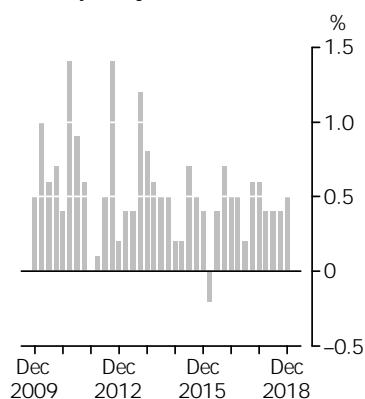


CONSUMER PRICE INDEX

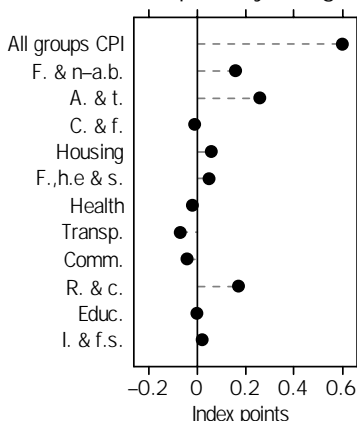
AUSTRALIA

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All Groups CPI
Quarterly change



Contribution to quarterly change



KEY FIGURES

WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES

	<i>Sep Qtr 2018 to Dec Qtr 2018</i>	<i>Dec Qtr 2017 to Dec Qtr 2018</i>
	<i>% change</i>	<i>% change</i>
All groups CPI	0.5	1.8
Food and non-alcoholic beverages	0.9	1.5
Alcohol and tobacco	3.2	6.8
Clothing and footwear	-0.2	-0.7
Housing	0.2	1.5
Furnishings, household equipment and services	0.5	-0.8
Health	-0.4	3.3
Transport	-0.7	2.8
Communication	-1.3	-4.3
Recreation and culture	1.1	1.7
Education	0.0	2.7
Insurance and financial services	0.3	1.5
CPI analytical series		
All groups CPI, seasonally adjusted	0.4	1.8
Trimmed mean	0.4	1.8
Weighted median	0.4	1.7

KEY POINTS

THE ALL GROUPS CPI

- rose 0.5% this quarter, compared with a rise of 0.4% in the September quarter 2018.
- rose 1.8% over the twelve months to the December quarter 2018, compared with a rise of 1.9% over the twelve months to the September quarter 2018.

OVERVIEW OF CPI MOVEMENTS

- The most significant price rises this quarter are tobacco (+9.4%), domestic holiday travel and accommodation (+6.2%), fruit (+5.0%) and new dwelling purchase by owner-occupiers (+0.4%).
- The most significant price falls this quarter are automotive fuel (-2.5%), audio visual and computing equipment (-3.3%), wine (-1.9%), and telecommunications equipment and services (-1.5%).

INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

NOTES

FORTHCOMING ISSUES

<i>ISSUE (Quarter)</i>	<i>RELEASE DATE</i>
March 2019	24 April 2019
June 2019	31 July 2019
September 2019	30 October 2019
December 2019	29 January 2020

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CHANGES IN THIS ISSUE

This issue includes the introduction of updated weighting patterns using 2016-17 Household Final Consumption Expenditure data available from the Australian System of National Accounts (cat. no. 5204.0). For more details on these changes and the updated weighting patterns, refer to Information Paper: Introduction of the Consumer Price Index Weight Update, 2018 (cat. no. 6470.0.55.002).

The CPI Annual Seasonal Re-analysis (ASR) was conducted in the December quarter 2018. The ASR assesses the CPI seasonal patterns in more detail than is possible in the quarterly processing cycle. The outcomes of the ASR are provided in the Appendix to this issue.

Changes to the seasonally adjusted CPI series do not affect the original CPI series.

For more information about seasonal adjustment, see paragraphs 14 to 17 of the Explanatory notes.

ROUNDING

Any discrepancies between totals and sums of components in this publication are due to rounding.

PRIVACY

The *ABS Privacy Policy* outlines how the ABS will handle any personal information that you provide to the ABS.

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ABBREVIATIONS

ABS Australian Bureau of Statistics
CPI Consumer Price Index
n.e.c. not elsewhere classified

David W. Kalisch
Australian Statistician

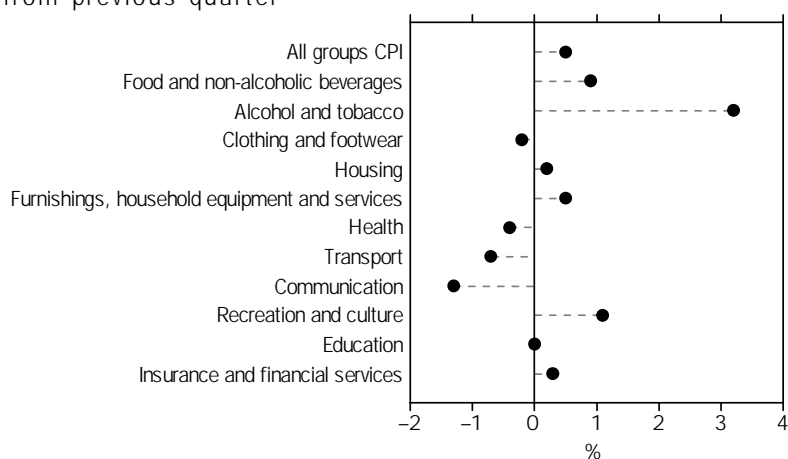
MAIN CONTRIBUTORS TO CHANGE

MAIN CONTRIBUTORS TO CHANGE

CPI GROUPS

The discussion of the CPI groups below is ordered in terms of their absolute significance to the change in All groups index points for the quarter (see Tables 6 and 7). Unless otherwise stated, the analysis is in original terms.

WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES, Percentage change from previous quarter



ALCOHOL AND TOBACCO GROUP (+3.2%)

The main contributor to the rise in the alcohol and tobacco group this quarter is tobacco (+9.4%). The rise in tobacco is due to the effects of the 12.5% increase in the federal excise tax and the further increase based on Average Weekly Ordinary Time Earnings (AWOTE), effective from 1 September 2018.

Over the twelve months to the December quarter 2018, the alcohol and tobacco group rose 6.8%.

In seasonally adjusted terms, the alcohol and tobacco group rose 1.6% this quarter. The main contributor to the rise is tobacco (+4.4%).

RECREATION AND CULTURE GROUP (+1.1%)

The main contributor to the rise in the recreation and culture group this quarter is domestic holiday travel and accommodation (+6.2%). The rise in domestic holiday travel and accommodation is due to the October school holidays and the lead up to the peak summer holiday period.

Over the twelve months to the December quarter 2018, the recreation and culture group rose 1.7%.

In seasonally adjusted terms, the recreation and culture group rose 0.2% this quarter. The main contributor to the rise is domestic holiday travel and accommodation (+0.9%).

FOOD AND NON-ALCOHOLIC BEVERAGES GROUP (+0.9%)

The main contributors to the rise in the food and non-alcoholic beverages group this quarter are fruit (+5.0%), due to seasonal rises in lemons, apples, bananas and strawberries. Meat and seafoods (+1.6%), have been impacted by drought conditions in the eastern states, impacting supply and prices, particularly for lamb and goat (+6.8%).

Over the twelve months to the December quarter 2018, the food and non-alcoholic beverages group rose 1.5%.

MAIN CONTRIBUTORS TO CHANGE *continued*

FOOD AND
NON-ALCOHOLIC
BEVERAGES GROUP
(+0.9%) *continued*

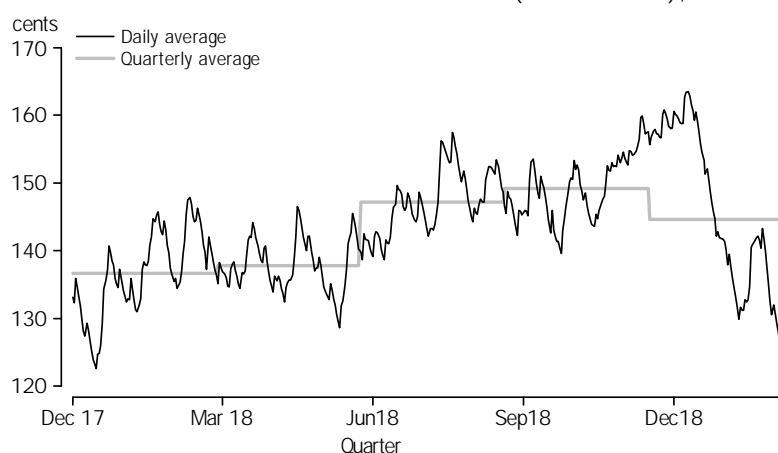
In seasonally adjusted terms, the food and non-alcoholic beverages group rose 0.5% this quarter. The main contributor to the rise is lamb and goat (+6.3%).

TRANSPORT GROUP
(-0.7%)

The main contributor to the fall in the transport group this quarter is automotive fuel (-2.5%) due to falls in world oil prices flowing through to petrol prices. Automotive fuel rose in October (+3.3%), and fell in November (-10.8%) and December (-5.0%).

The following graph shows the pattern of the average daily prices for unleaded petrol for the eight capital cities over the last fifteen months.

AVERAGE PRICE OF UNLEADED PETROL (91 OCTANE), cents per litre



Over the twelve months to the December quarter 2018, the transport group rose 2.8%. The main contributor to the rise is automotive fuel (+6.7%).

In seasonally adjusted terms, the transport group fell 0.4% in the December quarter 2018. The main contributor to the fall is automotive fuel (-2.5%).

HOUSING GROUP (+0.2%)

The main contributors to the rise in the housing group this quarter are new dwelling purchase by owner-occupiers (+0.4%), electricity (+0.9%), maintenance and repair of the dwelling (+0.7%) and rents (+0.2%). The rise is partially offset by a fall in gas and other household fuels (-1.4%) due to the seasonal switch to off-peak pricing in Melbourne.

Over the twelve months to the December quarter 2018, the housing group rose 1.5%.

In seasonally adjusted terms, the housing group rose 0.4% this quarter. The main contributors to the rise are electricity (+1.3%) and new dwelling purchase by owner-occupiers (+0.4%).

FURNISHINGS,
HOUSEHOLD EQUIPMENT
AND SERVICES GROUP
(+0.5%)

The main contributors to the rise in the furnishings, household equipment and services group this quarter are furniture (+1.8%) and child care (+1.4%).

Over the twelve months to the December quarter 2018, the furnishings, household equipment and services group fell 0.8%.

MAIN CONTRIBUTORS TO CHANGE *continued*

FURNISHINGS,
HOUSEHOLD EQUIPMENT
AND SERVICES GROUP
(+0.5%) *continued*

In seasonally adjusted terms, the furnishings, household equipment and services group rose 0.9% this quarter. The main contributors to the rise are furniture (+1.8%) and child care (+1.8%).

COMMUNICATION GROUP
(-1.3%)

The main contributor to the fall in the communication group this quarter is telecommunication equipment and services (-1.5%).

Over the twelve months to the December quarter 2018, the communication group fell 4.3%.

The communication group is not seasonally adjusted.

HEALTH GROUP (-0.4%)

The main contributor to the fall in the health group this quarter is pharmaceutical products (-1.9%). The fall is due to the cyclical effect of a greater proportion of consumers who qualify for subsidies under the Pharmaceutical Benefits Scheme (PBS), reducing out-of-pocket expenses.

Over the twelve months to the December quarter 2018, the health group rose 3.3%. The main contributor to the annual rise is medical and hospital services (+4.3%).

In seasonally adjusted terms, the health group rose 1.0% this quarter. The main contributor to the rise is medical and hospital services (+1.4%).

INSURANCE AND
FINANCIAL SERVICES
GROUP (+0.3%)

The main contributor to the rise in the insurance and financial services group this quarter is insurance (+0.6%).

Over the twelve months to the December quarter 2018, the insurance and financial services group rose 1.5%.

In seasonally adjusted terms, the insurance and financial services group rose 0.2% this quarter. The main contributor to the rise is other financial services (+0.3%).

CLOTHING AND
FOOTWEAR GROUP
(-0.2%)

The main contributor to the fall in the clothing and footwear group this quarter is footwear for women (-3.6%) and garments for women (-0.9%) due to ongoing competition and discounting activity in the retail industry.

Over the twelve months to the December quarter 2018, the clothing and footwear group fell 0.7%.

In seasonally adjusted terms, the clothing and footwear group fell 0.2% this quarter.

EDUCATION GROUP
(0.0%)

The education group recorded no change this quarter.

Over the twelve months to the December quarter 2018, the education group rose 2.7%. The main contributors to the rise are secondary education (+3.3%) and preschool and primary education (+2.1%).

In seasonally adjusted terms, the education group rose 0.8% this quarter. The main contributor to the rise is secondary education (+0.9%).

