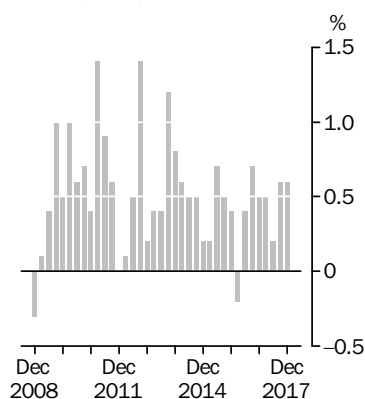


CONSUMER PRICE INDEX

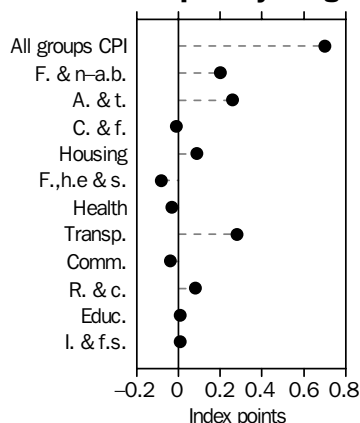
AUSTRALIA

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All Groups CPI
Quarterly change



Contribution to quarterly change



KEY FIGURES

WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES

	<i>Sep Qtr 2017 to Dec Qtr 2017</i> % change	<i>Dec Qtr 2016 to Dec Qtr 2017</i> % change
All groups CPI	0.6	1.9
Food and non-alcoholic beverages	1.0	-0.2
Alcohol and tobacco	3.2	7.3
Clothing and footwear	-0.3	-3.0
Housing	0.3	3.4
Furnishings, household equipment and services	-0.8	-0.8
Health	-0.5	4.0
Transport	2.4	3.3
Communication	-1.3	-3.4
Recreation and culture	0.6	0.6
Education	0.1	3.2
Insurance and financial services	0.2	1.3
CPI analytical series		
All groups CPI, seasonally adjusted	0.6	2.0
Trimmed mean	0.4	1.8
Weighted median	0.4	2.0

KEY POINTS

THE ALL GROUPS CPI

- rose 0.6% this quarter, compared with a rise of 0.6% in the September quarter 2017.
- rose 1.9% over the twelve months to the December quarter 2017, compared with a rise of 1.8% over the twelve months to the September quarter 2017.

OVERVIEW OF CPI MOVEMENTS

- The most significant price rises this quarter are automotive fuel (+10.4%), tobacco (+8.5%), domestic holiday travel and accommodation (+6.3%) and fruit (+9.3%).
- The most significant offsetting price falls this quarter are international holiday travel and accommodation (-1.7%), audio visual and computing equipment (-3.5%), and telecommunication equipment and services (-1.4%).

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 2018	24 April 2018
June 2018	25 July 2018
September 2018	31 October 2018
December 2018	30 January 2019

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CHANGES IN THIS ISSUE

This issue includes the introduction of new weighting patterns associated with the 17th series Australian Consumer Price Index (CPI). For more details of changes resulting from the introduction of the 17th series CPI, refer to *Information Paper: Introduction of the 17th Series Australian Consumer Price Index, 2017* (cat. no. 6470.0.55.001), which was released on 6 November 2017. Details of the new weighting pattern have also been released in *Consumer Price Index, 17th Series Weighting Pattern* (cat. no. 6473.0).

This issue also includes the introduction of Multilateral index methods. For more details of changes to the CPI, refer to *Information Paper: An Implementation Plan to Maximise the Use of Transactions Data in the CPI, 2017* (cat. no. 6401.0.60.004).

ROUNDING

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

PRIVACY

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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

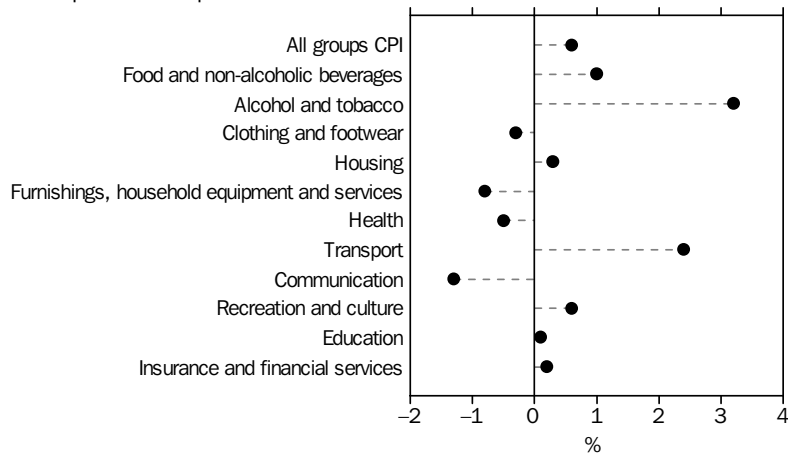
MAIN CONTRIBUTORS TO CHANGE

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

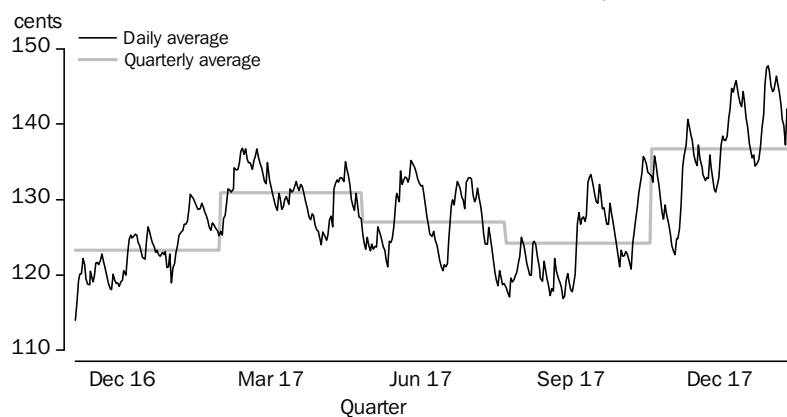


TRANSPORT GROUP (+2.4%)

The main contributor to the rise in the transport group this quarter is automotive fuel (+10.4%). Automotive fuel rose in October (+3.9%), November (+4.7%) and December (+2.1%). All fuel types recorded rises this quarter. The rise is partially offset by falls in motor vehicles (-1.1%).

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, the transport group rose 3.3%.

In seasonally adjusted terms, the transport group rose 2.7% this quarter. The main contributor to the rise is automotive fuel (+10.4%).

