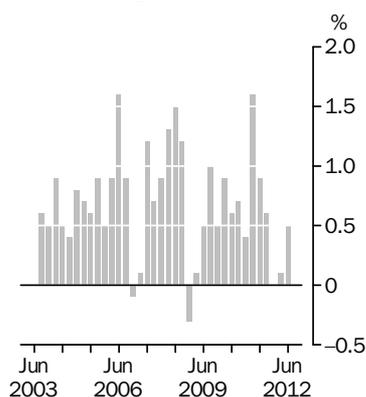


**CONSUMER PRICE INDEX**

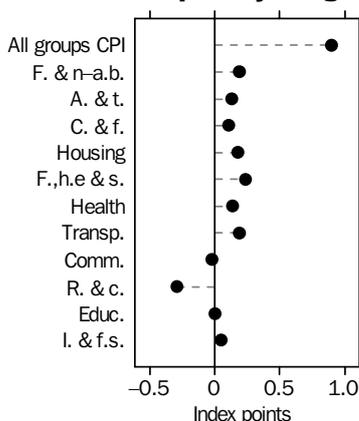
AUSTRALIA

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**All Groups CPI**  
Quarterly change



**Contribution to quarterly change**



**INQUIRIES**

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

**KEY FIGURES**

**WEIGHTED AVERAGE OF EIGHT CAPITAL CITIES**

	<i>Mar Qtr 2012 to Jun Qtr 2012</i> % change	<i>Jun Qtr 2011 to Jun Qtr 2012</i> % change
<b>All groups CPI</b>	<b>0.5</b>	<b>1.2</b>
Food and non-alcoholic beverages	0.6	-3.2
Alcohol and tobacco	1.0	3.8
Clothing and footwear	1.5	0.6
Housing	0.4	3.4
Furnishings, household equipment and services	1.5	0.7
Health	1.5	3.6
Transport	0.9	2.1
Communication	-0.3	0.9
Recreation and culture	-1.3	-1.6
Education	0.0	6.1
Insurance and financial services	0.5	2.9
<b>CPI analytical series</b>		
All groups CPI, seasonally adjusted	0.6	1.2
Trimmed mean	0.5	2.0
Weighted median	0.7	1.9

**KEY POINTS**

**THE ALL GROUPS CPI**

- rose 0.5% in the June quarter 2012, compared with a rise of 0.1% in the March quarter 2012.
- rose 1.2% through the year to the June quarter 2012, compared with a rise of 1.6% through the year to the March quarter 2012.

**OVERVIEW OF CPI MOVEMENTS**

- The most significant price rises this quarter were for medical and hospital services (+2.8%), rents (+1.1%), vegetables (+5.2%) and furniture (+4.5%).
- The most significant price falls this quarter were for domestic holiday travel and accommodation (-4.0%), audio, visual and computing equipment (-3.8%) and cakes and biscuits (-2.8%).

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE (Quarter)</i>	<i>RELEASE DATE</i>
Sept 2012	24 October 2012
December 2012	23 January 2013
March 2013	24 April 2013
June 2013	24 July 2013



## CHANGES IN THIS ISSUE

From the June quarter 2012, the measurement of price change for prescribed medicines covered by the Pharmaceutical Benefits Scheme (PBS) has changed. The calculation of the PBS safety net proportions has been improved to correct an identified anomaly. This has led to some revisions in the seasonally adjusted series and may lead to some changes in the regular price change pattern previously observed for this expenditure class. The change has been made to ensure the best measure of price change of pharmaceutical products over time.

## CHANGES IN FUTURE RELEASES

From the September quarter 2012, all index numbers will be calculated on a new index reference period of 2011–12. This will result in the index numbers for each index series being reset to 100.0 for the financial year 2011–12. Period-to-period percentage changes may differ slightly to those previously published due to rounding and the re-referencing. These differences do not constitute a revision. Further information on re-referencing can be found in Chapter 12 of *Information Paper: Consumer Price Index Concepts, Sources and Methods, 2011* (cat. no. 6461.0).

## ROUNDING

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



## ABBREVIATIONS

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

Brian Pink  
Australian Statistician

## INTRODUCTION OF CARBON PRICING

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### INTRODUCTION OF CARBON PRICING

On 1 July 2012, the Australian Government introduced a \$23 per tonne carbon price on greenhouse emissions, to be paid directly by Australia's largest greenhouse gas emitting companies, together with compensation and incentive packages. Carbon pricing changes the relative prices of high and low emission-intensive goods. The extent that any carbon costs translate into general increases in prices depends on a range of factors. Carbon pricing will be occurring at the same time as normal variations in prices are occurring driven by productivity, the terms of trade or changing preferences. The extent to which businesses pass on the carbon price will depend on their consideration of issues such as operating costs, margins, and other economic factors (such as degree of competition).

The Australian Bureau of Statistics (ABS) will be releasing an *Information Paper: Recording emissions reduction schemes in ABS statistics* (cat. no. 5257.0.55.001) on 30 July 2012. This information paper will summarise the nature of emissions permits measures introduced under the Clean Energy Act 2011, and how the ABS expects to include estimates of various carbon credit schemes in economic and environment statistics, commencing with the September quarter 2012.

The ABS will not be able to quantify the impact of carbon pricing, compensation or other government incentives and will not be producing estimates of price change exclusive of the carbon price or measuring the impact of the carbon price. Any changes in the prices charged by companies for their outputs, paid by companies for their inputs or paid by consumers, will be reflected in the suite of price indexes compiled and published by the ABS. Further information on the expected impacts of the introduction of carbon pricing is available in the publication *Strong Growth, Low Pollution - Modelling a Carbon Price* (The Treasury, 2011).