MAIN CONTRIBUTORS TO CHANGE *continued*

INTERNATIONAL TRADE EXPOSURE - TRADABLES AND NON-TRADABLES

The tradables component of the All groups CPI fell 0.3% in the December quarter 2018. The tradable goods component fell 0.1% due to automotive fuel (-2.5%), audio, visual and comp equipment (-3.3%) and wine (-1.9%). The tradable services component fell 0.7% due to international holiday travel and accommodation (-0.8%).

The non-tradables component of the All groups CPI rose 0.9% in the December quarter 2018. The non-tradable goods component rose 1.5%, due to the excise tax increase for tobacco (+9.4%). The non-tradable services component rose 0.6%, due to domestic holiday travel and accommodation (+6.2%).

Over the twelve months to the December quarter 2018, the tradables component rose 0.6% and the non-tradables component rose 2.4%.

In seasonally adjusted terms, the tradables component of the All groups CPI fell 0.1% and the non-tradables component rose 0.8%.

SEASONALLY ADJUSTED ANALYTICAL SERIES

In the December quarter 2018 the All groups CPI seasonally adjusted rose 0.4%.

The trimmed mean rose 0.4% in the December quarter 2018, following a revised rise of 0.4% in the September quarter 2018. Over the twelve months to the December quarter 2018, the trimmed mean rose 1.8%, following a revised rise of 1.8% over the twelve months to the September quarter 2018.

The weighted median rose 0.4% in the December quarter 2018, following a revised rise of 0.4% in the September quarter 2018. Over the twelve months to the December quarter 2018, the weighted median rose 1.7%, following a revised rise of 1.8% over the twelve months to the September quarter 2018.

	ORIGINAL	SEASONALLY ADJUSTED
	<i>Sep Qtr 2018 to Dec Qtr 2018</i>	<i>Sep Qtr 2018 to Dec Qtr 2018</i>
	%	%
All groups CPI	0.5	0.4
Food and non-alcoholic beverages	0.9	0.5
Alcohol and tobacco	3.2	1.6
Clothing and footwear	-0.2	-0.2
Housing	0.2	0.4
Furnishings, household equipment and services	0.5	0.9
Health	-0.4	1.0
Transport	-0.7	-0.4
Communication(a)	-1.3	-1.3
Recreation and culture	1.1	0.2
Education	0.0	0.8
Insurance and financial services	0.3	0.2
International trade exposure series		
Tradables	-0.3	-0.1
Non-tradables	0.9	0.8

(a) not seasonally adjusted

MAIN CONTRIBUTORS TO CHANGE *continued*

SEASONALLY ADJUSTED
ANALYTICAL SERIES
continued

A detailed explanation of the seasonal adjustment of the All Groups CPI and calculation of the trimmed mean and weighted median measures is available in *Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011* (cat. no. 6401.0.55.003) available on the ABS website. Revisions to the seasonally adjusted estimates can be the result of the application of concurrent seasonal adjustment, described in paragraph 15 of the Explanatory Notes.

CAPITAL CITIES COMPARISON

CAPITAL CITIES COMPARISON

ALL GROUPS CPI

ALL GROUPS CPI, Percentage change from previous quarter



At the All groups level, the CPI rose in all eight capital cities.

The alcohol and tobacco group (+3.2%) is the most significant positive contributor to the All groups quarterly movement, with rises in all eight capital cities. The rise is due to tobacco (+9.4%), due to the effects of the 12.5% federal excise tax increase and the further increase based on Average Weekly Ordinary Time Earnings (AWOTE), effective from 1 September 2018.

The recreation and culture group (+1.1%) is the second most significant positive contributor to the All groups quarterly movement, with rises in seven out of eight capital cities. The rise is due to domestic holiday travel and accommodation (+6.2%), due to increased demand over the October school holidays and the lead up to the peak summer holiday period.

The food and non-alcoholic beverages group (+0.9%) is the third most significant positive contributor to the All groups quarterly movement, with rises in all eight capital cities. The rise is due to fruit (+5.0%), due to seasonal growing patterns.

The most significant negative contributor to the All groups quarterly movement is the transport group (-0.7%), with falls in six out of eight capital cities. The fall is due to automotive fuel (-2.5%), due to falls in world oil prices.

The second most significant negative contributor to the All groups quarterly movement is the communication group (-1.3%), with falls in all eight capital cities. The fall is due to telecommunications equipment and services (-1.5%).

Over the twelve months to December quarter 2018, the All groups CPI (+1.8%) has risen in all eight capital cities, with Hobart (+3.0%), Canberra (+2.5%), and Melbourne (+2.0%) recording the largest movements.

CAPITAL CITIES COMPARISON *continued*

ALL GROUPS CPI *continued*

ALL GROUPS CPI, All groups index numbers and percentage changes

	INDEX	PERCENTAGE CHANGE	
	NUMBER(a)		
	<i>Dec Qtr 2018</i>	<i>Sep Qtr 2018 to Dec Qtr 2018</i>	<i>Dec Qtr 2017 to Dec Qtr 2018</i>
Sydney	115.2	0.4	1.7
Melbourne	114.6	0.5	2.0
Brisbane	114.0	0.5	1.5
Adelaide	113.0	0.5	1.6
Perth	111.3	0.5	1.3
Hobart	113.6	1.2	3.0
Darwin	111.0	0.2	1.2
Canberra	113.1	0.7	2.5
Weighted average of eight capital cities	114.1	0.5	1.8

(a) Index reference period: 2011-12 = 100.0.

SYDNEY (+0.4%)

The main contributors to the rise in Sydney this quarter are tobacco (+9.5), domestic holiday travel and accommodation (+5.5%), fruit (+5.0%) and new dwelling purchase by owner-occupiers (+0.8%). The rise is partially offset by falls in automotive fuel (-3.8%) and telecommunications equipment and services (-1.5%). Sydney had the largest fall in automotive fuel of all the capital cities for the quarter.

MELBOURNE (+0.5%)

The main contributors to the rise in Melbourne this quarter are tobacco (+9.2%), domestic holiday travel and accommodation (+7.5%) and fruit (+4.7%). The rise is partially offset by falls in automotive fuel (-2.3%), wine (-2.7%), and gas and other household fuels (-3.0%). The fall in gas and other household fuels is due to the seasonal switch to off-peak pricing in Melbourne on 1 November.

BRISBANE (+0.5%)

The main contributors to the rise in Brisbane this quarter are tobacco (+9.9%), domestic holiday travel and accommodation (+4.7%) and electricity (+4.0%). The rise is partially offset by falls in automotive fuel (-3.3%). Brisbane had the second largest fall in automotive fuel of all the capital cities for the quarter.

ADELAIDE (+0.5%)

The main contributors to the rise in Adelaide this quarter are tobacco (+9.3%), domestic holiday travel and accommodation (+8.2%) and fruit (+3.6%). The rise is partially offset by falls in international holiday travel and accommodation (-2.8%) and audio, visual and computing equipment (-4.4%).

PERTH (+0.5%)

The main contributors to the rise in Perth this quarter are tobacco (+9.2%), domestic holiday travel and accommodation (+6.8%) and fruit (+4.7%). The rise is partially offset by falls in automotive fuel (-1.8%), rents (-1.2%), and audio, visual and computing equipment (-4.3%). The fall in rents is due to continued weak demand and high vacancy rates.

HOBART (+1.2%)

The main contributors to the rise in Hobart this quarter are domestic holiday travel and accommodation (+15.5%), tobacco (+9.7%), automotive fuel (+1.6%) and rents (+1.3%). The rise is partially offset by falls in audio, visual and computing equipment (-3.2%) and telecommunications equipment and services (-1.6%). Hobart's rise this

CAPITAL CITIES COMPARISON *continued*

HOBART (+1.2%) *continued*

quarter is due to a number of factors: strong tourism demand from both domestic and international visitors is leading to price rises in airfares; Hobart is one of only two capital cities to record a price rise in automotive fuel for the quarter; and low vacancy rates is seeing price rises in rents.

DARWIN (+0.2%)

The main contributors to the rise in Darwin this quarter are tobacco (+9.7%), wine (+11.5%), sports participation (+10.7%) and beer (+1.5%). The rise is partially offset by falls in domestic holiday travel and accommodation (-9.1%), due to reduced demand for domestic airfares during the 'wet season' in the Northern Territory. The rise in wine is driven by the implementation of a price floor of \$1.30 per standard drink of alcohol by the Northern Territory Government on 1 October 2018.

CANBERRA (+0.7%)

The main contributors to the rise in Canberra this quarter are tobacco (+9.7%), domestic holiday travel and accommodation (+3.1%), and automotive fuel (+2.9%). The rise is partially offset by falls in audio, visual and computing equipment (-4.0%), telecommunication equipment and services (-1.5%), and international holiday travel and accommodation (-0.7%). Canberra is one of only two cities to record a rise in automotive fuel for the quarter due to an increase in retail fuel margins.

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ALL GROUPS CPI, Index numbers(a)

<i>Period</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
2014-15	107.3	106.5	106.8	106.3	107.2	104.9	108.4	105.3	106.8
2015-16	108.9	108.2	108.5	107.2	108.2	106.3	108.5	106.1	108.3
2016-17	111.1	110.2	110.4	108.9	108.9	108.2	108.7	108.1	110.2
2017-18	113.4	112.7	112.3	111.3	109.9	110.5	109.7	110.7	112.3
2014									
December	106.8	106.3	106.7	106.2	107.0	104.7	108.5	105.3	106.6
2015									
March	107.3	106.4	106.7	106.3	107.1	105.0	108.3	105.2	106.8
June	108.3	107.1	107.4	106.8	107.7	105.1	108.3	105.6	107.5
September	108.6	107.6	108.1	107.1	108.1	105.7	108.7	105.8	108.0
December	108.9	108.3	108.5	107.3	108.6	106.6	109.0	106.0	108.4
2016									
March	108.7	108.2	108.5	107.0	107.9	106.4	108.0	106.2	108.2
June	109.3	108.6	109.0	107.5	108.2	106.4	108.3	106.4	108.6
September	110.4	109.1	109.7	108.4	108.6	107.1	108.7	107.3	109.4
December	110.9	109.9	110.2	108.7	109.0	108.0	108.6	107.9	110.0
2017									
March	111.3	110.9	110.5	109.1	109.0	108.9	108.5	108.6	110.5
June	111.7	111.0	111.0	109.2	109.0	108.9	108.8	108.6	110.7
September	112.5	111.5	111.4	110.4	109.5	109.2	109.4	109.6	111.4
December	113.3	112.3	112.3	111.2	109.9	110.3	109.7	110.3	112.1
2018									
March	113.6	113.3	112.4	111.6	110.0	111.1	109.7	111.2	112.6
June	114.0	113.8	112.9	112.1	110.2	111.5	110.1	111.6	113.0
September	114.7	114.0	113.4	112.4	110.8	112.2	110.8	112.3	113.5
December	115.2	114.6	114.0	113.0	111.3	113.6	111.0	113.1	114.1