MAIN CONTRIBUTORS TO CHANGE *continued*

ALCOHOL AND TOBACCO GROUP (+3.2%)	<p>The main contributor to the rise in the alcohol and tobacco group this quarter is tobacco (+8.5%). The rise in tobacco is due to the flow on effects of the federal excise tax increase of 12.5% and the further increase based on Average Weekly Ordinary Time Earnings (AWOTE) effective 1 September 2017.</p> <p>Over the last twelve months, the alcohol and tobacco group rose 7.3%.</p> <p>In seasonally adjusted terms, the alcohol and tobacco group rose 1.8% this quarter. The main contributor to the rise is tobacco (+4.1%).</p>
FOOD AND NON-ALCOHOLIC BEVERAGES GROUP (+1.0%)	<p>The main contributor to the rise in the food and non-alcoholic beverages group this quarter is fruit (+9.3%) due to rises for berries, particularly strawberries, and grapes.</p> <p>Over the last twelve months, the food and non-alcoholic beverages group fell 0.2%.</p> <p>In seasonally adjusted terms, the food and non-alcoholic beverages group rose 0.8% this quarter. The main contributor to the rise is fruit (+6.4%).</p>
HOUSING GROUP (+0.3)	<p>The main contributors to the rise in the housing group this quarter are new dwelling purchase by owner-occupiers (+0.6%), electricity (+0.9%), maintenance and repair of the dwellings (+0.7%) and rents (+0.3%). The rise in new dwelling purchase by owner-occupiers is due to continued demand in the eastern states and increases in input costs. The rise is partially offset by a fall in gas and other household fuels (-1.7%) due to the seasonal switch to off-peak pricing in Melbourne.</p> <p>Over the last twelve months, the housing group rose 3.4%.</p> <p>In seasonally adjusted terms, the housing group rose 0.8% this quarter. The main contributors to the rise are electricity (+2.4%) and new dwelling purchase by owner-occupiers (+0.6%).</p>
RECREATION AND CULTURE GROUP (+0.6%)	<p>The main contributor to the rise in the recreation and culture group this quarter is domestic holiday travel and accommodation (+6.3%). 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.</p> <p>Over the last twelve months, the recreation and culture group rose 0.6%.</p> <p>In the CPI, airfares and accommodation are collected in advance (at the time of payment), but are only used in the CPI in the quarter in which the trip is undertaken. International airfares are collected two months in advance (October for travel in December) and domestic airfares are collected one month in advance (November for travel in December).</p> <p>In seasonally adjusted terms, the recreation and culture group fell 0.4% this quarter. The main contributor to the fall is international holiday travel and accommodation (-1.7%).</p>
INSURANCE AND FINANCIAL SERVICES GROUP (+0.2%)	<p>The main contributor to the rise in the insurance and financial services group this quarter is insurance (+1.8%). The rise was partially offset by a fall in deposit and loan facilities (direct charges) (-3.0%) due to the removal of non-customer ATM withdrawal fees.</p>

MAIN CONTRIBUTORS TO CHANGE *continued*

INSURANCE AND FINANCIAL SERVICES GROUP (+0.2%) *continued*

Over the past twelve months, the insurance and financial services group rose 1.3%.
In seasonally adjusted terms, the insurance and financial services group recorded no change this quarter.

EDUCATION GROUP (+0.1%)

The main contributor to the rise in education this quarter is preschool and primary education (+0.3%).

Over the last twelve months, the education group rose 3.2%.

In seasonally adjusted terms, the education group rose 1.1% this quarter. The main contributor to the rise is secondary education (+1.1%).

FURNISHINGS, HOUSEHOLD EQUIPMENT AND SERVICES GROUP (-0.8%)

The main contributor to the fall in the furnishings, household equipment and services group this quarter is household textiles (-5.7%) due to ongoing competition and continued discounting activity in the retail industry. The fall was partially offset by a rise in child care (+1.1%).

Over the last twelve months, the furnishings, household equipment and services group fell 0.8%.

In seasonally adjusted terms, the furnishings, household equipment and services group fell 0.4% this quarter.

COMMUNICATION GROUP (-1.3%)

The main contributor to the fall in the communication group this quarter is telecommunication equipment and services (-1.4%). The fall was partially offset by a rise in postal services (+1.7%).

Over the last twelve months, the communication group fell 3.4%.

The communication group is not seasonally adjusted.

HEALTH GROUP (-0.5%)

The main contributor to the fall in the health group this quarter is pharmaceutical products (-2.0%) due to the cyclical increase in the proportion of consumers exceeding the Pharmaceutical Benefits Scheme (PBS) safety net which reduces the out-of-pocket expense.

Over the last twelve months the health group rose 4.0%.

In seasonally adjusted terms, the health group rose 1.1% this quarter. The main contributor to the rise is medical and hospital services (+1.4%).

CLOTHING AND FOOTWEAR GROUP (-0.3%)

The main contributor to the fall in the clothing and footwear group this quarter are garments for women (-1.5%) and footwear for women (-1.8%) due to ongoing competition and continued discounting activity in the retail industry.

Over the last twelve months, the clothing and footwear group fell 3.0%.

In seasonally adjusted terms, the clothing and footwear group fell 0.3% this quarter. The main contributor to the fall is garments for women (-1.3%).

MAIN CONTRIBUTORS TO CHANGE *continued*

INTERNATIONAL TRADE EXPOSURE - TRADABLES AND NON-TRADABLES

The tradables component of the All groups CPI rose 0.5% in the December quarter 2017. The tradable goods component rose 0.7% mainly due to automotive fuel (+10.4%) and fruit (+9.3%). The tradable services component fell 1.7% due to international holiday travel and accommodation (-1.7%).

The non-tradables component of the All groups CPI rose 0.8% in the December quarter 2017. The non-tradable goods component rose 1.4%, mainly due to tobacco (+8.5%) and new dwelling purchase by owner-occupiers (+0.6%). The non-tradable services component rose 0.4%, mainly due to domestic holiday travel and accommodation (+6.3%) and insurance (+1.8%).

Over the last twelve months the tradables component fell 0.3% and the non-tradables component rose 3.1%.

In seasonally adjusted terms, the tradables component of the All groups CPI rose 0.6% while the non-tradables component rose 0.7%.

SEASONALLY ADJUSTED ANALYTICAL SERIES

The All groups CPI seasonally adjusted rose 0.6% this quarter, compared to the original All groups CPI which recorded a rise of 0.6%.

The trimmed mean rose 0.4% this quarter, compared to a rise of 0.4% in the September quarter 2017. Over the last twelve months, the trimmed mean rose 1.8%, compared to a rise of 1.8% over the twelve months to the September quarter 2017.

The weighted median rose 0.4% this quarter, compared to a revised rise of 0.4% in the September quarter 2017. Over the last twelve months, the weighted median rose 2.0%, compared to a rise of 1.9% over the twelve months to the September quarter 2017.

	ORIGINAL	SEASONALLY ADJUSTED
	Sep Qtr 2017 to Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017
	%	%
All groups CPI	0.6	0.6
Food and non-alcoholic beverages	1.0	0.8
Alcohol and tobacco	3.2	1.8
Clothing and footwear	-0.3	-0.3
Housing	0.3	0.8
Furnishings, household equipment and services	-0.8	-0.4
Health	-0.5	1.1
Transport	2.4	2.7
Communication(a)	-1.3	-1.3
Recreation and culture	0.6	-0.4
Education	0.1	1.1
Insurance and financial services	0.2	0.0
International trade exposure series		
Tradables	0.5	0.6
Non-tradables	0.8	0.7

(a) not seasonally adjusted

MAIN CONTRIBUTORS TO CHANGE *continued*

SEASONALLY ADJUSTED
ANALYTICAL SERIES
continued

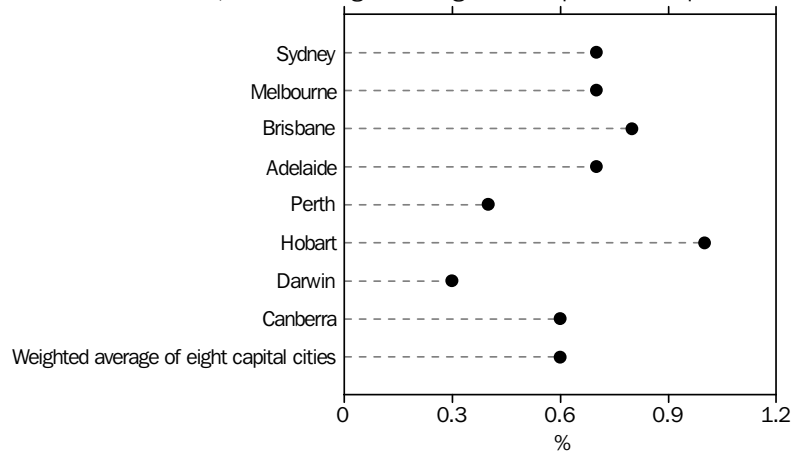
A detailed explanation of the seasonal adjustment of the All Groups CPI and calculation of the trimmed mean and weighted median measures is available in *Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011* (cat. no. 6401.0.55.003) available on the ABS website. Revisions to the seasonally 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 of the eight capital cities, with Hobart recording the largest movement.

