workers were the occupations in August 2018 with the highest underemployment ratios in original terms at 19.2% and 17.3% respectively. The ratio was lowest for Managers (1.9%) and Professionals (5.0%) (see Graph 7).

UNDEREMPLOYMENT IN AUSTRALIA *continued*

UNDEREMPLOYMENT BY  
OCCUPATION *continued*

GRAPH 7, Underemployment ratio by occupation (original terms), August 2018.



END NOTES

1. Wilkins, Roger and Inga Lass (2018) The Household, Income and Labour Dynamics in Australia Survey: Selected Findings from Waves 1 to 16. Melbourne Institute: Applied Economic & Social Research. University of Melbourne.

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER), Australia: Trend

	EMPLOYED				UNEMPLOYED			LABOUR FORCE	
	Full-time	Part-time	Total	Employment to population ratio	Looked for full-time work	Total	Unemployment rate	Total	Participation rate
	'000	'000	'000	%	'000	'000	%	'000	%
PERSONS									
September 2015	8 165.0	3 676.2	11 841.3	61.2	535.9	757.1	6.0	12 598.4	65.1
September 2016	8 174.5	3 828.7	12 003.2	61.1	500.5	720.3	5.7	12 723.5	64.7
2017									
September	8 459.6	3 890.6	12 350.2	61.8	492.6	717.5	5.5	13 067.7	65.3
October	8 482.5	3 899.4	12 382.0	61.8	494.2	717.8	5.5	13 099.7	65.4
November	8 502.1	3 910.4	12 412.5	61.9	496.6	719.1	5.5	13 131.6	65.5
December	8 517.0	3 923.3	12 440.3	62.0	499.4	721.8	5.5	13 162.1	65.6
2018									
January	8 526.1	3 937.6	12 463.7	62.0	502.2	724.6	5.5	13 188.3	65.6
February	8 530.7	3 951.8	12 482.5	62.0	504.3	726.3	5.5	13 208.8	65.6
March	8 534.5	3 964.5	12 499.1	62.0	505.7	726.2	5.5	13 225.3	65.6
April	8 541.5	3 974.4	12 515.9	62.0	506.2	724.6	5.5	13 240.5	65.6
May	8 555.0	3 981.3	12 536.2	62.0	504.9	721.4	5.4	13 257.6	65.5
June	8 575.6	3 985.4	12 561.0	62.0	501.0	716.3	5.4	13 277.3	65.6
July	8 599.9	3 987.6	12 587.5	62.1	493.6	708.8	5.3	13 296.3	65.6
August	8 624.3	3 990.1	12 614.4	62.1	483.3	699.0	5.2	13 313.4	65.6
September	8 645.8	3 995.0	12 640.8	62.2	472.0	688.5	5.2	13 329.3	65.6
MALES									
September 2015	5 218.6	1 126.2	6 344.7	66.7	314.9	402.4	6.0	6 747.1	70.9
September 2016	5 204.4	1 212.2	6 416.6	66.5	292.8	379.5	5.6	6 796.1	70.4
2017									
September	5 359.9	1 210.2	6 570.1	66.9	289.9	378.5	5.4	6 948.6	70.8
October	5 368.5	1 212.7	6 581.2	67.0	289.7	378.2	5.4	6 959.4	70.8
November	5 375.2	1 216.6	6 591.9	67.0	289.8	378.5	5.4	6 970.3	70.8
December	5 380.1	1 221.7	6 601.8	67.0	290.5	379.6	5.5	6 981.4	70.8
2018									
January	5 383.8	1 226.7	6 610.4	67.0	291.9	381.3	5.5	6 991.7	70.8
February	5 387.7	1 230.4	6 618.1	66.9	293.3	383.2	5.5	7 001.2	70.8
March	5 393.6	1 232.5	6 626.1	66.9	294.5	384.7	5.5	7 010.8	70.8
April	5 402.7	1 233.5	6 636.2	66.9	295.0	385.3	5.5	7 021.5	70.8
May	5 415.1	1 234.8	6 649.8	67.0	293.7	384.2	5.5	7 034.0	70.8
June	5 430.0	1 236.8	6 666.8	67.1	290.0	380.7	5.4	7 047.5	70.9
July	5 445.2	1 240.0	6 685.2	67.2	283.4	374.3	5.3	7 059.5	70.9
August	5 459.4	1 244.5	6 703.8	67.3	274.6	365.5	5.2	7 069.4	71.0
September	5 471.6	1 249.5	6 721.1	67.4	265.4	356.2	5.0	7 077.3	71.0
FEMALES									
September 2015	2 946.5	2 550.1	5 496.6	55.8	221.0	354.7	6.1	5 851.3	59.4
September 2016	2 970.1	2 616.5	5 586.6	55.8	207.7	340.8	5.7	5 927.4	59.2
2017									
September	3 099.8	2 680.4	5 780.1	56.8	202.7	339.0	5.5	6 119.1	60.1
October	3 114.0	2 686.8	5 800.8	56.9	204.6	339.6	5.5	6 140.4	60.2
November	3 126.8	2 693.8	5 820.6	57.0	206.8	340.6	5.5	6 161.2	60.4
December	3 136.9	2 701.7	5 838.5	57.1	208.9	342.2	5.5	6 180.7	60.5
2018									
January	3 142.3	2 710.9	5 853.3	57.2	210.3	343.3	5.5	6 196.6	60.5
February	3 143.0	2 721.4	5 864.4	57.2	211.0	343.1	5.5	6 207.5	60.6
March	3 140.9	2 732.0	5 872.9	57.2	211.2	341.5	5.5	6 214.5	60.5
April	3 138.7	2 740.9	5 879.7	57.2	211.2	339.3	5.5	6 219.0	60.5
May	3 139.9	2 746.5	5 886.4	57.2	211.2	337.2	5.4	6 223.6	60.4
June	3 145.6	2 748.5	5 894.1	57.2	211.0	335.6	5.4	6 229.7	60.4
July	3 154.8	2 747.6	5 902.3	57.2	210.2	334.5	5.4	6 236.8	60.4
August	3 164.9	2 745.6	5 910.6	57.2	208.7	333.5	5.3	6 244.0	60.4
September	3 174.2	2 745.5	5 919.7	57.2	206.5	332.3	5.3	6 252.0	60.4

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER), Australia: Seasonally adjusted

	EMPLOYED				UNEMPLOYED			LABOUR FORCE	
	Full-time	Part-time	Total	Employment to population ratio	Looked for full-time work	Total	Unemployment rate	Total	Participation rate
	'000	'000	'000	%	'000	'000	%	'000	%
PERSONS									
September 2015	8 150.7	3 653.8	11 804.5	61.0	556.2	775.7	6.2	12 580.3	65.0
September 2016	8 112.7	3 853.8	11 966.6	60.9	501.4	716.5	5.6	12 683.0	64.5
2017									
September	8 436.9	3 918.6	12 355.4	61.8	488.4	713.2	5.5	13 068.6	65.3
October	8 469.1	3 890.7	12 359.8	61.7	491.9	708.0	5.4	13 067.8	65.3
November	8 511.9	3 910.6	12 422.6	62.0	494.6	712.3	5.4	13 134.9	65.5
December	8 525.5	3 930.8	12 456.4	62.1	502.3	732.4	5.6	13 188.8	65.7
2018									
January	8 521.1	3 976.3	12 497.4	62.2	500.0	726.0	5.5	13 223.4	65.8
February	8 541.1	3 950.2	12 491.3	62.0	511.4	731.6	5.5	13 222.9	65.7
March	8 521.5	3 975.0	12 496.6	61.9	523.2	731.0	5.5	13 227.5	65.6
April	8 551.1	3 964.0	12 515.1	62.0	505.0	739.8	5.6	13 254.9	65.6
May	8 532.3	3 997.5	12 529.8	62.0	495.2	714.2	5.4	13 244.0	65.5
June	8 578.2	4 012.4	12 590.7	62.2	498.8	710.2	5.3	13 300.8	65.7
July	8 598.9	3 987.1	12 586.1	62.1	499.0	699.6	5.3	13 285.7	65.5
August	8 634.1	3 996.6	12 630.7	62.2	487.7	702.9	5.3	13 333.6	65.7
September	8 654.4	3 981.9	12 636.3	62.2	449.7	665.8	5.0	13 302.1	65.4
MALES									
September 2015	5 206.5	1 125.1	6 331.6	66.6	329.8	418.6	6.2	6 750.2	71.0
September 2016	5 160.0	1 227.9	6 388.0	66.2	297.1	380.4	5.6	6 768.4	70.1
2017									
September	5 367.8	1 203.0	6 570.8	66.9	288.0	379.0	5.5	6 949.8	70.8
October	5 365.6	1 205.6	6 571.3	66.8	285.2	367.4	5.3	6 938.7	70.6
November	5 384.8	1 220.9	6 605.7	67.1	290.3	376.9	5.4	6 982.6	71.0
December	5 382.0	1 218.7	6 600.7	67.0	303.1	396.4	5.7	6 997.1	71.0
2018									
January	5 369.7	1 274.9	6 644.6	67.3	287.0	378.6	5.4	7 023.2	71.2
February	5 394.2	1 233.5	6 627.7	67.0	297.1	384.8	5.5	7 012.5	70.9
March	5 393.9	1 236.4	6 630.3	66.9	304.8	386.9	5.5	7 017.2	70.8
April	5 404.4	1 229.4	6 633.8	66.9	293.7	396.6	5.6	7 030.3	70.9
May	5 409.3	1 235.3	6 644.6	66.9	290.4	378.3	5.4	7 022.9	70.7
June	5 435.8	1 230.5	6 666.2	67.1	292.6	386.8	5.5	7 053.0	70.9
July	5 442.3	1 241.2	6 683.5	67.1	284.6	375.0	5.3	7 058.6	70.9
August	5 464.0	1 251.2	6 715.2	67.4	274.9	366.6	5.2	7 081.8	71.1
September	5 476.1	1 245.3	6 721.4	67.4	255.3	342.9	4.9	7 064.2	70.8
FEMALES									
September 2015	2 944.2	2 528.8	5 473.0	55.6	226.4	357.1	6.1	5 830.1	59.2
September 2016	2 952.7	2 625.9	5 578.6	55.7	204.3	336.0	5.7	5 914.6	59.1
2017									
September	3 069.1	2 715.5	5 784.6	56.8	200.3	334.2	5.5	6 118.8	60.1
October	3 103.5	2 685.0	5 788.6	56.8	206.8	340.6	5.6	6 129.1	60.1
November	3 127.2	2 689.7	5 816.9	57.0	204.3	335.4	5.5	6 152.3	60.3
December	3 143.6	2 712.1	5 855.7	57.3	199.2	336.0	5.4	6 191.7	60.6
2018									
January	3 151.4	2 701.3	5 852.7	57.2	212.9	347.5	5.6	6 200.2	60.6
February	3 146.9	2 716.6	5 863.6	57.2	214.3	346.8	5.6	6 210.4	60.6
March	3 127.7	2 738.6	5 866.3	57.1	218.4	344.1	5.5	6 210.4	60.5
April	3 146.7	2 734.7	5 881.3	57.2	211.3	343.2	5.5	6 224.6	60.5
May	3 123.0	2 762.2	5 885.3	57.2	204.8	335.9	5.4	6 221.2	60.4
June	3 142.5	2 782.0	5 924.4	57.5	206.2	323.4	5.2	6 247.8	60.6
July	3 156.6	2 745.9	5 902.5	57.2	214.5	324.6	5.2	6 227.1	60.3
August	3 170.1	2 745.4	5 915.5	57.2	212.8	336.3	5.4	6 251.8	60.5
September	3 178.3	2 736.6	5 914.9	57.2	194.4	322.9	5.2	6 237.8	60.3

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER), Australia: Original

	EMPLOYED				UNEMPLOYED			LABOUR FORCE			
	Full-time	Part-time	Total	Employment to population ratio	Looked for full-time work	Total	Unemployment rate	Total	Participation rate	Not in the labour force	Civilian population aged 15 and over
	'000	'000	'000	%	'000	'000	%	'000	%	'000	'000
PERSONS											
September 2015	8 122.4	3 671.4	11 793.8	60.9	537.5	755.2	6.0	12 549.0	64.8	6 811.4	19 360.5
September 2016	8 084.6	3 873.2	11 957.7	60.8	484.1	696.8	5.5	12 654.5	64.4	7 010.3	19 664.8
2017											
September	8 407.0	3 937.8	12 344.8	61.7	471.3	693.6	5.3	13 038.4	65.2	6 968.0	20 006.4
October	8 434.2	3 927.5	12 361.7	61.7	464.6	667.9	5.1	13 029.6	65.1	6 997.4	20 027.1
November	8 549.7	3 914.7	12 464.4	62.2	465.5	662.4	5.0	13 126.8	65.5	6 921.0	20 047.7
December	8 667.9	3 913.4	12 581.4	62.7	494.6	717.9	5.4	13 299.3	66.3	6 769.2	20 068.4
2018											
January	8 451.0	3 867.3	12 318.3	61.3	549.2	781.4	6.0	13 099.7	65.2	7 004.2	20 103.9
February	8 630.3	3 910.0	12 540.4	62.3	560.9	807.1	6.0	13 347.5	66.3	6 791.9	20 139.4
March	8 490.9	4 015.1	12 506.0	62.0	547.1	779.8	5.9	13 285.8	65.9	6 889.1	20 174.9
April	8 522.5	4 015.0	12 537.4	62.1	504.4	741.5	5.6	13 279.0	65.7	6 920.6	20 199.6
May	8 523.6	4 061.2	12 584.8	62.2	486.0	702.6	5.3	13 287.5	65.7	6 936.8	20 224.2
June	8 556.6	4 064.2	12 620.8	62.3	492.5	688.9	5.2	13 309.7	65.7	6 939.2	20 248.9
July	8 620.6	3 963.4	12 584.0	62.1	494.7	690.4	5.2	13 274.4	65.5	7 000.2	20 274.5
August	8 571.4	3 987.8	12 559.3	61.9	485.8	698.5	5.3	13 257.8	65.3	7 042.4	20 300.2
September	8 621.1	4 001.4	12 622.5	62.1	432.0	645.5	4.9	13 268.1	65.3	7 057.8	20 325.8
MALES											
September 2015	5 184.4	1 134.9	6 319.4	66.4	322.6	415.4	6.2	6 734.8	70.8	2 776.3	9 511.0
September 2016	5 138.8	1 238.3	6 377.2	66.1	290.1	376.4	5.6	6 753.6	70.0	2 900.8	9 654.4
2017											
September	5 345.6	1 212.6	6 558.2	66.8	281.3	375.2	5.4	6 933.5	70.6	2 887.5	9 820.9
October	5 351.2	1 218.2	6 569.3	66.8	273.6	350.9	5.1	6 920.2	70.4	2 910.7	9 830.9
November	5 404.0	1 210.1	6 614.1	67.2	276.5	354.0	5.1	6 968.1	70.8	2 872.8	9 840.9
December	5 465.0	1 195.9	6 660.9	67.6	295.8	395.6	5.6	7 056.5	71.6	2 794.4	9 850.8
2018											
January	5 331.1	1 233.1	6 564.2	66.5	312.8	411.4	5.9	6 975.6	70.7	2 893.2	9 868.8
February	5 455.5	1 211.4	6 667.0	67.4	318.0	416.1	5.9	7 083.0	71.6	2 803.8	9 886.8
March	5 388.1	1 249.0	6 637.1	67.0	312.7	404.1	5.7	7 041.1	71.1	2 863.6	9 904.8
April	5 395.4	1 263.2	6 658.7	67.1	288.6	387.6	5.5	7 046.3	71.1	2 870.6	9 916.9
May	5 404.2	1 266.8	6 671.0	67.2	281.7	366.1	5.2	7 037.1	70.9	2 891.8	9 929.0
June	5 417.3	1 259.7	6 677.0	67.2	291.2	375.2	5.3	7 052.2	70.9	2 888.9	9 941.1
July	5 449.0	1 235.6	6 684.7	67.2	287.0	374.7	5.3	7 059.4	70.9	2 894.0	9 953.4
August	5 426.5	1 248.0	6 674.5	67.0	278.8	368.1	5.2	7 042.6	70.7	2 923.1	9 965.7
September	5 451.9	1 255.2	6 707.1	67.2	247.7	337.9	4.8	7 045.0	70.6	2 933.0	9 978.0
FEMALES											
September 2015	2 938.0	2 536.5	5 474.4	55.6	214.9	339.8	5.8	5 814.3	59.0	4 035.2	9 849.4
September 2016	2 945.7	2 634.8	5 580.6	55.7	194.0	320.4	5.4	5 900.9	58.9	4 109.4	10 010.4
2017											
September	3 061.3	2 725.2	5 786.6	56.8	190.0	318.4	5.2	6 105.0	59.9	4 080.5	10 185.5
October	3 083.0	2 709.4	5 792.4	56.8	191.0	317.0	5.2	6 109.4	59.9	4 086.8	10 196.2
November	3 145.7	2 704.6	5 850.3	57.3	189.0	308.4	5.0	6 158.7	60.3	4 048.2	10 206.9
December	3 202.9	2 717.5	5 920.4	57.9	198.8	322.3	5.2	6 242.8	61.1	3 974.8	10 217.6
2018											
January	3 119.9	2 634.3	5 754.1	56.2	236.4	370.0	6.0	6 124.1	59.8	4 111.0	10 235.1
February	3 174.8	2 698.6	5 873.4	57.3	242.9	391.1	6.2	6 264.5	61.1	3 988.2	10 252.6
March	3 102.9	2 766.1	5 868.9	57.1	234.3	375.7	6.0	6 244.7	60.8	4 025.5	10 270.2
April	3 127.0	2 751.7	5 878.8	57.2	215.8	354.0	5.7	6 232.7	60.6	4 050.0	10 282.7
May	3 119.4	2 794.4	5 913.8	57.4	204.3	336.5	5.4	6 250.3	60.7	4 044.9	10 295.2
June	3 139.2	2 804.5	5 943.8	57.7	201.3	313.7	5.0	6 257.5	60.7	4 050.3	10 307.8
July	3 171.5	2 727.8	5 899.3	57.2	207.6	315.6	5.1	6 214.9	60.2	4 106.2	10 321.1
August	3 144.9	2 739.8	5 884.8	56.9	207.0	330.4	5.3	6 215.2	60.1	4 119.3	10 334.5
September	3 169.2	2 746.2	5 915.4	57.2	184.3	307.6	4.9	6 223.0	60.1	4 124.8	10 347.8