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

ALL GROUPS CPI, Percentage changes

<i>Period</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
PERCENTAGE CHANGE (from previous financial year)									
2014-15	2.0	1.4	1.8	1.5	1.8	1.2	1.4	1.1	1.7
2015-16	1.5	1.6	1.6	0.8	0.9	1.3	0.1	0.8	1.4
2016-17	2.0	1.8	1.8	1.6	0.6	1.8	0.2	1.9	1.8
2017-18	2.1	2.3	1.7	2.2	0.9	2.1	0.9	2.4	1.9
PERCENTAGE CHANGE (from corresponding quarter of previous year)									
2014									
December	1.7	1.4	2.0	1.7	2.0	1.1	1.9	1.2	1.7
2015									
March	1.6	1.0	1.4	1.1	1.4	0.9	0.8	0.6	1.3
June	2.2	1.1	1.5	1.2	1.2	0.6	0.2	0.8	1.5
September	1.9	1.4	1.5	1.1	1.1	1.1	0.4	0.6	1.5
December	2.0	1.9	1.7	1.0	1.5	1.8	0.5	0.7	1.7
2016									
March	1.3	1.7	1.7	0.7	0.7	1.3	-0.3	1.0	1.3
June	0.9	1.4	1.5	0.7	0.5	1.2	0.0	0.8	1.0
September	1.7	1.4	1.5	1.2	0.5	1.3	0.0	1.4	1.3
December	1.8	1.5	1.6	1.3	0.4	1.3	-0.4	1.8	1.5
2017									
March	2.4	2.5	1.8	2.0	1.0	2.3	0.5	2.3	2.1
June	2.2	2.2	1.8	1.6	0.7	2.3	0.5	2.1	1.9
September	1.9	2.2	1.5	1.8	0.8	2.0	0.6	2.1	1.8
December	2.2	2.2	1.9	2.3	0.8	2.1	1.0	2.2	1.9
2018									
March	2.1	2.2	1.7	2.3	0.9	2.0	1.1	2.4	1.9
June	2.1	2.5	1.7	2.7	1.1	2.4	1.2	2.8	2.1
September	2.0	2.2	1.8	1.8	1.2	2.7	1.3	2.5	1.9
December	1.7	2.0	1.5	1.6	1.3	3.0	1.2	2.5	1.8
PERCENTAGE CHANGE (from previous quarter)									
2014									
December	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.1	0.2
2015									
March	0.5	0.1	0.0	0.1	0.1	0.3	-0.2	-0.1	0.2
June	0.9	0.7	0.7	0.5	0.6	0.1	0.0	0.4	0.7
September	0.3	0.5	0.7	0.3	0.4	0.6	0.4	0.2	0.5
December	0.3	0.7	0.4	0.2	0.5	0.9	0.3	0.2	0.4
2016									
March	-0.2	-0.1	0.0	-0.3	-0.6	-0.2	-0.9	0.2	-0.2
June	0.6	0.4	0.5	0.5	0.3	0.0	0.3	0.2	0.4
September	1.0	0.5	0.6	0.8	0.4	0.7	0.4	0.8	0.7
December	0.5	0.7	0.5	0.3	0.4	0.8	-0.1	0.6	0.5
2017									
March	0.4	0.9	0.3	0.4	0.0	0.8	-0.1	0.6	0.5
June	0.4	0.1	0.5	0.1	0.0	0.0	0.3	0.0	0.2
September	0.7	0.5	0.4	1.1	0.5	0.3	0.6	0.9	0.6
December	0.7	0.7	0.8	0.7	0.4	1.0	0.3	0.6	0.6
2018									
March	0.3	0.9	0.1	0.4	0.1	0.7	0.0	0.8	0.4
June	0.4	0.4	0.4	0.4	0.2	0.4	0.4	0.4	0.4
September	0.6	0.2	0.4	0.3	0.5	0.6	0.6	0.6	0.4
December	0.4	0.5	0.5	0.5	0.5	1.2	0.2	0.7	0.5

CPI GROUPS, Weighted average of eight capital cities—Index numbers(a)

<i>Period</i>	<i>Food and non-alcoholic beverages</i>	<i>Alcohol and tobacco</i>	<i>Clothing and footwear</i>	<i>Housing</i>	<i>Furnishings, household equipment and services</i>	<i>Health</i>
2014-15	103.9	116.7	97.9	111.7	102.5	116.5
2015-16	104.1	123.5	97.5	113.9	104.3	122.1
2016-17	105.9	130.8	97.2	116.4	104.9	126.7
2017-18	105.9	140.3	94.3	120.2	104.4	131.6
2014						
December	103.9	116.4	98.2	111.2	102.6	114.0
2015						
March	104.1	117.3	96.9	112.1	102.1	116.9
June	103.9	118.7	98.2	112.9	103.1	120.1
September	104.0	120.2	97.1	113.6	103.9	120.5
December	104.3	123.4	98.7	113.7	104.5	120.0
2016						
March	104.1	124.5	96.1	114.0	104.1	122.3
June	103.8	125.7	98.0	114.4	104.7	125.5
September	105.6	127.1	98.3	115.6	105.9	125.2
December	106.2	130.7	97.8	115.9	105.1	124.4
2017						
March	106.0	132.1	96.4	116.8	104.0	126.9
June	105.8	133.1	96.1	117.2	104.7	130.3
September	104.9	136.0	95.2	119.4	105.1	130.1
December	106.0	140.3	94.9	119.8	104.3	129.4
2018						
March	106.5	141.3	93.0	120.6	103.9	132.2
June	106.1	143.5	94.2	120.8	104.2	134.7
September	106.6	145.3	94.4	121.3	103.0	134.2
December	107.6	149.9	94.2	121.6	103.5	133.7

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

<i>Period</i>	<i>Transport</i>	<i>Communication</i>	<i>Recreation and culture</i>	<i>Education</i>	<i>Insurance and financial services</i>	<i>All groups CPI</i>
2014–15	100.8	99.7	102.8	117.6	106.3	106.8
2015–16	99.1	93.7	103.7	122.7	108.6	108.3
2016–17	99.6	88.5	103.7	126.8	111.4	110.2
2017–18	103.1	85.5	104.3	130.5	112.9	112.3
2014						
December	101.1	100.5	103.0	114.5	106.4	106.6
2015						
March	97.7	99.1	103.7	120.6	106.6	106.8
June	101.0	98.5	102.3	120.6	106.9	107.5
September	101.1	96.5	103.1	120.8	107.4	108.0
December	99.7	94.2	104.8	120.8	108.3	108.4
2016						
March	97.2	92.8	103.8	124.6	109.0	108.2
June	98.2	91.4	103.1	124.6	109.5	108.6
September	97.7	89.3	103.7	124.8	110.5	109.4
December	99.4	88.6	104.3	124.8	111.2	110.0
2017						
March	100.9	88.3	103.6	128.7	111.9	110.5
June	100.3	87.9	103.0	128.7	111.8	110.7
September	100.3	86.7	104.3	128.7	112.5	111.4
December	102.7	85.6	104.9	128.8	112.7	112.1
2018						
March	103.8	85.3	104.2	132.1	113.0	112.6
June	105.5	84.2	103.8	132.2	113.5	113.0
September	106.3	83.0	105.5	132.3	114.1	113.5
December	105.6	81.9	106.7	132.3	114.4	114.1

(a) Unless otherwise specified, reference period of each index: 2011–12 = 100.0.

CPI GROUPS, Weighted average of eight capital cities—Percentage changes

	<i>Food and non-alcoholic beverages</i>	<i>Alcohol and tobacco</i>	<i>Clothing and footwear</i>	<i>Housing</i>	<i>Furnishings, household equipment and services</i>	<i>Health</i>
PERCENTAGE CHANGE (from previous financial year)						
2014-15	2.1	6.1	-1.4	2.5	1.0	4.4
2015-16	0.2	5.8	-0.4	2.0	1.8	4.8
2016-17	1.7	5.9	-0.3	2.2	0.6	3.8
2017-18	0.0	7.3	-3.0	3.3	-0.5	3.9
PERCENTAGE CHANGE (from corresponding quarter of previous year)						
2014						
December	2.0	7.4	-1.5	2.4	0.5	4.4
2015						
March	1.9	5.2	-0.7	2.7	1.5	4.4
June	1.3	4.8	-0.9	2.5	1.4	4.3
September	0.2	5.0	-1.0	2.7	1.8	4.8
December	0.4	6.0	0.5	2.2	1.9	5.3
2016						
March	0.0	6.1	-0.8	1.7	2.0	4.6
June	-0.1	5.9	-0.2	1.3	1.6	4.5
September	1.5	5.7	1.2	1.8	1.9	3.9
December	1.8	5.9	-0.9	1.9	0.6	3.7
2017						
March	1.8	6.1	0.3	2.5	-0.1	3.8
June	1.9	5.9	-1.9	2.4	0.0	3.8
September	-0.7	7.0	-3.2	3.3	-0.8	3.9
December	-0.2	7.3	-3.0	3.4	-0.8	4.0
2018						
March	0.5	7.0	-3.5	3.3	-0.1	4.2
June	0.3	7.8	-2.0	3.1	-0.5	3.4
September	1.6	6.8	-0.8	1.6	-2.0	3.2
December	1.5	6.8	-0.7	1.5	-0.8	3.3
PERCENTAGE CHANGE (from previous quarter)						
2014						
December	0.1	1.7	0.1	0.5	0.5	-0.9
2015						
March	0.2	0.8	-1.3	0.8	-0.5	2.5
June	-0.2	1.2	1.3	0.7	1.0	2.7
September	0.1	1.3	-1.1	0.6	0.8	0.3
December	0.3	2.7	1.6	0.1	0.6	-0.4
2016						
March	-0.2	0.9	-2.6	0.3	-0.4	1.9
June	-0.3	1.0	2.0	0.4	0.6	2.6
September	1.7	1.1	0.3	1.0	1.1	-0.2
December	0.6	2.8	-0.5	0.3	-0.8	-0.6
2017						
March	-0.2	1.1	-1.4	0.8	-1.0	2.0
June	-0.2	0.8	-0.3	0.3	0.7	2.7
September	-0.9	2.2	-0.9	1.9	0.4	-0.2
December	1.0	3.2	-0.3	0.3	-0.8	-0.5
2018						
March	0.5	0.7	-2.0	0.7	-0.4	2.2
June	-0.4	1.6	1.3	0.2	0.3	1.9
September	0.5	1.3	0.2	0.4	-1.2	-0.4
December	0.9	3.2	-0.2	0.2	0.5	-0.4

	<i>Transport</i>	<i>Communication</i>	<i>Recreation and culture</i>	<i>Education</i>	<i>Insurance and financial services</i>	<i>All groups CPI</i>
PERCENTAGE CHANGE (from previous financial year)						
2014-15	-2.6	-3.2	1.4	5.4	1.7	1.7
2015-16	-1.7	-6.0	0.9	4.3	2.2	1.4
2016-17	0.5	-5.5	0.0	3.3	2.6	1.8
2017-18	3.5	-3.4	0.6	2.9	1.3	1.9

	<i>Transport</i>	<i>Communication</i>	<i>Recreation and culture</i>	<i>Education</i>	<i>Insurance and financial services</i>	<i>All groups CPI</i>
PERCENTAGE CHANGE (from corresponding quarter of previous year)						
2014						
December	-1.9	-3.0	0.8	5.2	2.0	1.7
2015						
March	-6.2	-4.5	2.0	5.4	1.8	1.3
June	-2.4	-3.4	0.9	5.4	2.1	1.5
September	-2.2	-4.1	1.1	5.5	2.0	1.5
December	-1.4	-6.3	1.7	5.5	1.8	1.7
2016						
March	-0.5	-6.4	0.1	3.3	2.3	1.3
June	-2.8	-7.2	0.8	3.3	2.4	1.0
September	-3.4	-7.5	0.6	3.3	2.9	1.3
December	-0.3	-5.9	-0.5	3.3	2.7	1.5
2017						
March	3.8	-4.8	-0.2	3.3	2.7	2.1
June	2.1	-3.8	-0.1	3.3	2.1	1.9
September	2.7	-2.9	0.6	3.1	1.8	1.8
December	3.3	-3.4	0.6	3.2	1.3	1.9
2018						
March	2.9	-3.4	0.6	2.6	1.0	1.9
June	5.2	-4.2	0.8	2.7	1.5	2.1
September	6.0	-4.3	1.2	2.8	1.4	1.9
December	2.8	-4.3	1.7	2.7	1.5	1.8

	<i>Transport</i>	<i>Communication</i>	<i>Recreation and culture</i>	<i>Education</i>	<i>Insurance and financial services</i>	<i>All groups CPI</i>
PERCENTAGE CHANGE (from previous quarter)						
2014						
December	-2.2	-0.1	1.0	0.0	1.0	0.2
2015						
March	-3.4	-1.4	0.7	5.3	0.2	0.2
June	3.4	-0.6	-1.4	0.0	0.3	0.7
September	0.1	-2.0	0.8	0.2	0.5	0.5
December	-1.4	-2.4	1.6	0.0	0.8	0.4
2016						
March	-2.5	-1.5	-1.0	3.1	0.6	-0.2
June	1.0	-1.5	-0.7	0.0	0.5	0.4
September	-0.5	-2.3	0.6	0.2	0.9	0.7
December	1.7	-0.8	0.6	0.0	0.6	0.5
2017						
March	1.5	-0.3	-0.7	3.1	0.6	0.5
June	-0.6	-0.5	-0.6	0.0	-0.1	0.2
September	0.0	-1.4	1.3	0.0	0.6	0.6
December	2.4	-1.3	0.6	0.1	0.2	0.6
2018						
March	1.1	-0.4	-0.7	2.6	0.3	0.4
June	1.6	-1.3	-0.4	0.1	0.4	0.4
September	0.8	-1.4	1.6	0.1	0.5	0.4
December	-0.7	-1.3	1.1	0.0	0.3	0.5