The transport group (+2.4%) is the most significant positive contributor to the All groups quarterly movement, with rises across all eight capital cities. This is driven by automotive fuel (+10.4%), due to increases in world oil prices.

The alcohol and tobacco group (+3.2%) is the second most significant positive contributor to the All groups quarterly movement, with rises across all eight capital cities. This is driven by a rise in tobacco (+8.5%), due to the flow on effects of the federal excise tax increase of 12.5% and the further increase based on Average Weekly Ordinary Time Earnings (AWOTE) effective 1 September 2017.

The food and non-alcoholic beverages group (+1.0%) is the third most significant positive contributor to the All groups quarterly movement, with rises in all eight capital cities. The rise is driven by fruits (+9.3%), due to rises for berries, particularly strawberries, and grapes.

The most significant offsetting negative contributor to the All groups quarterly movement is the furnishings, household equipment and services group (-0.8%), with falls across all eight capital cities. The fall is driven by household textiles (-5.7%) due to ongoing competition and continued discounting activity in the retail industry.

Over the last twelve months to December quarter 2017, the All groups CPI (+1.9%) has risen across all eight capital cities, with Adelaide (+2.3%), Sydney (+2.2%), Melbourne (+2.2%) and Canberra (+2.2%) 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 2017</i>	<i>Sep Qtr 2017 to Dec Qtr 2017</i>	<i>Dec Qtr 2016 to Dec Qtr 2017</i>
Sydney	113.3	0.7	2.2
Melbourne	112.3	0.7	2.2
Brisbane	112.3	0.8	1.9
Adelaide	111.2	0.7	2.3
Perth	109.9	0.4	0.8
Hobart	110.3	1.0	2.1
Darwin	109.7	0.3	1.0
Canberra	110.3	0.6	2.2
Weighted average of eight capital cities	112.1	0.6	1.9

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

SYDNEY (+0.7%)

The main contributors to the rise in Sydney this quarter are automotive fuel (+12.0%), tobacco (+8.2%) and domestic holiday travel and accommodation (+4.7%). The rise is partially offset by falls in international travel and accommodation (-1.6%) and motor vehicles (-1.7%). The fall in international travel and accommodation are due to the Northern hemisphere entering low holiday season.

MELBOURNE (+0.7%)

The main contributors to the rise in Melbourne this quarter are automotive fuel (+10.6%), tobacco (+8.4%) and domestic holiday travel and accommodation (+7.5%). The rise is partially offset by falls in audio, visual and computing equipment (-3.9%) and international travel and accommodation (-1.5%). Falls in audio, visual and computing equipment are driven by falls in televisions as a result of increased competition and discounting in the lead up to the Christmas period in order to stimulate demand.

BRISBANE (+0.8%)

The main contributors to the rise in Brisbane this quarter are automotive fuel (+10.6%), tobacco (+9.1%) and domestic holiday travel and accommodation (+5.6%). The rise is partially offset by falls in international travel and accommodation (-1.9%) and audio, visual and computing equipment (-3.6%).

ADELAIDE (+0.7%)

The main contributors to the rise in Adelaide this quarter are tobacco (+9.0%), automotive fuel (+9.0%), and domestic holiday travel and accommodation (+5.1%). The rise is partially offset by falls in international travel and accommodation (-2.6%) and audio, visual and computing equipment (-2.9%).

PERTH (+0.4%)

The main contributors to the rise in Perth this quarter are automotive fuel (+8.4%), domestic holiday travel and accommodation (+8.4%) and tobacco (+8.4%). The rise is partially offset by falls in rents (-1.2%) and audio, visual and computing equipment (-4.2%). The fall in rents is due to high vacancy rates putting downward pressure on rental prices.

CAPITAL CITIES COMPARISON *continued*

HOBART (+1.0%)

The main contributors to the rise in Hobart this quarter are domestic holiday travel and accommodation (+18.4%), tobacco (+9.7%) and automotive fuel (+3.0%). The rise in domestic holiday travel and accommodation is a result of Hobart's popularity as a holiday destination. The rise is partially offset by a fall in international holiday travel and accommodation (-2.3%).

DARWIN (+0.3%)

The main contributors to the rise in Darwin this quarter are tobacco (+8.9%), automotive fuel (+8.1%) and fruits (+11.0%). The rise is partially offset by falls in domestic holiday travel and accommodation (-9.1%) and audio, visual and computing equipment (-4.1%).

CANBERRA (+0.6%)

The main contributors to the rise in Canberra this quarter are automotive fuel (+8.9%), domestic holiday travel and accommodation (+6.2%) and tobacco (+8.8%). The rise is partially offset by falls in international holiday travel and accommodation (-1.5%) and audio, visual and computing equipment (-2.4%).

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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>
2013–14	105.2	105.0	104.9	104.7	105.3	103.7	106.9	104.2	105.0
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
2013									
December	105.0	104.8	104.6	104.4	104.9	103.6	106.5	104.1	104.8
2014									
March	105.6	105.3	105.2	105.1	105.6	104.1	107.4	104.6	105.4
June	106.0	105.9	105.8	105.5	106.4	104.5	108.1	104.8	105.9
September	106.6	106.1	106.5	105.9	106.9	104.6	108.3	105.2	106.4
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

(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)									
2013-14	2.5	2.7	2.8	2.5	3.0	2.5	3.7	2.3	2.6
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
PERCENTAGE CHANGE (from corresponding quarter of previous year)									
2013									
December	2.6	2.7	2.6	2.3	2.9	2.6	4.4	2.3	2.7
2014									
March	2.8	2.8	3.1	2.9	3.1	2.8	3.6	2.6	2.9
June	2.8	3.2	3.2	3.1	3.3	2.8	3.3	2.2	3.0
September	2.2	2.0	2.6	2.1	2.6	1.9	2.7	2.0	2.3
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
PERCENTAGE CHANGE (from previous quarter)									
2013									
December	0.7	0.8	0.8	0.7	0.7	1.0	0.9	1.0	0.8
2014									
March	0.6	0.5	0.6	0.7	0.7	0.5	0.8	0.5	0.6
June	0.4	0.6	0.6	0.4	0.8	0.4	0.7	0.2	0.5
September	0.6	0.2	0.7	0.4	0.5	0.1	0.2	0.4	0.5
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

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>
2013–14	101.8	110.0	99.3	109.0	101.5	111.6
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
2013						
December	101.9	108.4	99.7	108.6	102.1	109.2
2014						
March	102.2	111.5	97.6	109.2	100.6	112.0
June	102.6	113.3	99.1	110.1	101.7	115.2
September	103.8	114.5	98.1	110.6	102.1	115.0
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

(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>
2013–14	103.5	103.0	101.4	111.6	104.5	105.0
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
2013						
December	103.1	103.6	102.2	108.8	104.3	104.8
2014						
March	104.2	103.8	101.7	114.4	104.7	105.4
June	103.5	102.0	101.4	114.4	104.7	105.9
September	103.4	100.6	102.0	114.5	105.3	106.4
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