	EMPLOYED		Employment to population ratio	UNEMPLOYED		LABOUR FORCE	
	Full-time	Total		Total	Unemployment rate	Labour force	Participation rate
	'000	'000		%	'000	%	'000
TREND							
New South Wales	2 794.8	4 040.9	62.1	192.6	4.5	4 233.4	65.1
Victoria	2 243.1	3 312.2	62.5	163.5	4.7	3 475.7	65.6
Queensland	1 712.2	2 490.2	61.8	162.5	6.1	2 652.7	65.8
South Australia	543.1	839.0	58.8	49.3	5.6	888.3	62.3
Western Australia	919.2	1 347.5	64.4	86.8	6.1	1 434.4	68.5
Tasmania	155.9	249.3	57.4	15.7	5.9	265.1	60.9
Northern Territory	110.8	137.2	72.3	5.9	4.1	143.2	75.3
Australian Capital Territory	164.6	228.9	68.0	8.5	3.6	237.4	70.6
Australia	8 645.8	12 640.8	62.2	688.5	5.2	13 329.3	65.6
SEASONALLY ADJUSTED							
New South Wales	2 792.3	4 044.0	62.1	185.6	4.4	4 229.6	65.0
Victoria	2 262.5	3 318.6	62.6	158.1	4.5	3 476.6	65.6
Queensland	1 713.7	2 484.7	61.6	158.1	6.0	2 642.9	65.5
South Australia	540.6	835.6	58.6	48.6	5.5	884.2	62.0
Western Australia	922.6	1 348.6	64.4	86.5	6.0	1 435.0	68.6
Tasmania	155.2	248.5	57.1	15.2	5.8	263.7	60.6
Australia	8 654.4	12 636.3	62.2	665.8	5.0	13 302.1	65.4
ORIGINAL							
New South Wales	2 783.8	4 050.0	62.2	179.2	4.2	4 229.2	65.0
Victoria	2 244.4	3 306.1	62.4	155.0	4.5	3 461.1	65.3
Queensland	1 710.2	2 479.9	61.5	151.7	5.8	2 631.6	65.2
South Australia	537.3	833.2	58.4	46.2	5.3	879.4	61.6
Western Australia	920.2	1 342.9	64.2	85.0	6.0	1 427.9	68.2
Tasmania	153.6	247.2	56.8	14.7	5.6	261.9	60.2
Northern Territory	108.7	135.6	71.3	5.5	3.9	141.0	74.2
Australian Capital Territory	162.9	227.6	67.6	8.2	3.5	235.8	70.1
Australia	8 621.1	12 622.5	62.1	645.5	4.9	13 268.1	65.3



# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER)—New South Wales

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	2 659.8	2 629.6	3 759.1	3 744.6	225.9	232.8	5.7	5.9	64.3	64.2	6 199.6
September 2016	2 622.4	2 615.5	3 819.8	3 818.9	199.8	197.8	5.0	4.9	63.8	63.8	6 299.9
2017											
September	2 741.3	2 742.6	3 906.2	3 909.8	194.4	192.2	4.7	4.7	64.0	64.0	6 412.8
October	2 749.3	2 752.2	3 919.1	3 912.6	194.5	187.7	4.7	4.6	64.1	63.9	6 419.1
November	2 754.9	2 758.1	3 931.8	3 938.1	195.4	193.0	4.7	4.7	64.2	64.3	6 425.3
December	2 758.5	2 765.1	3 943.5	3 959.6	197.4	200.0	4.8	4.8	64.4	64.7	6 431.6
2018											
January	2 760.5	2 757.1	3 954.4	3 943.9	200.2	210.3	4.8	5.1	64.5	64.5	6 441.8
February	2 761.8	2 755.8	3 965.0	3 969.4	203.1	201.0	4.9	4.8	64.6	64.6	6 452.0
March	2 764.4	2 760.5	3 975.8	3 963.1	205.3	207.8	4.9	5.0	64.7	64.5	6 462.2
April	2 769.0	2 778.2	3 987.1	3 991.6	206.2	207.6	4.9	4.9	64.8	64.9	6 469.8
May	2 775.7	2 768.6	3 999.0	3 995.4	205.4	205.8	4.9	4.9	64.9	64.9	6 477.4
June	2 782.8	2 778.9	4 011.2	4 024.4	203.0	198.4	4.8	4.7	65.0	65.1	6 485.0
July	2 788.5	2 792.4	4 022.4	3 997.2	199.5	203.6	4.7	4.8	65.0	64.7	6 493.4
August	2 792.1	2 803.5	4 032.3	4 041.2	195.7	196.7	4.6	4.6	65.1	65.2	6 501.8
September	2 794.8	2 792.3	4 040.9	4 044.0	192.6	185.6	4.5	4.4	65.1	65.0	6 510.2
MALES											
September 2015	1 673.9	1 642.6	2 014.5	2 004.1	114.0	118.0	5.4	5.6	70.0	69.8	3 038.8
September 2016	1 648.7	1 636.8	2 042.7	2 040.9	101.9	101.8	4.8	4.8	69.5	69.4	3 088.1
2017											
September	1 712.9	1 723.1	2 081.1	2 086.1	107.3	104.5	4.9	4.8	69.6	69.6	3 145.5
October	1 716.7	1 715.1	2 086.1	2 081.8	106.8	100.4	4.9	4.6	69.7	69.3	3 148.9
November	1 719.6	1 723.9	2 091.6	2 092.2	106.7	104.7	4.9	4.8	69.7	69.7	3 152.3
December	1 722.0	1 722.7	2 096.8	2 095.3	107.4	118.2	4.9	5.3	69.8	70.1	3 155.7
2018											
January	1 724.2	1 719.6	2 101.8	2 104.5	108.7	110.5	4.9	5.0	69.9	70.1	3 161.0
February	1 726.0	1 727.4	2 106.4	2 111.4	110.2	110.0	5.0	5.0	70.0	70.2	3 166.4
March	1 728.2	1 726.9	2 110.9	2 105.6	111.2	109.3	5.0	4.9	70.1	69.8	3 171.7
April	1 731.1	1 732.5	2 115.6	2 115.1	111.1	115.2	5.0	5.2	70.1	70.2	3 175.7
May	1 734.5	1 733.4	2 120.8	2 117.4	110.0	107.3	4.9	4.8	70.1	70.0	3 179.6
June	1 737.9	1 738.9	2 126.5	2 132.6	108.0	108.9	4.8	4.9	70.2	70.4	3 183.6
July	1 740.7	1 736.9	2 132.2	2 118.9	105.4	108.4	4.7	4.9	70.2	69.9	3 187.9
August	1 742.7	1 749.1	2 137.3	2 146.3	102.6	101.5	4.6	4.5	70.2	70.4	3 192.3
September	1 744.3	1 743.5	2 141.5	2 142.0	100.1	96.7	4.5	4.3	70.2	70.0	3 196.6
FEMALES											
September 2015	985.9	987.0	1 744.6	1 740.5	111.9	114.8	6.0	6.2	58.7	58.7	3 160.8
September 2016	973.7	978.7	1 777.0	1 778.0	97.9	96.0	5.2	5.1	58.4	58.3	3 211.8
2017											
September	1 028.4	1 019.5	1 825.0	1 823.7	87.1	87.7	4.6	4.6	58.6	58.5	3 267.3
October	1 032.6	1 037.1	1 833.0	1 830.8	87.8	87.3	4.6	4.6	58.7	58.7	3 270.2
November	1 035.3	1 034.2	1 840.3	1 845.9	88.7	88.4	4.6	4.6	58.9	59.1	3 273.0
December	1 036.5	1 042.3	1 846.7	1 864.3	90.0	81.7	4.6	4.2	59.1	59.4	3 275.9
2018											
January	1 036.4	1 037.5	1 852.6	1 839.4	91.4	99.8	4.7	5.1	59.2	59.1	3 280.7
February	1 035.8	1 028.4	1 858.6	1 858.0	92.9	91.0	4.8	4.7	59.4	59.3	3 285.6
March	1 036.2	1 033.7	1 865.0	1 857.5	94.2	98.5	4.8	5.0	59.6	59.4	3 290.4
April	1 037.9	1 045.7	1 871.5	1 876.5	95.1	92.4	4.8	4.7	59.7	59.8	3 294.1
May	1 041.2	1 035.2	1 878.2	1 878.1	95.4	98.5	4.8	5.0	59.8	59.9	3 297.8
June	1 044.9	1 040.0	1 884.6	1 891.9	94.9	89.5	4.8	4.5	59.9	60.0	3 301.4
July	1 047.8	1 055.5	1 890.2	1 878.3	94.1	95.2	4.7	4.8	60.0	59.7	3 305.5
August	1 049.4	1 054.4	1 895.0	1 894.9	93.1	95.1	4.7	4.8	60.1	60.1	3 309.5
September	1 050.5	1 048.8	1 899.3	1 902.0	92.5	88.9	4.6	4.5	60.1	60.1	3 313.6

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER)—Victoria

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	1 996.8	1 996.2	3 000.7	2 994.6	191.3	200.6	6.0	6.3	64.5	64.6	4 946.9
September 2016	2 104.1	2 083.6	3 128.5	3 113.9	193.3	190.6	5.8	5.8	65.6	65.3	5 063.8
2017											
September	2 172.1	2 166.5	3 227.0	3 233.1	203.8	205.7	5.9	6.0	66.2	66.3	5 185.5
October	2 175.5	2 171.6	3 233.6	3 221.2	201.6	196.0	5.9	5.7	66.2	65.8	5 193.5
November	2 178.8	2 185.2	3 239.6	3 249.8	199.0	188.4	5.8	5.5	66.1	66.1	5 201.4
December	2 181.9	2 184.8	3 244.5	3 246.2	195.8	210.6	5.7	6.1	66.0	66.4	5 209.3
2018											
January	2 184.5	2 194.0	3 248.4	3 253.7	192.3	192.3	5.6	5.6	65.9	66.0	5 222.4
February	2 187.5	2 190.3	3 252.6	3 237.7	188.6	193.9	5.5	5.7	65.7	65.5	5 235.5
March	2 191.4	2 177.2	3 258.0	3 263.9	184.7	180.4	5.4	5.2	65.6	65.6	5 248.5
April	2 196.7	2 197.8	3 265.0	3 254.8	180.5	180.0	5.2	5.2	65.6	65.3	5 256.7
May	2 204.4	2 194.4	3 274.1	3 277.6	176.5	173.8	5.1	5.0	65.5	65.6	5 264.8
June	2 214.1	2 217.1	3 284.6	3 270.0	172.7	191.4	5.0	5.5	65.6	65.6	5 272.9
July	2 224.2	2 215.5	3 295.0	3 299.6	169.3	170.8	4.9	4.9	65.6	65.7	5 281.9
August	2 234.0	2 229.0	3 304.3	3 298.6	166.1	164.1	4.8	4.7	65.6	65.4	5 290.9
September	2 243.1	2 262.5	3 312.2	3 318.6	163.5	158.1	4.7	4.5	65.6	65.6	5 299.9
MALES											
September 2015	1 304.0	1 300.4	1 622.1	1 616.6	96.3	107.6	5.6	6.2	70.9	71.2	2 422.7
September 2016	1 361.5	1 345.1	1 688.5	1 678.5	101.6	98.9	5.7	5.6	72.2	71.7	2 480.2
2017											
September	1 391.5	1 387.4	1 726.2	1 723.2	101.6	106.3	5.6	5.8	71.9	72.0	2 541.8
October	1 391.5	1 390.2	1 728.7	1 722.8	99.8	97.2	5.5	5.3	71.8	71.5	2 545.9
November	1 391.9	1 398.2	1 731.8	1 740.1	97.9	87.1	5.4	4.8	71.7	71.7	2 550.0
December	1 392.9	1 393.1	1 734.9	1 731.9	96.1	109.9	5.2	6.0	71.6	72.1	2 554.1
2018											
January	1 394.4	1 386.6	1 738.0	1 743.5	94.5	90.8	5.2	4.9	71.5	71.6	2 560.8
February	1 397.3	1 399.5	1 741.0	1 731.8	93.2	98.2	5.1	5.4	71.5	71.3	2 567.6
March	1 402.0	1 403.5	1 744.5	1 747.0	92.4	91.3	5.0	5.0	71.4	71.4	2 574.3
April	1 408.7	1 407.8	1 749.1	1 743.8	91.7	91.1	5.0	5.0	71.4	71.2	2 578.4
May	1 417.4	1 411.1	1 755.1	1 756.9	90.7	88.7	4.9	4.8	71.5	71.5	2 582.4
June	1 426.8	1 428.3	1 762.2	1 744.9	89.4	105.1	4.8	5.7	71.6	71.5	2 586.5
July	1 435.5	1 440.7	1 769.4	1 772.2	87.5	90.1	4.7	4.8	71.7	71.9	2 591.1
August	1 442.7	1 440.8	1 775.8	1 774.0	85.3	86.2	4.6	4.6	71.7	71.7	2 595.6
September	1 448.2	1 452.7	1 780.9	1 786.4	83.1	77.4	4.5	4.2	71.8	71.7	2 600.1
FEMALES											
September 2015	692.9	695.9	1 378.7	1 378.0	95.0	93.0	6.4	6.3	58.4	58.3	2 524.3
September 2016	742.7	738.5	1 440.1	1 435.4	91.7	91.7	6.0	6.0	59.3	59.1	2 583.6
2017											
September	780.6	779.1	1 500.8	1 509.9	102.2	99.4	6.4	6.2	60.7	60.9	2 643.7
October	784.1	781.4	1 504.9	1 498.4	101.8	98.8	6.3	6.2	60.7	60.3	2 647.6
November	786.9	786.9	1 507.9	1 509.8	101.0	101.3	6.3	6.3	60.7	60.8	2 651.4
December	789.1	791.7	1 509.5	1 514.4	99.7	100.7	6.2	6.2	60.6	60.8	2 655.3
2018											
January	790.2	807.4	1 510.4	1 510.3	97.8	101.5	6.1	6.3	60.4	60.6	2 661.6
February	790.2	790.9	1 511.6	1 506.0	95.4	95.7	5.9	6.0	60.2	60.0	2 667.9
March	789.4	773.8	1 513.5	1 516.9	92.3	89.0	5.7	5.5	60.1	60.1	2 674.2
April	788.0	790.0	1 515.9	1 511.0	88.8	88.8	5.5	5.6	59.9	59.7	2 678.3
May	787.1	783.3	1 519.0	1 520.7	85.7	85.1	5.3	5.3	59.8	59.9	2 682.3
June	787.3	788.8	1 522.4	1 525.1	83.3	86.3	5.2	5.4	59.8	60.0	2 686.4
July	788.7	774.9	1 525.6	1 527.4	81.7	80.8	5.1	5.0	59.7	59.8	2 690.8
August	791.3	788.2	1 528.5	1 524.6	80.8	77.9	5.0	4.9	59.7	59.5	2 695.3
September	795.0	809.8	1 531.3	1 532.2	80.3	80.7	5.0	5.0	59.6	59.7	2 699.7