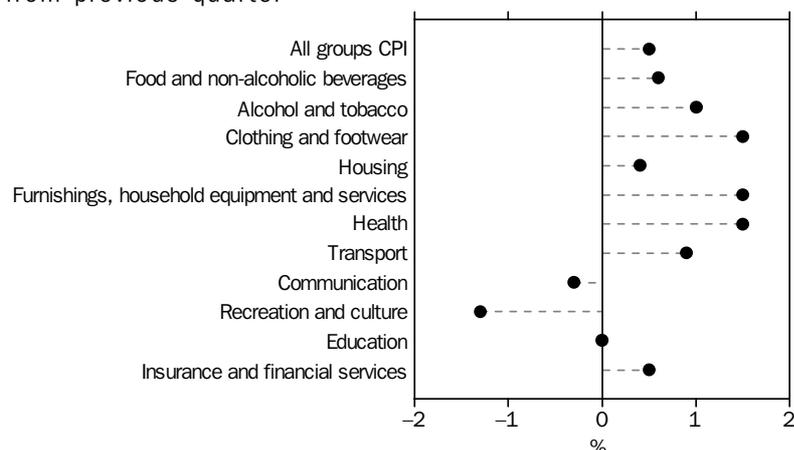
## MAIN CONTRIBUTORS TO CHANGE

### 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).

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



#### RECREATION AND CULTURE GROUP (-1.3%)

The recreation and culture group fell in the June quarter 2012. The main contributors to the fall were domestic holiday travel and accommodation (-4.0%), audio, visual and computing equipment (-3.8%), games, toys and hobbies (-1.3%) and international holiday travel and accommodation (-0.4%). This fall was partially offset by rises in newspapers, magazines and stationery (+0.8%) and sports participation (+0.4%).

In the CPI, airfares 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 (April for travel in June) and domestic airfares are collected one month in advance (April for travel in May).

Over the twelve months to the June quarter 2012, the recreation and culture group fell 1.6%.

#### FURNISHINGS, HOUSEHOLD EQUIPMENT AND SERVICES GROUP (+1.5%)

The furnishings, household equipment and services group rose in the June quarter 2012. The main contributors to the rise were furniture (+4.5%), personal care products (+2.2%) and household textiles (+2.9%). This rise was partially offset by falls in major household appliances (-1.0%) and other non-durable household products (-0.4%).

Over the twelve months to the June quarter 2012, the furnishings, household equipment and services group rose 0.7%.

#### TRANSPORT GROUP (+0.9%)

The transport group rose in the June quarter 2012. The main contributors to the rise were other services in respect of motor vehicles (+3.0%), motor vehicles (+1.1%) and automotive fuel (+0.7%).

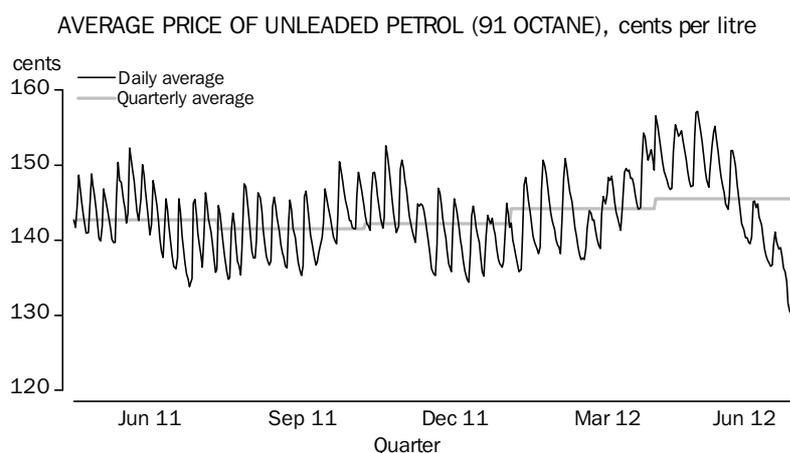
The average monthly price of automotive fuel rose in January (+1.7%), February (+1.2%), March (+3.2%) and April (+2.5%) and fell in May (-3.2%) and June (-6.4%).

The following graph illustrates the movement of the average daily prices for unleaded petrol for the weighted average of eight capital cities over the last fifteen months.

## MAIN CONTRIBUTORS TO CHANGE *continued*

### TRANSPORT GROUP

(+0.9%) *continued*



Over the twelve months to the June quarter 2012, the transport group rose 2.1%.

### FOOD AND NON-ALCOHOLIC BEVERAGES GROUP (+0.6%)

The food and non-alcoholic beverages group rose in the June quarter 2012. The main contributors to the rise were vegetables (+5.2%), fruit (+3.8%), snacks and confectionery (+3.2%) and take away and fast foods (+1.0%). The rise in vegetable and fruit prices was mainly due to cooler weather conditions with rain and flooding affecting crops in the eastern states. This rise was partially offset by falls in cakes and biscuits (-2.8%), bread (-3.1%) and other food products n.e.c. (-2.6%).

Over the twelve months to the June quarter 2012, the food and non-alcoholic beverages group fell 3.2%.

### HOUSING GROUP (+0.4%)

The housing group rose in the June quarter 2012. The main contributors to the rise were rents (+1.1%), gas and other household fuels (+2.3%), maintenance and repair of the dwelling (+0.8%) and new dwelling purchase by owner-occupiers (+0.1%). This rise was partially offset by a fall in electricity (-0.8%) due to the seasonal switch to off-peak pricing in Adelaide.

Over the twelve months to the June quarter 2012, the housing group rose 3.4%.

### HEALTH GROUP (+1.5%)

The health group rose in the June quarter 2012. The main contributor to the rise was medical and hospital services (+2.8%), which rose mainly as a result of the increases in private health fund premiums effective from 1 April 2012. This rise was partially offset by a fall in pharmaceutical products (-1.7%) due to a greater proportion of consumers exceeding the Pharmaceutical Benefits Scheme (PBS) safety net compared to the March quarter 2012. Also, from 1 April 2012, the federal government's Expanded and Accelerated Price Disclosure (EAPD) program commenced. The EAPD program progressively reduces the price of some PBS medicines.