(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)						
2013–14	1.3	5.9	-0.2	3.9	0.7	4.4
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
PERCENTAGE CHANGE (from corresponding quarter of previous year)						
2013						
December	1.1	5.4	-1.3	4.3	1.1	4.4
2014						
March	2.2	6.8	0.5	3.6	0.9	4.0
June	2.5	7.1	-0.6	3.9	1.0	4.9
September	3.5	7.3	-2.7	2.3	0.4	4.7
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
PERCENTAGE CHANGE (from previous quarter)						
2013						
December	1.6	1.6	-1.1	0.5	0.4	-0.5
2014						
March	0.3	2.9	-2.1	0.6	-1.5	2.6
June	0.4	1.6	1.5	0.8	1.1	2.9
September	1.2	1.1	-1.0	0.5	0.4	-0.2
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

	<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)						
2013-14	2.4	1.3	2.3	5.4	1.7	2.6
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

	<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)						
2013						
December	1.9	1.7	2.4	5.6	1.6	2.7
2014						
March	2.5	1.9	2.7	5.1	1.3	2.9
June	2.7	-0.3	3.3	5.1	1.0	3.0
September	0.2	-1.8	1.9	5.2	1.2	2.3
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

	<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)						
2013						
December	-0.1	1.2	2.1	0.0	0.2	0.8
2014						
March	1.1	0.2	-0.5	5.1	0.4	0.6
June	-0.7	-1.7	-0.3	0.0	0.0	0.5
September	-0.1	-1.4	0.6	0.1	0.6	0.5
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

Quarters	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
FOOD AND NON-ALCOHOLIC BEVERAGES									
2015									
December	104.9	104.2	104.3	103.7	103.2	103.0	104.6	103.6	104.3
2016									
March	104.7	103.8	104.4	103.1	103.4	102.9	104.4	103.7	104.1
June	104.4	103.9	103.9	102.9	102.5	102.8	103.9	103.4	103.8
September	106.9	105.7	105.6	104.8	102.6	104.2	105.9	105.5	105.6
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
ALCOHOL AND TOBACCO									
2015									
December	121.4	123.2	125.9	124.6	125.1	124.8	121.3	121.7	123.4
2016									
March	122.7	124.4	126.4	126.0	125.9	125.7	122.0	122.8	124.5
June	124.2	124.7	127.8	127.4	127.7	126.8	123.7	124.4	125.7
September	125.2	126.5	129.4	129.1	129.3	129.6	125.1	125.3	127.1
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
CLOTHING AND FOOTWEAR									
2015									
December	94.6	97.8	104.0	98.0	106.4	102.0	98.5	95.4	98.7
2016									
March	91.6	95.5	103.7	95.0	102.8	96.3	94.4	91.7	96.1
June	93.7	97.8	104.4	96.4	104.9	97.4	96.5	95.0	98.0
September	95.1	97.2	105.4	96.8	104.2	94.9	94.7	92.3	98.3
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
HOUSING									
2015									
December	115.4	113.3	114.4	110.7	113.4	104.9	112.9	106.2	113.7
2016									
March	115.9	113.9	114.6	111.7	111.7	105.7	111.5	106.9	114.0
June	116.7	114.5	115.1	111.2	111.5	106.0	110.8	107.0	114.4
September	118.4	115.6	116.2	112.3	111.5	107.4	110.1	108.2	115.6
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

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

Quarters	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
FURNISHINGS, HOUSEHOLD EQUIPMENT AND SERVICES									
2015									
December	104.5	103.8	105.7	102.6	105.0	102.4	107.3	108.3	104.5
2016									
March	104.4	103.0	105.7	101.8	104.3	101.3	106.9	108.2	104.1
June	104.8	103.7	106.9	103.3	104.7	101.7	108.0	108.7	104.7
September	106.3	104.6	107.7	105.0	105.7	102.5	108.5	110.7	105.9
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
HEALTH									
2015									
December	120.3	120.3	119.7	120.9	118.3	121.7	117.8	118.4	120.0
2016									
March	122.7	123.0	122.6	122.1	120.4	123.7	118.3	121.5	122.3
June	125.8	126.1	125.9	126.5	122.9	128.0	122.1	124.2	125.5
September	125.3	125.7	125.3	126.4	122.7	127.9	121.6	124.6	125.2
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
TRANSPORT									
2015									
December	99.2	100.6	97.9	100.8	99.8	101.3	103.3	100.4	99.7
2016									
March	95.6	98.4	96.0	98.0	97.6	99.9	101.4	99.7	97.2
June	96.9	100.2	96.9	98.7	97.9	98.6	101.0	98.5	98.2
September	96.7	98.6	95.8	98.6	98.3	99.5	101.6	100.1	97.7
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
COMMUNICATION									
2015									
December	94.2	94.3	94.4	94.3	93.9	94.2	94.1	94.2	94.2
2016									
March	92.8	92.9	92.9	92.8	92.4	92.7	92.6	92.7	92.8
June	91.4	91.5	91.6	91.4	91.0	91.5	91.3	91.5	91.4
September	89.3	89.4	89.4	89.2	88.8	89.6	89.4	89.6	89.3
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

(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									
2015									
December	104.8	105.5	104.4	103.0	104.6	103.4	105.4	105.3	104.8
2016									
March	104.0	104.8	103.1	101.5	103.4	102.9	102.0	104.5	103.8
June	103.2	103.3	102.9	101.7	104.0	100.4	103.8	104.0	103.1
September	104.1	103.4	103.9	102.5	104.0	100.7	105.9	104.7	103.7
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
EDUCATION									
2015									
December	123.9	118.7	120.1	120.0	121.8	118.0	118.9	115.6	120.8
2016									
March	127.5	123.1	123.9	123.3	125.3	121.1	122.9	119.3	124.6
June	127.5	123.1	124.0	123.3	125.3	121.1	122.9	119.3	124.6
September	127.7	123.5	124.0	123.3	125.7	121.1	122.9	119.6	124.8
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
INSURANCE AND FINANCIAL SERVICES									
2015									
December	111.6	108.7	102.4	106.2	109.2	111.1	109.8	99.5	108.3
2016									
March	112.3	109.3	103.4	106.6	110.1	112.5	110.8	100.1	109.0
June	113.1	109.5	103.7	107.0	110.5	113.0	111.0	100.4	109.5
September	113.9	110.1	104.0	109.1	113.9	112.5	109.1	99.8	110.5
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