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER)—Queensland

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	1 643.5	1 647.7	2 359.9	2 361.5	156.2	157.7	6.2	6.3	65.6	65.7	3 835.1
September 2016	1 625.4	1 607.8	2 346.2	2 344.9	152.1	156.7	6.1	6.3	64.2	64.2	3 894.2
2017											
September	1 670.2	1 668.2	2 451.1	2 449.2	155.4	153.2	6.0	5.9	65.7	65.6	3 965.0
October	1 679.9	1 678.1	2 459.3	2 461.3	155.1	155.7	5.9	6.0	65.9	65.9	3 969.5
November	1 690.4	1 689.9	2 466.1	2 465.5	155.8	154.0	5.9	5.9	66.0	65.9	3 974.1
December	1 699.2	1 702.9	2 471.0	2 461.7	157.4	157.3	6.0	6.0	66.0	65.8	3 978.6
2018											
January	1 704.6	1 704.0	2 474.1	2 483.5	159.5	160.8	6.1	6.1	66.1	66.3	3 985.8
February	1 705.5	1 713.2	2 475.8	2 480.7	161.1	162.2	6.1	6.1	66.0	66.2	3 993.0
March	1 703.0	1 706.1	2 476.7	2 477.4	162.3	159.2	6.1	6.0	66.0	65.9	4 000.2
April	1 699.4	1 699.4	2 477.9	2 469.3	162.9	171.5	6.2	6.5	65.9	65.9	4 006.5
May	1 697.1	1 684.4	2 479.7	2 474.1	162.9	163.7	6.2	6.2	65.9	65.7	4 012.8
June	1 697.8	1 691.8	2 482.2	2 487.6	162.6	157.9	6.1	6.0	65.8	65.8	4 019.1
July	1 701.4	1 701.6	2 485.3	2 485.4	162.3	162.2	6.1	6.1	65.8	65.8	4 024.3
August	1 706.7	1 713.5	2 488.3	2 496.4	162.2	168.6	6.1	6.3	65.8	66.1	4 029.5
September	1 712.2	1 713.7	2 490.2	2 484.7	162.5	158.1	6.1	6.0	65.8	65.5	4 034.8
MALES											
September 2015	1 036.1	1 043.4	1 245.7	1 248.0	88.8	89.0	6.7	6.7	71.0	71.1	1 880.7
September 2016	1 021.6	1 010.8	1 241.6	1 240.7	80.2	80.4	6.1	6.1	69.3	69.3	1 907.0
2017											
September	1 048.6	1 046.9	1 283.9	1 282.6	83.9	82.9	6.1	6.1	70.5	70.4	1 939.3
October	1 052.6	1 050.3	1 287.0	1 284.0	84.1	81.9	6.1	6.0	70.6	70.4	1 941.1
November	1 056.5	1 058.1	1 289.9	1 292.6	84.4	84.9	6.1	6.2	70.7	70.9	1 943.0
December	1 059.6	1 061.7	1 292.1	1 288.3	84.9	87.1	6.2	6.3	70.8	70.7	1 944.8
2018											
January	1 061.1	1 060.7	1 293.6	1 296.8	85.0	86.4	6.2	6.2	70.8	71.0	1 948.3
February	1 060.7	1 062.7	1 294.7	1 296.9	84.7	82.9	6.1	6.0	70.7	70.7	1 951.7
March	1 059.0	1 058.8	1 295.8	1 295.1	84.1	83.2	6.1	6.0	70.6	70.5	1 955.2
April	1 056.8	1 058.9	1 296.9	1 294.7	83.5	89.4	6.0	6.5	70.5	70.7	1 958.2
May	1 055.4	1 052.6	1 298.4	1 295.4	83.2	82.9	6.0	6.0	70.5	70.3	1 961.2
June	1 055.5	1 052.0	1 300.2	1 302.0	83.2	81.1	6.0	5.9	70.5	70.4	1 964.2
July	1 057.0	1 054.9	1 302.0	1 303.0	83.5	84.1	6.0	6.1	70.5	70.5	1 966.3
August	1 059.5	1 063.1	1 303.6	1 307.5	83.9	85.8	6.0	6.2	70.5	70.8	1 968.5
September	1 062.3	1 063.0	1 304.7	1 301.8	84.4	83.3	6.1	6.0	70.5	70.3	1 970.6
FEMALES											
September 2015	607.4	604.3	1 114.1	1 113.5	67.5	68.7	5.7	5.8	60.5	60.5	1 954.4
September 2016	603.9	597.0	1 104.6	1 104.2	72.0	76.3	6.1	6.5	59.2	59.4	1 987.2
2017											
September	621.5	621.3	1 167.2	1 166.5	71.5	70.3	5.8	5.7	61.2	61.1	2 025.7
October	627.3	627.7	1 172.3	1 177.3	71.1	73.8	5.7	5.9	61.3	61.7	2 028.4
November	633.8	631.8	1 176.3	1 173.0	71.3	69.1	5.7	5.6	61.4	61.2	2 031.1
December	639.6	641.2	1 179.0	1 173.4	72.5	70.2	5.8	5.6	61.5	61.1	2 033.8
2018											
January	643.5	643.3	1 180.5	1 186.6	74.4	74.4	5.9	5.9	61.6	61.9	2 037.5
February	644.7	650.5	1 181.0	1 183.8	76.4	79.3	6.1	6.3	61.6	61.9	2 041.2
March	644.0	647.3	1 181.0	1 182.3	78.2	76.0	6.2	6.0	61.6	61.5	2 045.0
April	642.6	640.5	1 181.0	1 174.6	79.4	82.2	6.3	6.5	61.5	61.4	2 048.3
May	641.7	631.8	1 181.3	1 178.7	79.8	80.8	6.3	6.4	61.5	61.4	2 051.6
June	642.3	639.9	1 182.0	1 185.6	79.4	76.8	6.3	6.1	61.4	61.4	2 054.9
July	644.3	646.7	1 183.3	1 182.4	78.7	78.2	6.2	6.2	61.3	61.3	2 058.0
August	647.2	650.4	1 184.7	1 188.9	78.3	82.8	6.2	6.5	61.3	61.7	2 061.1
September	649.9	650.7	1 185.5	1 182.9	78.1	74.8	6.2	5.9	61.2	60.9	2 064.2

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER)—South Australia

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	523.4	526.3	805.1	799.9	66.9	66.4	7.7	7.7	62.3	61.9	1 398.9
September 2016	525.0	523.6	814.2	813.3	58.9	59.4	6.7	6.8	62.0	62.0	1 407.6
2017											
September	536.9	530.3	828.1	829.0	51.8	51.4	5.9	5.8	62.1	62.1	1 417.0
October	537.7	538.4	829.3	827.1	51.7	50.9	5.9	5.8	62.2	61.9	1 417.5
November	538.9	546.4	830.9	829.2	52.3	54.0	5.9	6.1	62.3	62.3	1 418.0
December	540.4	537.4	833.2	830.8	53.0	52.5	6.0	5.9	62.4	62.3	1 418.5
2018											
January	542.1	542.6	836.0	837.6	53.3	53.2	6.0	6.0	62.6	62.7	1 420.0
February	543.4	549.8	838.7	844.1	53.0	55.9	5.9	6.2	62.7	63.3	1 421.5
March	544.2	544.3	841.1	838.6	52.3	49.8	5.9	5.6	62.8	62.4	1 423.1
April	544.4	544.1	842.5	841.8	51.5	52.6	5.8	5.9	62.8	62.8	1 423.6
May	544.1	543.6	842.8	845.0	50.8	50.1	5.7	5.6	62.7	62.8	1 424.2
June	543.6	545.5	842.2	843.3	50.2	48.2	5.6	5.4	62.6	62.6	1 424.8
July	543.1	540.1	841.1	844.2	49.8	50.6	5.6	5.7	62.5	62.8	1 425.5
August	543.0	544.2	840.0	835.8	49.5	50.5	5.6	5.7	62.4	62.1	1 426.2
September	543.1	540.6	839.0	835.6	49.3	48.6	5.6	5.5	62.3	62.0	1 427.0
MALES											
September 2015	339.1	341.4	423.3	422.7	38.6	39.3	8.4	8.5	67.4	67.4	685.2
September 2016	336.1	334.8	426.7	424.3	32.6	33.4	7.1	7.3	66.7	66.4	689.2
2017											
September	353.0	352.2	441.0	442.3	25.4	25.0	5.4	5.4	67.3	67.4	693.4
October	353.8	356.5	441.7	441.6	25.9	25.8	5.5	5.5	67.4	67.4	693.5
November	354.2	354.7	442.1	442.2	26.7	27.3	5.7	5.8	67.6	67.7	693.7
December	354.0	352.6	442.2	440.4	27.6	26.3	5.9	5.6	67.7	67.3	693.9
2018											
January	353.4	353.9	442.3	442.4	28.3	29.5	6.0	6.3	67.7	67.9	694.6
February	352.7	353.8	442.5	444.3	28.7	30.3	6.1	6.4	67.8	68.2	695.4
March	352.1	350.3	442.9	441.8	28.7	27.6	6.1	5.9	67.8	67.4	696.1
April	351.8	351.9	443.2	443.5	28.5	28.0	6.0	5.9	67.7	67.7	696.4
May	351.8	351.3	443.4	441.8	28.1	28.2	6.0	6.0	67.7	67.5	696.6
June	352.1	354.1	443.5	444.7	27.6	28.2	5.9	6.0	67.6	67.9	696.8
July	352.7	350.9	443.4	445.0	27.1	27.5	5.8	5.8	67.5	67.8	697.2
August	353.4	352.6	443.3	440.2	26.7	26.4	5.7	5.7	67.4	66.9	697.6
September	354.0	355.2	443.3	442.7	26.4	25.7	5.6	5.5	67.3	67.1	698.0
FEMALES											
September 2015	184.3	184.9	381.9	377.2	28.3	27.1	6.9	6.7	57.5	56.6	713.7
September 2016	188.9	188.8	387.6	389.0	26.3	26.0	6.3	6.3	57.6	57.8	718.5
2017											
September	183.9	178.0	387.1	386.8	26.4	26.4	6.4	6.4	57.2	57.1	723.6
October	183.9	181.9	387.6	385.5	25.9	25.1	6.3	6.1	57.1	56.7	723.9
November	184.7	191.7	388.8	387.1	25.6	26.7	6.2	6.5	57.2	57.1	724.3
December	186.4	184.8	391.0	390.4	25.4	26.2	6.1	6.3	57.4	57.5	724.6
2018											
January	188.6	188.7	393.7	395.2	25.0	23.7	6.0	5.6	57.7	57.7	725.4
February	190.7	196.0	396.3	399.8	24.3	25.6	5.8	6.0	57.9	58.6	726.2
March	192.1	194.0	398.3	396.8	23.6	22.2	5.6	5.3	58.1	57.6	726.9
April	192.6	192.2	399.3	398.4	23.0	24.6	5.4	5.8	58.1	58.2	727.3
May	192.3	192.3	399.4	403.2	22.7	21.9	5.4	5.1	58.0	58.4	727.6
June	191.5	191.4	398.7	398.6	22.6	20.0	5.4	4.8	57.9	57.5	728.0
July	190.5	189.1	397.7	399.2	22.7	23.1	5.4	5.5	57.7	58.0	728.3
August	189.7	191.6	396.6	395.6	22.8	24.1	5.4	5.7	57.6	57.6	728.6
September	189.2	185.5	395.7	392.9	22.9	22.9	5.5	5.5	57.4	57.0	729.0

# LABOUR FORCE STATUS (AGED 15 YEARS AND OVER)—Western Australia

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	924.1	925.8	1 320.4	1 316.3	86.6	83.0	6.2	5.9	68.6	68.2	2 051.8
September 2016	869.5	861.6	1 296.9	1 287.9	90.2	82.9	6.5	6.0	67.3	66.5	2 062.7
2017											
September	908.3	908.4	1 334.1	1 332.7	81.3	81.0	5.7	5.7	68.2	68.1	2 076.7
October	906.5	896.1	1 335.9	1 326.0	82.5	84.2	5.8	6.0	68.3	67.9	2 077.5
November	904.0	906.3	1 337.0	1 335.6	83.5	94.3	5.9	6.6	68.3	68.8	2 078.3
December	901.4	905.8	1 337.4	1 342.0	84.5	81.9	5.9	5.8	68.4	68.5	2 079.1
2018											
January	899.1	896.2	1 337.5	1 335.4	85.8	81.8	6.0	5.8	68.4	68.1	2 081.2
February	897.5	898.9	1 337.6	1 333.2	87.3	85.4	6.1	6.0	68.4	68.1	2 083.3
March	897.4	891.0	1 338.0	1 334.0	88.6	97.8	6.2	6.8	68.4	68.7	2 085.3
April	899.2	892.6	1 338.8	1 342.2	89.5	92.1	6.3	6.4	68.5	68.7	2 086.3
May	902.8	907.8	1 340.2	1 340.7	89.7	90.5	6.3	6.3	68.5	68.6	2 087.3
June	907.3	902.4	1 342.0	1 344.0	89.2	87.0	6.2	6.1	68.5	68.5	2 088.3
July	911.9	914.6	1 343.9	1 341.0	88.2	85.6	6.2	6.0	68.5	68.3	2 089.7
August	915.8	915.7	1 345.7	1 345.5	87.3	91.9	6.1	6.4	68.6	68.7	2 091.1
September	919.2	922.6	1 347.5	1 348.6	86.8	86.5	6.1	6.0	68.5	68.6	2 092.5
MALES											
September 2015	617.2	620.4	732.7	732.9	49.4	46.2	6.3	5.9	76.3	76.0	1 025.8
September 2016	576.6	571.9	704.3	696.9	47.4	49.4	6.3	6.6	73.1	72.5	1 029.1
2017											
September	594.8	598.5	725.6	726.4	44.0	43.8	5.7	5.7	74.5	74.5	1 033.9
October	593.6	593.4	725.3	725.7	44.7	45.0	5.8	5.8	74.5	74.5	1 034.2
November	591.8	591.0	724.3	723.7	45.2	54.9	5.9	7.0	74.4	75.3	1 034.4
December	590.0	594.7	722.8	725.5	45.8	43.7	6.0	5.7	74.3	74.3	1 034.6
2018											
January	588.9	584.8	721.5	716.1	46.7	46.3	6.1	6.1	74.2	73.6	1 035.6
February	588.8	588.5	720.7	719.3	48.0	46.5	6.2	6.1	74.2	73.9	1 036.5
March	590.0	586.6	720.9	718.7	49.4	56.1	6.4	7.2	74.3	74.7	1 037.5
April	592.1	594.7	721.9	722.6	50.5	50.8	6.5	6.6	74.4	74.5	1 037.8
May	594.7	599.4	723.7	725.8	51.0	52.8	6.6	6.8	74.6	75.0	1 038.1
June	597.1	592.9	725.8	724.6	50.7	50.6	6.5	6.5	74.8	74.7	1 038.4
July	599.1	602.0	727.9	728.4	49.7	49.5	6.4	6.4	74.9	74.9	1 038.9
August	600.6	599.4	729.8	729.4	48.4	49.3	6.2	6.3	74.9	74.9	1 039.4
September	601.9	602.3	731.4	731.6	47.3	45.9	6.1	5.9	74.9	74.8	1 039.9
FEMALES											
September 2015	306.9	305.3	587.7	583.3	37.1	36.8	5.9	5.9	60.9	60.4	1 026.0
September 2016	292.9	289.7	592.6	591.1	42.8	33.4	6.7	5.4	61.5	60.4	1 033.7
2017											
September	313.5	309.9	608.5	606.3	37.3	37.2	5.8	5.8	62.0	61.7	1 042.8
October	312.9	302.7	610.6	600.3	37.8	39.2	5.8	6.1	62.2	61.3	1 043.4
November	312.3	315.3	612.8	611.8	38.3	39.5	5.9	6.1	62.4	62.4	1 043.9
December	311.4	311.2	614.6	616.5	38.7	38.3	5.9	5.8	62.5	62.7	1 044.5
2018											
January	310.2	311.4	616.0	619.3	39.1	35.6	6.0	5.4	62.6	62.6	1 045.6
February	308.7	310.4	616.9	613.9	39.3	38.8	6.0	6.0	62.7	62.4	1 046.7
March	307.4	304.4	617.1	615.3	39.2	41.7	6.0	6.3	62.6	62.7	1 047.8
April	307.1	297.9	616.9	619.6	39.0	41.3	5.9	6.2	62.6	63.0	1 048.5
May	308.1	308.4	616.5	614.9	38.7	37.6	5.9	5.8	62.4	62.2	1 049.3
June	310.2	309.5	616.2	619.4	38.5	36.4	5.9	5.6	62.4	62.5	1 050.0
July	312.7	312.6	616.0	612.6	38.5	36.2	5.9	5.6	62.3	61.7	1 050.8
August	315.2	316.3	615.9	616.1	38.9	42.6	5.9	6.5	62.3	62.6	1 051.7
September	317.3	320.3	616.2	617.0	39.5	40.5	6.0	6.2	62.3	62.5	1 052.6

	EMPLOYED FULL-TIME		EMPLOYED TOTAL		UNEMPLOYED TOTAL		UNEMPLOYMENT RATE		PARTICIPATION RATE		CIVILIAN POPULATION AGED 15 YEARS AND OVER
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	'000	'000	'000	%	%	%	%	'000
PERSONS											
September 2015	155.8	157.0	241.6	241.8	16.7	15.3	6.4	6.0	61.1	60.9	422.3
September 2016	153.0	155.0	237.4	240.4	16.1	16.6	6.5	6.5	59.7	60.5	424.9
2017											
September	154.0	153.4	247.7	249.4	15.4	14.8	5.9	5.6	61.2	61.5	430.0
October	153.6	152.6	247.8	245.5	15.5	15.9	5.9	6.1	61.2	60.8	430.3
November	153.6	155.9	248.0	248.0	15.6	15.2	5.9	5.8	61.2	61.1	430.7
December	154.1	155.0	248.2	248.7	15.7	16.3	5.9	6.1	61.2	61.5	431.1
2018											
January	154.9	154.0	248.6	248.8	15.7	13.9	5.9	5.3	61.2	60.9	431.7
February	155.8	155.5	248.9	248.2	15.8	15.8	6.0	6.0	61.2	61.1	432.2
March	156.7	157.3	249.3	249.2	15.8	16.2	6.0	6.1	61.3	61.3	432.8
April	157.2	156.6	249.6	247.6	15.9	15.8	6.0	6.0	61.3	60.8	433.1
May	157.3	158.8	249.8	248.1	15.9	17.5	6.0	6.6	61.3	61.3	433.4
June	157.1	157.9	249.9	250.1	15.9	15.4	6.0	5.8	61.3	61.2	433.7
July	156.7	155.4	249.8	250.1	15.8	16.9	6.0	6.3	61.2	61.5	434.1
August	156.2	156.3	249.6	249.9	15.8	15.3	5.9	5.8	61.1	61.0	434.5
September	155.9	155.2	249.3	248.5	15.7	15.2	5.9	5.8	60.9	60.6	434.9
MALES											
September 2015	101.5	102.3	128.4	128.5	9.1	7.7	6.4	5.6	66.3	65.8	206.9
September 2016	101.8	102.8	126.0	126.9	8.7	8.9	6.6	6.6	64.9	65.3	208.0
2017											
September	99.9	99.5	128.0	127.6	8.7	8.4	6.5	6.2	65.0	64.7	210.4
October	99.3	98.9	127.7	125.9	8.8	9.4	6.5	6.9	64.9	64.2	210.6
November	99.0	98.8	127.5	127.3	8.9	9.0	6.5	6.6	64.7	64.6	210.9
December	99.0	99.7	127.5	127.7	8.9	8.6	6.5	6.3	64.6	64.6	211.1
2018											
January	99.4	98.9	127.7	128.3	8.9	7.2	6.5	5.3	64.6	64.1	211.3
February	99.9	99.6	127.9	127.5	8.9	8.5	6.5	6.2	64.6	64.2	211.6
March	100.5	101.1	128.2	127.9	8.8	9.3	6.4	6.8	64.7	64.8	211.9
April	101.0	100.0	128.6	126.2	8.6	8.7	6.4	6.5	64.8	63.7	212.0
May	101.2	102.1	129.0	129.1	8.5	9.8	6.3	7.0	64.9	65.5	212.2
June	101.2	102.2	129.4	129.5	8.3	8.3	6.1	6.0	64.9	64.9	212.3
July	101.0	100.3	129.8	130.3	8.1	8.7	5.9	6.3	64.9	65.4	212.5
August	100.6	101.0	130.0	129.9	7.9	7.7	5.7	5.6	64.8	64.7	212.7
September	100.2	99.3	130.0	129.8	7.7	7.1	5.5	5.2	64.7	64.3	212.8
FEMALES											
September 2015	54.3	54.6	113.2	113.3	7.6	7.7	6.4	6.3	56.1	56.2	215.4
September 2016	51.2	52.2	111.4	113.5	7.4	7.7	6.3	6.4	54.8	55.9	217.0
2017											
September	54.1	53.9	119.7	121.7	6.7	6.4	5.2	5.0	57.6	58.4	219.5
October	54.4	53.8	120.1	119.6	6.7	6.6	5.2	5.2	57.6	57.4	219.7
November	54.6	57.1	120.4	120.8	6.7	6.2	5.2	4.9	57.7	57.8	219.9
December	55.0	55.3	120.7	121.1	6.7	7.7	5.2	6.0	57.9	58.5	220.0
2018											
January	55.5	55.1	120.9	120.5	6.8	6.7	5.3	5.3	58.0	57.7	220.3
February	55.9	55.9	121.1	120.8	6.9	7.3	5.4	5.7	58.0	58.0	220.6
March	56.2	56.2	121.1	121.3	7.1	6.9	5.5	5.4	58.0	58.0	221.0
April	56.2	56.6	121.0	121.4	7.2	7.0	5.7	5.5	58.0	58.1	221.1
May	56.1	56.7	120.8	118.9	7.4	7.7	5.8	6.1	57.9	57.2	221.3
June	55.9	55.7	120.5	120.7	7.6	7.1	5.9	5.6	57.8	57.7	221.5
July	55.7	55.1	120.0	119.8	7.7	8.2	6.0	6.4	57.7	57.7	221.6
August	55.6	55.3	119.6	119.9	7.9	7.7	6.2	6.0	57.5	57.5	221.8
September	55.7	55.9	119.3	118.7	8.0	8.1	6.3	6.4	57.3	57.1	222.0