<i>Quarters</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
FOOD AND NON-ALCOHOLIC BEVERAGES									
2016									
December	107.5	106.3	105.7	105.6	103.5	105.1	106.2	106.0	106.2
2017									
March	107.5	105.7	106.1	105.2	103.4	104.6	105.6	105.7	106.0
June	107.3	105.8	105.8	104.9	103.0	104.1	105.3	105.4	105.8
September	106.4	104.9	105.0	103.9	101.6	102.9	104.5	104.7	104.9
December	107.6	106.1	106.2	104.6	102.7	103.5	105.4	105.9	106.0
2018									
March	108.1	106.6	106.6	105.2	102.8	104.4	105.5	106.3	106.5
June	107.6	106.4	106.0	104.7	102.4	103.6	105.1	106.1	106.1
September	108.1	107.0	106.5	105.3	103.0	104.2	105.5	106.7	106.6
December	108.9	107.9	108.1	106.0	103.7	105.0	106.0	107.7	107.6
ALCOHOL AND TOBACCO									
2016									
December	128.5	130.4	133.8	132.1	132.4	134.4	128.3	128.0	130.7
2017									
March	130.1	132.5	134.3	133.3	133.5	134.2	128.9	129.6	132.1
June	131.0	133.4	135.8	134.7	133.7	135.5	128.6	130.8	133.1
September	133.6	136.8	138.4	137.6	136.5	139.5	131.5	132.7	136.0
December	137.6	140.8	143.1	143.1	141.1	144.8	136.1	136.4	140.3
2018									
March	138.5	141.4	145.0	144.2	142.3	145.4	136.9	138.4	141.3
June	141.1	143.8	145.8	146.3	144.3	147.3	138.4	140.7	143.5
September	143.2	145.7	147.7	147.8	145.8	148.8	139.7	142.5	145.3
December	147.4	150.3	152.6	153.0	149.7	155.4	148.2	146.3	149.9
CLOTHING AND FOOTWEAR									
2016									
December	94.7	96.4	103.8	95.5	105.7	95.7	95.1	95.1	97.8
2017									
March	92.7	95.9	102.1	93.3	103.8	95.1	94.5	94.7	96.4
June	92.5	95.9	102.5	92.2	102.7	95.4	93.8	94.4	96.1
September	92.1	94.9	101.6	91.1	100.6	94.3	93.9	92.5	95.2
December	91.3	94.4	101.8	91.5	101.2	94.8	95.0	91.9	94.9
2018									
March	89.8	92.4	99.1	90.0	99.1	93.9	93.7	91.2	93.0
June	91.0	93.6	99.8	91.6	100.7	95.2	94.2	92.4	94.2
September	91.4	94.0	100.0	91.1	100.4	95.3	93.3	91.8	94.4
December	90.9	93.8	99.3	91.3	101.1	96.0	93.4	92.2	94.2
HOUSING									
2016									
December	119.0	116.1	116.2	112.3	111.0	107.7	109.5	108.5	115.9
2017									
March	119.8	118.1	117.1	113.3	110.0	108.4	109.2	108.9	116.8
June	120.6	118.7	117.8	112.8	109.6	108.8	108.7	109.3	117.2
September	123.5	120.1	118.6	117.7	110.9	109.9	108.4	113.3	119.4
December	124.2	120.7	119.0	118.1	110.5	110.4	108.1	114.2	119.8
2018									
March	124.7	123.5	118.8	118.8	109.2	111.2	107.5	114.8	120.6
June	125.1	123.9	118.8	118.6	108.4	112.4	106.9	115.6	120.8
September	126.0	124.1	119.0	117.8	109.4	114.3	107.1	118.1	121.3
December	126.5	124.3	119.4	118.3	109.2	114.8	107.1	119.0	121.6

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

<i>Quarters</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
.....									
FURNISHINGS, HOUSEHOLD EQUIPMENT AND SERVICES									
2016									
December	105.5	103.7	106.4	103.0	105.4	101.7	107.8	111.0	105.1
2017									
March	104.4	102.7	105.6	101.9	103.9	101.5	107.7	111.0	104.0
June	105.2	103.2	106.8	103.1	104.2	102.8	107.7	111.5	104.7
September	105.3	104.2	107.0	102.8	104.8	102.7	107.6	111.7	105.1
December	104.4	103.1	106.5	102.3	103.7	101.6	107.3	110.4	104.3
2018									
March	103.9	102.9	106.0	101.9	103.5	101.9	107.2	110.5	103.9
June	104.4	103.0	106.6	102.7	103.3	102.1	106.9	111.2	104.2
September	103.6	101.0	105.4	102.1	102.7	101.5	105.7	107.1	103.0
December	104.0	101.6	106.2	102.0	103.6	101.6	105.2	107.9	103.5
.....									
HEALTH									
2016									
December	124.5	125.1	124.5	125.8	121.7	127.2	120.7	123.3	124.4
2017									
March	127.3	127.7	127.3	127.2	123.7	129.5	122.7	126.8	126.9
June	130.5	131.1	130.0	132.1	127.4	133.6	126.3	130.3	130.3
September	130.2	130.8	129.7	132.0	127.2	133.6	126.0	130.8	130.1
December	129.6	130.1	129.0	131.4	126.4	132.8	125.1	129.9	129.4
2018									
March	132.2	133.2	132.2	133.3	128.9	135.7	126.7	133.6	132.2
June	134.1	135.6	134.3	137.0	133.2	139.2	128.6	133.8	134.7
September	133.8	135.0	133.8	137.0	131.9	138.3	128.9	133.5	134.2
December	133.5	134.5	133.3	136.3	131.1	137.9	127.8	133.6	133.7
.....									
TRANSPORT									
2016									
December	98.2	101.1	97.6	99.6	99.4	100.2	102.7	100.3	99.4
2017									
March	99.4	103.1	97.7	101.8	101.2	103.9	105.2	102.9	100.9
June	99.1	102.5	97.6	100.7	100.2	103.3	104.2	101.2	100.3
September	98.8	102.1	97.0	101.3	101.2	103.4	106.1	102.1	100.3
December	101.2	104.5	99.9	103.9	103.5	104.4	108.5	104.5	102.7
2018									
March	101.9	106.1	100.8	104.7	104.9	106.1	111.2	106.6	103.8
June	103.3	107.6	103.0	106.8	106.5	107.9	112.2	107.2	105.5
September	104.2	108.3	103.6	107.1	107.7	109.7	113.2	108.2	106.3
December	103.2	107.9	102.7	106.7	107.2	110.2	112.8	109.5	105.6
.....									
COMMUNICATION									
2016									
December	88.6	88.8	88.8	88.6	88.2	88.8	88.6	88.8	88.6
2017									
March	88.3	88.5	88.5	88.3	87.9	88.4	88.2	88.4	88.3
June	87.9	88.1	88.1	87.9	87.5	87.9	87.8	88.0	87.9
September	86.7	86.8	86.8	86.7	86.2	86.5	86.3	86.7	86.7
December	85.6	85.7	85.7	85.6	85.1	85.2	85.0	85.6	85.6
2018									
March	85.3	85.4	85.4	85.3	84.8	84.9	84.8	85.4	85.3
June	84.2	84.3	84.3	84.1	83.7	83.8	83.6	84.4	84.2
September	83.1	83.2	83.1	83.0	82.5	82.6	82.4	83.3	83.0
December	81.9	82.1	82.0	81.8	81.3	81.4	81.2	82.2	81.9
.....									

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

<i>Quarters</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
RECREATION AND CULTURE									
2016									
December	104.4	104.4	104.5	102.7	104.4	102.8	103.6	105.8	104.3
2017									
March	103.4	104.5	102.9	101.9	103.6	104.2	100.1	105.5	103.6
June	103.1	103.2	102.8	101.7	103.6	101.9	104.0	104.4	103.0
September	104.7	104.1	104.5	102.5	104.5	101.8	107.1	105.2	104.3
December	105.1	104.9	105.2	102.7	105.5	105.7	104.2	105.8	104.9
2018									
March	103.9	104.7	103.7	102.3	105.4	106.3	101.7	105.5	104.2
June	103.5	103.9	103.7	102.0	105.3	104.0	104.1	106.3	103.8
September	105.2	105.1	106.3	103.9	106.4	104.7	107.6	108.4	105.5
December	106.5	106.6	106.8	105.0	108.1	109.1	104.9	108.7	106.7
EDUCATION									
2016									
December	127.7	123.5	124.0	123.4	125.7	121.1	122.9	119.6	124.8
2017									
March	131.3	127.6	128.1	126.9	129.0	124.9	126.2	123.1	128.7
June	131.3	127.6	128.1	127.0	129.0	124.9	126.2	123.2	128.7
September	131.2	127.7	128.5	127.0	129.0	124.9	126.2	123.3	128.7
December	131.4	127.7	128.6	127.1	129.0	125.0	126.3	123.3	128.8
2018									
March	135.5	130.8	131.5	130.0	131.3	127.6	132.1	128.0	132.1
June	135.7	130.8	131.5	130.0	131.3	127.6	132.1	128.0	132.2
September	136.7	130.3	131.2	129.7	131.3	127.6	131.9	127.2	132.3
December	136.7	130.3	131.3	129.8	131.3	127.6	132.0	127.3	132.3
INSURANCE AND FINANCIAL SERVICES									
2016									
December	114.6	110.3	106.4	109.5	114.0	112.7	108.1	100.3	111.2
2017									
March	114.9	111.5	107.2	110.3	115.1	112.9	109.0	100.9	111.9
June	114.1	111.4	107.5	109.8	116.1	113.2	109.5	101.3	111.8
September	114.8	112.2	108.2	111.0	116.6	114.0	111.0	100.7	112.5
December	115.9	111.8	108.3	111.6	115.7	113.6	111.5	100.8	112.7
2018									
March	115.3	112.7	109.0	112.0	116.3	113.8	112.9	102.1	113.0
June	115.8	113.1	109.8	112.9	116.5	114.2	113.1	101.5	113.5
September	116.4	113.8	110.7	113.4	117.0	113.3	114.8	100.6	114.1
December	117.1	113.4	110.7	114.4	118.1	113.2	114.4	100.7	114.4