(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	0.21	0.22	0.19	0.13	0.17	0.10	0.15	0.20	0.20
Bread and cereal products	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.02
Bread	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01
Cakes and biscuits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Breakfast cereals	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Other cereal products	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01
Meat and seafoods	0.01	0.01	0.00	0.01	0.04	0.00	0.00	0.01	0.01
Beef and veal	0.01	0.00	-0.01	0.01	0.01	-0.01	0.00	0.00	0.00
Pork	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Lamb and goat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Poultry	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Other meats	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish and other seafood	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Dairy and related products	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.01	0.00
Milk	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Cheese	0.00	0.00	0.01	0.00	0.01	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	0.14	0.16	0.16	0.09	0.10	0.07	0.12	0.14	0.14
Fruit	0.13	0.13	0.10	0.09	0.06	0.10	0.14	0.12	0.11
Vegetables	0.02	0.03	0.06	0.00	0.04	-0.01	-0.03	0.03	0.02
Food products n.e.c.	0.01	0.01	0.01	0.02	0.00	0.00	-0.01	0.00	0.01
Eggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jams, honey and spreads	0.00	0.01	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	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Snacks and confectionery	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.02	-0.02	0.00
Other food products n.e.c.	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Non-alcoholic beverages	0.02	-0.01	-0.02	-0.01	-0.01	-0.03	-0.03	0.00	0.00
Coffee, tea and cocoa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Waters, soft drinks and juices	0.02	-0.01	-0.02	-0.01	-0.01	-0.02	-0.03	0.00	0.00
Meals out and take away foods	0.02	0.03	0.02	0.01	0.02	0.03	0.05	0.05	0.02
Restaurant meals	0.01	0.01	0.00	0.00	0.01	0.02	0.02	0.04	0.01
Take away and fast foods	0.01	0.02	0.02	0.01	0.01	0.02	0.03	0.01	0.01
Alcohol and tobacco	0.22	0.25	0.29	0.35	0.23	0.39	0.37	0.18	0.26
Alcoholic beverages	0.01	-0.01	-0.01	0.03	0.04	-0.04	0.03	0.02	0.01
Spirits	0.00	-0.01	-0.01	0.01	0.01	0.00	0.01	0.00	0.00
Wine	-0.02	-0.01	-0.03	0.01	0.00	-0.03	-0.02	-0.01	-0.01
Beer	0.02	0.01	0.01	0.01	0.04	0.00	0.04	0.03	0.02
Tobacco	0.21	0.27	0.30	0.32	0.20	0.43	0.34	0.16	0.25
Tobacco	0.21	0.27	0.30	0.32	0.20	0.43	0.34	0.16	0.25
Clothing and footwear	-0.04	-0.01	0.01	0.01	0.02	0.02	0.04	-0.03	-0.01
Garments	-0.03	-0.01	-0.01	0.01	0.02	0.03	0.03	-0.01	-0.01
Garments for men	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01
Garments for women	-0.04	-0.03	-0.01	0.00	0.01	0.02	0.01	-0.03	-0.02
Garments for infants and children	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00
Footwear	-0.01	0.00	0.01	0.00	0.00	-0.01	0.01	-0.01	-0.01
Footwear for men	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00
Footwear for women	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.01	-0.01	-0.01
Footwear for infants and children	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
Accessories and clothing services	0.00	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
Accessories	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	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	0.14	0.13	0.07	0.10	-0.10	0.10	-0.06	0.20	0.09
Rents	0.06	0.04	-0.02	0.00	-0.08	0.03	-0.06	0.04	0.02
Rents	0.06	0.04	-0.02	0.00	-0.08	0.03	-0.06	0.04	0.02
New dwelling purchase by owner-occupiers	0.04	0.07	0.08	0.08	-0.03	0.05	0.02	0.12	0.05
New dwelling purchase by owner-occupiers	0.04	0.07	0.08	0.08	-0.03	0.05	0.02	0.12	0.05
Other housing	0.02	0.01	0.01	0.02	0.01	0.02	-0.01	0.03	0.01
Maintenance and repair of the dwelling	0.03	0.01	0.01	0.02	0.01	0.03	-0.01	0.04	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water and sewerage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.03	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.02
Gas and other household fuels	-0.01	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
Furnishings, household equipment and services	-0.09	-0.10	-0.05	-0.05	-0.10	-0.10	-0.02	-0.12	-0.08
Furniture and furnishings	-0.03	-0.01	0.00	-0.01	0.01	-0.05	0.00	-0.03	-0.01
Furniture	-0.03	-0.01	0.00	-0.01	0.00	-0.04	0.00	-0.03	-0.01
Carpets and other floor coverings	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Household textiles	-0.02	-0.03	-0.03	-0.03	-0.05	-0.04	-0.01	-0.01	-0.03
Household textiles	-0.02	-0.03	-0.03	-0.03	-0.05	-0.04	-0.01	-0.01	-0.03
Household appliances, utensils and tools	-0.05	-0.05	0.00	-0.03	-0.05	0.01	-0.03	-0.06	-0.04
Major household appliances	-0.02	-0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01
Small electric household appliances	-0.01	-0.02	0.01	0.00	-0.01	0.03	0.00	-0.03	-0.01
Glassware, tableware and household utensils	-0.01	-0.01	0.00	-0.03	-0.02	-0.01	-0.01	-0.03	-0.01
Tools and equipment for house and garden	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
Non-durable household products	-0.03	-0.02	-0.03	-0.02	-0.03	-0.04	-0.04	-0.02	-0.03
Cleaning and maintenance products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Personal care products	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Other non-durable household products	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
Domestic and household services	0.03	0.01	0.01	0.04	0.02	0.01	0.06	0.01	0.03
Child care	0.02	0.01	0.01	0.03	0.01	-0.01	0.05	0.00	0.02
Hairdressing and personal grooming services	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01
Other household services	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.01	0.00
Health	-0.03	-0.03	-0.03	-0.03	-0.04	-0.03	-0.04	-0.04	-0.03
Medical products, appliances and equipment	-0.02	-0.02	-0.03	-0.04	-0.02	-0.03	-0.03	-0.03	-0.02
Pharmaceutical products	-0.02	-0.03	-0.03	-0.03	-0.02	-0.03	-0.02	-0.03	-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	0.00	-0.01	0.00	-0.02	0.00	-0.01	-0.01	0.00
Medical and hospital services	0.00	-0.01	-0.01	0.00	-0.02	-0.01	0.00	-0.01	-0.01
Dental services	0.00	0.01	0.01	0.01	0.00	0.01	-0.01	0.00	0.00
Transport	0.28	0.27	0.35	0.28	0.24	0.11	0.24	0.28	0.28
Private motoring	0.27	0.27	0.35	0.28	0.25	0.12	0.24	0.28	0.28
Motor vehicles	-0.06	-0.03	0.01	0.00	-0.04	0.01	-0.01	0.00	-0.03
Spare parts and accessories for motor vehicles	0.00	-0.01	0.00	0.00	0.01	-0.02	-0.02	0.00	0.00
Automotive fuel	0.33	0.33	0.37	0.29	0.28	0.12	0.26	0.29	0.32
Maintenance and repair of motor vehicles	0.00	-0.02	-0.02	-0.03	0.01	0.01	0.00	-0.01	0.00
Other services in respect of motor vehicles	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01
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	-0.03	-0.04	-0.04	-0.04	-0.03	-0.04	-0.04	-0.03	-0.04
Communication	-0.03	-0.04	-0.04	-0.04	-0.03	-0.04	-0.04	-0.03	-0.04
Postal services	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Telecommunication equipment and services	-0.04	-0.04	-0.04	-0.04	-0.03	-0.04	-0.05	-0.04	-0.04
Recreation and culture	0.05	0.11	0.10	0.03	0.14	0.57	-0.40	0.09	0.08
Audio, visual and computing equipment and services	-0.02	-0.04	-0.02	-0.02	-0.05	-0.02	-0.06	-0.02	-0.04
Audio, visual and computing equipment	-0.03	-0.05	-0.05	-0.04	-0.06	-0.04	-0.07	-0.04	-0.05
Audio, visual and computing media and services	0.01	0.02	0.03	0.01	0.02	0.03	0.01	0.01	0.01
Newspapers, books and stationery	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.02	0.00
Books	-0.01	0.00	-0.01	-0.02	-0.01	-0.02	-0.01	-0.02	-0.01
Newspapers, magazines and stationery	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Holiday travel and accommodation	0.08	0.16	0.11	0.08	0.19	0.61	-0.43	0.15	0.12
Domestic holiday travel and accommodation	0.15	0.20	0.17	0.15	0.25	0.66	-0.38	0.22	0.19
International holiday travel and accommodation	-0.07	-0.05	-0.07	-0.08	-0.06	-0.05	-0.05	-0.06	-0.06
Other recreation, sport and culture	0.00	0.00	0.03	-0.01	0.00	-0.02	0.10	-0.01	0.00
Equipment for sports, camping and open-air recreation	0.00	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	0.00	0.00
Games, toys and hobbies	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00
Pets and related products	0.00	0.00	-0.01	-0.01	0.00	-0.02	0.00	0.00	-0.01
Veterinary and other services for pets	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Sports participation	0.01	0.01	0.02	0.01	-0.01	0.01	0.08	0.00	0.01
Other recreational, sporting and cultural services	0.00	0.00	0.00	-0.01	0.01	0.00	0.01	0.00	0.00
Education	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Education	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Preschool and primary education	0.01	0.01	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	0.06	-0.02	0.00	0.03	-0.05	-0.03	0.03	0.00	0.01
Insurance	0.05	0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.02
Insurance	0.05	0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.02
Financial services	0.02	-0.04	0.01	0.00	-0.07	-0.03	0.02	0.00	-0.01
Deposit and loan facilities (direct charges)	-0.02	-0.02	-0.02	-0.01	-0.03	-0.03	-0.01	-0.01	-0.02
Other financial services	0.03	-0.02	0.03	0.01	-0.05	-0.01	0.02	0.01	0.01
All groups CPI	0.8	0.8	0.9	0.8	0.4	1.1	0.3	0.7	0.7