Over the twelve months to the June quarter 2012, the health group rose 3.6%.

## MAIN CONTRIBUTORS TO CHANGE *continued*

ALCOHOL AND TOBACCO GROUP (+1.0%)	<p>The alcohol and tobacco group rose in the June quarter 2012. The main contributors to the rise were tobacco (+1.7%), beer (+0.8%) and wine (+0.6%) partially due to the flow-on effects of the federal excise tax increase from 1 February 2012.</p> <p>Over the twelve months to the June quarter 2012, the alcohol and tobacco group rose 3.8%.</p>
CLOTHING AND FOOTWEAR GROUP (+1.5%)	<p>The clothing and footwear group rose in the June quarter 2012. The main contributors to the rise were garments for women (+1.8%) and garments for men (+2.4%).</p> <p>Over the twelve months to the June quarter 2012, the clothing and footwear group rose 0.6%.</p>
INSURANCE AND FINANCIAL SERVICES GROUP (+0.5%)	<p>The insurance and financial services group rose in the June quarter 2012. The main contributor to the rise was insurance (+1.3%), which rose mainly due to increases in premiums for house and household contents insurance.</p> <p>Over the twelve months to the June quarter 2012, the insurance and financial services group rose 2.9%.</p>
COMMUNICATION GROUP (-0.3%)	<p>The communication group fell in the June quarter 2012. The main contributor to the fall was telecommunication equipment and services (-0.4%). This fall was partially offset by a rise in postal services (+1.9%).</p> <p>Over the twelve months to the June quarter 2012, the communication group rose 0.9%.</p>
EDUCATION GROUP (0.0%)	<p>The education group recorded no movement in the June quarter 2012.</p> <p>Over the twelve months to the June quarter 2012, the education group rose 6.1%.</p>
INTERNATIONAL TRADE EXPOSURE – TRADABLES AND NON-TRADABLES	<p>The tradables component (see Table 8) of the All Groups CPI rose 0.7% in the June quarter 2012. Prices for the goods and services in this component are largely determined on the world market. The tradables component represents approximately 40% of the weight of the CPI. The most significant contributors to the 0.8% rise in the tradeable goods component were vegetables, furniture, fruit, tobacco and motor vehicles. The most significant offsetting falls in the tradable goods component were for audio, visual and computing equipment, cakes and biscuits and pharmaceutical products. The fall in the tradable services component of 0.4% was driven by international holiday travel and accommodation.</p> <p>The non-tradables component of the All Groups CPI rose 0.4% in the June quarter 2012. Prices for the goods and services in this component are largely determined by domestic price pressures. The non-tradables component represents approximately 60% of the weight of the CPI. The non-tradable goods component rose 0.2% mainly due to take away and fast foods, gas and other household fuels and beer. The most significant offsetting falls were for bread and electricity. The non-tradable services component rose 0.6% mainly due to increases in medical and hospital services, rents, other services in respect of motor vehicles and insurance. The most significant offsetting fall was for domestic holiday travel and accommodation.</p>

## MAIN CONTRIBUTORS TO CHANGE *continued*

### INTERNATIONAL TRADE EXPOSURE – TRADABLES AND NON-TRADABLES *continued*

Over the twelve months to the June quarter 2012, the tradables component fell 2.0% while the non-tradables component rose 3.3%. This compares to a fall of 1.5% and a rise of 3.6% respectively through the year to the March quarter 2012.

A detailed description of which expenditure classes are classified as tradable and non-tradable in the 16th series is shown in Appendix 1 of the September quarter 2011 issue of *Consumer Price Index, Australia* (cat. no 6401.0).

### SEASONALLY ADJUSTED ANALYTICAL SERIES

In the June quarter 2012, the All groups CPI, seasonally adjusted rose 0.6%, compared to the unadjusted All groups CPI which recorded a rise of 0.5%.

The trimmed mean rose 0.5% in the June quarter 2012, compared to a revised rise of 0.4% in the March quarter 2012. Over the twelve months to the June quarter 2012, the trimmed mean rose 2.0% compared to a rise of 2.2% over the twelve months to the March quarter 2012.

The weighted median rose 0.7% in the June quarter 2012, compared to a rise of 0.4% in the March quarter 2012. Over the twelve months to the June quarter 2012, the weighted median rose 1.9% compared to a rise of 2.1% over the twelve months to the March quarter 2012.

A detailed explanation of the seasonal adjustment of the All Groups CPI is available in *Information Paper: Seasonal Adjustment of Consumer Price Indexes, 2011* (cat. no. 6401.0.55.003) available on the ABS website. This paper includes a description of the seasonal adjustment method applied, the trimmed mean and weighted median.

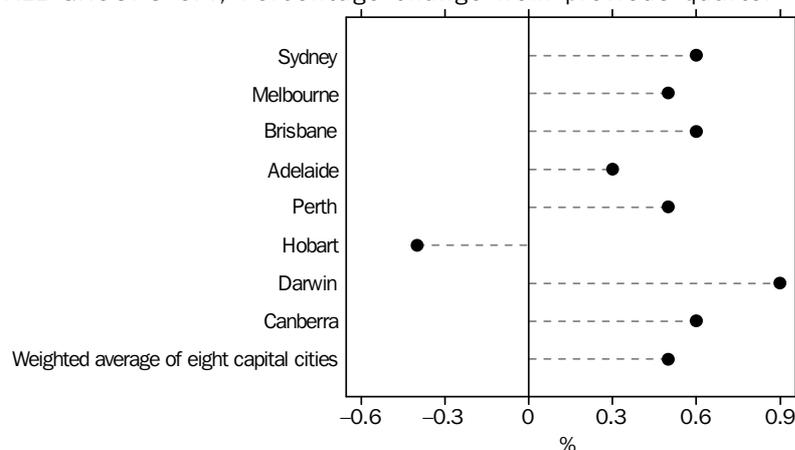
Revisions to the seasonally adjusted estimates can be the result of the application of concurrent seasonal adjustment, described in paragraph 15 of the Explanatory Notes.