	EMPLOYED FULL-TIME Trend '000	EMPLOYED TOTAL Trend '000	UNEMPLOYED TOTAL Trend '000	UNEMPLOYMENT RATE Trend %	PARTICIPATION RATE Trend %	CIVILIAN POPULATION AGED 15 YEARS AND OVER Original '000
PERSONS						
September 2015	109.6	135.9	6.2	4.4	76.2	186.7
September 2016	109.4	136.7	5.0	3.5	75.5	187.8
2017						
September	107.0	135.6	5.8	4.2	74.9	189.1
October	107.4	136.0	6.0	4.4	75.3	188.9
November	107.7	136.6	6.1	4.5	75.7	188.8
December	107.8	137.0	6.2	4.5	76.0	188.6
2018						
January	108.0	137.4	6.2	4.4	76.1	188.7
February	108.4	137.8	6.2	4.3	76.3	188.8
March	109.3	138.4	6.1	4.2	76.4	188.9
April	110.3	138.8	6.0	4.1	76.4	189.3
May	111.3	139.1	5.9	4.1	76.4	189.7
June	111.9	139.0	5.9	4.0	76.3	190.1
July	112.0	138.6	5.9	4.0	76.0	190.1
August	111.5	138.0	5.9	4.0	75.7	190.1
September	110.8	137.2	5.9	4.1	75.3	190.1
MALES						
September 2015	64.2	73.1	3.3	4.3	80.3	95.2
September 2016	63.9	72.9	2.9	3.9	79.7	95.2
2017						
September	63.0	72.3	3.1	4.3	79.0	95.7
October	63.3	72.6	3.2	4.4	79.5	95.6
November	63.5	73.0	3.3	4.5	80.1	95.5
December	63.7	73.4	3.4	4.5	80.6	95.3
2018						
January	63.8	73.6	3.4	4.5	80.8	95.4
February	64.0	73.7	3.4	4.4	80.8	95.5
March	64.2	73.8	3.4	4.4	80.7	95.5
April	64.3	73.8	3.4	4.4	80.5	95.9
May	64.3	73.7	3.4	4.4	80.2	96.2
June	64.2	73.5	3.4	4.4	79.8	96.5
July	63.8	73.2	3.4	4.4	79.4	96.4
August	63.4	72.8	3.4	4.4	79.0	96.4
September	62.9	72.4	3.5	4.5	78.6	96.3
FEMALES						
September 2015	45.4	62.8	2.9	4.5	71.9	91.5
September 2016	45.5	63.9	2.1	3.1	71.2	92.6
2017						
September	44.1	63.3	2.7	4.1	70.7	93.4
October	44.1	63.4	2.7	4.4	71.1	93.3
November	44.1	63.6	2.8	4.4	71.3	93.3
December	44.1	63.7	2.8	4.4	71.3	93.3
2018						
January	44.1	63.8	2.8	4.2	71.4	93.3
February	44.4	64.1	2.8	4.1	71.6	93.3
March	45.1	64.5	2.7	3.9	72.0	93.3
April	46.0	65.0	2.6	3.8	72.3	93.4
May	47.0	65.4	2.6	3.7	72.6	93.5
June	47.8	65.5	2.5	3.7	72.6	93.6
July	48.2	65.4	2.5	3.6	72.5	93.7
August	48.2	65.2	2.5	3.5	72.2	93.7
September	47.9	64.8	2.5	3.6	71.9	93.8

	EMPLOYED FULL-TIME .....	EMPLOYED TOTAL .....	UNEMPLOYED TOTAL .....	UNEMPLOYMENT RATE .....	PARTICIPATION RATE .....	CIVILIAN POPULATION AGED 15 YEARS AND OVER .....
	<i>Trend</i>	<i>Trend</i>	<i>Trend</i>	<i>Trend</i>	<i>Trend</i>	<i>Original</i>
	'000	'000	'000	%	%	'000
PERSONS						
September 2015	155.0	213.3	11.0	5.0	70.4	319.0
September 2016	161.0	219.6	8.2	3.6	70.4	323.8
2017						
September	164.7	227.9	9.5	4.0	71.9	330.3
October	166.4	229.5	9.6	4.0	72.3	330.8
November	168.0	230.6	9.6	4.0	72.5	331.2
December	169.0	231.1	9.5	4.0	72.6	331.7
2018						
January	169.4	231.0	9.5	4.0	72.4	332.5
February	169.2	230.4	9.4	4.0	72.0	333.2
March	168.6	229.6	9.2	3.9	71.6	333.9
April	167.8	228.8	9.1	3.8	71.2	334.3
May	166.9	228.4	8.9	3.7	70.9	334.6
June	166.1	228.2	8.8	3.7	70.7	335.0
July	165.5	228.4	8.7	3.7	70.7	335.5
August	165.0	228.7	8.6	3.7	70.6	336.0
September	164.6	228.9	8.5	3.6	70.6	336.5
MALES						
September 2015	87.9	107.8	6.1	5.4	73.3	155.7
September 2016	92.3	112.0	4.3	3.7	73.7	157.7
2017						
September	96.0	115.3	5.4	4.5	75.1	160.8
October	96.8	116.2	5.4	4.5	75.6	161.0
November	97.5	116.9	5.4	4.5	75.9	161.3
December	97.9	117.4	5.3	4.5	76.1	161.5
2018						
January	98.1	117.6	5.2	4.4	76.0	161.8
February	98.1	117.4	5.1	4.2	75.6	162.1
March	98.0	117.0	4.9	4.0	75.1	162.4
April	97.8	116.7	4.7	3.8	74.6	162.6
May	97.5	116.5	4.5	3.6	74.3	162.7
June	97.2	116.7	4.3	3.5	74.2	162.8
July	97.0	117.1	4.1	3.4	74.3	163.1
August	96.8	117.6	4.0	3.3	74.3	163.4
September	96.5	117.9	3.9	3.3	74.5	163.6
FEMALES						
September 2015	67.1	105.6	4.9	4.5	67.7	163.4
September 2016	68.7	107.7	3.9	3.5	67.2	166.1
2017						
September	68.7	112.6	4.1	3.5	68.8	169.4
October	69.6	113.3	4.1	3.5	69.1	169.7
November	70.5	113.7	4.2	3.5	69.3	170.0
December	71.1	113.7	4.2	3.6	69.2	170.3
2018						
January	71.3	113.4	4.2	3.6	68.9	170.7
February	71.1	113.0	4.3	3.7	68.6	171.1
March	70.6	112.6	4.4	3.7	68.2	171.5
April	70.0	112.2	4.4	3.8	67.9	171.7
May	69.4	111.8	4.5	3.8	67.6	171.9
June	68.9	111.5	4.5	3.9	67.4	172.1
July	68.5	111.3	4.6	4.0	67.3	172.4
August	68.2	111.1	4.6	4.0	67.1	172.6
September	68.1	111.0	4.6	4.0	66.9	172.9



	EMPLOYED				UNEMPLOYED				LABOUR FORCE
	Full-time	Part-time	Total	Employment to population ratio	Looked for full-time work	Looked for part-time work only	Total	Unemployment rate	Participation rate
	'000	'000	'000	%	'000	'000	'000	%	%
PERSONS									
September 2015	875.9	969.4	1 852.5	58.9	153.3	114.2	269.9	12.8	67.1
September 2016	826.5	1 008.8	1 836.7	58.0	154.7	115.3	272.5	12.9	66.5
2017									
September	847.3	1 028.7	1 879.9	58.8	149.8	120.4	267.9	12.5	67.0
October	849.4	1 032.9	1 885.1	58.9	149.3	120.0	266.0	12.4	67.2
November	854.0	1 034.1	1 888.9	59.0	148.8	119.4	265.5	12.3	67.3
December	860.3	1 033.5	1 892.4	59.1	148.2	118.7	266.9	12.3	67.4
2018									
January	865.7	1 033.7	1 897.3	59.1	147.4	117.9	268.9	12.4	67.5
February	869.1	1 036.4	1 903.8	59.3	146.4	117.2	269.5	12.4	67.6
March	869.5	1 042.8	1 911.3	59.4	145.1	116.4	267.5	12.3	67.6
April	867.8	1 051.6	1 918.6	59.6	143.6	115.8	262.9	12.1	67.7
May	866.0	1 060.3	1 924.9	59.8	141.9	115.3	257.1	11.8	67.8
June	865.8	1 066.4	1 929.6	59.9	140.1	115.0	252.0	11.6	67.8
July	867.0	1 068.3	1 932.1	59.9	138.4	115.0	248.4	11.4	67.9
August	869.1	1 067.0	1 932.8	60.0	136.8	115.1	247.1	11.2	67.9
September	871.6	1 064.0	1 932.4	60.0	135.6	115.4	247.6	11.2	67.9
MALES									
September 2015	525.2	409.2	934.4	58.2	92.8	57.9	150.8	13.8	67.5
September 2016	485.9	444.2	930.1	57.6	94.7	56.1	150.8	14.0	67.0
2017									
September	503.4	447.0	950.4	58.2	89.6	61.4	151.0	13.7	67.4
October	503.6	447.8	951.3	58.2	89.8	60.9	150.7	13.6	67.4
November	506.0	447.3	953.3	58.3	89.9	60.3	150.3	13.6	67.5
December	510.5	446.0	956.5	58.5	89.9	59.9	149.8	13.6	67.7
2018									
January	515.7	444.5	960.1	58.6	89.7	59.4	149.1	13.5	67.8
February	520.2	443.2	963.4	58.7	89.2	59.1	148.3	13.4	67.8
March	523.4	443.0	966.3	58.8	88.4	58.9	147.3	13.3	67.8
April	525.4	443.7	969.1	58.9	87.2	58.8	146.1	13.1	67.8
May	526.8	445.2	972.0	59.1	85.9	58.9	144.7	13.0	67.9
June	528.2	447.0	975.3	59.2	84.3	59.0	143.3	12.8	67.9
July	530.1	448.5	978.6	59.4	82.7	59.3	142.0	12.7	68.0
August	532.3	449.6	981.9	59.6	81.3	59.6	140.9	12.5	68.1
September	534.4	450.0	984.4	59.7	80.1	60.0	140.1	12.4	68.2
FEMALES									
September 2015	350.6	560.2	910.9	59.1	60.5	56.3	116.8	11.5	66.8
September 2016	340.7	564.6	905.3	58.3	60.0	59.2	119.2	11.6	66.0
2017									
September	343.9	581.7	925.5	59.1	60.2	59.0	119.2	11.4	66.7
October	345.8	585.1	930.9	59.4	59.5	59.1	118.6	11.2	66.9
November	348.0	586.8	934.8	59.6	58.9	59.1	118.0	11.1	67.1
December	349.8	587.5	937.3	59.8	58.3	58.9	117.1	11.1	67.2
2018									
January	350.1	589.3	939.3	59.8	57.7	58.5	116.2	11.1	67.3
February	349.0	593.1	942.1	60.0	57.2	58.0	115.2	11.0	67.4
March	346.1	599.8	946.0	60.1	56.8	57.5	114.2	10.9	67.5
April	342.4	607.9	950.3	60.4	56.4	56.9	113.3	10.7	67.6
May	339.3	615.1	954.3	60.6	56.0	56.4	112.5	10.5	67.7
June	337.5	619.4	956.9	60.7	55.8	56.0	111.8	10.4	67.7
July	336.9	619.8	956.8	60.7	55.6	55.7	111.3	10.3	67.7
August	336.8	617.4	954.2	60.7	55.5	55.5	111.0	10.3	67.7
September	337.2	614.0	951.2	60.6	55.5	55.4	110.9	10.4	67.6

	EMPLOYED				UNEMPLOYED				LABOUR FORCE
	Full-time	Part-time	Total	Employment to population ratio	Looked for full-time work	Looked for part-time work only	Total	Unemployment rate	Participation rate
	'000	'000	'000	%	'000	'000	'000	%	%
PERSONS									
September 2015	872.5	963.9	1 842.8	58.5	157.6	110.9	268.7	12.8	66.8
September 2016	819.3	1 016.3	1 843.3	58.1	153.7	112.6	266.2	12.7	66.2
2017									
September	845.0	1 050.1	1 901.2	59.3	150.2	119.6	270.8	12.5	67.5
October	843.3	1 032.7	1 877.9	58.6	150.7	107.1	258.0	12.1	66.6
November	847.4	1 043.2	1 894.4	59.2	147.0	117.3	265.7	12.3	67.4
December	861.4	1 033.7	1 890.4	59.1	147.4	119.2	264.6	12.2	67.6
2018									
January	871.9	1 031.7	1 894.3	59.1	143.0	125.1	268.1	12.3	67.8
February	891.4	1 011.5	1 903.5	59.2	165.4	121.1	285.7	13.0	68.1
March	873.5	1 036.3	1 909.6	59.3	165.6	108.0	269.3	12.3	67.8
April	865.7	1 053.6	1 915.6	59.5	144.9	131.7	274.4	12.5	68.2
May	859.0	1 070.3	1 934.0	60.1	141.4	106.5	252.5	11.6	67.6
June	861.6	1 073.4	1 951.7	60.6	132.5	113.2	246.4	11.3	67.8
July	873.2	1 051.0	1 928.3	59.9	134.6	105.9	241.0	11.1	67.2
August	864.2	1 074.5	1 935.0	60.0	139.6	117.3	255.7	11.6	68.1
September	877.8	1 049.1	1 931.2	59.9	132.0	116.1	248.7	11.4	67.4
MALES									
September 2015	525.6	404.2	929.8	57.8	94.7	56.0	150.7	13.9	67.2
September 2016	485.5	443.6	929.1	57.5	95.6	52.4	148.0	13.7	66.6
2017									
September	503.6	448.3	951.9	58.2	87.8	65.0	152.8	13.8	67.5
October	500.3	445.2	945.5	57.9	88.3	52.5	140.9	13.0	66.5
November	505.1	452.3	957.4	58.6	91.4	56.5	147.9	13.4	67.7
December	510.7	441.5	952.2	58.4	91.6	63.3	154.9	14.0	67.9
2018									
January	516.2	449.1	965.3	59.0	84.5	62.1	146.6	13.2	67.9
February	538.5	428.7	967.2	58.9	93.7	58.7	152.4	13.6	68.2
March	524.7	439.7	964.4	58.6	99.0	54.8	153.8	13.8	67.9
April	530.3	444.2	974.5	59.2	88.9	69.0	157.9	13.9	68.8
May	524.5	445.7	970.3	59.0	85.2	51.4	136.6	12.3	67.3
June	523.4	447.1	970.5	59.0	85.5	61.4	146.9	13.1	67.9
July	530.2	449.0	979.2	59.5	80.4	58.9	139.3	12.5	67.9
August	533.1	453.5	986.6	59.9	82.6	63.3	145.9	12.9	68.7
September	536.4	445.7	982.2	59.6	78.3	56.6	134.9	12.1	67.7
FEMALES									
September 2015	346.9	559.7	906.6	58.7	62.9	55.0	117.9	11.5	66.4
September 2016	333.8	572.7	906.5	58.3	58.0	60.3	118.3	11.5	65.9
2017									
September	341.4	601.8	943.2	60.1	62.5	54.5	117.0	11.0	67.6
October	343.1	587.5	930.6	59.4	62.4	54.5	116.9	11.2	66.8
November	342.3	590.8	933.2	59.6	55.6	60.8	116.4	11.1	67.0
December	350.8	592.2	943.0	60.3	55.8	55.9	111.7	10.6	67.4
2018									
January	355.8	582.6	938.3	59.8	58.5	63.0	121.5	11.5	67.6
February	353.0	582.8	935.8	59.5	71.8	62.4	134.2	12.5	68.1
March	348.8	596.7	945.5	60.0	66.6	53.2	119.7	11.2	67.6
April	335.4	609.4	944.8	60.0	56.0	62.7	118.7	11.2	67.5
May	334.5	624.6	959.1	60.9	56.2	55.1	111.3	10.4	68.0
June	338.2	626.3	964.5	61.3	47.0	51.8	98.8	9.3	67.6
July	343.0	602.0	945.0	60.0	54.2	47.1	101.3	9.7	66.4
August	331.0	621.0	952.0	60.4	57.0	54.0	111.0	10.4	67.4
September	341.4	603.4	944.7	59.9	53.7	59.5	113.1	10.7	67.1