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 2016	Sep Qtr 2017	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017	Dec Qtr 2016 to Dec Qtr 2017	Sep Qtr 2017(b)	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017
Food and non-alcoholic beverages	106.2	104.9	106.0	1.0	-0.2	17.92	18.12	0.20
Bread and cereal products	98.4	96.8	97.6	0.8	-0.8	1.65	1.67	0.02
Bread	95.6	95.0	96.1	1.2	0.5	0.60	0.61	0.01
Cakes and biscuits	103.0	101.4	101.5	0.1	-1.5	0.73	0.73	0.00
Breakfast cereals	94.7	90.8	92.4	1.8	-2.4	0.14	0.15	0.01
Other cereal products	93.1	90.7	92.3	1.8	-0.9	0.18	0.19	0.01
Meat and seafoods	110.0	109.9	110.5	0.5	0.5	2.44	2.45	0.01
Beef and veal	125.4	124.7	125.0	0.2	-0.3	0.53	0.53	0.00
Pork	111.9	108.8	109.3	0.5	-2.3	0.34	0.34	0.00
Lamb and goat	101.4	104.0	104.4	0.4	3.0	0.24	0.25	0.01
Poultry	100.5	100.3	101.6	1.3	1.1	0.48	0.48	0.00
Other meats	111.8	113.4	113.8	0.4	1.8	0.41	0.41	0.00
Fish and other seafood	108.0	108.3	108.5	0.2	0.5	0.44	0.44	0.00
Dairy and related products	97.5	96.7	97.2	0.5	-0.3	1.11	1.11	0.00
Milk	96.4	96.4	97.0	0.6	0.6	0.40	0.41	0.01
Cheese	100.6	99.0	99.9	0.9	-0.7	0.33	0.33	0.00
Ice cream and other dairy products	96.0	94.9	95.0	0.1	-1.0	0.37	0.37	0.00
Fruit and vegetables	110.1	99.8	104.9	5.1	-4.7	2.62	2.76	0.14
Fruit	100.2	90.1	98.5	9.3	-1.7	1.20	1.31	0.11
Vegetables	119.6	109.1	111.0	1.7	-7.2	1.43	1.45	0.02
Food products n.e.c.	102.2	100.8	101.1	0.3	-1.1	2.46	2.47	0.01
Eggs	108.4	104.1	103.1	-1.0	-4.9	0.14	0.14	0.00
Jams, honey and spreads	105.8	101.7	102.6	0.9	-3.0	0.15	0.15	0.00
Food additives and condiments	96.2	96.9	97.1	0.2	0.9	0.33	0.33	0.00
Oils and fats	101.6	108.5	113.2	4.3	11.4	0.19	0.20	0.01
Snacks and confectionery	103.5	102.4	101.5	-0.9	-1.9	1.04	1.04	0.00
Other food products n.e.c.	101.0	96.3	97.3	1.0	-3.7	0.62	0.62	0.00
Non-alcoholic beverages	99.6	101.4	101.4	0.0	1.8	1.10	1.10	0.00
Coffee, tea and cocoa	102.1	98.9	99.6	0.7	-2.4	0.26	0.26	0.00
Waters, soft drinks and juices	98.8	102.2	102.0	-0.2	3.2	0.84	0.84	0.00
Meals out and take away foods	110.1	111.7	112.1	0.4	1.8	6.55	6.57	0.02
Restaurant meals	109.5	111.1	111.4	0.3	1.7	3.70	3.71	0.01
Take away and fast foods	110.7	112.3	112.8	0.4	1.9	2.85	2.86	0.01
Alcohol and tobacco	130.7	136.0	140.3	3.2	7.3	7.89	8.15	0.26
Alcoholic beverages	108.5	111.0	111.1	0.1	2.4	4.99	5.00	0.01
Spirits	109.5	112.0	111.9	-0.1	2.2	0.94	0.94	0.00
Wine	100.1	101.6	101.0	-0.6	0.9	1.98	1.97	-0.01
Beer	114.3	117.5	118.5	0.9	3.7	2.07	2.09	0.02
Tobacco	175.0	185.8	201.6	8.5	15.2	2.90	3.15	0.25
Tobacco	175.0	185.8	201.6	8.5	15.2	2.90	3.15	0.25
Clothing and footwear	97.8	95.2	94.9	-0.3	-3.0	3.95	3.94	-0.01
Garments	96.6	91.7	91.3	-0.4	-5.5	2.47	2.46	-0.01
Garments for men	104.3	96.2	97.6	1.5	-6.4	0.67	0.68	0.01
Garments for women	91.7	88.1	86.8	-1.5	-5.3	1.41	1.39	-0.02
Garments for infants and children	101.1	98.2	98.6	0.4	-2.5	0.39	0.39	0.00
Footwear	96.2	94.5	94.0	-0.5	-2.3	0.60	0.59	-0.01
Footwear for men	99.7	95.5	98.0	2.6	-1.7	0.16	0.16	0.00
Footwear for women	94.4	93.5	91.8	-1.8	-2.8	0.36	0.35	-0.01
Footwear for infants and children	97.4	96.4	95.1	-1.3	-2.4	0.08	0.08	0.00
Accessories and clothing services	102.7	105.6	105.8	0.2	3.0	0.88	0.89	0.01
Accessories	100.9	103.9	104.1	0.2	3.2	0.75	0.75	0.00
Cleaning, repair and hire of clothing and footwear	113.4	115.8	116.6	0.7	2.8	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 2017 due to reweighting.