## 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 seven capital cities during the June quarter 2012. Rises were recorded in Darwin (+0.9%), Sydney (+0.6%), Brisbane (+0.6%), Canberra (+0.6%), Melbourne (+0.5%), Perth (+0.5%) and Adelaide (+0.3%). A fall was recorded in Hobart (-0.4%).

The furnishings, household equipment and services group was the most significant positive contributor to the All groups quarterly movement, recording rises in all capital cities. The largest movement was recorded in Brisbane (+2.2%) driven by increases in household textiles with most other capital cities driven by increases in furniture.

The transport group was the second largest positive contributor to the All groups quarterly movement, recording rises in seven of the eight capital cities. The largest movement was recorded in Melbourne (+2.7%) due to increases in other services in respect of motor vehicles.

The food and non-alcoholic beverages group was also a positive contributor to the All groups quarterly movement, recording rises in all of the eight capital cities. The largest movements were recorded in Canberra (+1.4%) and Adelaide (+1.1%) driven by increases in vegetable prices due to unfavourable weather conditions.

The recreation and culture group was the most significant negative contributor to the All groups quarterly movement, recording falls in all cities with the exception of Darwin (+1.9%). The largest movement was recorded in Hobart (-4.5%) driven by falls in domestic holiday travel and accommodation.

Over the twelve months to the June quarter 2012, the All groups CPI rose in all capital cities with the largest positive movements recorded in Darwin (+1.6%) and Sydney (+1.3%). Hobart (+0.8%) and Brisbane (+0.9%) recorded the smallest rises over the twelve months to the June quarter 2012.

## CAPITAL CITIES COMPARISON *continued*

### ALL GROUPS CPI *continued*

#### ALL GROUPS CPI, All groups index numbers and percentage changes

	INDEX NUMBER(a)	PERCENTAGE CHANGE	
	<i>Jun Qtr 2012</i>	<i>Mar Qtr 2012 to Jun Qtr 2012</i>	<i>Jun Qtr 2011 to Jun Qtr 2012</i>
Sydney	179.9	0.6	1.3
Melbourne	177.7	0.5	1.2
Brisbane	185.8	0.6	0.9
Adelaide	183.9	0.3	1.2
Perth	180.4	0.5	1.1
Hobart	177.9	-0.4	0.8
Darwin	178.2	0.9	1.6
Canberra	180.8	0.6	1.2
Weighted average of eight capital cities	180.4	0.5	1.2

(a) Base of each index: 1989-90 = 100.0.



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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>
<b>2008-09</b>	165.8	164.1	171.0	169.7	166.6	164.9	163.6	167.5	166.4
<b>2009-10</b>	169.7	167.5	175.5	173.4	170.8	169.3	168.7	171.1	170.3
<b>2010-11</b>	174.8	173.0	181.4	178.9	175.7	174.1	173.2	175.8	175.6
<b>2011-12</b>	179.1	177.0	184.9	183.6	179.5	178.1	176.9	180.2	179.7
<b>2008</b>									
June	164.1	162.5	168.4	167.6	165.1	162.9	160.8	165.0	164.6
September	165.9	164.4	170.8	169.8	166.7	164.7	163.6	167.5	166.5
December	165.5	163.5	170.4	169.3	166.2	164.4	162.9	166.8	166.0
<b>2009</b>									
March	165.6	163.9	170.8	169.3	166.0	164.8	163.0	167.4	166.2
June	166.3	164.4	171.8	170.3	167.4	165.7	164.8	168.4	167.0
September	168.1	165.4	174.1	172.1	168.7	167.7	168.0	169.9	168.6
December	169.1	166.4	174.7	172.7	169.7	168.7	167.8	170.6	169.5
<b>2010</b>									
March	170.5	168.5	176.0	173.7	171.6	170.0	168.7	171.7	171.0
June	171.1	169.5	177.3	175.0	173.2	170.7	170.1	172.3	172.1
September	172.5	170.5	179.1	176.6	174.0	172.4	171.9	173.4	173.3
December	173.1	171.5	180.0	177.1	174.1	172.6	171.8	174.2	174.0
<b>2011</b>									
March	175.9	174.4	182.3	180.0	176.1	174.9	173.7	176.8	176.7
June	177.6	175.6	184.1	181.8	178.4	176.5	175.4	178.7	178.3
September	178.8	176.7	184.7	183.6	178.8	177.9	176.7	179.9	179.4
December	178.7	176.8	184.4	183.5	179.1	178.1	176.0	180.4	179.4
<b>2012</b>									
March	178.8	176.8	184.7	183.3	179.5	178.6	176.6	179.7	179.5
June	179.9	177.7	185.8	183.9	180.4	177.9	178.2	180.8	180.4