	EMPLOYED				UNEMPLOYED				LABOUR FORCE		Not in the labour force (NILF)	Civ. pop. aged 15-24
	Full-time	Part-time	Total	Emp. to pop. ratio	Looked for full-time	Looked for part-time only	Total	Unemp. rate	Total	Part. rate		
	'000	'000	'000	%	'000	'000	'000	%	'000	%	'000	'000
ATTENDING FULL-TIME EDUCATION												
<b>Persons</b>												
September 2015	42.7	636.2	678.9	40.3	20.4	97.7	118.1	14.8	797.0	47.4	885.7	1 682.7
September 2016	33.7	690.7	724.4	41.6	25.1	97.7	122.9	14.5	847.3	48.7	894.0	1 741.3
September 2017	43.4	695.4	738.8	42.7	24.9	100.4	125.2	14.5	864.0	49.9	867.9	1 731.9
September 2018	40.6	697.0	737.5	42.3	18.4	101.8	120.2	14.0	857.7	49.2	885.7	1 743.3
<b>Males</b>												
September 2015	25.8	261.3	287.1	34.9	12.3	53.1	65.4	18.5	352.5	42.9	469.2	821.6
September 2016	17.2	298.3	315.6	37.5	9.1	49.2	58.3	15.6	373.9	44.4	467.4	841.3
September 2017	26.4	303.6	330.0	38.2	14.4	59.8	74.2	18.4	404.2	46.8	460.2	864.4
September 2018	21.3	302.7	324.0	38.0	10.8	52.7	63.5	16.4	387.5	45.5	465.1	852.6
<b>Females</b>												
September 2015	17.0	374.8	391.8	45.5	8.1	44.6	52.7	11.9	444.5	51.6	416.5	861.0
September 2016	16.5	392.4	408.9	45.4	16.0	48.6	64.6	13.6	473.4	52.6	426.6	900.0
September 2017	17.0	391.7	408.8	47.1	10.5	40.6	51.0	11.1	459.8	53.0	407.7	867.5
September 2018	19.3	394.2	413.5	46.4	7.5	49.1	56.7	12.1	470.2	52.8	420.6	890.7
NOT ATTENDING FULL-TIME EDUCATION												
<b>Persons</b>												
September 2015	795.0	344.2	1 139.2	77.6	125.2	14.6	139.9	10.9	1 279.0	87.1	189.6	1 468.6
September 2016	751.9	342.2	1 094.1	76.4	116.9	15.8	132.7	10.8	1 226.8	85.7	204.8	1 431.6
September 2017	766.1	370.6	1 136.7	77.2	113.6	20.6	134.2	10.6	1 270.9	86.3	202.0	1 473.0
September 2018	800.2	367.6	1 167.8	78.7	103.0	15.0	118.0	9.2	1 285.8	86.7	197.5	1 483.3
<b>Males</b>												
September 2015	481.2	153.5	634.6	80.7	75.9	6.3	82.1	11.5	716.8	91.2	69.3	786.1
September 2016	450.8	156.1	607.0	78.2	79.7	5.9	85.5	12.3	692.5	89.3	83.3	775.8
September 2017	459.3	154.6	613.9	79.6	66.5	8.1	74.6	10.8	688.5	89.3	82.7	771.1
September 2018	496.2	152.1	648.3	81.4	61.1	6.1	67.2	9.4	715.6	89.9	80.7	796.3
<b>Females</b>												
September 2015	313.8	190.7	504.5	73.9	49.4	8.3	57.7	10.3	562.3	82.4	120.3	682.5
September 2016	301.1	186.1	487.1	74.3	37.3	9.9	47.2	8.8	534.3	81.5	121.4	655.8
September 2017	306.8	216.0	522.8	74.5	47.1	12.6	59.6	10.2	582.5	83.0	119.4	701.8
September 2018	304.0	215.5	519.5	75.6	41.9	8.8	50.7	8.9	570.2	83.0	116.8	687.0
TOTAL												
<b>Persons</b>												
September 2015	837.7	980.3	1 818.1	57.7	145.6	112.4	258.0	12.4	2 076.0	65.9	1 075.2	3 151.3
September 2016	785.6	1 032.9	1 818.5	57.3	142.1	113.5	255.6	12.3	2 074.1	65.4	1 098.7	3 172.8
September 2017	809.6	1 065.9	1 875.5	58.5	138.4	121.0	259.4	12.2	2 134.9	66.6	1 070.0	3 204.9
September 2018	840.8	1 064.5	1 905.3	59.0	121.4	116.8	238.1	11.1	2 143.4	66.4	1 083.2	3 226.7
<b>Males</b>												
September 2015	506.9	414.8	921.8	57.3	88.1	59.4	147.5	13.8	1 069.3	66.5	538.5	1 607.7
September 2016	468.1	454.5	922.5	57.0	88.8	55.0	143.8	13.5	1 066.4	65.9	550.7	1 617.1
September 2017	485.7	458.2	943.9	57.7	80.9	67.9	148.8	13.6	1 092.7	66.8	542.9	1 635.6
September 2018	517.5	454.8	972.4	59.0	72.0	58.8	130.7	11.9	1 103.1	66.9	545.8	1 648.9
<b>Females</b>												
September 2015	330.8	565.5	896.3	58.1	57.5	53.0	110.4	11.0	1 006.8	65.2	536.8	1 543.6
September 2016	317.5	578.5	896.0	57.6	53.3	58.5	111.8	11.1	1 007.7	64.8	548.0	1 555.7
September 2017	323.9	607.7	931.6	59.4	57.5	53.1	110.6	10.6	1 042.3	66.4	527.1	1 569.3
September 2018	323.3	609.7	933.0	59.1	49.4	58.0	107.4	10.3	1 040.4	65.9	537.4	1 577.7

	EMPLOYED				UNEMPLOYED				LABOUR FORCE		Not in the labour force (NILF)	Civ. pop. aged 15-24
	Full-time	Part-time	Total	Emp. to pop. ratio	Looked for full- time	Looked for part- time only	Total	Unemp. rate	Total	Part. rate		
	'000	'000	'000	%	'000	'000	'000	%	'000	%	'000	'000
ATTENDING FULL-TIME EDUCATION												
New South Wales	15.7	219.1	234.7	42.6	*5.2	23.9	29.1	11.0	263.8	47.9	287.3	551.1
Victoria	8.1	192.8	200.9	39.7	5.0	32.5	37.5	15.7	238.4	47.1	267.4	505.7
Queensland	8.8	133.9	142.6	44.5	*4.3	25.0	29.3	17.1	172.0	53.7	148.5	320.5
South Australia	*2.7	49.5	52.2	43.5	*1.2	7.2	8.4	13.9	60.6	50.5	59.4	120.0
Western Australia	*3.1	69.4	72.5	43.5	*2.2	10.2	12.4	14.6	84.9	50.9	82.0	166.9
Tasmania	*0.7	11.1	11.7	39.4	*0.2	1.9	2.0	14.9	13.8	46.3	16.0	29.8
Northern Territory	0.6	4.3	4.9	46.2	*—	*0.1	*0.1	*2.3	5.0	47.3	5.6	10.6
Australian Capital Territory	*1.0	16.9	17.9	46.2	*0.3	*1.0	*1.3	*6.8	19.2	49.6	19.5	38.6
<b>Australia</b>	<b>40.6</b>	<b>697.0</b>	<b>737.5</b>	<b>42.3</b>	<b>18.4</b>	<b>101.8</b>	<b>120.2</b>	<b>14.0</b>	<b>857.7</b>	<b>49.2</b>	<b>885.7</b>	<b>1 743.3</b>
NOT ATTENDING FULL-TIME EDUCATION												
New South Wales	265.2	113.7	378.9	80.4	30.7	*4.5	35.2	8.5	414.1	87.9	57.0	471.2
Victoria	190.8	92.5	283.3	80.5	16.7	*2.7	19.4	6.4	302.7	86.0	49.3	352.0
Queensland	175.4	79.6	255.0	76.4	28.4	*2.6	31.0	10.8	285.9	85.7	47.9	333.8
South Australia	50.0	27.7	77.7	79.7	7.3	*1.8	9.2	10.6	86.9	89.2	10.6	97.5
Western Australia	81.2	38.0	119.3	77.3	14.2	*2.7	16.9	12.4	136.2	88.2	18.2	154.3
Tasmania	15.8	8.8	24.6	72.8	3.6	*0.3	3.8	13.5	28.4	84.1	5.4	33.8
Northern Territory	9.7	2.6	12.3	60.1	1.2	*0.2	1.5	10.6	13.8	67.2	6.7	20.5
Australian Capital Territory	12.2	4.5	16.7	82.6	*0.8	*0.1	*1.0	*5.5	17.7	87.4	2.5	20.2
<b>Australia</b>	<b>800.2</b>	<b>367.6</b>	<b>1 167.8</b>	<b>78.7</b>	<b>103.0</b>	<b>15.0</b>	<b>118.0</b>	<b>9.2</b>	<b>1 285.8</b>	<b>86.7</b>	<b>197.5</b>	<b>1 483.3</b>
TOTAL												
New South Wales	280.9	332.8	613.7	60.0	35.9	28.4	64.3	9.5	678.0	66.3	344.3	1 022.3
Victoria	198.8	285.3	484.2	56.4	21.8	35.1	56.9	10.5	541.1	63.1	316.7	857.7
Queensland	184.2	213.4	397.6	60.8	32.7	27.6	60.3	13.2	457.9	70.0	196.4	654.3
South Australia	52.7	77.2	129.9	59.7	8.5	9.1	17.6	11.9	147.5	67.8	70.0	217.5
Western Australia	84.4	107.4	191.8	59.7	16.4	12.9	29.3	13.2	221.1	68.8	100.2	321.3
Tasmania	16.4	19.9	36.3	57.1	3.8	2.1	5.9	14.0	42.2	66.4	21.4	63.6
Northern Territory	10.2	7.0	17.2	55.4	1.2	0.4	1.6	8.4	18.8	60.4	12.3	31.1
Australian Capital Territory	13.2	21.4	34.6	58.8	*1.1	*1.2	2.3	6.2	36.9	62.6	22.0	58.9
<b>Australia</b>	<b>840.8</b>	<b>1 064.5</b>	<b>1 905.3</b>	<b>59.0</b>	<b>121.4</b>	<b>116.8</b>	<b>238.1</b>	<b>11.1</b>	<b>2 143.4</b>	<b>66.4</b>	<b>1 083.2</b>	<b>3 226.7</b>

\* estimate is subject to sampling variability too high for most practical purposes

— nil or rounded to zero (including null cells)

LABOUR FORCE STATUS IN SEPTEMBER 2018

	<i>Employed full-time</i>	<i>Employed part-time</i>	<i>Employed total</i>	<i>Unemployed</i>	<i>Labour force</i>	<i>Not in the labour force (NILF)</i>	<i>Total</i>
<i>Labour force status in August 2018</i>	'000	'000	'000	'000	'000	'000	'000
PERSONS							
<b>Matched sample</b>							
Employed full-time	6 393.6	324.1	6 717.7	23.9	6 741.6	107.7	6 849.4
Employed part-time	362.7	2 639.6	3 002.3	29.9	3 032.2	156.7	3 188.8
Employed total	6 756.3	2 963.7	9 720.0	53.8	9 773.8	264.4	10 038.2
Unemployed	52.8	76.6	129.4	306.0	435.4	115.0	550.5
Labour force	6 809.1	3 040.3	9 849.4	359.8	10 209.2	379.4	10 588.6
Not in the labour force (NILF)	80.4	163.7	244.1	147.7	391.8	5 008.9	5 400.7
Total	6 889.6	3 204.0	10 093.5	507.5	10 601.0	5 388.3	15 989.4
<b>Unmatched sample</b>							
Unmatched in common sample	716.0	325.3	1 041.4	69.2	1 110.5	822.6	1 933.1
Incoming rotation group	1 015.6	472.1	1 487.6	68.9	1 556.5	846.9	2 403.4
Total	1 731.6	797.4	2 529.0	138.1	2 667.0	1 669.4	4 336.5
<b>Civilian population aged 15 years and over</b>	<b>8 621.1</b>	<b>4 001.4</b>	<b>12 622.5</b>	<b>645.5</b>	<b>13 268.1</b>	<b>7 057.8</b>	<b>20 325.8</b>
MALES							
<b>Matched sample</b>							
Employed full-time	4 140.9	133.0	4 273.9	16.3	4 290.3	62.4	4 352.7
Employed part-time	153.3	767.5	920.8	12.2	933.0	58.4	991.4
Employed total	4 294.3	900.4	5 194.7	28.6	5 223.3	120.8	5 344.1
Unemployed	34.7	35.5	70.2	166.4	236.5	53.1	289.7
Labour force	4 328.9	935.9	5 264.9	194.9	5 459.8	173.9	5 633.7
Not in the labour force (NILF)	48.7	63.4	112.1	75.8	187.9	2 056.2	2 244.1
Total	4 377.6	999.3	5 376.9	270.8	5 647.7	2 230.2	7 877.9
<b>Unmatched sample</b>							
Unmatched in common sample	440.0	112.4	552.4	30.2	582.7	355.5	938.2
Incoming rotation group	634.3	143.5	777.8	36.9	814.7	347.3	1 162.0
Total	1 074.3	255.9	1 330.2	67.2	1 397.3	702.8	2 100.2
<b>Civilian population aged 15 years and over</b>	<b>5 451.9</b>	<b>1 255.2</b>	<b>6 707.1</b>	<b>337.9</b>	<b>7 045.0</b>	<b>2 933.0</b>	<b>9 978.0</b>
FEMALES							
<b>Matched sample</b>							
Employed full-time	2 252.7	191.2	2 443.8	7.6	2 451.4	45.3	2 496.7
Employed part-time	209.4	1 872.1	2 081.5	17.6	2 099.2	98.3	2 197.4
Employed total	2 462.1	2 063.3	4 525.3	25.2	4 550.5	143.6	4 694.1
Unemployed	18.1	41.1	59.2	139.7	198.9	61.9	260.8
Labour force	2 480.2	2 104.4	4 584.6	164.9	4 749.4	205.5	4 954.9
Not in the labour force (NILF)	31.8	100.3	132.0	71.8	203.9	2 952.7	3 156.6
Total	2 512.0	2 204.7	4 716.6	236.7	4 953.3	3 158.2	8 111.5
<b>Unmatched sample</b>							
Unmatched in common sample	276.0	213.0	488.9	38.9	527.9	467.1	994.9
Incoming rotation group	381.3	328.6	709.9	32.0	741.9	499.5	1 241.4
Total	657.2	541.6	1 198.8	70.9	1 269.7	966.6	2 236.3
<b>Civilian population aged 15 years and over</b>	<b>3 169.2</b>	<b>2 746.2</b>	<b>5 915.4</b>	<b>307.6</b>	<b>6 223.0</b>	<b>4 124.8</b>	<b>10 347.8</b>

	EMPLOYED TOTAL		EMPLOYED FULL-TIME		EMPLOYED PART-TIME	
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Trend</i>	<i>Seasonally adjusted</i>
	millions	millions	millions	millions	millions	millions
PERSONS						
September 2015	1 658.6	1 661.0	1 390.2	1 393.4	268.4	267.6
September 2016	1 673.3	1 670.9	1 393.2	1 386.6	280.1	284.3
2017						
September	1 724.6	1 725.0	1 438.4	1 439.0	286.2	286.0
October	1 728.3	1 730.5	1 441.4	1 443.7	286.9	286.8
November	1 731.3	1 736.5	1 443.2	1 448.6	288.0	288.0
December	1 733.4	1 733.5	1 444.0	1 443.8	289.3	289.7
2018						
January	1 734.5	1 710.8	1 443.8	1 422.5	290.7	288.3
February	1 735.5	1 734.0	1 443.6	1 442.8	291.9	291.1
March	1 737.2	1 737.7	1 444.2	1 443.9	292.9	293.9
April	1 739.8	1 758.5	1 446.0	1 465.2	293.8	293.3
May	1 743.1	1 735.1	1 448.7	1 440.8	294.5	294.3
June	1 746.6	1 746.7	1 451.5	1 450.4	295.1	296.3
July	1 749.9	1 750.6	1 454.3	1 455.5	295.6	295.1
August	1 752.9	1 751.2	1 456.9	1 455.8	296.0	295.4
September	1 755.7	1 757.5	1 459.4	1 460.9	296.3	296.6
MALES						
September 2015	999.9	1 002.4	919.2	921.4	80.7	81.0
September 2016	1 004.5	1 003.3	917.3	913.1	87.2	90.2
2017						
September	1 030.5	1 033.0	944.7	947.4	85.8	85.6
October	1 031.8	1 032.5	945.6	946.1	86.3	86.3
November	1 032.8	1 036.2	945.7	948.9	87.0	87.3
December	1 033.4	1 032.2	945.6	944.6	87.8	87.6
2018						
January	1 033.6	1 014.3	945.2	925.9	88.4	88.4
February	1 034.0	1 032.8	945.3	943.1	88.8	89.7
March	1 035.1	1 036.3	946.2	947.1	89.0	89.1
April	1 036.7	1 047.2	947.7	958.6	89.1	88.5
May	1 038.4	1 031.7	949.3	943.2	89.1	88.4
June	1 039.8	1 038.9	950.6	949.3	89.2	89.6
July	1 041.0	1 043.5	951.6	953.6	89.3	89.9
August	1 041.8	1 040.2	952.4	951.0	89.5	89.2
September	1 042.4	1 041.7	952.7	952.2	89.6	89.5
FEMALES						
September 2015	658.7	658.6	471.0	472.0	187.7	186.6
September 2016	668.8	667.6	475.9	473.5	192.9	194.1
2017						
September	694.0	692.0	493.7	491.6	200.4	200.4
October	696.5	698.0	495.8	497.5	200.6	200.5
November	698.5	700.4	497.5	499.7	201.0	200.7
December	700.0	701.3	498.4	499.2	201.5	202.1
2018						
January	700.9	696.4	498.7	496.6	202.3	199.9
February	701.5	701.2	498.4	499.7	203.1	201.5
March	702.0	701.5	498.1	496.7	204.0	204.7
April	703.1	711.3	498.3	506.6	204.7	204.8
May	704.7	703.5	499.4	497.6	205.4	205.9
June	706.7	707.9	500.9	501.2	205.8	206.7
July	708.9	707.1	502.7	501.9	206.2	205.2
August	711.1	711.1	504.6	504.9	206.5	206.2
September	713.4	715.7	506.7	508.6	206.7	207.1