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

<i>Group, sub-group and expenditure class</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
Food and non-alcoholic beverages	0.14	0.17	0.26	0.12	0.12	0.15	0.09	0.18	0.16
Bread and cereal products	0.02	0.02	0.01	0.02	0.01	0.02	0.01	0.02	0.01
Bread	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Cakes and biscuits	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.01
Breakfast cereals	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.01
Other cereal products	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Meat and seafoods	0.03	0.04	0.04	0.04	0.03	0.06	0.05	0.04	0.04
Beef and veal	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.01
Pork	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Lamb and goat	0.02	0.02	0.01	0.01	0.02	0.02	0.03	0.01	0.02
Poultry	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.00
Other meats	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Fish and other seafood	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00
Dairy and related products	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.01	0.01
Milk	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
Cheese	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ice cream and other dairy products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruit and vegetables	0.04	0.04	0.08	0.02	0.02	0.03	0.03	0.06	0.04
Fruit	0.06	0.05	0.07	0.05	0.05	0.04	0.06	0.08	0.06
Vegetables	-0.02	-0.01	0.01	-0.02	-0.03	0.00	-0.02	-0.01	-0.02
Food products n.e.c.	0.01	0.01	0.01	0.01	0.02	0.02	0.00	0.00	0.02
Eggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jams, honey and spreads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Food additives and condiments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oils and fats	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Snacks and confectionery	-0.01	0.00	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.00
Other food products n.e.c.	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
Non-alcoholic beverages	-0.01	-0.02	0.05	-0.01	-0.01	-0.01	-0.02	-0.01	0.00
Coffee, tea and cocoa	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Waters, soft drinks and juices	-0.02	-0.01	0.06	-0.01	-0.02	-0.02	-0.03	-0.01	0.00
Meals out and take away foods	0.04	0.06	0.03	0.03	0.03	0.03	0.01	0.08	0.04
Restaurant meals	0.03	0.03	0.01	0.00	0.01	0.00	0.01	0.05	0.02
Take away and fast foods	0.01	0.01	0.02	0.03	0.02	0.03	0.02	0.03	0.01
Alcohol and tobacco	0.22	0.28	0.30	0.33	0.20	0.49	0.70	0.18	0.26
Alcoholic beverages	-0.04	-0.04	-0.06	-0.04	-0.05	0.02	0.27	-0.02	-0.04
Spirits	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
Wine	-0.03	-0.06	-0.05	-0.03	-0.03	-0.02	0.21	-0.02	-0.04
Beer	0.00	0.02	-0.02	0.00	-0.02	0.03	0.07	0.00	0.00
Tobacco	0.27	0.33	0.37	0.36	0.25	0.47	0.42	0.19	0.30
Tobacco	0.27	0.33	0.37	0.36	0.25	0.47	0.42	0.19	0.30
Clothing and footwear	-0.02	0.00	-0.03	0.01	0.03	0.03	0.00	0.02	-0.01
Garments	0.00	0.01	0.00	0.02	0.04	0.03	0.01	0.01	0.01
Garments for men	0.02	0.03	0.00	0.02	0.01	0.02	0.02	0.01	0.02
Garments for women	-0.02	-0.01	-0.01	0.00	0.00	0.01	0.01	0.00	-0.01
Garments for infants and children	0.00	0.01	0.01	0.01	0.02	0.00	-0.01	0.01	0.01
Footwear	-0.02	-0.01	-0.02	-0.01	-0.01	0.00	-0.01	0.00	-0.01
Footwear for men	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Footwear for women	-0.01	-0.01	-0.02	0.00	0.00	-0.01	0.00	0.00	-0.02
Footwear for infants and children	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00
Accessories and clothing services	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01
Accessories	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
Cleaning, repair and hire of clothing and footwear	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<i>Group, sub-group and expenditure class</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
Housing	0.12	0.03	0.08	0.10	-0.03	0.09	-0.01	0.20	0.06
Rents	0.02	0.04	0.00	0.01	-0.07	0.07	-0.04	0.05	0.02
Rents	0.02	0.04	0.00	0.01	-0.07	0.07	-0.04	0.05	0.02
New dwelling purchase by owner-occupiers	0.06	0.03	-0.02	0.04	0.03	0.00	0.01	0.09	0.04
New dwelling purchase by owner-occupiers	0.06	0.03	-0.02	0.04	0.03	0.00	0.01	0.09	0.04
Other housing	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01
Maintenance and repair of the dwelling	0.02	0.02	0.01	0.01	0.01	0.03	0.01	0.02	0.02
Property rates and charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities	0.02	-0.05	0.09	0.03	0.00	0.00	0.00	0.04	0.01
Water and sewerage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.01	0.01	0.09	0.02	0.00	0.00	0.00	0.04	0.02
Gas and other household fuels	0.00	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
Furnishings, household equipment and services	0.04	0.06	0.07	-0.01	0.08	0.00	-0.05	0.08	0.05
Furniture and furnishings	0.02	0.04	0.02	0.02	0.03	-0.01	-0.05	0.03	0.03
Furniture	0.02	0.04	0.02	0.02	0.04	0.00	-0.05	0.04	0.03
Carpets and other floor coverings	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
Household textiles	-0.01	-0.01	-0.01	-0.03	0.01	0.00	-0.01	0.00	0.00
Household textiles	-0.01	-0.01	-0.01	-0.03	0.01	0.00	-0.01	0.00	0.00
Household appliances, utensils and tools	0.01	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.01
Major household appliances	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01
Small electric household appliances	0.01	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00
Glassware, tableware and household utensils	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
Tools and equipment for house and garden	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00
Non-durable household products	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.02	-0.01	-0.01
Cleaning and maintenance products	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01
Personal care products	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.02	-0.01	-0.01
Other non-durable household products	0.00	0.00	-0.01	-0.01	0.00	-0.02	-0.01	-0.01	0.00
Domestic and household services	0.01	0.03	0.07	0.02	0.03	0.02	0.03	0.06	0.03
Child care	0.01	0.00	0.07	0.01	0.01	0.00	0.02	0.03	0.02
Hairdressing and personal grooming services	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00
Other household services	-0.01	0.02	0.00	0.01	0.00	0.00	0.01	0.02	0.00
Health	-0.01	-0.03	-0.03	-0.03	-0.04	-0.02	-0.04	0.00	-0.02
Medical products, appliances and equipment	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.03	-0.02	-0.02
Pharmaceutical products	-0.02	-0.03	-0.02	-0.03	-0.02	-0.03	-0.03	-0.02	-0.02
Therapeutic appliances and equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Medical, dental and hospital services	0.00	0.01	0.01	0.00	-0.02	0.00	-0.01	0.02	0.00
Medical and hospital services	0.00	-0.01	0.00	0.00	-0.02	0.00	-0.02	0.01	0.00
Dental services	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Transport	-0.10	-0.05	-0.10	-0.04	-0.05	0.07	-0.04	0.14	-0.07
Private motoring	-0.11	-0.05	-0.11	-0.04	-0.06	0.07	-0.04	0.14	-0.07
Motor vehicles	-0.01	0.00	0.00	-0.01	-0.03	-0.04	-0.02	-0.01	-0.01
Spare parts and accessories for motor vehicles	0.00	0.03	0.01	0.01	0.03	0.02	-0.01	0.04	0.02
Automotive fuel	-0.12	-0.08	-0.14	-0.05	-0.07	0.07	-0.02	0.11	-0.09
Maintenance and repair of motor vehicles	0.01	0.01	0.01	0.00	0.01	0.00	0.01	-0.01	0.01
Other services in respect of motor vehicles	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Urban transport fares	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban transport fares	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<i>Group, sub-group and expenditure class</i>	<i>Sydney</i>	<i>Melbourne</i>	<i>Brisbane</i>	<i>Adelaide</i>	<i>Perth</i>	<i>Hobart</i>	<i>Darwin</i>	<i>Canberra</i>	<i>Weighted average of eight capital cities</i>
Communication	-0.04	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.04	-0.04
Communication	-0.04	-0.04	-0.04	-0.04	-0.04	-0.05	-0.05	-0.04	-0.04
Postal services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Telecommunication equipment and services	-0.04	-0.04	-0.05	-0.04	-0.04	-0.05	-0.04	-0.04	-0.04
Recreation and culture	0.18	0.20	0.07	0.14	0.22	0.65	-0.36	0.05	0.17
Audio, visual and computing equipment and services	-0.03	-0.04	-0.04	-0.07	-0.06	-0.06	-0.06	-0.06	-0.04
Audio, visual and computing equipment	-0.02	-0.04	-0.05	-0.06	-0.06	-0.05	-0.05	-0.06	-0.04
Audio, visual and computing media and services	-0.01	0.00	0.01	0.00	-0.01	-0.01	0.00	0.00	0.00
Newspapers, books and stationery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Books	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00
Newspapers, magazines and stationery	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Holiday travel and accommodation	0.15	0.23	0.10	0.18	0.23	0.64	-0.43	0.09	0.18
Domestic holiday travel and accommodation	0.19	0.24	0.16	0.26	0.23	0.68	-0.38	0.12	0.20
International holiday travel and accommodation	-0.03	-0.01	-0.05	-0.08	0.00	-0.04	-0.04	-0.03	-0.02
Other recreation, sport and culture	0.05	0.01	0.02	0.03	0.06	0.06	0.11	0.02	0.03
Equipment for sports, camping and open-air recreation	-0.01	-0.01	-0.02	-0.01	0.00	0.00	-0.01	0.00	-0.01
Games, toys and hobbies	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Pets and related products	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
Veterinary and other services for pets	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	-0.01
Sports participation	0.04	0.00	0.01	0.01	0.01	0.04	0.07	0.00	0.02
Other recreational, sporting and cultural services	0.00	0.01	0.00	0.01	0.04	-0.01	0.02	0.00	0.01
Education	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Education	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Preschool and primary education	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secondary education	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tertiary education	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Insurance and financial services	0.04	-0.02	0.00	0.05	0.06	0.00	-0.02	0.00	0.02
Insurance	0.01	0.01	0.02	0.02	0.02	-0.01	-0.01	0.00	0.01
Insurance	0.01	0.01	0.02	0.02	0.02	-0.01	-0.01	0.00	0.01
Financial services	0.04	-0.03	-0.02	0.04	0.03	0.01	-0.01	0.00	0.01
Deposit and loan facilities (direct charges)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other financial services	0.03	-0.03	-0.02	0.04	0.04	0.01	-0.01	0.01	0.01
All groups CPI	0.5	0.6	0.6	0.6	0.5	1.4	0.2	0.8	0.6

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS) INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Dec Qtr 2017	Sep Qtr 2018	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018	Dec Qtr 2017 to Dec Qtr 2018	Sep Qtr 2018(b)	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018
Food and non-alcoholic beverages	106.0	106.6	107.6	0.9	1.5	17.91	18.07	0.16
Bread and cereal products	97.6	97.0	98.1	1.1	0.5	1.62	1.63	0.01
Bread	96.1	97.3	97.9	0.6	1.9	0.60	0.60	0.00
Cakes and biscuits	101.5	100.6	101.6	1.0	0.1	0.70	0.71	0.01
Breakfast cereals	92.4	88.8	92.3	3.9	-0.1	0.13	0.14	0.01
Other cereal products	92.3	90.2	90.7	0.6	-1.7	0.18	0.18	0.00
Meat and seafoods	110.5	111.4	113.2	1.6	2.4	2.44	2.48	0.04
Beef and veal	125.0	124.9	127.3	1.9	1.8	0.52	0.53	0.01
Pork	109.3	107.7	108.7	0.9	-0.5	0.33	0.33	0.00
Lamb and goat	104.4	108.7	116.1	6.8	11.2	0.25	0.27	0.02
Poultry	101.6	102.2	103.2	1.0	1.6	0.48	0.48	0.00
Other meats	113.8	113.9	114.6	0.6	0.7	0.41	0.42	0.01
Fish and other seafood	108.5	111.3	112.0	0.6	3.2	0.45	0.45	0.00
Dairy and related products	97.2	97.5	98.3	0.8	1.1	1.10	1.11	0.01
Milk	97.0	96.9	98.9	2.1	2.0	0.40	0.41	0.01
Cheese	99.9	100.6	100.8	0.2	0.9	0.33	0.33	0.00
Ice cream and other dairy products	95.0	95.4	95.6	0.2	0.6	0.37	0.37	0.00
Fruit and vegetables	104.9	104.8	106.6	1.7	1.6	2.53	2.57	0.04
Fruit	98.5	95.6	100.4	5.0	1.9	1.18	1.24	0.06
Vegetables	111.0	113.6	112.2	-1.2	1.1	1.35	1.33	-0.02
Food products n.e.c.	101.1	100.0	100.6	0.6	-0.5	2.39	2.41	0.02
Eggs	103.1	102.9	103.4	0.5	0.3	0.13	0.13	0.00
Jams, honey and spreads	102.6	101.3	101.7	0.4	-0.9	0.14	0.14	0.00
Food additives and condiments	97.1	96.2	96.2	0.0	-0.9	0.32	0.32	0.00
Oils and fats	113.2	114.3	116.2	1.7	2.7	0.20	0.21	0.01
Snacks and confectionery	101.5	101.0	100.8	-0.2	-0.7	1.00	1.00	0.00
Other food products n.e.c.	97.3	94.7	96.4	1.8	-0.9	0.59	0.60	0.01
Non-alcoholic beverages	101.4	102.7	102.6	-0.1	1.2	1.11	1.11	0.00
Coffee, tea and cocoa	99.6	97.4	98.7	1.3	-0.9	0.24	0.25	0.01
Waters, soft drinks and juices	102.0	104.4	103.9	-0.5	1.9	0.86	0.86	0.00
Meals out and take away foods	112.1	113.7	114.4	0.6	2.1	6.72	6.76	0.04
Restaurant meals	111.4	112.6	113.2	0.5	1.6	3.77	3.79	0.02
Take away and fast foods	112.8	115.1	115.9	0.7	2.7	2.96	2.97	0.01
Alcohol and tobacco	140.3	145.3	149.9	3.2	6.8	8.34	8.60	0.26
Alcoholic beverages	111.1	114.0	113.1	-0.8	1.8	5.14	5.11	-0.04
Spirits	111.9	114.8	114.7	-0.1	2.5	0.96	0.96	0.00
Wine	101.0	102.6	100.6	-1.9	-0.4	1.98	1.94	-0.04
Beer	118.5	122.7	122.7	0.0	3.5	2.21	2.21	0.00
Tobacco	201.6	211.9	231.9	9.4	15.0	3.20	3.50	0.30
Tobacco	201.6	211.9	231.9	9.4	15.0	3.20	3.50	0.30
Clothing and footwear	94.9	94.4	94.2	-0.2	-0.7	3.76	3.75	-0.01
Garments	91.3	90.4	90.8	0.4	-0.5	2.30	2.31	0.01
Garments for men	97.6	95.6	98.1	2.6	0.5	0.62	0.64	0.02
Garments for women	86.8	86.2	85.4	-0.9	-1.6	1.31	1.30	-0.01
Garments for infants and children	98.6	98.2	99.8	1.6	1.2	0.37	0.38	0.01
Footwear	94.0	90.8	88.8	-2.2	-5.5	0.56	0.55	-0.01
Footwear for men	98.0	90.1	90.8	0.8	-7.3	0.14	0.14	0.00
Footwear for women	91.8	89.5	86.3	-3.6	-6.0	0.34	0.32	-0.02
Footwear for infants and children	95.1	97.3	95.0	-2.4	-0.1	0.08	0.08	0.00
Accessories and clothing services	105.8	108.7	108.3	-0.4	2.4	0.90	0.89	-0.01
Accessories	104.1	107.0	106.5	-0.5	2.3	0.76	0.76	0.00
Cleaning, repair and hire of clothing and footwear	116.6	119.2	119.3	0.1	2.3	0.13	0.13	0.00

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

(b) Differs from previously published September quarter 2018 due to reweighting.