continued

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 2016	Sep Qtr 2017	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017	Dec Qtr 2016 to Dec Qtr 2017	Sep Qtr 2017(b)	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017
Housing	115.9	119.4	119.8	0.3	3.4	25.25	25.34	0.09
Rents	110.8	111.3	111.6	0.3	0.7	8.04	8.06	0.02
Rents	110.8	111.3	111.6	0.3	0.7	8.04	8.06	0.02
New dwelling purchase by owner-occupiers	115.3	118.3	119.0	0.6	3.2	8.67	8.72	0.05
New dwelling purchase by owner-occupiers	115.3	118.3	119.0	0.6	3.2	8.67	8.72	0.05
Other housing	120.1	122.1	122.6	0.4	2.1	4.03	4.04	0.01
Maintenance and repair of the dwelling	112.4	113.4	114.2	0.7	1.6	2.39	2.41	0.02
Property rates and charges	132.1	135.5	135.5	0.0	2.6	1.63	1.63	0.00
Utilities	122.3	133.5	133.6	0.1	9.2	4.52	4.52	0.00
Water and sewerage	114.0	117.6	117.6	0.0	3.2	1.14	1.14	0.00
Electricity	123.7	137.9	139.1	0.9	12.4	2.42	2.44	0.02
Gas and other household fuels	129.0	141.4	139.0	-1.7	7.8	0.96	0.95	-0.01
Furnishings, household equipment and services	105.1	105.1	104.3	-0.8	-0.8	10.45	10.37	-0.08
Furniture and furnishings	102.8	101.0	100.2	-0.8	-2.5	1.89	1.88	-0.01
Furniture	102.1	99.8	98.8	-1.0	-3.2	1.55	1.54	-0.01
Carpets and other floor coverings	107.0	107.8	107.9	0.1	0.8	0.34	0.34	0.00
Household textiles	90.9	91.4	86.2	-5.7	-5.2	0.55	0.52	-0.03
Household textiles	90.9	91.4	86.2	-5.7	-5.2	0.55	0.52	-0.03
Household appliances, utensils and tools	96.9	96.4	94.3	-2.2	-2.7	1.73	1.69	-0.04
Major household appliances	96.3	94.9	92.1	-3.0	-4.4	0.46	0.45	-0.01
Small electric household appliances	93.9	91.3	88.4	-3.2	-5.9	0.37	0.36	-0.01
Glassware, tableware and household utensils	93.5	93.8	91.7	-2.2	-1.9	0.48	0.47	-0.01
Tools and equipment for house and garden	106.5	108.0	107.4	-0.6	0.8	0.43	0.42	-0.01
Non-durable household products	98.1	97.4	96.6	-0.8	-1.5	2.95	2.92	-0.03
Cleaning and maintenance products	95.8	95.0	94.5	-0.5	-1.4	0.29	0.29	0.00
Personal care products	92.0	91.4	90.0	-1.5	-2.2	1.19	1.17	-0.02
Other non-durable household products	103.3	102.5	102.0	-0.5	-1.3	1.47	1.46	-0.01
Domestic and household services	123.7	126.5	127.4	0.7	3.0	3.33	3.36	0.03
Child care	146.0	152.3	153.9	1.1	5.4	1.50	1.52	0.02
Hairdressing and personal grooming services	111.6	112.6	113.2	0.5	1.4	1.03	1.04	0.01
Other household services	116.2	117.7	118.1	0.3	1.6	0.80	0.80	0.00
Health	124.4	130.1	129.4	-0.5	4.0	6.05	6.02	-0.03
Medical products, appliances and equipment	100.4	103.0	101.1	-1.8	0.7	1.31	1.29	-0.02
Pharmaceutical products	100.8	103.7	101.6	-2.0	0.8	1.15	1.13	-0.02
Therapeutic appliances and equipment	97.4	97.5	97.3	-0.2	-0.1	0.16	0.16	0.00
Medical, dental and hospital services	132.0	138.7	138.5	-0.1	4.9	4.73	4.73	0.00
Medical and hospital services	135.5	143.1	142.8	-0.2	5.4	4.16	4.15	-0.01
Dental services	110.9	112.0	112.3	0.3	1.3	0.58	0.58	0.00
Transport	99.4	100.3	102.7	2.4	3.3	11.49	11.77	0.28
Private motoring	98.8	99.7	102.3	2.6	3.5	10.67	10.95	0.28
Motor vehicles	93.8	93.3	92.3	-1.1	-1.6	3.10	3.07	-0.03
Spare parts and accessories for motor vehicles	106.7	109.5	108.8	-0.6	2.0	0.81	0.81	0.00
Automotive fuel	87.0	87.6	96.7	10.4	11.1	3.10	3.42	0.32
Maintenance and repair of motor vehicles	108.0	108.9	108.5	-0.4	0.5	2.15	2.15	0.00
Other services in respect of motor vehicles	123.0	126.8	127.1	0.2	3.3	1.50	1.51	0.01
Urban transport fares	107.4	108.0	108.0	0.0	0.6	0.82	0.82	0.00
Urban transport fares	107.4	108.0	108.0	0.0	0.6	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 2017 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 2016	Sep Qtr 2017	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017	Dec Qtr 2016 to Dec Qtr 2017	Sep Qtr 2017(b)	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017
Communication	88.6	86.7	85.6	-1.3	-3.4	2.98	2.94	-0.04
Communication	88.6	86.7	85.6	-1.3	-3.4	2.98	2.94	-0.04
Postal services	112.7	114.6	116.5	1.7	3.4	0.09	0.09	0.00
Telecommunication equipment and services	87.6	85.5	84.3	-1.4	-3.8	2.89	2.85	-0.04
Recreation and culture	104.3	104.3	104.9	0.6	0.6	14.16	14.24	0.08
Audio, visual and computing equipment and services	76.7	75.9	74.7	-1.6	-2.6	2.14	2.10	-0.04
Audio, visual and computing equipment	62.6	60.0	57.9	-3.5	-7.5	1.36	1.31	-0.05
Audio, visual and computing media and services	97.0	98.8	100.7	1.9	3.8	0.78	0.79	0.01
Newspapers, books and stationery	110.2	112.3	111.8	-0.4	1.5	0.81	0.81	0.00
Books	98.2	103.0	99.5	-3.4	1.3	0.27	0.26	-0.01
Newspapers, magazines and stationery	117.2	117.6	118.9	1.1	1.5	0.54	0.54	0.00
Holiday travel and accommodation	111.4	110.0	112.1	1.9	0.6	6.49	6.61	0.12
Domestic holiday travel and accommodation	112.3	108.5	115.3	6.3	2.7	2.98	3.17	0.19
International holiday travel and accommodation	110.4	111.6	109.7	-1.7	-0.6	3.51	3.45	-0.06
Other recreation, sport and culture	110.1	111.7	111.7	0.0	1.5	4.72	4.72	0.00
Equipment for sports, camping and open-air recreation	103.6	104.0	103.1	-0.9	-0.5	0.65	0.65	0.00
Games, toys and hobbies	88.7	87.2	87.2	0.0	-1.7	0.90	0.90	0.00
Pets and related products	100.9	102.8	102.0	-0.8	1.1	0.50	0.49	-0.01
Veterinary and other services for pets	118.3	121.5	122.0	0.4	3.1	0.41	0.41	0.00
Sports participation	117.9	121.4	122.2	0.7	3.6	1.09	1.10	0.01
Other recreational, sporting and cultural services	121.5	123.3	123.6	0.2	1.7	1.17	1.17	0.00
Education	124.8	128.7	128.8	0.1	3.2	4.75	4.76	0.01
Education	124.8	128.7	128.8	0.1	3.2	4.75	4.76	0.01
Preschool and primary education	126.1	129.0	129.4	0.3	2.6	1.03	1.03	0.00
Secondary education	127.0	132.2	132.2	0.0	4.1	1.89	1.89	0.00
Tertiary education	122.4	125.5	125.5	0.0	2.5	1.83	1.83	0.00
Insurance and financial services	111.2	112.5	112.7	0.2	1.3	6.46	6.47	0.01
Insurance	122.9	124.9	127.2	1.8	3.5	1.32	1.34	0.02
Insurance	122.9	124.9	127.2	1.8	3.5	1.32	1.34	0.02
Financial services	106.5	107.6	107.3	-0.3	0.8	5.14	5.13	-0.01
Deposit and loan facilities (direct charges)	101.2	102.8	99.7	-3.0	-1.5	0.67	0.65	-0.02
Other financial services	107.9	108.9	109.0	0.1	1.0	4.47	4.48	0.01
All groups CPI	110.0	111.4	112.1	0.6	1.9	111.4	112.1	0.7

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

(b) Differs from previously published September quarter 2017 due to reweighting.