(a) Unless otherwise specified, base of each index: 1989-90 = 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)									
<b>2008-09</b>	3.0	2.8	3.8	3.2	3.0	2.9	3.3	3.4	3.1
<b>2009-10</b>	2.4	2.1	2.6	2.2	2.5	2.7	3.1	2.1	2.3
<b>2010-11</b>	3.0	3.3	3.4	3.2	2.9	2.8	2.7	2.7	3.1
<b>2011-12</b>	2.5	2.3	1.9	2.6	2.2	2.3	2.1	2.5	2.3
PERCENTAGE CHANGE (from corresponding quarter of previous year)									
<b>2008</b>									
June	4.3	4.4	5.1	4.6	4.5	3.5	3.9	4.4	4.5
September	4.9	4.8	5.6	5.1	4.9	4.3	4.5	5.2	5.0
December	3.8	3.2	4.3	3.8	3.7	3.3	3.7	3.7	3.7
<b>2009</b>									
March	2.4	2.1	3.1	2.3	2.2	2.2	2.8	2.7	2.5
June	1.3	1.2	2.0	1.6	1.4	1.7	2.5	2.1	1.5
September	1.3	0.6	1.9	1.4	1.2	1.8	2.7	1.4	1.3
December	2.2	1.8	2.5	2.0	2.1	2.6	3.0	2.3	2.1
<b>2010</b>									
March	3.0	2.8	3.0	2.6	3.4	3.2	3.5	2.6	2.9
June	2.9	3.1	3.2	2.8	3.5	3.0	3.2	2.3	3.1
September	2.6	3.1	2.9	2.6	3.1	2.8	2.3	2.1	2.8
December	2.4	3.1	3.0	2.5	2.6	2.3	2.4	2.1	2.7
<b>2011</b>									
March	3.2	3.5	3.6	3.6	2.6	2.9	3.0	3.0	3.3
June	3.8	3.6	3.8	3.9	3.0	3.4	3.1	3.7	3.6
September	3.7	3.6	3.1	4.0	2.8	3.2	2.8	3.7	3.5
December	3.2	3.1	2.4	3.6	2.9	3.2	2.4	3.6	3.1
<b>2012</b>									
March	1.6	1.4	1.3	1.8	1.9	2.1	1.7	1.6	1.6
June	1.3	1.2	0.9	1.2	1.1	0.8	1.6	1.2	1.2
PERCENTAGE CHANGE (from previous quarter)									
<b>2008</b>									
June	1.5	1.2	1.7	1.3	1.6	1.0	1.5	1.2	1.5
September	1.1	1.2	1.4	1.3	1.0	1.1	1.7	1.5	1.2
December	-0.2	-0.5	-0.2	-0.3	-0.3	-0.2	-0.4	-0.4	-0.3
<b>2009</b>									
March	0.1	0.2	0.2	0.0	-0.1	0.2	0.1	0.4	0.1
June	0.4	0.3	0.6	0.6	0.8	0.5	1.1	0.6	0.5
September	1.1	0.6	1.3	1.1	0.8	1.2	1.9	0.9	1.0
December	0.6	0.6	0.3	0.3	0.6	0.6	-0.1	0.4	0.5
<b>2010</b>									
March	0.8	1.3	0.7	0.6	1.1	0.8	0.5	0.6	0.9
June	0.4	0.6	0.7	0.7	0.9	0.4	0.8	0.3	0.6
September	0.8	0.6	1.0	0.9	0.5	1.0	1.1	0.6	0.7
December	0.3	0.6	0.5	0.3	0.1	0.1	-0.1	0.5	0.4
<b>2011</b>									
March	1.6	1.7	1.3	1.6	1.1	1.3	1.1	1.5	1.6
June	1.0	0.7	1.0	1.0	1.3	0.9	1.0	1.1	0.9
September	0.7	0.6	0.3	1.0	0.2	0.8	0.7	0.7	0.6
December	-0.1	0.1	-0.2	-0.1	0.2	0.1	-0.4	0.3	0.0
<b>2012</b>									
March	0.1	0.0	0.2	-0.1	0.2	0.3	0.3	-0.4	0.1
June	0.6	0.5	0.6	0.3	0.5	-0.4	0.9	0.6	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>
<b>2008-09</b>	186.5	263.6	110.2	149.0	125.1	245.4
<b>2009-10</b>	189.5	276.3	109.9	157.6	128.0	257.2
<b>2010-11</b>	196.5	303.3	107.7	165.3	127.9	269.0
<b>2011-12</b>	197.9	313.6	109.3	171.5	128.3	279.1
<b>2008</b>						
June	179.5	255.4	110.4	143.4	124.7	241.6
September	182.1	259.1	109.6	147.2	123.6	241.0
December	185.8	262.6	110.0	148.3	124.0	238.1
<b>2009</b>						
March	189.9	265.1	109.5	149.7	125.0	248.5
June	188.1	267.4	111.8	150.9	127.7	254.1
September	186.6	269.4	112.1	155.3	128.5	251.6
December	189.3	270.8	112.3	156.5	128.5	249.3
<b>2010</b>						
March	191.3	274.3	107.5	158.8	126.8	261.1
June	190.7	290.6	107.5	159.7	128.0	266.8
September	189.8	299.5	109.0	163.3	129.0	264.8
December	194.0	301.8	106.9	164.3	128.2	261.7
<b>2011</b>						
March	199.6	305.0	106.1	166.4	126.2	271.9
June	202.4	307.0	108.7	167.1	128.1	277.4
September	201.9	308.6	110.3	170.2	128.4	274.6
December	198.9	311.3	109.7	170.9	128.5	271.2
<b>2012</b>						
March	194.7	315.7	107.7	172.0	127.1	283.2
June	195.9	318.8	109.3	172.7	129.0	287.5