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Dec Qtr 2017	Sep Qtr 2018	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018	Dec Qtr 2017 to Dec Qtr 2018	Sep Qtr 2018(b)	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018
Housing	119.8	121.3	121.6	0.2	1.5	26.31	26.37	0.06
Rents	111.6	112.0	112.2	0.2	0.5	8.05	8.07	0.02
Rents	111.6	112.0	112.2	0.2	0.5	8.05	8.07	0.02
New dwelling purchase by owner-occupiers	119.0	120.7	121.2	0.4	1.8	9.13	9.17	0.04
New dwelling purchase by owner-occupiers	119.0	120.7	121.2	0.4	1.8	9.13	9.17	0.04
Other housing	122.6	124.9	125.4	0.4	2.3	4.03	4.04	0.01
Maintenance and repair of the dwelling	114.2	116.1	116.9	0.7	2.4	2.32	2.34	0.02
Property rates and charges	135.5	138.6	138.6	0.0	2.3	1.70	1.70	0.00
Utilities	133.6	136.1	136.3	0.1	2.0	5.09	5.10	0.01
Water and sewerage	117.6	119.1	119.1	0.0	1.3	1.14	1.14	0.00
Electricity	139.1	140.4	141.6	0.9	1.8	2.89	2.91	0.02
Gas and other household fuels	139.0	145.6	143.5	-1.4	3.2	1.06	1.05	-0.01
Furnishings, household equipment and services	104.3	103.0	103.5	0.5	-0.8	10.08	10.13	0.05
Furniture and furnishings	100.2	100.1	101.6	1.5	1.4	1.83	1.86	0.03
Furniture	98.8	98.5	100.3	1.8	1.5	1.49	1.52	0.03
Carpets and other floor coverings	107.9	109.0	109.0	0.0	1.0	0.34	0.34	0.00
Household textiles	86.2	84.4	83.0	-1.7	-3.7	0.50	0.50	0.00
Household textiles	86.2	84.4	83.0	-1.7	-3.7	0.50	0.50	0.00
Household appliances, utensils and tools	94.3	95.0	95.5	0.5	1.3	1.68	1.69	0.01
Major household appliances	92.1	94.2	96.0	1.9	4.2	0.44	0.45	0.01
Small electric household appliances	88.4	89.1	90.9	2.0	2.8	0.35	0.35	0.00
Glassware, tableware and household utensils	91.7	92.7	91.8	-1.0	0.1	0.47	0.47	0.00
Tools and equipment for house and garden	107.4	106.2	105.9	-0.3	-1.4	0.42	0.42	0.00
Non-durable household products	96.6	95.4	95.2	-0.2	-1.4	2.82	2.81	-0.01
Cleaning and maintenance products	94.5	91.3	93.2	2.1	-1.4	0.27	0.28	0.01
Personal care products	90.0	88.3	87.5	-0.9	-2.8	1.12	1.11	-0.01
Other non-durable household products	102.0	101.8	101.7	-0.1	-0.3	1.42	1.42	0.00
Domestic and household services	127.4	123.9	125.0	0.9	-1.9	3.25	3.28	0.03
Child care	153.9	139.3	141.2	1.4	-8.3	1.40	1.42	0.02
Hairdressing and personal grooming services	113.2	116.0	116.8	0.7	3.2	1.05	1.05	0.00
Other household services	118.1	122.0	122.5	0.4	3.7	0.81	0.81	0.00
Health	129.4	134.2	133.7	-0.4	3.3	6.46	6.44	-0.02
Medical products, appliances and equipment	101.1	104.1	102.4	-1.6	1.3	1.30	1.28	-0.02
Pharmaceutical products	101.6	105.0	103.0	-1.9	1.4	1.14	1.12	-0.02
Therapeutic appliances and equipment	97.3	97.4	97.4	0.0	0.1	0.16	0.16	0.00
Medical, dental and hospital services	138.5	143.9	143.9	0.0	3.9	5.16	5.16	0.00
Medical and hospital services	142.8	149.0	148.9	-0.1	4.3	4.54	4.54	0.00
Dental services	112.3	112.9	113.8	0.8	1.3	0.62	0.63	0.01
Transport	102.7	106.3	105.6	-0.7	2.8	11.90	11.83	-0.07
Private motoring	102.3	106.0	105.3	-0.7	2.9	11.08	11.01	-0.07
Motor vehicles	92.3	91.6	91.3	-0.3	-1.1	2.91	2.90	-0.01
Spare parts and accessories for motor vehicles	108.8	109.3	111.5	2.0	2.5	0.84	0.86	0.02
Automotive fuel	96.7	105.8	103.2	-2.5	6.7	3.68	3.59	-0.09
Maintenance and repair of motor vehicles	108.5	110.8	111.5	0.6	2.8	2.07	2.08	0.01
Other services in respect of motor vehicles	127.1	130.4	130.6	0.2	2.8	1.58	1.58	0.00
Urban transport fares	108.0	110.7	110.7	0.0	2.5	0.82	0.82	0.00
Urban transport fares	108.0	110.7	110.7	0.0	2.5	0.82	0.82	0.00

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

(b) Differs from previously published September quarter 2018 due to reweighting.

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Dec Qtr 2017	Sep Qtr 2018	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018	Dec Qtr 2017 to Dec Qtr 2018	Sep Qtr 2018(b)	Dec Qtr 2018	Sep Qtr 2018 to Dec Qtr 2018
Communication	85.6	83.0	81.9	-1.3	-4.3	2.92	2.88	-0.04
Communication	85.6	83.0	81.9	-1.3	-4.3	2.92	2.88	-0.04
Postal services	116.5	126.7	128.2	1.2	10.0	0.10	0.10	0.00
Telecommunication equipment and services	84.3	81.5	80.3	-1.5	-4.7	2.82	2.78	-0.04
Recreation and culture	104.9	105.5	106.7	1.1	1.7	14.32	14.49	0.17
Audio, visual and computing equipment and services	74.7	72.1	70.6	-2.1	-5.5	2.07	2.03	-0.04
Audio, visual and computing equipment	57.9	54.6	52.8	-3.3	-8.8	1.27	1.23	-0.04
Audio, visual and computing media and services	100.7	100.8	100.5	-0.3	-0.2	0.80	0.80	0.00
Newspapers, books and stationery	111.8	111.6	111.5	-0.1	-0.3	0.76	0.76	0.00
Books	99.5	100.8	98.7	-2.1	-0.8	0.25	0.25	0.00
Newspapers, magazines and stationery	118.9	117.9	118.9	0.8	0.0	0.50	0.51	0.01
Holiday travel and accommodation	112.1	114.5	117.5	2.6	4.8	6.82	7.00	0.18
Domestic holiday travel and accommodation	115.3	116.5	123.7	6.2	7.3	3.31	3.51	0.20
International holiday travel and accommodation	109.7	113.2	112.3	-0.8	2.4	3.51	3.49	-0.02
Other recreation, sport and culture	111.7	111.8	112.6	0.7	0.8	4.66	4.70	0.03
Equipment for sports, camping and open-air recreation	103.1	105.5	104.1	-1.3	1.0	0.65	0.64	-0.01
Games, toys and hobbies	87.2	83.9	84.8	1.1	-2.8	0.82	0.83	0.01
Pets and related products	102.0	101.5	102.6	1.1	0.6	0.49	0.49	0.00
Veterinary and other services for pets	122.0	124.5	124.5	0.0	2.0	0.43	0.43	-0.01
Sports participation	122.2	120.7	122.9	1.8	0.6	1.09	1.11	0.02
Other recreational, sporting and cultural services	123.6	127.0	127.9	0.7	3.5	1.18	1.19	0.01
Education	128.8	132.3	132.3	0.0	2.7	4.85	4.85	0.00
Education	128.8	132.3	132.3	0.0	2.7	4.85	4.85	0.00
Preschool and primary education	129.4	132.0	132.1	0.1	2.1	1.06	1.06	0.00
Secondary education	132.2	136.6	136.6	0.0	3.3	1.97	1.97	0.00
Tertiary education	125.5	128.4	128.4	0.0	2.3	1.83	1.83	0.00
Insurance and financial services	112.7	114.1	114.4	0.3	1.5	6.65	6.67	0.02
Insurance	127.2	130.1	130.9	0.6	2.9	1.46	1.47	0.01
Insurance	127.2	130.1	130.9	0.6	2.9	1.46	1.47	0.01
Financial services	107.3	108.3	108.5	0.2	1.1	5.19	5.20	0.01
Deposit and loan facilities (direct charges)	99.7	99.3	99.4	0.1	-0.3	0.65	0.65	0.00
Other financial services	109.0	110.2	110.5	0.3	1.4	4.54	4.55	0.01
All groups CPI	112.1	113.5	114.1	0.5	1.8	113.5	114.1	0.6

(a) Unless otherwise specified, reference period of each index: 2011-12 = 100.0.

(b) Differs from previously published September quarter 2018 due to reweighting.

ANALYTICAL SERIES, Weighted average of eight capital cities(a)

	INDEX NUMBERS(b)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	<i>Dec Qtr 2017</i>	<i>Sep Qtr 2018</i>	<i>Dec Qtr 2018</i>	<i>Sep Qtr 2018 to Dec Qtr 2018</i>	<i>Dec Qtr 2017 to Dec Qtr 2018</i>	<i>Sep Qtr 2018(c)</i>	<i>Dec Qtr 2018</i>	<i>Sep Qtr 2018 to Dec Qtr 2018</i>
All groups CPI	112.1	113.5	114.1	0.5	1.8	113.5	114.1	0.6
All groups CPI, seasonally adjusted	112.0	r113.5	114.0	0.4	1.8	..	..	..
Underlying trend series								
Trimmed mean(d)	..	..	..	0.4	1.8	..	..	..
Weighted median(d)	..	..	..	0.4	1.7	..	..	..
International trade exposure series								
Tradables	102.1	103.0	102.7	-0.3	0.6	38.48	38.39	-0.09
Non-tradables	118.3	120.0	121.1	0.9	2.4	75.02	75.71	0.69
Goods and services series								
Goods component	109.0	110.3	110.9	0.5	1.7	60.52	60.84	0.31
Services component	116.5	117.9	118.5	0.5	1.7	52.98	53.26	0.28
All groups CPI including								
Deposit and loan facilities (indirect charges)	113.1	114.4	115.1	0.6	1.8	..	..	..
Market goods and services excluding 'volatile items'								
Goods	108.2	108.8	109.7	0.8	1.4	48.08	48.46	0.38
Services	110.4	111.5	112.2	0.6	1.6	37.20	37.46	0.26
<i>Total</i>	109.1	109.9	110.7	0.7	1.5	85.28	85.92	0.64
All groups CPI excluding								
Food and non-alcoholic beverages	113.3	114.9	115.4	0.4	1.9	95.59	96.03	0.44
Alcohol and tobacco	110.0	111.2	111.5	0.3	1.4	105.16	105.49	0.33
Clothing and footwear	112.8	114.3	114.9	0.5	1.9	109.74	110.35	0.61
Housing	109.9	111.2	111.9	0.6	1.8	87.19	87.72	0.52
Furnishings, household equipment and services	112.9	114.6	115.2	0.5	2.0	103.42	103.97	0.55
Health	111.1	112.4	113.0	0.5	1.7	107.04	107.66	0.62
Transport	113.4	114.5	115.2	0.6	1.6	101.60	102.27	0.67
Communication	113.0	114.5	115.1	0.5	1.9	110.58	111.22	0.64
Recreation and culture	113.1	114.7	115.2	0.4	1.9	99.18	99.61	0.42
Education	111.6	112.9	113.5	0.5	1.7	108.65	109.24	0.59
Insurance and financial services	112.1	113.5	114.1	0.5	1.8	106.85	107.43	0.57
Housing, Insurance and financial services	109.7	111.0	111.7	0.6	1.8	80.55	81.06	0.51
Medical and hospital services	111.0	112.3	112.9	0.5	1.7	108.96	109.56	0.60
Food and energy	113.0	114.2	114.9	0.6	1.7	91.72	92.27	0.54
'Volatile items'	112.9	114.0	114.7	0.6	1.6	107.29	107.94	0.65

.. not applicable

r revised

(a) Refer to paragraphs 11 and 12 of the Explanatory Notes for a description of these series.

(b) Unless otherwise specified, reference period of each index: 2011–12 = 100.0.

(c) Differs from previously published September quarter 2018 due to reweighting.

(d) Index numbers are available in the time series spreadsheet 'Table 8. CPI: Analytical Series, Weighted Average of Eight Capital Cities'.

EXPLANATORY NOTES

BRIEF DESCRIPTION OF THE CPI

1 The Consumer Price Index (CPI) measures quarterly changes in the price of a 'basket' of goods and services which account for a high proportion of expenditure by the CPI population group (i.e. metropolitan households). This 'basket' covers a wide range of goods and services, arranged in the following eleven groups:

- Food and non-alcoholic beverages
- Alcohol and tobacco
- Clothing and footwear
- Housing
- Furnishings, household equipment and services
- Health
- Transport
- Communication
- Recreation and culture
- Education
- Insurance and financial services.