	INDEX NUMBERS(b)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Dec Qtr 2016	Sep Qtr 2017	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017	Dec Qtr 2016 to Dec Qtr 2017	Sep Qtr 2017(c)	Dec Qtr 2017	Sep Qtr 2017 to Dec Qtr 2017
All groups CPI	110.0	111.4	112.1	0.6	1.9	111.4	112.1	0.7
All groups CPI, seasonally adjusted	109.8	111.3	112.0	0.6	2.0	..	..	..
Underlying trend series								
Trimmed mean(d)	..	..	..	0.4	1.8	..	..	..
Weighted median(d)	..	..	..	0.4	2.0	..	..	..
International trade exposure series								
Tradables	102.4	101.6	102.1	0.5	-0.3	38.83	39.02	0.19
Non-tradables	114.7	117.4	118.3	0.8	3.1	72.54	73.10	0.56
Goods and services series								
Goods component	106.7	107.9	109.0	1.0	2.2	59.41	59.99	0.58
Services component	114.5	116.1	116.5	0.3	1.7	51.96	52.13	0.17
All groups CPI including								
Deposit and loan facilities (indirect charges)	110.5	112.2	113.1	0.8	2.4	..	..	..
Market goods and services excluding 'volatile items'								
Goods	106.8	107.8	108.2	0.4	1.3	48.01	48.16	0.15
Services	109.4	109.9	110.4	0.5	0.9	36.76	36.91	0.15
Total	107.9	108.7	109.1	0.4	1.1	84.77	85.07	0.30
All groups CPI excluding								
Food and non-alcoholic beverages	110.7	112.6	113.3	0.6	2.3	93.45	94.00	0.55
Alcohol and tobacco	108.4	109.5	110.0	0.5	1.5	103.47	103.98	0.51
Clothing and footwear	110.5	112.0	112.8	0.7	2.1	107.42	108.18	0.76
Housing	108.2	109.0	109.9	0.8	1.6	86.12	86.78	0.66
Furnishings, household equipment and services	110.5	112.0	112.9	0.8	2.2	100.92	101.76	0.84
Health	109.2	110.3	111.1	0.7	1.7	105.32	106.11	0.79
Transport	111.4	112.8	113.4	0.5	1.8	99.88	100.35	0.47
Communication	110.6	112.1	113.0	0.8	2.2	108.39	109.18	0.79
Recreation and culture	110.8	112.4	113.1	0.6	2.1	97.21	97.88	0.67
Education	109.5	110.8	111.6	0.7	1.9	106.61	107.37	0.76
Insurance and financial services	109.9	111.3	112.1	0.7	2.0	104.91	105.65	0.74
Housing, Insurance and financial services	108.0	108.8	109.7	0.8	1.6	79.65	80.31	0.66
Medical and hospital services	109.1	110.2	111.0	0.7	1.7	107.21	107.98	0.77
Food and energy	111.2	112.7	113.0	0.3	1.6	90.66	90.90	0.24
'Volatile items'	110.8	112.6	112.9	0.3	1.9	105.65	105.94	0.29

.. not applicable

(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 2017 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 and historical weighting patterns for the CPI for the weighted average of the eight capital

EXPLANATORY NOTES *continued*

WEIGHTING PATTERN *continued*

cities are published in Consumer Price Index: Historical Weighting Patterns, 1948 - 2017 (cat. no. 6431.0). The 17th series weighting pattern for the weighted average of eight capital cities and for each of the eight capital cities, as well as each city's percentage contribution to the weighted average, are also published in the Consumer Price Index: 17th Series Weighting Pattern (cat. no. 6473.0). 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 2017 = 112.1 (see Table 1)

less December Quarter 2016 = 110.0 (see Table 1)

Change in index points = 2.1

Percentage change = $2.1/110.0 \times 100 = 1.9\%$ (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 112.1 for the December Quarter 2017. 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 means' 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 16th 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 December quarter 2017 then the most significant revisions will be to September quarter 2017 and December quarter 2016). 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 17th Series Australian Consumer Price Index, 2017* (cat. no. 6470.0.55.001)

EXPLANATORY NOTES *continued*

RELATED PUBLICATIONS

continued

- *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)
- *A Guide to the Consumer Price Index, 16th Series* (cat. no. 6440.0)
- *Consumer Price Index: Concepts, Sources and Methods* (cat. no. 6461.0)
- *Information Paper: Introduction of the 16th Series Australian Consumer Price Index, 2011* (cat. no. 6470.0)
- *Information Paper: Outcome of the 16th Series Australian Consumer Price Index Review, Australia* (cat. no. 6469.0)
- *Consumer Price Index Commodity Classification, Australia, 16th Series, 2011* (cat. no. 6401.0.55.004)
- *Consumer Price Index: 16th Series Weighting Pattern* (cat. no. 6471.0)
- *Consumer Price Index: Historical Weighting Patterns (1948–2011)* (cat. no. 6431.0)
- *Analytical Living Cost Indexes and Pensioner and Beneficiary Living Cost Index: 16th Series Weighting Patterns* (cat. no. 6472.0)
- *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)
- *Information Paper: Experimental Price Indexes for Financial Services* (cat. no. 6413.0)
- *Information Paper: The Introduction of Hedonic Price Indexes for Personal Computers* (cat. no. 6458.0)
- *Analytical Living Cost Indexes for Selected Australian Household Types* (cat. no. 6463.0)
- *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 2017. The ASR reviews the seasonal adjustment of the CPI series in more detail than is possible in the quarterly processing cycle.

10 Following the 2017 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 2017 ASR, the following series have ceased being seasonally adjusted, with no clear seasonal pattern:

- Personal care products, from September quarter 1980
- Therapeutic appliances and equipment, from December quarter 1986

13 The following series has had an adjustment introduced due to changes in seasonal pattern:

- Fruit, from December quarter 2017.

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

15 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 - 17TH 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
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
Maintenance and repair of the dwelling		y		y	y		y
Property rates and charges		y		y	y		
Water and sewerage	y			y	y		
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

(a) y = yes

(b) As at December quarter 2017

(c) volatile items

APPENDIX ANALYTICAL PRICE INDEX SERIES *continued*

TABLE 1 - 17TH SERIES CPI EXPENDITURE CLASSES CLASSIFIED BY ANALYTICAL SERIES (a)(b)
continued

CPI expenditure classes	Goods	Services	INTERNATIONAL TRADE EXPOSURE		SEASONAL		Market goods and services excluding 'volatiles'
			Tradables	Non-tradables	Including current period	Not including current period	
Other non-durable household products	y		y		y		y
Child care		y			y		
Hairdressing and personal grooming services		y					y
Other household services		y			y		y
Pharmaceutical products	y				y		
Therapeutic appliances and equipment		y	y				
Medical and hospital services		y			y		
Dental services		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
Other services in respect of motor vehicles		y			y		
Urban transport fares		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
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
Veterinary and other services for pets		y			y		y
Sports participation		y			y		y
Other recreational, sporting and cultural services		y			y		y
Preschool and primary education		y			y		
Secondary education		y			y		
Tertiary education		y			y		
Insurance		y			y		y
Deposit and loan facilities (direct charges)		y			y		y
Other financial services		y			y		y

(a) y = yes

(c) volatile items

(b) As at December quarter 2017

FOR MORE INFORMATION . . .

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