## MONTHLY HOURS WORKED IN ALL JOBS, by State and Territory

## MONTHLY HOURS WORKED IN ALL JOBS

<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania</i>	<i>Northern Territory</i>	<i>Australian Capital Territory</i>
millions	millions	millions	millions	millions	millions	millions	millions

## TREND

September 2015	528.5	414.0	338.0	108.5	187.6	32.0	20.6	29.0
September 2016	534.5	430.9	335.0	110.1	181.5	31.7	20.9	29.9
September 2017	547.0	442.1	348.2	112.7	188.5	33.0	20.0	31.0
October	548.5	443.6	349.6	112.5	188.2	33.0	20.1	31.3
November	549.7	445.4	350.3	112.4	187.5	33.0	20.2	31.5
December	550.7	447.2	350.4	112.4	186.9	33.1	20.3	31.7
2018								
January	551.6	448.4	350.0	112.5	186.5	33.0	20.4	31.7
February	552.5	449.1	349.4	112.8	186.4	33.0	20.5	31.7
March	553.8	449.3	348.9	113.2	186.7	33.0	20.7	31.6
April	555.5	449.6	348.5	113.6	187.2	33.0	20.9	31.5
May	557.2	450.3	348.3	113.9	187.7	33.0	21.1	31.3
June	558.8	451.6	348.2	114.0	188.3	33.0	21.2	31.2
July	560.3	453.3	348.1	114.0	188.8	32.9	21.2	31.1
August	561.6	455.2	348.2	114.0	189.3	32.8	21.2	30.9
September	562.5	457.1	348.4	113.9	189.7	32.6	21.1	30.9

## SEASONALLY ADJUSTED

September 2015	528.5	413.6	339.6	109.3	187.8	32.3	np	np
September 2016	535.1	429.9	333.9	109.7	179.5	32.0	np	np
September 2017	548.9	441.9	347.0	112.7	190.0	33.0	np	np
October	554.3	440.3	352.2	112.7	186.6	33.1	np	np
November	549.9	447.6	350.6	112.5	190.7	33.0	np	np
December	550.5	448.6	350.1	112.1	187.9	33.1	np	np
2018								
January	540.3	443.8	349.5	111.7	181.0	32.5	np	np
February	551.1	449.4	349.5	113.3	185.1	32.8	np	np
March	554.3	448.7	348.9	114.0	186.4	32.9	np	np
April	562.6	455.3	354.8	112.4	187.5	34.8	np	np
May	557.6	447.7	342.3	114.6	188.3	32.6	np	np
June	559.8	450.4	348.7	113.5	188.8	33.0	np	np
July	559.8	454.6	346.9	115.1	188.5	33.0	np	np
August	563.9	454.1	346.7	113.7	188.5	32.7	np	np
September	560.1	459.8	350.3	113.3	190.4	32.4	np	np

np not available for publication but included in totals where applicable, unless otherwise indicated

	UNDEREMPLOYED TOTAL			UNDEREMPLOYMENT RATE			UNDERUTILISATION RATE		
	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>	<i>Trend</i>	<i>Seasonally adjusted</i>	<i>Original</i>
	'000	'000	'000	%	%	%	%	%	%
<b>PERSONS</b>									
September 2015	1087.0	1107.3	1057.6	8.6	8.8	8.4	14.6	15.0	14.4
September 2016	1099.7	1106.6	1060.1	8.6	8.7	8.4	14.3	14.4	13.9
2017									
September	1114.1	1115.7	1070.0	8.5	8.5	8.2	14.0	14.0	13.5
October	1115.4	1110.7	1057.8	8.5	8.5	8.1	14.0	13.9	13.2
November	1117.3	1115.4	1122.0	8.5	8.5	8.5	14.0	13.9	13.6
December	1119.1	1119.6	1188.6	8.5	8.5	8.9	14.0	14.0	14.3
2018									
January	1121.2	1156.0	1186.5	8.5	8.7	9.1	14.0	14.2	15.0
February	1124.1	1118.6	1104.0	8.5	8.5	8.3	14.0	14.0	14.3
March	1127.0	1129.3	1115.6	8.5	8.5	8.4	14.0	14.1	14.3
April	1127.9	1129.2	1106.7	8.5	8.5	8.3	14.0	14.1	13.9
May	1126.3	1121.9	1104.0	8.5	8.5	8.3	13.9	13.9	13.6
June	1122.5	1133.3	1138.9	8.5	8.5	8.6	13.8	13.9	13.7
July	1117.7	1124.2	1118.4	8.4	8.5	8.4	13.7	13.7	13.6
August	1113.4	1102.1	1063.9	8.4	8.3	8.0	13.6	13.5	13.3
September	1111.3	1103.2	1058.3	8.3	8.3	8.0	13.5	13.3	12.8
<b>MALES</b>									
September 2015	448.6	456.1	430.4	6.6	6.8	6.4	12.6	13.0	12.6
September 2016	465.3	466.7	442.1	6.8	6.9	6.5	12.4	12.5	12.1
2017									
September	466.9	467.7	445.0	6.7	6.7	6.4	12.2	12.2	11.8
October	464.4	456.6	435.5	6.7	6.6	6.3	12.1	11.9	11.4
November	462.2	465.5	468.7	6.6	6.7	6.7	12.1	12.1	11.8
December	460.8	455.0	477.7	6.6	6.5	6.8	12.1	12.2	12.4
2018									
January	460.4	494.9	503.6	6.6	7.0	7.2	12.1	12.4	13.1
February	460.6	462.1	468.0	6.6	6.6	6.6	12.1	12.1	12.5
March	460.3	459.5	453.0	6.6	6.5	6.4	12.1	12.1	12.2
April	458.4	458.0	447.1	6.5	6.5	6.3	12.0	12.2	11.8
May	455.0	455.2	449.4	6.5	6.5	6.4	11.9	11.9	11.6
June	450.9	457.7	459.5	6.4	6.5	6.5	11.8	12.0	11.8
July	446.8	446.5	451.8	6.3	6.3	6.4	11.6	11.6	11.7
August	444.1	433.5	413.6	6.3	6.1	5.9	11.5	11.3	11.1
September	443.2	444.4	424.2	6.3	6.3	6.0	11.3	11.1	10.8
<b>FEMALES</b>									
September 2015	638.4	651.2	627.3	10.9	11.2	10.8	17.0	17.3	16.6
September 2016	634.5	639.9	618.0	10.7	10.8	10.5	16.4	16.5	15.9
2017									
September	647.3	648.0	625.0	10.6	10.6	10.2	16.1	16.1	15.5
October	651.0	654.1	622.3	10.6	10.7	10.2	16.1	16.2	15.4
November	655.1	649.9	653.2	10.6	10.6	10.6	16.2	16.0	15.6
December	658.3	664.6	711.0	10.7	10.7	11.4	16.2	16.2	16.6
2018									
January	660.8	661.1	682.9	10.7	10.7	11.2	16.2	16.3	17.2
February	663.5	656.5	636.0	10.7	10.6	10.2	16.2	16.2	16.4
March	666.7	669.8	662.6	10.7	10.8	10.6	16.2	16.3	16.6
April	669.5	671.2	659.5	10.8	10.8	10.6	16.2	16.3	16.3
May	671.3	666.7	654.6	10.8	10.7	10.5	16.2	16.1	15.9
June	671.6	675.6	679.4	10.8	10.8	10.9	16.2	16.0	15.9
July	670.9	677.6	666.7	10.8	10.9	10.7	16.1	16.1	15.8
August	669.3	668.6	650.2	10.7	10.7	10.5	16.1	16.1	15.8
September	668.2	658.7	634.1	10.7	10.6	10.2	16.0	15.7	15.1



	UNDEREMPLOYED TOTAL			UNDEREMPLOYMENT RATE			UNDERUTILISATION RATE		
	Trend	Seasonally Adjusted	Original	Trend	Seasonally Adjusted	Original	Trend	Seasonally Adjusted	Original
	'000	'000	'000	%	%	%	%	%	%
<b>PERSONS</b>									
New South Wales	336.3	335.2	324.6	7.9	7.7	7.9	12.5	12.3	11.9
Victoria	272.9	261.8	256.1	7.9	7.5	7.4	12.6	12.1	11.9
Queensland	237.1	234.1	218.6	8.9	8.9	8.3	15.1	14.8	14.1
South Australia	85.3	82.2	77.8	9.6	9.3	8.8	15.2	14.8	14.1
Western Australia	141.5	143.0	133.2	9.9	10.0	9.3	15.9	16.0	15.3
Tasmania	133.2	25.9	26.6	9.8	10.1	10.1	15.7	15.9	15.7
Northern Territory	5.8	np	5.7	4.1	np	4.1	8.1	np	7.9
Australian Capital Territory	16.7	np	15.8	7.0	np	6.7	10.7	np	10.2
Australia	1111.3	1103.2	1058.3	8.3	8.3	8.0	13.5	13.3	12.8
<b>MALES</b>									
New South Wales	131.8	130.1	127.0	5.9	5.8	5.7	10.3	10.1	9.9
Victoria	112.7	110.4	104.6	6.0	5.9	5.6	10.5	10.1	9.9
Queensland	93.4	95.9	87.8	6.7	6.9	6.4	12.8	12.9	12.1
South Australia	33.1	30.9	29.1	7.1	6.6	6.3	12.7	12.1	11.7
Western Australia	57.2	57.7	55.0	7.4	7.4	7.1	13.4	13.3	13.0
Tasmania	9.9	10.2	10.2	7.2	7.5	7.5	12.6	12.6	12.6
Northern Territory	2.7	np	2.9	3.5	np	3.8	8.0	np	8.3
Australian Capital Territory	7.8	np	7.6	6.4	np	6.2	9.7	np	9.3
Australia	443.2	444.4	424.2	6.3	6.3	6.0	11.3	11.1	10.8
<b>FEMALES</b>									
New South Wales	204.5	205.0	197.6	10.3	10.3	9.9	14.9	14.8	14.1
Victoria	160.2	151.4	151.5	9.9	9.4	9.4	14.9	14.4	14.2
Queensland	143.6	138.2	130.8	11.4	11.0	10.4	17.5	16.9	16.3
South Australia	52.2	51.4	48.6	12.5	12.4	11.8	17.9	17.9	16.8
Western Australia	84.2	85.3	78.2	12.8	13.0	12.0	18.9	19.1	18.0
Tasmania	16.1	16.4	16.2	12.6	12.9	12.9	18.9	19.3	19.1
Northern Territory	3.1	np	2.8	4.7	np	4.4	8.2	np	7.5
Australian Capital Territory	8.9	np	8.3	7.7	np	7.2	11.7	np	11.1
Australia	668.2	658.7	634.1	10.7	10.6	10.2	16.0	15.7	15.1

## WHAT IF...? REVISIONS TO TREND ESTIMATES

### EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

#### TREND REVISIONS

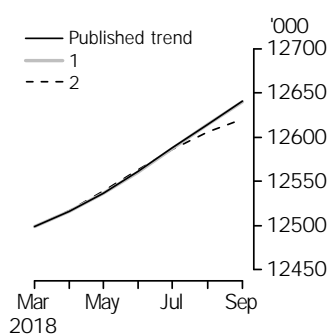
Each time new seasonally adjusted estimates become available, trend estimates are revised. This revision is a combined result of the concurrent seasonal adjustment process and the application of surrogates of the Henderson average to the seasonally adjusted series (see paragraphs 28 to 37 of the Explanatory Notes).

The examples in the tables below show two illustrative scenarios and the consequent revisions to previous trend estimates of employment and the unemployment rate. The revisions in the scenarios are due to the use of surrogates of the Henderson average, as the impact of revision of seasonally adjusted estimates can not be estimated in advance.

- (1) The October seasonally adjusted estimate is *higher* than September by:  
0.21% for employment  
2.10% for the unemployment rate
- (2) The October seasonally adjusted estimate is *lower* than September by:  
0.21% for employment  
2.10% for the unemployment rate

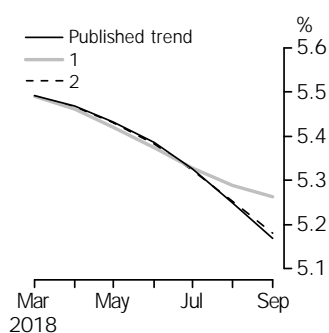
The percentage changes of 0.21% and 2.10% represent the average absolute monthly percentage changes in employment and the unemployment rate respectively. Estimates in the graphs have been calculated using unrounded estimates, and may be different from, but more accurate than, rounded estimates depicted in the corresponding table.

#### EMPLOYMENT



	Trend as published	WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE IS:	
		(1) 12 662.9 i.e. rises by 0.21%	(2) 12 609.9 i.e. falls by 0.21%
<b>2018</b>			
June	12 561.0	12 560.8	12 563.2
July	12 587.5	12 587.4	12 586.4
August	12 614.4	12 614.4	12 605.7
September	12 640.8	12 640.3	12 620.3

#### UNEMPLOYMENT RATE



	Trend as published	WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE IS:	
		(1) 5.1 i.e. rises by 2.10%	(2) 4.9 i.e. falls by 2.10%
<b>2018</b>			
June	5.4	5.4	5.4
July	5.3	5.3	5.3
August	5.2	5.3	5.3
September	5.2	5.3	5.2

## EXPLANATORY NOTES

### INTRODUCTION

**1** This publication contains estimates of the civilian labour force derived from the Labour Force Survey component of the Monthly Population Survey. The full time series for estimates from this publication are also available electronically. More detailed estimates are released one week after this publication in various electronic formats – see *Labour Force, Australia, Detailed – Electronic Delivery* (cat. no. 6291.0.55.001) and *Labour Force, Australia, Detailed, Quarterly* (cat. no. 6291.0.55.003).

### CONCEPTS, SOURCES AND METHODS

**2** The conceptual framework used in Australia's Labour Force Survey aligns closely with the standards and guidelines set out in Resolutions of International Conferences of Labour Statisticians. Descriptions of the underlying concepts and structure of Australia's labour force statistics, and the sources and methods used in compiling the estimates, are presented in *Labour Statistics: Concepts, Sources and Methods* (cat. no. 6102.0.55.001) which is available on the ABS website <<http://www.abs.gov.au>>.

### LABOUR FORCE SURVEY

**3** The Labour Force Survey is based on a multi-stage area sample of private dwellings (currently approximately 26,000 houses, flats, etc.), a list sample of non-private dwellings (hotels, motels, etc.), and covers approximately 0.32% of the civilian population of Australia aged 15 years and over.

**4** Information is obtained from the occupants of selected dwellings by specially trained interviewers using computer-assisted interviewing, or self-completion online.

**5** Households selected for the Labour Force Survey are interviewed each month for eight months, with one-eighth of the sample being replaced each month. The first interview is generally conducted face-to-face. Subsequent interviews are conducted by telephone (if acceptable to the respondent).

**6** From December 2012 to April 2013, the ABS conducted a trial of online electronic data collection. Respondents in a single rotation group (i.e. one-eighth of the survey sample) were offered the option of self completing their labour force survey questionnaire online instead of via a face-to-face or telephone interview. From May 2013, the ABS expanded the offer of online electronic collection to 50% of each new incoming rotation group. For more information see the article in the April 2013 issue of this publication. From September 2013, online electronic collection has been offered to 100% of private dwellings in each incoming rotation group. From April 2014, 100% of private dwellings are being offered online electronic collection.

**7** The interviews are generally conducted during the two weeks beginning on the Sunday between the 5th and 11th of each month. The information obtained relates to the week before the interview (i.e. the reference week). Each year, to deal with the operational difficulties involved with collecting and processing the Labour Force Survey around the Christmas and New Year holiday period, interviews for December start four weeks after November interviews start (i.e. between the 3rd and 9th December), and January interviews start five weeks after December interviews start. As a result, January interviewing may commence as early as the 7th or as late as the 13th, depending on the year. Occasionally, circumstances that present significant operational difficulties for survey collection can result in a change to the normal pattern for the start of interviewing.

**8** Estimates from the Labour Force Survey are usually published first in this publication 39 days after the commencement of interviews for that month, with the exception of estimates for each December which are usually published 46 days after the commencement of interviews.

## EXPLANATORY NOTES *continued*

### SCOPE OF SURVEY

**9** The Labour Force Survey includes all persons aged 15 years and over except members of the permanent defence forces, certain diplomatic personnel of overseas governments customarily excluded from census and estimated population counts, overseas residents in Australia, and members of non-Australian defence forces (and their dependants) stationed in Australia.

### COVERAGE

**10** In the Labour Force Survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. The coverage rules are necessarily a balance between theoretical and operational considerations. Nevertheless, the chance of a person being enumerated at two separate dwellings in the survey is considered to be negligible.