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

<i>Period</i>	<i>Transport</i>	<i>Communication</i>	<i>Recreation and culture</i>	<i>Education</i>	<i>Insurance and financial services(b)</i>	<i>All groups CPI</i>
<b>2008-09</b>	163.7	112.0	137.1	289.1	111.6	166.4
<b>2009-10</b>	164.9	112.4	137.7	305.4	109.3	170.3
<b>2010-11</b>	168.5	112.3	136.1	323.2	112.7	175.6
<b>2011-12</b>	174.0	113.6	135.5	342.3	117.5	179.7
<b>2008</b>						
June	171.6	111.2	135.5	282.6	114.0	164.6
September	173.3	111.4	137.3	281.3	115.9	166.5
December	161.3	111.8	138.0	281.4	115.6	166.0
<b>2009</b>						
March	158.8	112.2	136.5	296.7	108.3	166.2
June	161.4	112.5	136.4	296.9	106.5	167.0
September	164.5	112.5	137.4	297.0	107.5	168.6
December	163.2	112.5	139.5	297.2	108.3	169.5
<b>2010</b>						
March	165.3	112.4	138.1	313.7	110.5	171.0
June	166.5	112.3	135.6	313.8	110.7	172.1
September	165.5	112.0	136.5	314.2	111.2	173.3
December	165.9	112.1	136.8	314.2	110.7	174.0
<b>2011</b>						
March	170.3	112.2	136.0	332.2	113.6	176.7
June	172.4	112.7	135.2	332.2	115.4	178.3
September	172.6	112.7	136.4	332.4	116.2	179.4
December	172.6	113.9	137.5	332.4	116.9	179.4
<b>2012</b>						
March	174.5	114.0	134.8	352.2	118.1	179.5
June	176.1	113.7	133.1	352.3	118.7	180.4

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

(b) Base: June quarter 2005 = 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)						
<b>2008-09</b>	4.9	5.5	0.8	6.0	1.4	5.1
<b>2009-10</b>	1.6	4.8	-0.3	5.8	2.3	4.8
<b>2010-11</b>	3.7	9.8	-2.0	4.9	-0.1	4.6
<b>2011-12</b>	0.7	3.4	1.5	3.8	0.3	3.8

	<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 corresponding quarter of previous year)						
<b>2008</b>						
June	3.9	4.8	1.1	6.0	-0.6	4.8
September	3.4	5.8	0.0	6.8	0.9	5.1
December	5.6	5.8	0.2	6.5	0.4	4.9
<b>2009</b>						
March	5.7	5.7	2.1	5.5	1.9	5.3
June	4.8	4.7	1.3	5.2	2.4	5.2
September	2.5	4.0	2.3	5.5	4.0	4.4
December	1.9	3.1	2.1	5.5	3.6	4.7
<b>2010</b>						
March	0.7	3.5	-1.8	6.1	1.4	5.1
June	1.4	8.7	-3.8	5.8	0.2	5.0
September	1.7	11.2	-2.8	5.2	0.4	5.2
December	2.5	11.4	-4.8	5.0	-0.2	5.0
<b>2011</b>						
March	4.3	11.2	-1.3	4.8	-0.5	4.1
June	6.1	5.6	1.1	4.6	0.1	4.0
September	6.4	3.0	1.2	4.2	-0.5	3.7
December	2.5	3.1	2.6	4.0	0.2	3.6
<b>2012</b>						
March	-2.5	3.5	1.5	3.4	0.7	4.2
June	-3.2	3.8	0.6	3.4	0.7	3.6

	<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 quarter)						
<b>2008</b>						
June	-0.1	1.9	3.0	1.1	1.6	2.4
September	1.4	1.4	-0.7	2.6	-0.9	-0.2
December	2.0	1.4	0.4	0.7	0.3	-1.2
<b>2009</b>						
March	2.2	1.0	-0.5	0.9	0.8	4.4
June	-0.9	0.9	2.1	0.8	2.2	2.3
September	-0.8	0.7	0.3	2.9	0.6	-1.0
December	1.4	0.5	0.2	0.8	0.0	-0.9
<b>2010</b>						
March	1.1	1.3	-4.3	1.5	-1.3	4.7
June	-0.3	5.9	0.0	0.6	0.9	2.2
September	-0.5	3.1	1.4	2.3	0.8	-0.7
December	2.2	0.8	-1.9	0.6	-0.6	-1.2
<b>2011</b>						
March	2.9	1.1	-0.7	1.3	-1.6	3.9
June	1.4	0.7	2.5	0.4	1.5	2.0
September	-0.2	0.5	1.5	1.9	0.2	-1.0
December	-1.5	0.9	-0.5	0.4	0.1	-1.2
<b>2012</b>						
March	-2.1	1.4	-1.8	0.6	-1.1	4.4
June	0.6	1.0	1.5	0.4	1.5	1.5

	<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)						
<b>2008-09</b>	-0.9	0.7	1.0	4.9	2.0	3.1
<b>2009-10</b>	0.7	0.4	0.4	5.6	-2.1	2.3
<b>2010-11</b>	2.2	-0.1	-1.2	5.8	3.1	3.1
<b>2011-12</b>	3.3	1.2	-0.4	5.9	4.3	2.3

	<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)						
<b>2008</b>						
June	6.9	0.0	1.7	4.2	9.9	4.5
September	8.7	0.2	1.6	4.7	9.5	5.0
December	-1.2	0.5	1.3	4.8	7.0	3.7
<b>2009</b>						
March	-4.6	1.0	0.5	5.0	-1.4	2.5
June	-5.9	1.2	0.7	5.1	-6.6	1.5
September	-5.1	1.0	0.1	5.6	-7.2	1.3
December	1.2	0.6	1.1	5.6	-6.3	2.1
<b>2010</b>						
March	4.1	0.2	1.2	5.7	2.0	2.9
June	3.2	-0.2	-0.6	5.7	3.9	3.1
September	0.6	-0.4	-0.7	5.8	3.4	2.8
December	1.7	-0.4	-1.9	5.7	2.2	2.7
<b>2011</b>						
March	3.0	-0.2	-1.5	5.9	2.8	3.3
June	3.5	0.4	-0.3	5.9	4.2	3.6
September	4.3	0.6	-0.1	5.8	4.5	3.5
December	4.0	1.6	0.5	5.8	5.6	3.1
<b>2012</b>						
March	2.5	1.6	-0.9	6.0	4.0	1.6
June	2.1	0.9	-1.6	6.1	2.9	1.2