2 Capital city indexes used by the CPI are based on the 2011 Australian Statistical Geography Standard (ASGS) Greater Capital City Statistical Areas. The capital city indexes measure price movements over time in each city individually. They do not measure differences in retail price levels between cities.

3 Further information about the CPI is contained in *Consumer Price Index: Concepts, Sources and Methods* (cat. no. 6461.0).

PRICES

4 The frequency of price collection by item varies as necessary to obtain reliable price measures. Prices of some items are volatile (i.e. their prices may vary many times each quarter) and for these items frequent price observations are necessary to obtain a reliable measure of the average price for the quarter. Each month prices are collected at regular intervals for goods such as alcohol, men's and women's clothing, project homes, motor vehicles, petrol and holiday travel and accommodation. In the case of transactions data, revenue and quantity data are collected on a weekly basis. For most other items, price volatility is not a problem and prices are collected once a quarter. There are a few items where prices are changed at infrequent intervals, for example education fees where prices are set once a year. In these cases, the frequency of price collection is modified accordingly.

5 In order to facilitate a more even spread of field collection workload, the number of items for which prices are collected quarterly is distributed roughly equally across each month of each quarter. In all cases, however, individual items are priced in the same month of each quarter. For example, items for which prices are collected in the first month of the September quarter, July, are also priced in the first month of subsequent quarters, namely October, January and April.

WEIGHTING PATTERN

6 There are 87 expenditure classes (that is, groupings of like items) in the 17th series CPI and each expenditure class has its own weight, or measure of relative importance. In calculating the index, price changes for the various expenditure classes are combined using these weights.

7 Changes in the weighting pattern have formerly been made at approximately six yearly intervals to take account of changes in household spending patterns. From the introduction of the 17th series CPI in December quarter 2017, the weights are now updated annually. The Household Expenditure Survey (HES) is used to re-weight the CPI in the years where it is available, currently six-yearly. In inter-HES years, Household Final Consumption Expenditure (HFCE) data from the National Accounts is used as the primary data source for updating the weights. The CPI now comprises seventeen series of price indexes which have been linked to form a continuous series. The current weighting patterns for the CPI for the weighted average of the eight capital cities and for

EXPLANATORY NOTES *continued*

WEIGHTING PATTERN *continued*

each of the eight capital cities are published in Information Paper: Introduction of the Consumer Price Index Weight Update, 2018 (cat. no. 6470.0.55.002). The historical weighting patterns for the CPI are published in Consumer Price Index: Historical Weighting Patterns, 1948 - 2017 (cat. no. 6431.0). Both publications are available on the ABS website <<http://www.abs.gov.au>>.

ANALYSIS OF CPI CHANGES

8 Movements in indexes from one period to another can be expressed either as changes in index points or as percentage changes. The following example illustrates the method of calculating changes in index points and percentage changes between any two periods:

All groups CPI: Weighted average of eight capital cities. Index numbers:

December Quarter 2018 = 114.1 (see Table 1)

Less December 2017 = 112.1 (see Table 1)

Change in index points = 2

Percentage change = $2/114.1 \times 100 = 1.8\%$ (see Table 2)

9 Percentage changes are calculated to illustrate three different kinds of movements in index numbers:

- movements between consecutive financial years (where the index numbers for financial years are simple averages of the quarterly index numbers)
- movements between corresponding quarters of consecutive years
- movements between consecutive quarters.

10 Table 7 provides a detailed analysis, for the weighted average of eight capital cities, of movements in the CPI since the previous quarter, including information on movements for groups, sub-groups and expenditure classes. It also shows the contribution which each makes to the total CPI. For instance, the dairy and related products sub-group contributed 1.11 index points to the total All groups index number of 113.5 for the September Quarter 2018. The final column shows contributions to the change in All Groups index points by each group, sub-group and expenditure class.

ANALYTICAL SERIES

11 Various series are presented in Table 8 in this publication to assist users analyse the CPI. Some of the analytical series are compiled by taking subsets of the CPI basket, and most are self-explanatory, such as 'All groups CPI excluding food and non-alcoholic beverages'. (A complete list of CPI groups, sub-groups and expenditure classes is contained in Tables 6 and 7). Other series and their composition are described below:

- *All groups CPI, seasonally adjusted*: Comprises all components included in the All groups CPI, seasonally adjusted where seasonality has been identified at the weighted average of eight capital cities level. Seasonal adjustment factors are calculated using the history of price changes up to the current quarter CPI and are revised each quarter.
 - Where CPI expenditure classes are identified as having a seasonal pattern, quarterly price changes are estimated on a seasonally adjusted basis. At the introduction of the 17th series, 57 out of the 87 expenditure classes were classified as seasonal. A description of which series are currently seasonally adjusted is published in the Appendix of every December quarter issue of Consumer Price Index, Australia (cat. no. 6401.0), following the annual seasonal reanalysis.
- *Underlying trend series, 'Trimmed mean' and 'Weighted median'*: These are two analytical measures of trend inflation calculated from the June quarter 2002 using standard ABS seasonal adjustment techniques. For more information see the Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011 (cat. no. 6401.0.55.003). The trimmed mean and weighted median are calculated using the distribution of expenditure classes each quarter derived as follows:

EXPLANATORY NOTES *continued*

ANALYTICAL SERIES *continued*

- The CPI expenditure classes are ranked from lowest to highest according to the seasonally adjusted percentage change from the previous quarter.
- The seasonally adjusted relative weight of each expenditure class is calculated based on its previous quarter contribution to the All groups CPI.
- The 'Trimmed mean' is calculated by using a weighted average of percentage change from the previous quarter (seasonally adjusted) from the middle 70 per cent of the distribution.
- The 'Weighted median' is calculated using the percentage change from the previous quarter (seasonally adjusted) expenditure class at the 50th percentile of the distribution.
- *International Trade Exposure series, Tradables component*: Comprises all items whose prices are largely determined on the world market. For more information, see paragraph 12 below.
- *International Trade Exposure series, Non-tradables component*: Comprises all items not included in the Tradables component.
- *All groups CPI, goods component*: Comprises the food and non-alcoholic beverages group (except restaurant meals); alcohol and tobacco group; clothing and footwear group (except cleaning, repair and hire of clothing and footwear); furnishings, household equipment and services group (except domestic and household services sub-group); utilities, audio, visual and computing equipment and services, and newspapers, books and stationery sub-groups; and new dwelling purchase by owner-occupiers, pharmaceutical products, motor vehicles, automotive fuel, spare parts and accessories for motor vehicles, equipment for sports, camping and open-air recreation, games, toys and hobbies and pets and related products expenditure classes.
- *All groups CPI, services component*: Comprises all items not included in the 'All groups CPI, goods component'. A description of which series are goods or services is published in the Appendix of the December quarter 2017 issue of Consumer Price Index, Australia (cat. no 6401.0).
- *All groups CPI including deposit and loan facilities (indirect charges)*: One of the outcomes of the 16th series CPI Review was to remove the indirectly measured component of the deposit and loan facilities index from the headline CPI but to include it in a new analytical series. This index includes the 17th series All groups CPI plus the indirectly measured component of the deposit and loan facilities index.
- *Market goods and services excluding 'volatile items'*: in addition to the items excluded from the series 'All groups CPI excluding 'volatile items'', also excludes: utilities, property rates and charges, child care, health, other services in respect of motor vehicles, urban transport fares, postal services, and education.
- *All groups CPI excluding insurance and financial services*: Reflecting the changing composition of the CPI, from the September quarter 1989 to the June quarter 1998, comprises the All groups CPI excluding house insurance, house contents insurance, vehicle insurance and mortgage interest charges and consumer credit charges; from the September quarter 1998 to the June quarter 2000 comprises the All groups CPI excluding house insurance, house contents insurance and vehicle insurance; from the September quarter 2000 to the June quarter 2005 comprises the All groups CPI excluding insurance services; from the September quarter 2005 to the June quarter 2011 comprises the All groups CPI excluding financial and insurance services; from the September quarter 2011 comprises the All groups CPI excluding insurance and financial services.

EXPLANATORY NOTES *continued*

ANALYTICAL SERIES *continued*

- *All groups CPI excluding housing and insurance and financial services*: Reflecting the changing composition of the CPI, from the September quarter 1989 to the June quarter 1998, comprises the All groups CPI excluding housing, house contents insurance, vehicle insurance and consumer credit charges; from the September quarter 1998 to the June quarter 2000 comprises the All groups CPI excluding housing, house insurance, house contents insurance and vehicle insurance; from the September quarter 2000 to the June quarter 2005 comprises the All groups CPI excluding housing and insurance services; from the September quarter 2005 to the June quarter 2011 comprises the All groups CPI excluding housing and financial and insurance services; from the September quarter 2011 comprises the All groups CPI excluding housing and insurance and financial services.
- *All groups CPI excluding food and energy*: Comprises the All groups CPI excluding the food and non-alcoholic beverages group (except restaurant meals); electricity, gas and other household fuels; and automotive fuel.
- *All groups CPI excluding 'volatile items'*: Comprises the All groups CPI excluding fruit and vegetables and automotive fuel.

12 The International Trade Exposure series was reviewed and updated for the December quarter 2016. There were eight changes of classification outlined in the September quarter 2016 feature article 'Review of the Consumer Price Index International Trade Exposure Series' (cat. no. 6401.0): breakfast cereals; waters, soft drinks and juices; gas and other household fuels; therapeutic appliances and equipment; and newspaper, magazines and stationery were reclassified from non-tradables to tradables; and spirits; tobacco; and pharmaceutical products were reclassified from tradables to non-tradables. These changes are included from the December quarter 2016. The historical tradables and non-tradables series will not be revised. A description of which expenditure classes are tradables or non-tradables is published in the Appendix of the December quarter 2017 issue of Consumer Price Index, Australia (cat. no 6401.0).

ROUNDING

13 Published index numbers, except for the underlying trend series, are rounded to one decimal place. Percentage change movements are calculated from the index numbers and then rounded to one decimal place. Rounding errors can occur, causing discrepancies (e.g. when calculating percentage changes of aggregates and their components). Underlying trend series, 'Trimmed mean' and 'Weighted median' index numbers are published to four decimal places. Percentage change movements are calculated from the published index numbers and rounded to one decimal place.

SEASONALLY ADJUSTED INDEXES

14 Seasonally adjusted estimates are derived by estimating and removing systematic calendar related effects from the original series. In most economic data these calendar related effects are a combination of the classical seasonal influences (e.g. the effect of the weather, social traditions or administrative practices such as government charges increasing on 1 July each year) plus other kinds of calendar related variations, such as Easter or the proximity of significant days in the year (e.g. Christmas). In the seasonal adjustment process, both seasonal and other calendar related factors evolve over time to reflect changes in activity patterns. The seasonally adjusted estimates reflect the sampling and non-sampling errors to which the original estimates are subject.

15 The CPI uses a concurrent seasonal adjustment methodology to derive the adjustment factors. This method uses the original time series available at each reference period to estimate seasonal factors for the current and previous quarters. Concurrent seasonal adjustment is technically superior to the more traditional method of reanalysing seasonal patterns once each year because it uses all available data to fine tune the estimates of the seasonal component each quarter. With concurrent analysis, the seasonally adjusted series are subject to revision each quarter as the estimates of the seasonal factors are improved. In most instances, the only significant revisions will be to

EXPLANATORY NOTES *continued*

SEASONALLY ADJUSTED INDEXES *continued*

the combined adjustment factors for the previous quarter and for the same quarter in the preceding year as the reference quarter (i.e. if the latest quarter is June quarter 2018 then the most significant revisions will be to March quarter 2018 and June quarter 2017). The seasonal patterns are also reanalysed on an annual basis or when there are known changes to regular events. This can lead to additional revisions.

16 Autoregressive integrated moving average (ARIMA) modelling can improve the revision properties of the seasonally adjusted and trend estimates. 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. From the December quarter 2012, the Consumer Price Index uses ARIMA modelling where appropriate for individual time series. The ARIMA model is assessed as part of the annual reanalysis. For more information on ARIMA modelling see Feature article: Use of ARIMA modelling to reduce revisions in the October 2004 issue of *Australian Economic Indicators* (cat. no. 1350.0).

17 The ABS applies seasonal adjustment to the expenditure class components of the CPI which are found to be seasonal, and then aggregates the seasonally adjusted and non-seasonally adjusted components to calculate the All groups CPI, seasonally adjusted, Trimmed mean and Weighted median estimates. The seasonally adjusted expenditure class components are available in Table 13 – CPI expenditure classes and selected analytical series, seasonally adjusted index numbers, weighted average of eight capital cities. The seasonal factors used to derive these seasonally adjusted indexes are available in Table 14 – CPI expenditure class, combined seasonal adjustment factors, weighted average of eight capital cities. For more information about seasonal adjustment of the CPI please refer to *Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011* (cat. no. 6401.0.55.003).