### POPULATION BENCHMARKS

**11** The Labour Force Survey estimates are calculated in such a way as to add to independent estimates of the civilian population aged 15 years and over (population benchmarks). These population benchmarks are based on the most recently released estimates of Final, Revised and Preliminary quarterly Estimated Resident Population (ERP). For information on the methodology used to produce the ERP see *Australian Demographic Statistics* (cat. no. 3101.0). Since the most recently released ERP estimates lag the current time period for Labour Force estimates by nine months, the Labour Force population benchmarks are created by projecting forward three quarters past the most recently released quarterly ERP estimates. The projection is based on the historical pattern of each population component - births, deaths, interstate migration and net overseas migration (NOM). Estimates of NOM are supplemented with other data sources to better reflect short-term population changes. These estimates draw on information provided by the Department of Home Affairs.

**12** The revision status of quarterly ERP data changes over time from, preliminary, to revised, to final, as natural increase, overseas migration, and interstate migration component data is revised to incorporate more up to date data. These revisions flow through to the population benchmarks used to rebenchmark the Labour Force estimates on a quarterly basis.

**13** Every five years, the ERP series are revised to incorporate additional information available from the latest Census of Population and Housing (Census). Labour Force Survey population benchmarks, and the estimates, are revised following this five-yearly revision in the ERP. The process of incorporating the revised population benchmarks is referred to as 'rebasings'. The rebasing process is subject to a revision going from, preliminary rebasing approximately a year after a census, to final rebasing approximately 2 years after a census. Beginning with the November 2017 issue of *Labour Force, Australia* (cat. no. 6202.0) benchmarks have been compiled using ERP preliminary rebased to the 2016 Census. At the same time revisions were made to historical Labour Force estimates from July 2011 to October 2017. In November 2018 the Labour Force series from July 2011 to November 2018 will be rebenchmarked to align with final ERP figures rebased to the 2016 Census. For more information on revised ERP estimates, refer to the December 2016 issue of *Australian Demographic Statistics* (cat. no. 3101.0) released in June 2017.

**14** In between Censuses, the ABS revises the Labour Force population benchmarks using the latest ERP according to the paragraphs above. These were introduced in the July 2010, November 2012 and April 2013 issues. The revisions planned for the October 2013, April 2014 and November 2014 issues were not implemented (see What's New in the Labour Force in the September 2013 issue and Changes in this Issue in the October 2014 issue of this publication). From the February 2015 issue, rebenchmarking were undertaken quarterly in the February, May, August and November issues, apart from May 2015. For more information, refer to the article Rebenchmarking of Labour Force Series in the February 2015 issue of this publication.

## EXPLANATORY NOTES *continued*

### ESTIMATION METHOD

**15** The estimation method used in the Labour Force Survey is Composite Estimation, which was introduced in May 2007. In January 2014 composite estimation was applied to all estimates from July 1991 as part of the 2011 Census rebenchmarking. Composite Estimation combines data collected in the previous six months with current month's data to produce the current month's estimates, thereby exploiting the high correlation between overlapping samples across months in the Labour Force Survey. The Composite Estimator combines the previous and current months' data by applying different factors according to length of time in the survey. After these factors are applied, the seven months of data are weighted to align with current month population benchmarks. For details see *Information Paper: Forthcoming Changes to Labour Force Statistics, 2007* (cat. no. 6292.0).

### COMPARABILITY OF SERIES

**16** From April 1986, the definition of employed persons was changed to include persons who worked without pay between 1 and 14 hours per week in a family business or on a farm (i.e. contributing family workers). For further information, see paragraphs 22 and 23 of the Explanatory Notes in the February 2003 issue of *Labour Force, Australia* (cat. no. 6203.0).

**17** The ABS introduced telephone interviewing into the Labour Force Survey in August 1996. Implementation was phased in for each new sample group from August 1996 to February 1997. During the period of implementation, the new method produced different estimates than would have been obtained under the old methodology. The effect dissipated over the final months of implementation and was no longer discernible from February 1997. The estimates for February 1997 and onwards are directly comparable to estimates for periods prior to August 1996. For further details, see the feature article in the June 1997 issue of *Labour Force, Australia* (cat. no. 6203.0).

**18** From April 2001 the Labour Force Survey was conducted using a redesigned questionnaire containing additional data items and some minor definitional changes. The definition of unemployed persons was changed to include all persons who were waiting to start work and were available to start in the reference week. This change was introduced in February 2004, when historical unit record data were revised from April 2001 to January 2004. This revision created a small trend break at April 2001 in unemployed persons and unemployment rate series. For further details, see *Information Paper: Forthcoming Changes to Labour Force Statistics, 2003* (cat. no. 6292.0), released in December 2003. From July 2014 the Labour Force Survey questionnaire was further redesigned and definitional changes made to active job search steps and duration of job search. For further details, see the Glossary and *Information Paper: Forthcoming Changes to Labour Force Statistics, June 2014* (cat. no. 6292.0), released in October 2014.

**19** Core labour force series were revised in April 2001 for the period April 1986 to March 2001 for the remaining definitional changes introduced with the redesigned questionnaire, to reduce the impact of the changes on labour force series. For further details, see *Information Paper: Implementing the Redesigned Labour Force Survey Questionnaire* (cat. no. 6295.0) and the 2004 issue of *Information Paper: Questionnaires Used in the Labour Force Survey* (cat. no. 6232.0).

**20** In May 2007, an improved method of estimation, known as composite estimation, was introduced into the Labour Force Survey. In introducing this change, the ABS revised unit record data from April 2001 to April 2007 based on the new estimation method. No change was identified in the trend breaks in the unemployed persons and unemployment rate series which arose with the introduction of a redesigned survey form in April 2001 (as noted above in paragraph 18). In January 2014 composite estimation was applied to all estimates from July 1991 as part of the 2011 Census rebenchmarking.

## EXPLANATORY NOTES *continued*

### COMPARABILITY OF SERIES *continued*

For further details, see *Information Paper: Forthcoming Changes to Labour Force Statistics, 2007* (cat. no. 6292.0).

**21** As one of a range of ABS savings initiatives for the 2008–09 financial year, there was a 24% reduction in the LFS sample size for the period July 2008 to August 2009, relative to the June 2008 sample size. The sample reduction was reversed from September 2009 to December 2009, with December 2009 estimates being the first produced under the fully reinstated sample.

### LABOUR FORCE SURVEY SAMPLE

**22** The current Labour Force Survey sample has been selected using information collected in the 2011 Census of Population and Housing.

**23** The sample was introduced over four months - May 2013 to August 2013. Two rotation groups (i.e. one-quarter of the survey sample) were introduced each month. During the sample phase-in, the increased sample rotation had an impact on the quality of estimates. Movement standard errors increased by approximately 10%, representing, for example, an increase on the standard error on the Australian monthly change in employment for May 2013 from 27,000 to approximately 29,700.

**24** Due to the use of composite estimation, there was a marginal impact on the quality of level estimates. Gross Flows analysis were impacted by the sample phase-in with between 60% to 70% of the sample available for matching between the current and previous months instead of the usual 80%. After full transition to the new sample, the quality of level and movement estimates is at the level designed for under the 2011 sample design and are of similar quality as the 2006 sample design. For further details, see *Information Paper: Labour Force Survey Sample Design* (cat. no. 6269.0) released on 30 May 2013.

**25** Commencing with July 2018, the ABS will utilise information from the 2016 Census for sample selection with the new sample phased in over eight months from July 2018. Detailed information on the new sample, including the use of the ABS Address Register, can be found in *Information Paper: Labour Force Survey Sample Design, July 2018* (cat. no. 6269.0), which was released on 30 July 2018.

### RELIABILITY OF ESTIMATES

**26** Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error.

**27** Sampling error occurs because a sample, rather than the entire population, is surveyed. One measure of the likely difference resulting from not including all dwellings in the survey is given by the standard error. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included in the survey, and about nineteen chances in twenty that the difference will be less than two standard errors. Standard errors of key estimates for the latest month and of movements since the previous month of these estimates are shown in the standard errors section of this publication. Standard errors for other estimates and other movements may be calculated by using the spreadsheet contained in *Labour Force Survey Standard Errors, Data Cube* (cat. no. 6298.0.55.001) which is available free of charge on the ABS website <<http://www.abs.gov.au>>.

## EXPLANATORY NOTES *continued*

### RELIABILITY OF ESTIMATES

*continued*

**28** Non-sampling error arises from inaccuracies in collecting, recording and processing the data. Every effort is made to minimise reporting error by the careful design of questionnaires, intensive training and supervision of interviewers, and efficient data processing procedures. Non-sampling error also arises because information cannot be obtained from all persons selected in the survey. The Australian Labour Force Survey receives a higher level of co-operation from individuals in selected dwellings compared to other countries, with the average response rate over the past 3 years being 93 per cent, and the average rate over the past year being 92.25 per cent (to the nearest quarter of a per cent, in rounded terms). See Glossary for definition of response rate.

### SEASONAL ADJUSTMENT AND TREND ESTIMATION

**29** Any original time series can be thought of as a combination of three broad and distinctly different types of behaviour, each representing the impact of certain types of real world events on the information being collected: systematic calendar related events, short-term irregular fluctuations and long-term cyclical behaviour. A multiplicative decomposition model is applied in the seasonal adjustment of Labour Force Time Series, where the original time series (O) is considered as the product of the underlying trend (T), a systematic calendar related or seasonal component (S) and an irregular component (I). This can be expressed as  $O = T \times S \times I$ . The contributions of each of these behaviours varies from series to series, as well as throughout time for a given series, depending on the nature of the interactions of real world events and the data of interest.

**30** Seasonal adjustment is a statistical technique that attempts to measure and remove the effects of systematic calendar related patterns including seasonal variation to reveal how a series changes from period to period. Seasonal adjustment does not aim to remove the irregular or non-seasonal influences which may be present in any particular month. This means that month-to-month movements of the seasonally adjusted estimates may not be reliable indicators of trend behaviour.

**31** The Labour Force Survey uses the concurrent seasonal adjustment method to derive seasonal factors. Concurrent seasonal adjustment uses data up to the current month to estimate seasonal factors for the current and all previous months. This process can result in revisions each month to estimates for earlier periods. However, in most instances, the only noticeable revisions will be to the seasonally adjusted estimates for the previous month and one year prior to the current month. From the March 2015 issue of this publication, the effects of supplementary surveys are removed prior to the estimation of seasonal factors for key Labour Force series from February 1978 onwards. While this methodology has addressed short term volatility in the seasonally adjusted series arising from changes to the timing and content of the supplementary survey program, in general prior corrections and resulting changed seasonal patterns can be identified and measured to a more reliable degree of certainty after three successive observations (in this case after three years). For further details refer to the October and December 2014 issues of this publication.

**32** The revision properties of the seasonally adjusted and trend estimates can be improved by the use of Autoregressive Integrated Moving Average (ARIMA) modelling. ARIMA modelling relies on the characteristics of the series being analysed to project future period data. The projected values are temporary, intermediate values, that are only used internally to improve the estimation of the seasonal factors. The projected data do not affect the original estimates and are discarded at the end of the seasonal adjustment process. The Labour Force Survey uses an ARIMA model for the majority of the individual time series. The ARIMA model is assessed as part of the annual reanalysis. For further details, see the feature article in the October 2004 issue of *Australian Economic Indicators* (cat. no. 1350.0).

## EXPLANATORY NOTES *continued*

### SEASONAL ADJUSTMENT AND TREND ESTIMATION *continued*

**33** Seasonal adjustment is able to remove the effect of events which occur at the same time in the survey every year. However, there are some events, like holidays, which are not always at the same time in the survey cycle or which are not at the same time across Australia. The effects of these types of events on Labour Force Survey estimates cannot in all cases be removed, because the pattern of their effects cannot be determined. However, two events for which adjustment is made in the seasonally adjusted series are the January interview start date and the timing of Easter. For further details, see *Information Paper: Forthcoming Changes to Labour Force Statistics* (cat. no. 6292.0) released in December 2003.

**34** While seasonal factors for the complete time series are estimated each month, they will continue to be reviewed annually at a more detailed level to take into account each additional year's original data. This annual review will not normally result in significant changes to published estimates. The review is usually conducted early each year with the results released in this publication shortly thereafter.

**35** The smoothing of seasonally adjusted series to produce 'trend' series reduces the impact of the irregular component of the seasonally adjusted series. These trend estimates are derived by applying a 13-term Henderson-weighted moving average to all months except the last six. The last six monthly trend estimates are obtained by applying surrogates of the Henderson average to the seasonally adjusted series. Trend estimates are used to analyse the underlying behaviour of a series over time.

**36** While this smoothing technique enables estimates to be produced for the latest month, it does result in revisions in addition to those caused by the revision of seasonally adjusted estimates. Generally, revisions due to the use of surrogates of the Henderson average become smaller, and after three months have a negligible impact on the series.

**37** Trend estimates are published for the Northern Territory in table 10 and for the Australian Capital Territory in table 11. Unadjusted series for the two Territories have shown, historically, a high degree of variability, which can lead to considerable revisions to the seasonally adjusted estimates each month when seasonal factors are estimated. For this reason, seasonally adjusted estimates are not currently published for the two Territories. In addition, caution should be exercised in the interpretation of trend estimates for the two Territories, particularly for the three most recent months, where revisions may be relatively large.

**38** For further information, see *A Guide to Interpreting Time Series – Monitoring Trends* (cat. no. 1349.0).

### RELATED PUBLICATIONS

**39** Users may also wish to refer to the following publications and other data products that are available free of charge from the ABS website:

- *Labour Force Survey Standard Products and Data Item Guide* (cat. no. 6103.0)
- *Labour Force, Australia, Detailed* (cat. no. 6291.0.55.001)
- *Labour Force, Australia, Detailed Quarterly* (cat. no. 6291.0.55.003)
- *Labour Force Survey Standard Errors, Data Cube* (cat. no. 6298.0.55.001)
- *Labour force, Australia - Rebenchmarked Estimates* (cat. no. 6202.0.55.003)
- *Labour Statistics: Concepts, Sources and Methods* (cat. no. 6102.0.55.001)
- *Australian Demographic Statistics* (cat. no. 3101.0)
- *Australian Labour Market Statistics* (cat. no. 6105.0)
- *Labour Force, Australia* (cat. no. 6203.0)
- *Information Paper: Outcomes of the Labour Household Surveys Content Review* (cat. no. 6107.0)
- *Information Paper: Questionnaires Used in the Labour Force Survey* (cat. no. 6232.0)
- *Information Paper: Regional Labour Force Statistics* (cat. no. 6262.0)



## EXPLANATORY NOTES *continued*

### RELATED PUBLICATIONS

*continued*

- *Information Paper: Labour Force Sample Design* (cat. no. 6269.0)
- *Information Paper: Forthcoming Changes to Labour Force Statistics* (cat. no. 6292.0)
- *Information Paper: Expansion of Hours Worked Estimates from the Labour Force Survey* (cat. no. 6290.0.55.001)

**40** Current publications and other products released by the ABS are listed on the ABS website <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the website which details products to be released in the week ahead.

### DATA AVAILABLE ON REQUEST

**41** As well as the statistics included in this and related publications, the ABS may have other relevant data available. Inquiries should be made via email <[client.services@abs.gov.au](mailto:client.services@abs.gov.au)> or contact the National Information and Referral Service on 1300 135 070.

### EFFECTS OF ROUNDING

**42** Estimates have been rounded and discrepancies may occur between sums of the component items and totals. Estimates of movement shown in this publication are obtained by taking the difference of unrounded estimates. The movement estimate is then rounded. Where a discrepancy occurs between the reported movement and the difference of the rounded estimates, the reported movement will be more accurate.

### SYMBOLS AND ABBREVIATIONS

#### **43** SYMBOLS AND ABBREVIATIONS

<i>Symbol</i>	<i>Definition</i>
'000	thousands
%	percentage
ABS	Australian Bureau of Statistics
CAI	computer assisted interviewing
cat. no.	catalogue number
Civ. pop.	civilian population
ERP	estimated resident population
Emp. to pop. ratio	employment to population ratio
f/t	full time
LFS	Labour Force Survey
NILF	not in the Labour Force
Part. rate	participation rate
p/t	part time
pts	percentage points
Seas adj.	seasonally adjusted
TAFE	Technical and Further Education
Unemp. rate	unemployment rate

## STANDARD ERRORS

### STANDARD ERRORS

The estimates in this publication are based on information gained from the occupants of a sample survey of dwellings. Because the entire population is not surveyed, the published original, seasonally adjusted and trend estimates are subject to sampling error. The most common way of quantifying such sampling error is to calculate the standard error for the published estimate or statistic. For more information, see paragraphs 25 to 27 of the Explanatory Notes.

### LEVEL ESTIMATES

To illustrate, let us say the published level estimate for employed persons aged 15–19 years is 700,000 and the associated standard error is 9,000. The standard error is then used to interpret the level estimate of 700,000. For instance, the standard error of 9,000 indicates that:

- There are approximately two chances in three that the real value falls within the range 691,000 to 709,000 (700,000 + or – 9,000)
- There are approximately nineteen chances in twenty that the real value falls within the range 682,000 to 718,000 (700,000 + or – 18,000).

The real value in this case is the result we would obtain if we could enumerate the total population.

The following table shows the standard errors for this month's level estimates.