	<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)						
<b>2008</b>						
June	3.1	0.1	-0.2	0.0	3.8	1.5
September	1.0	0.2	1.3	-0.5	1.7	1.2
December	-6.9	0.4	0.5	0.0	-0.3	-0.3
<b>2009</b>						
March	-1.5	0.4	-1.1	5.4	-6.3	0.1
June	1.6	0.3	-0.1	0.1	-1.7	0.5
September	1.9	0.0	0.7	0.0	0.9	1.0
December	-0.8	0.0	1.5	0.1	0.7	0.5
<b>2010</b>						
March	1.3	-0.1	-1.0	5.6	2.0	0.9
June	0.7	-0.1	-1.8	0.0	0.2	0.6
September	-0.6	-0.3	0.7	0.1	0.5	0.7
December	0.2	0.1	0.2	0.0	-0.4	0.4
<b>2011</b>						
March	2.7	0.1	-0.6	5.7	2.6	1.6
June	1.2	0.4	-0.6	0.0	1.6	0.9
September	0.1	0.0	0.9	0.1	0.7	0.6
December	0.0	1.1	0.8	0.0	0.6	0.0
<b>2012</b>						
March	1.1	0.1	-2.0	6.0	1.0	0.1
June	0.9	-0.3	-1.3	0.0	0.5	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									
<b>2010</b>									
June	190.7	188.6	192.3	200.6	189.4	185.7	186.2	191.6	190.7
September	189.9	187.4	191.0	200.7	188.4	186.0	185.2	191.2	189.8
December	194.8	192.0	195.8	203.8	189.5	189.3	186.2	195.6	194.0
<b>2011</b>									
March	200.6	197.0	202.4	209.7	195.0	193.0	191.0	202.4	199.6
June	202.5	200.0	204.5	212.7	200.6	195.4	193.0	206.8	202.4
September	202.1	199.7	203.3	212.6	199.6	195.9	194.5	206.9	201.9
December	198.7	197.4	200.5	208.4	197.0	193.5	189.6	201.7	198.9
<b>2012</b>									
March	194.3	192.9	197.1	203.7	192.6	189.8	188.0	198.3	194.7
June	195.3	194.6	197.5	206.0	193.8	189.9	188.8	201.1	195.9
ALCOHOL AND TOBACCO									
<b>2010</b>									
June	293.8	293.3	287.7	304.1	272.5	270.5	284.4	274.0	290.6
September	303.0	302.0	297.3	314.2	280.5	278.5	293.7	280.3	299.5
December	304.7	305.0	300.5	316.8	281.0	280.8	296.1	283.1	301.8
<b>2011</b>									
March	310.1	306.4	303.5	319.8	283.9	284.2	300.2	284.6	305.0
June	312.5	308.7	305.6	322.1	283.6	285.3	303.3	285.1	307.0
September	313.2	310.4	307.4	323.3	286.7	290.5	306.7	286.1	308.6
December	315.0	313.8	309.6	326.0	289.4	291.2	310.0	292.5	311.3
<b>2012</b>									
March	320.1	319.3	312.2	329.4	293.1	295.3	318.3	294.8	315.7
June	323.5	322.2	316.1	332.4	295.1	298.2	320.8	299.8	318.8
CLOTHING AND FOOTWEAR									
<b>2010</b>									
June	114.9	105.5	103.6	102.4	96.5	104.6	106.5	114.2	107.5
September	117.6	105.9	105.6	104.5	96.6	106.5	105.4	113.1	109.0
December	114.1	105.5	104.4	100.9	94.1	106.2	105.7	111.3	106.9
<b>2011</b>									
March	114.0	103.7	103.2	100.5	93.6	103.4	106.7	112.8	106.1
June	114.8	105.8	105.7	105.0	100.8	106.2	105.5	117.3	108.7
September	116.9	109.0	107.5	107.3	98.5	105.0	105.5	115.8	110.3
December	115.4	110.5	104.7	106.8	96.3	108.4	107.1	116.0	109.7
<b>2012</b>									
March	115.8	105.6	103.2	102.8	96.4	106.2	105.9	113.5	107.7
June	117.9	105.4	105.5	103.1	101.1	105.7	105.9	115.8	109.3
HOUSING									
<b>2010</b>									
June	165.0	142.1	177.5	151.8	166.7	159.7	194.1	168.1	159.7
September	168.8	144.8	182.5	155.4	170.0	164.1	197.9	170.6	163.3
December	170.1	145.8	183.4	156.2	170.5	164.4	199.4	171.3	164.3
<b>2011</b>									
March	171.9	149.2	184.2	160.4	170.8	167.4	200.3	172.7	166.4
June	173.4	149.4	185.2	159.1	171.6	167.9	200.5	173.1	167.1
September	177.4	151.8	186.5	163.5	174.3	171.8	202.6	176.8	170.2
December	178.8	151.6	187.1	165.4	175.7	172.2	203.2	177.8	170.9
<b>2012</b>									
March	179.3	153.3	187.2	167.4	177.1	172.6	204.6	177.9	172.0
June	180.9	153.1	188.2	166.0	178.9	172.0	206.4	178.5	172.7