INTERNATIONAL COMPARISONS

18 In analysing price movements in Australia, an important consideration is Australia's performance relative to other countries. However, a simple comparison of All groups (or headline) CPIs is often inappropriate because of the different measurement approaches used by countries for certain products, particularly housing and financial and insurance services. To provide a better basis for international comparisons, the 17th International Conference of Labour Statisticians adopted a resolution which called for countries to 'if possible, compile and provide for dissemination to the international community an index that excludes housing and financial services' in addition to the all-items index.

REVISIONS

19 CPI original indexes are revised only in exceptional circumstances, such as to correct a significant error. As is the case with all price indexes, the index reference period (i.e. the period in which the index is set equal to 100.0) will be changed periodically. The index number levels for all periods will be changed by this process and it may also result in differences, due to rounding, between the percentage changes published on the old base and those on the new base. Seasonally adjusted indexes (including the Trimmed mean and Weighted median) for some quarters will be revised as extra quarters are included in the series analysed for seasonal influences (see paragraphs 14 to 17).

RELATED PUBLICATIONS

20 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.

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

- Information Paper: Introduction of the Consumer Price Index Weight Update, 2018 (cat. no. 6470.0.55.002)

EXPLANATORY NOTES *continued*

RELATED PUBLICATIONS *continued*

- *An update on the Annual Re-weighting of the Australian CPI and Living Cost Indexes*, August 2018 (cat. no. 6401.0.60.006)
- *Information Paper: Introduction of the 17th Series Australian Consumer Price Index*, 2017 (cat. no. 6470.0.55.001)
- *Consumer Price Index: 17th Series Weighting Pattern*, Sep 2017 (cat. no. 6473.0)
- *Consumer Price Index: Historical Weighting Patterns, 1948 - 2017* (cat. no. 6431.0)
- *A Guide to the Consumer Price Index: 17th Series, 2017* (cat. no. 6440.0)
- *Information Paper: An Implementation Plan to Annually Re-weight the Australian CPI*, 2017 (cat.no. 6401.0.60.005)
- *Information Paper: An Implementation Plan to Maximise the Use of Transactions Data in the CPI*, Jun 2017 (cat.no. 6401.0.60.004)
- *Enhancing the Australian CPI: A roadmap, Aug 2015* (cat. no. 6401.0.60.001)
- *Information Paper: Increasing the Frequency of CPI Expenditure Class Weight Updates, July 2016* (cat. no. 6401.0.60.002)
- *Information Paper: Making Greater Use of Transactions Data to compile the Consumer Price Index, Australia, 2016* (cat. no. 6401.0.60.003)
- *Consumer Price Index: Concepts, Sources and Methods* (cat. no. 6461.0)
- *Consumer Price Index: Correspondence with Household Expenditure Classification, Australia* (cat. no. 6446.0.55.001)
- *Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011* (cat. no. 6401.0.55.003)
- *Selected Living Cost Indexes, Australia* (cat. no. 6467.0)
- *Residential Property Price Indexes: Eight Capital Cities* (cat. no. 6416.0)
- *Producer Price Indexes, Australia* (cat. no. 6427.0)
- *International Trade Price Indexes, Australia* (cat. no. 6457.0)
- *Wage Price Index, Australia* (cat. no. 6345.0)

DATA AVAILABLE

22 As well as the statistics included in this publication, there is more detailed data for each capital city available on the ABS website. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

APPENDIX ANALYTICAL PRICE INDEX SERIES

- INTRODUCTION**
- 1** Various series are presented in Table 8 of the Consumer Price Index, Australia (cat. no. 6401.0) to assist users analyse the CPI. This appendix describes the composition of the analytical series - goods and services, international trade exposure and seasonally adjusted - in the Australian CPI. Table 1 shows in which of the analytical series the 87 CPI expenditure classes are included.
- GOODS AND SERVICES**
- 2** The ABS has classified expenditure classes as goods or services based on the majority of products in each category. In the CPI, 60 out of the 87 expenditure classes, accounting for approximately 53 per cent of the All groups CPI by weight, have been classified as goods. The remaining 27 expenditure classes, accounting for approximately 47 per cent of the All groups CPI by weight, have been classified as services.
- INTERNATIONAL TRADE EXPOSURE - TRADABLES AND NON-TRADABLES**
- 3** The tradables and non-tradables classification was reviewed and updated in the December quarter 2016 using 2013-14 Input-Output data to classify each expenditure class as tradable or non-tradable. As a result, there were eight changes to the classification: breakfast cereals; waters, soft drinks and juices; gas and other household fuels; therapeutic appliances and equipment; and newspaper, magazines and stationery were reclassified from non-tradables to tradables; and spirits; tobacco; and pharmaceutical products were reclassified from tradables to non-tradables.
- 4** In aggregate, 49 expenditure classes, accounting for approximately 35 per cent of the CPI by weight, have been classified as tradables. The remaining 38 expenditure classes, accounting for approximately 65 per cent of the CPI by weight, have been classified as non-tradables.
- 5** The method used to classify the series expenditure classes is set out below:
- Data from the National Accounts Input-Output Tables 2013-14 and the related product correspondence with the 16th series Consumer Price Index Commodity Classification were used to calculate Australia's exports as a ratio of total Australian production and imports as a ratio of total usage, for each expenditure class. The correspondence is available in table 40 of Australian National Accounts: Input-Output Tables, 2013-14 (cat. no. 5209.0.55.001);
 - All expenditure by international tourists in Australia was excluded from exports, as their expenditure on items such as urban transport fares was deemed not to affect price change;
 - Expenditure classes were classified as 'tradables' if either of the export or import ratios were greater than 10 per cent;
 - The remaining expenditure classes were classified as 'non-tradables'.
- 6** Further detail is provided in the September quarter 2016 feature article 'Review of the Consumer Price Index International Trade Exposure Series' (cat. no. 6401.0).
- MARKET GOODS AND SERVICES EXCLUDING 'VOLATILE ITEMS'**
- 7** Market items are those available on the open market. The volatile items are fruit, vegetables and automotive fuel.
- SEASONALITY OF CPI EXPENDITURE CLASSES**
- 8** Seasonal adjustment uses a range of statistical tests to determine if seasonality is present in each expenditure class price index. This approach identifies series that show seasonal patterns over any part of the series to be seasonal.
- 9** The CPI Annual Seasonal Re-analysis (ASR) was conducted in the December quarter 2018. The ASR reviews the seasonal adjustment of the CPI series in more detail than is possible in the quarterly processing cycle.
- 10** Following the 2018 ASR, 57 of the 87 expenditure class price indexes in the CPI are considered seasonal and will be seasonally adjusted for the Analytical series; 'All groups CPI, seasonally adjusted' and 'Underlying trend series - Trimmed mean and Weighted median'.

APPENDIX ANALYTICAL PRICE INDEX SERIES *continued*

SEASONALITY OF CPI EXPENDITURE CLASSES *continued*

11 Seasonally adjusted index numbers can be found in 'Table 13. CPI: Group, Expenditure Class and Selected Analytical Series Index Numbers, Seasonally adjusted, Weighted Average of Eight Capital Cities' and combined seasonal adjustment factors can be found in 'Table 14. CPI: Expenditure Class, Combined seasonal adjustment factors, Weighted Average of Eight Capital Cities'. These tables can be downloaded from the 'Downloads' tab of this issue on the ABS website <<http://www.abs.gov.au>>.

12 As a result of the 2018 ASR, the following series is now seasonally adjusted:

- Coffee, tea and cocoa, from March quarter 2011

13 As a result of the 2018 ASR, the following series has ceased being seasonally adjusted:

- Other non-durable household products, from September quarter 2011

14 The following series has had an adjustment introduced due to changes in seasonal patterns:

- Child care, from September quarter 2018
- Tertiary education, from March quarter 2016

15 Changes to the seasonally adjusted series do not affect the original CPI index series.

16 For more details on the seasonal adjustment of the CPI please refer to Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011 (cat. no. 6401.0.55.003).

APPENDIX ANALYTICAL PRICE INDEX SERIES *continued*

TABLE 1 - 16TH SERIES CPI EXPENDITURE CLASSES CLASSIFIED BY ANALYTICAL SERIES (a)(b)

CPI expenditure classes	INTERNATIONAL TRADE EXPOSURE				SEASONAL		Market goods and services excluding 'volatiles'
	Goods	Services	Tradables	Non-tradables	Including current period	Not including current period	
Bread	y			y			y
Cakes and biscuits	y		y		y		y
Breakfast cereals	y		y		y		y
Other cereal products	y		y		y		y
Beef and veal	y		y		y		y
Pork	y		y		y		y
Lamb and goat	y		y		y		y
Poultry	y			y		y	y
Other meats	y		y		y		y
Fish and other seafood	y		y		y		y
Milk	y			y		y	y
Cheese	y		y				y
Ice cream and other dairy products	y		y			y	y
Fruit(c)	y		y		y		
Vegetables(c)	y		y		y		
Eggs	y			y		y	y
Jams, honey and spreads	y		y				y
Food additives and condiments	y		y		y		y
Oils and fats	y		y			y	y
Snacks and confectionery	y		y		y		y
Other food products n.e.c.	y		y		y		y
Coffee, tea and cocoa	y		y		y		y
Waters, soft drinks and juices	y		y		y		y
Restaurant meals		y		y			y
Take away and fast foods	y			y		y	y
Spirits	y			y			y
Wine	y		y		y		y
Beer	y			y			y
Tobacco	y			y	y		y
Garments for men	y		y		y		y
Garments for women	y		y		y		y
Garments for infants and children	y		y		y		y
Footwear for men	y		y			y	y
Footwear for women	y		y		y		y
Footwear for infants and children	y		y		y		y
Accessories	y		y		y		y
Cleaning, repair and hire of clothing and footwear		y		y		y	y
Rents		y		y	y		y
New dwelling purchase by owner-occupiers	y			y			y

(a) As at December quarter 2018

(c) volatile items

(b) y = yes

APPENDIX ANALYTICAL PRICE INDEX SERIES *continued*

TABLE 1 - 16TH SERIES CPI EXPENDITURE CLASSES CLASSIFIED BY ANALYTICAL SERIES (a)(b)
continued

CPI expenditure classes			INTERNATIONAL TRADE EXPOSURE		SEASONAL		Market goods and services excluding 'volatiles'
	Goods	Services	Tradables	Non-tradables	Including current period	Not including current period	
Maintenance and repair of the dwelling		y		y	y		y
Property rates and charges		y		y	y		
Water and sewerage							
Electricity	y			y	y		
Gas and other household fuels	y		y		y		
Furniture	y		y		y		y
Carpets and other floor coverings	y		y		y		y
Household textiles	y		y		y		y
Major household appliances	y		y		y		y
Small electric household appliances	y		y		y		y
Glassware, tableware and household utensils	y		y		y		y
Tools and equipment for house and garden	y		y			y	y
Cleaning and maintenance products	y		y				y
Personal care products	y		y				y
Other non-durable household products	y		y			y	y
Child care		y		y	y		
Hairdressing and personal grooming services		y		y			y
Other household services		y		y			y
Pharmaceutical products	y			y	y		
Therapeutic appliances and equipment		y	y				
Medical and hospital services		y		y	y		
Dental services		y		y	y		
Motor vehicles	y		y		y		y
Spare parts and accessories for motor vehicles	y		y		y		y
Automotive fuel(c)	y		y			y	
Maintenance and repair of motor vehicles		y		y		y	y

(a) As at December quarter 2018

(c) volatile items

(b) y = yes

APPENDIX ANALYTICAL PRICE INDEX SERIES *continued*

TABLE 1 - 16TH SERIES CPI EXPENDITURE CLASSES CLASSIFIED BY ANALYTICAL SERIES (a)(b)
continued

CPI expenditure classes	INTERNATIONAL TRADE EXPOSURE				SEASONAL		
	Goods	Services	Tradables	Non-tradables	Including current period	Not including current period	Market goods and services excluding 'volatiles'
Other services in respect of motor vehicles		y		y	y		
Urban transport fares		y		y	y		
Postal services		y		y			
Telecommunication equipment and services		y		y			y
Audio, visual and computing equipment	y		y		y		y
Audio, visual and computing media and services	y		y				y
Books	y		y		y		y
Newspapers, magazines and stationery	y		y		y		y
Domestic holiday travel and accommodation		y		y	y		y
International holiday travel and accommodation		y	y		y		y
Equipment for sports, camping and open-air recreation	y		y				y
Games, toys and hobbies	y		y		y		y
Pets and related products	y			y	y		y
Veterinary and other services for pets		y		y	y		y
Sports participation		y		y	y		y
Other recreational, sporting and cultural services		y		y	y		y
Preschool and primary education		y		y	y		
Secondary education		y		y	y		
Tertiary education		y		y	y		
Insurance		y		y	y		y
Deposit and loan facilities (direct charges)		y		y			y
Other financial services		y		y			y

(a) As at December quarter 2018

(b) y = yes

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