											AUSTRALIA										
											NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Males	Females	Persons
Aged 15 years and over																					
Employed																					
Full time	'000	26.1	19.5	17.6	7.4	11.2	2.9	2.4	2.9	32.5	24.3	39.4									
Part time	'000	19.5	12.9	12.2	5.7	8.4	2.3	0.8	2.1	14.5	22.4	27.8									
Total	'000	28.7	23.9	20.2	8.7	12.4	3.5	2.8	3.0	35.6	33.7	44.7									
Unemployed																					
Looking for f/t work	'000	8.0	6.8	7.9	2.8	4.8	1.1	0.7	0.9	10.8	9.2	14.3									
Looking for p/t work	'000	5.6	5.3	5.3	2.1	3.0	0.7	0.3	0.6	6.4	7.5	10.0									
Total	'000	9.9	8.7	9.2	3.4	5.7	1.3	0.8	1.1	12.6	12.0	17.7									
Labour force	'000	28.9	24.5	20.7	8.9	12.5	3.5	2.9	3.1	36.4	34.5	45.4									
Not in labour force	'000	24.4	21.9	22.9	8.3	11.9	3.6	3.2	3.1	31.7	36.1	42.6									
Unemployment rate																					
Looking for f/t work	pts	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.2	0.3	0.2									
Looking for p/t work	pts	0.4	0.5	0.6	0.7	0.7	0.7	0.9	0.8	0.5	0.3	0.2									
Total	pts	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.5	0.2	0.2	0.1									
Participation rate	pts	0.4	0.5	0.5	0.6	0.6	0.8	1.5	0.9	0.4	0.3	0.2									
Aged 15–19 years																					
Employed																					
Full time	'000	3.8	2.1	2.6	1.0	1.7	0.5	0.2	0.4	4.9	3.6	5.5									
Part time	'000	5.9	3.6	4.2	1.7	2.4	0.7	0.2	0.8	6.3	7.2	9.2									
Total	'000	6.7	4.0	4.9	1.9	2.9	0.8	0.3	0.9	7.5	7.7	10.5									
Unemployed																					
Looking for f/t work	'000	2.8	1.8	3.0	0.9	1.4	0.3	0.1	0.3	3.8	2.9	4.8									
Looking for p/t work	'000	2.9	3.6	3.3	1.4	1.9	0.4	0.2	0.3	4.5	4.3	6.3									
Total	'000	4.1	4.1	4.7	1.7	2.4	0.5	0.2	0.4	5.9	5.2	7.9									
Labour force	'000	7.3	4.5	5.5	2.2	3.2	0.9	0.3	0.9	8.2	8.3	11.5									
Not in labour force	'000	9.5	6.0	7.8	2.9	4.1	1.1	0.7	1.3	10.6	9.9	14.9									
Unemployment rate																					
Looking for f/t work	pts	3.9	4.2	5.3	7.0	5.3	7.4	4.0	10.0	2.5	4.1	2.2									
Looking for p/t work	pts	1.6	2.3	2.4	3.1	3.0	3.3	3.0	2.7	1.7	1.3	1.0									
Total	pts	1.7	2.1	2.4	3.0	2.7	3.1	2.7	2.9	1.4	1.3	1.0									
Participation rate	pts	1.5	1.2	1.7	2.1	2.1	2.9	2.0	3.7	1.1	1.1	0.8									
Unemployment to population ratio – looking for f/t work																					
	pts	0.6	0.5	0.9	0.9	0.9	1.0	0.8	1.1	0.5	0.4	0.3									

## STANDARD ERRORS *continued*

### MOVEMENT ESTIMATES

The following example illustrates how to use the standard error to interpret a movement estimate. Let us say that one month the published level estimate for females employed part-time in Australia is 1,890,000; the next month the published level estimate is 1,900,000 and the associated standard error for the movement estimate is 11,900. The standard error is then used to interpret the published movement estimate of 10,000. For instance, the standard error of 11,900 indicates that:

- There are approximately two chances in three that the real movement between the two months falls within the range – 1,900 to 21,900 (10,000 + or – 11,900)
- There are approximately nineteen chances in twenty that the real movement falls within the range – 13,800 to 33,800 (10,000 + or – 23,800).

The following table shows the standard errors for this month's movement estimates.

										AUSTRALIA		
										NSW	Vic.	Qld
										SA	WA	Tas.
										NT	ACT	
										Males	Females	Persons
<b>Aged 15 years and over</b>												
Employed												
Full time	'000	15.5	12.8	9.6	3.9	6.5	1.7	1.8	1.8	18.9	14.2	24.3
Part time	'000	10.3	8.8	6.1	2.9	4.4	1.4	0.9	1.2	9.1	13.2	16.0
Total	'000	18.9	15.8	13.4	5.7	8.6	2.3	2.0	2.2	21.1	19.7	30.2
Unemployed												
Looking for f/t work	'000	8.5	7.1	7.9	3.0	5.3	1.1	0.8	1.2	11.4	9.8	15.2
Looking for p/t work	'000	6.0	5.3	4.7	2.0	3.2	0.7	0.3	0.7	6.4	7.5	9.9
Total	'000	10.6	8.9	9.3	3.6	6.1	1.3	0.8	1.3	13.1	12.4	18.3
Labour force	'000	19.3	16.2	14.4	6.0	9.0	2.3	2.1	2.3	21.7	20.3	31.1
Not in labour force	'000	18.2	15.8	14.3	6.0	8.7	2.2	2.0	2.5	18.5	22.2	30.1
Unemployment rate												
Looking for f/t work	pts	0.3	0.3	0.5	0.5	0.5	0.7	0.7	0.6	0.2	0.3	0.2
Looking for p/t work	pts	0.5	0.5	0.7	0.7	0.7	0.7	1.0	0.9	0.5	0.3	0.2
Total	pts	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.5	0.2	0.2	0.1
Participation rate	pts	0.3	0.3	0.4	0.4	0.4	0.5	1.1	0.7	0.2	0.2	0.2
<b>Aged 15–19 years</b>												
Employed												
Full time	'000	2.6	2.0	1.7	0.8	1.2	0.3	0.3	0.3	3.4	2.6	3.9
Part time	'000	4.0	3.3	2.7	1.2	1.8	0.5	0.4	0.6	4.3	5.0	6.1
Total	'000	4.5	3.6	3.1	1.4	2.1	0.6	0.5	0.6	5.1	5.2	6.9
Unemployed												
Looking for f/t work	'000	2.9	1.8	2.7	1.0	1.7	0.4	0.3	0.3	3.8	2.9	4.8
Looking for p/t work	'000	3.3	3.6	3.0	1.4	2.0	0.4	0.1	0.3	4.5	4.4	6.3
Total	'000	4.4	4.1	4.1	1.7	2.5	0.6	0.3	0.4	5.9	5.2	7.9
Labour force	'000	4.8	4.0	3.3	1.5	2.2	0.6	0.5	0.6	5.5	5.5	7.4
Not in labour force	'000	5.9	5.0	3.8	1.8	2.8	0.7	0.8	0.8	6.9	6.6	9.1
Unemployment rate												
Looking for f/t work	pts	4.2	4.1	5.7	7.5	7.4	8.8	7.0	10.7	2.7	4.6	2.4
Looking for p/t work	pts	1.8	2.4	2.5	3.3	3.0	3.4	2.7	2.7	1.8	1.3	1.1
Total	pts	1.8	2.1	2.5	3.1	2.9	3.3	3.2	3.0	1.5	1.3	1.0
Participation rate	pts	1.0	1.0	1.1	1.5	1.4	2.0	3.4	2.6	0.7	0.8	0.5
Unemployment to population ratio – looking for f/t work	pts	0.6	0.5	0.8	1.0	1.1	1.2	1.7	1.1	0.5	0.4	0.3

## GLOSSARY

<b>Actively looked for work</b>	<p>Actively looked for work includes:</p> <ul style="list-style-type: none"> <li>■ written, telephoned or applied to an employer for work;</li> <li>■ had an interview with an employer for work;</li> <li>■ answered an advertisement for a job;</li> <li>■ checked or registered with an employment agency;</li> <li>■ taken steps to purchase or start your own business;</li> <li>■ advertised or tendered for work; and</li> <li>■ contacted friends or relatives in order to obtain work.</li> </ul>
<b>Actual hours of work</b>	<p>Actual hours of work refers to a specified reference period (e.g. a week) and includes:</p> <ul style="list-style-type: none"> <li>■ hours actually worked during normal periods of work;</li> <li>■ time spent in addition to hours worked during normal periods of work (including overtime);</li> <li>■ time spent at the place of work on activities such as the preparation of the workplace, repairs and maintenance, preparation and cleaning of tools, and the preparation of receipts, time sheets and reports;</li> <li>■ time spent at the place of work waiting or standing by due to machinery or process breakdown, accident, lack of supplies, power or internet access, etc;</li> <li>■ time corresponding to short rest periods (resting time) including tea and coffee breaks or prayer breaks;</li> <li>■ travel time connected to work (excluding commuting time); and</li> <li>■ training and skills enhancement related to the job or employer.</li> </ul> <p>Excluded are:</p> <ul style="list-style-type: none"> <li>■ hours paid for but not worked, such as paid annual leave, public holidays or paid sick leave;</li> <li>■ meal breaks (e.g. lunch breaks);</li> <li>■ paid and unpaid time 'on call';</li> <li>■ time spent on travel to and from work when no productive activity for the job is performed (e.g. commuting time); and</li> <li>■ time off during working hours to attend outside educational activities, even if it is authorised, e.g. those not connected to the job or employer.</li> </ul> <p>For multiple job holders the LFS collects a separate measure of actual hours worked in main job and in all jobs.</p>
<b>Attending full time education</b>	Persons aged 15-24 years enrolled at secondary or high school or enrolled as a full time student at a Technical and Further Education (TAFE) college, university, or other educational institution in the reference week.
<b>Attending school</b>	Persons aged 15-19 years enrolled at secondary or high school in the reference week.
<b>Attending tertiary educational institution full time</b>	Persons aged 15-24 years enrolled full time at a TAFE college, university, or other educational institution in the reference week, except those persons aged 15-19 years who were still attending school.
<b>Civilian population aged 15 years and over</b>	All usual residents of Australia aged 15 years and over except members of the permanent defence forces, certain diplomatic personnel of overseas governments customarily excluded from census and estimated population counts, overseas residents in Australia, and members of non-Australian defence forces (and their dependants) stationed in Australia.
<b>Composite Estimation</b>	The estimation methodology used in the Labour Force Survey. Composite Estimation uses sample responses from nearby months as well as from the reference month to derive estimates for the reference month. This approach achieves gains in efficiency by exploiting the high similarity between the responses provided by the same respondent in previous months. For details see <i>Information Paper: Forthcoming Changes to Labour Force Statistics, 2007</i> (cat. no. 6292.0).
<b>Employed</b>	All persons aged 15 years and over who met one of the following criteria during the

## GLOSSARY *continued*

<b>Employed</b> <i>continued</i>	<p>reference week:</p> <ul style="list-style-type: none"> <li>■ Worked for one hour or more for pay, profit, commission or payment in kind, in a job or business or on a farm (employees and owner managers of incorporated or unincorporated enterprises).</li> <li>■ Worked for one hour or more without pay in a family business or on a farm (contributing family workers).</li> <li>■ Were employees who had a job but were not at work and were: <ul style="list-style-type: none"> <li>■ away from work for less than four weeks up to the end of the reference week; or</li> <li>■ away from work for more than four weeks up to the end of the reference week and received pay for some or all of the four week period to the end of the reference week; or</li> <li>■ away from work as a standard work or shift arrangement; or</li> <li>■ on strike or locked out; or</li> <li>■ on workers' compensation and expected to return to their job.</li> </ul> </li> <li>■ Were owner managers who had a job, business or farm, but were not at work.</li> </ul>
<b>Employed full-time</b>	Includes employed persons who usually worked 35 hours or more a week (in all jobs) and those who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.
<b>Employed part-time</b>	Includes employed persons who usually worked less than 35 hours a week (in all jobs) and either did so during the reference week, or were not at work in the reference week.
<b>Employment to population ratio</b>	For any group, the number of employed persons expressed as a percentage of the civilian population in the same group.
<b>Estimated resident population (ERP)</b>	Estimated resident population (ERP), is Australia's official measure of the population of Australia and is based on the concept of usual residence. It refers to all people, regardless of nationality, citizenship or legal status, who usually live in Australia, with the exception of foreign diplomatic personnel and their families. It includes usual residents who are overseas for fewer than 12 months. It excludes overseas visitors who are in Australia for fewer than 12 months. Refer to Australian Demographic Statistics (cat. no. 3101.0).
<b>Flow estimates</b>	Flow estimates are a measure of activity over a given period. For example, monthly hours worked in all jobs is a measure of the total number of hours worked in a calendar month.
<b>Gross flows</b>	<p>The matching of respondents who report in consecutive months enables analysis of the transition of individuals between the different labour force status classifications, referred to as the matched sample. The transition counts between the different labour force status classifications from one point in time to the next are commonly referred to as gross flows.</p> <p>The figures presented in gross flows are presented in original terms only and do not align with published labour force estimates. The gross flows figures are derived from the matched sample between consecutive months, which after taking account of the sample rotation and varying non-response in each month is approximately 80 percent of the sample.</p> <p>Caution should be exercised when analysing these gross flows data due to:</p> <ul style="list-style-type: none"> <li>■ the figures presented sum to approximately 80 percent of the population values as the gross flows data are based on the matched sample only;</li> <li>■ there is no adjustment applied to account for changes due to seasonal patterns (referred to commonly as seasonal adjustment); and</li> <li>■ the estimates of relative sizes of each transition class are subject to bias due to the matched sample being a non-representative sample.</li> </ul>
<b>Labour force</b>	For any group, persons who were employed or unemployed, as defined.

## GLOSSARY *continued*

<b>Labour force status</b>	A classification of the civilian population aged 15 years and over into employed, unemployed or not in the labour force, as defined. The definitions conform closely to the international standard definitions adopted by the International Conferences of Labour Statisticians.
<b>Long-term unemployed</b>	The number of persons unemployed for 52 weeks or over.
<b>Long-term unemployment ratio</b>	The number of long-term unemployed persons, expressed as a percentage of the total unemployed population.
<b>Market sector</b>	The market sector is an industry grouping comprising the following industries: Agriculture, forestry and fishing; Mining; Manufacturing; Electricity, gas, water and waste services; Construction; Wholesale trade; Retail trade; Accommodation and food services; Transport, postal and warehousing; Information media and telecommunications; Finance and insurance services; Rental, hiring and real estate services; Professional, scientific and technical services; Administrative and support services; Arts and recreation services; and Other services. Refer to <i>Australian National Accounts: Concepts, Sources and Methods</i> (cat. no. 5216.0).
<b>Non-market Sector</b>	The non-market sector is an industry grouping comprising the following industries: Education and training; Public administration & safety; and Health care and social assistance. Refer to <i>Australian National Accounts: Concepts, Sources and Methods</i> (cat. no. 5216.0).
<b>Monthly hours worked in all jobs</b>	<p>Monthly hours worked in all jobs measures the total number of actual hours worked by employed persons in a calendar month. It differs from the actual hours worked estimates (and the usual hours worked estimates) since these refer only to the hours worked in the reference week.</p> <p>The methodology used to produce monthly hours worked in all jobs means that these are synthetic estimates. Seasonally adjusted and trend estimates of monthly hours worked in all jobs are available for the period July 1978 onwards.</p> <p>Further information on the methodology used to produce the monthly hours worked in all jobs estimates is available on the ABS website in <i>Information Paper: Expansion of Hours Worked Estimates from the Labour Force Survey</i> (cat. no. 6290.0.55.001).</p> <p>Actual and usual hours worked cannot be aggregated across time to produce either quarterly or annual estimates as they relate to only a single week in the month. In contrast, monthly hours worked in all jobs estimates are a true monthly measure, and may be aggregated across time to produce both quarterly and annual estimates.</p>
<b>Not in labour force</b>	Persons who were not in the categories employed or unemployed, as defined. They include people who undertook unpaid household duties or other voluntary work only, were retired, voluntarily inactive and those permanently unable to work.
<b>Participation rate</b>	For any group, the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.
<b>Response rate</b>	The number of fully responding dwellings expressed as a percentage of the total number of dwellings excluding sample loss. Examples of sample loss include: dwellings where all persons are out of scope and/or coverage; vacant dwellings; dwellings under construction; dwellings converted to non-dwellings; derelict dwellings; and demolished dwellings.
<b>Seasonally adjusted series</b>	A time series of estimates with the estimated effects of normal seasonal variation removed. See Explanatory Notes for more detail.
<b>Stock estimates</b>	Stock estimates are a measure of certain attributes at a point in time and can be thought of as stocktakes. For example, the total number of employed persons is an account of the number of people who were considered employed in the Labour Force Survey reference week.

## GLOSSARY *continued*

Trend series	A smoothed seasonally adjusted series of estimates. See Explanatory Notes for more detail.
Underemployment rate (proportion of labour force)	The number of underemployed workers expressed as a percentage of the labour force.
Underemployment ratio (proportion of employed)	The number of underemployed workers expressed as a percentage of total employed persons.
Underemployed workers	<p>Employed persons aged 15 years and over who want, and are available for, more hours of work than they currently have. They comprise:</p> <ul style="list-style-type: none"> <li>■ persons employed part time who want to work more hours and are available to start work with more hours, either in the reference week or in the four weeks subsequent to the survey; or</li> <li>■ persons employed full time who worked part time hours in the reference week for economic reasons (such as being stood down or insufficient work being available). It is assumed that these people wanted to work full time in the reference week and would have been available to do so.</li> </ul>
Underutilisation rate	The sum of the number of persons unemployed and the number of persons in underemployment, expressed as a proportion of the labour force.
Unemployed	<p>Persons aged 15 years and over who were not employed during the reference week, and:</p> <ul style="list-style-type: none"> <li>■ had actively looked for full time or part time work at any time in the four weeks up to the end of the reference week and were available for work in the reference week; or</li> <li>■ were waiting to start a new job within four weeks from the end of the reference week and could have started in the reference week if the job had been available then.</li> </ul>
Unemployed looked for full time work	<p>Unemployed persons who:</p> <ul style="list-style-type: none"> <li>■ actively looked for full time work; or</li> <li>■ were waiting to start a new full time job.</li> </ul>
Unemployed looked for only part time work	<p>Unemployed persons who:</p> <ul style="list-style-type: none"> <li>■ actively looked for part time work only; or</li> <li>■ were waiting to start a new part time job.</li> </ul>
Unemployment rate	For any group, the number of unemployed persons expressed as a percentage of the labour force in the same group.
Usual hours of work	Usual hours of work refers to a typical period rather than the hours worked in a specified reference period. The concept of usual hours applies both to persons at work and to persons temporarily absent from work, and is defined as the hours worked during a typical week or day. Actual hours worked (for a specific reference period) may differ from usual hours worked due to illness, vacation, strike, overtime work, a change of job, or similar reasons.

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