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

Quarters	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
FURNISHINGS, HOUSEHOLD EQUIPMENT AND SERVICES									
<b>2010</b>									
June	123.5	127.6	134.8	130.1	127.4	138.0	123.6	136.6	128.0
September	124.8	129.1	135.4	131.2	127.3	139.3	122.8	138.3	129.0
December	123.6	128.5	135.5	129.2	127.0	137.3	122.0	138.6	128.2
<b>2011</b>									
March	121.6	126.5	133.4	127.8	124.6	136.3	122.7	136.7	126.2
June	123.5	127.8	135.8	129.7	126.7	136.9	122.1	138.1	128.1
September	124.3	128.1	135.3	130.9	126.6	137.6	121.8	138.7	128.4
December	123.8	129.2	134.9	129.8	126.8	137.5	121.8	139.5	128.5
<b>2012</b>									
March	122.5	126.9	134.6	128.3	126.0	136.9	121.3	139.1	127.1
June	124.3	128.6	137.5	130.4	127.4	138.6	123.4	141.2	129.0
HEALTH									
<b>2010</b>									
June	250.2	279.6	271.9	271.5	257.3	292.2	243.4	266.9	266.8
September	248.2	278.7	267.8	270.0	255.3	288.7	243.2	263.8	264.8
December	244.9	275.8	263.2	267.1	253.9	284.3	241.0	261.0	261.7
<b>2011</b>									
March	253.9	287.0	276.0	274.6	263.1	295.0	248.5	275.1	271.9
June	260.2	291.6	280.2	283.2	268.2	301.0	252.0	277.5	277.4
September	258.0	288.1	277.2	280.5	264.8	297.9	253.1	276.9	274.6
December	254.5	284.8	273.4	277.6	261.8	294.0	250.4	272.2	271.2
<b>2012</b>									
March	265.7	298.3	285.8	286.6	273.8	304.5	255.1	286.7	283.2
June	270.1	302.1	289.2	293.4	277.7	310.8	259.7	289.6	287.5
TRANSPORT									
<b>2010</b>									
June	164.3	165.8	174.2	168.5	167.0	159.7	156.6	162.4	166.5
September	163.8	164.2	173.6	166.4	165.6	159.5	157.2	162.1	165.5
December	163.8	165.3	174.4	168.0	164.7	157.2	157.5	163.4	165.9
<b>2011</b>									
March	168.6	169.1	178.6	172.5	169.9	160.8	160.6	167.3	170.3
June	170.2	170.8	181.4	175.6	171.7	164.1	164.6	170.3	172.4
September	170.7	170.9	182.0	176.1	171.1	163.7	165.5	169.9	172.6
December	169.9	170.4	183.4	177.8	171.1	163.7	166.4	172.2	172.6
<b>2012</b>									
March	172.6	172.1	185.5	179.0	172.2	164.9	168.5	171.2	174.5
June	173.1	176.8	185.4	179.2	172.8	165.4	169.2	172.3	176.1
COMMUNICATION									
<b>2010</b>									
June	111.9	111.8	116.2	113.9	110.7	113.5	104.1	111.0	112.3
September	111.6	111.4	116.0	113.8	110.6	113.3	104.0	110.7	112.0
December	111.6	111.4	116.0	113.8	110.6	113.4	104.1	110.7	112.1
<b>2011</b>									
March	111.8	111.5	116.2	114.0	110.8	113.6	104.3	110.9	112.2
June	112.3	112.0	116.7	114.5	111.3	114.1	104.7	111.4	112.7
September	112.2	112.0	116.6	114.4	111.3	114.1	104.7	111.4	112.7
December	113.4	113.1	117.9	115.6	112.5	115.3	105.8	112.6	113.9
<b>2012</b>									
March	113.5	113.2	118.0	115.7	112.6	115.4	105.9	112.7	114.0
June	113.2	112.9	117.7	115.4	112.3	115.1	105.6	112.4	113.7

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

Quarters	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
RECREATION AND CULTURE									
<b>2010</b>									
June	137.2	136.4	130.4	138.6	136.3	129.7	108.6	133.1	135.6
September	138.7	136.5	132.0	139.5	136.3	129.5	111.8	135.1	136.5
December	138.7	136.3	131.9	141.0	138.1	131.1	108.4	136.0	136.8
<b>2011</b>									
March	137.8	136.8	130.1	139.1	136.2	130.4	106.6	135.0	136.0
June	137.1	134.9	129.6	139.3	136.3	130.0	109.6	135.1	135.2
September	137.8	136.4	131.4	141.3	136.6	132.3	110.5	136.7	136.4
December	139.2	137.8	130.7	141.0	138.7	134.0	107.2	138.4	137.5
<b>2012</b>									
March	136.2	135.4	128.2	137.6	136.8	134.9	104.7	134.2	134.8
June	134.8	132.9	127.9	136.9	133.9	128.8	106.7	133.3	133.1
EDUCATION									
<b>2010</b>									
June	318.0	300.0	337.3	360.8	318.7	305.2	210.6	288.5	313.8
September	317.6	301.5	337.5	360.8	318.7	305.5	210.6	288.5	314.2
December	317.4	301.6	337.5	360.9	318.7	305.6	210.6	288.6	314.2
<b>2011</b>									
March	336.1	320.3	354.4	381.1	335.4	317.2	219.0	303.5	332.2
June	336.2	320.3	354.5	381.1	335.4	317.2	219.0	303.6	332.2
September	336.4	320.4	354.5	381.1	335.5	317.6	219.0	304.0	332.4
December	336.5	320.4	354.7	381.2	335.5	317.8	219.0	304.1	332.4
<b>2012</b>									
March	353.2	339.1	381.5	405.4	358.2	333.5	231.4	319.6	352.2
June	353.4	339.2	381.5	405.5	358.2	333.5	231.4	320.0	352.3
INSURANCE AND FINANCIAL SERVICES (b)									
<b>2010</b>									
June	111.1	109.1	112.0	110.4	111.1	112.2	109.1	113.6	110.7
September	110.9	109.9	113.7	111.7	111.1	113.7	109.8	114.6	111.2
December	110.4	109.7	113.3	111.4	110.3	113.6	109.4	112.4	110.7
<b>2011</b>									
March	113.5	112.5	116.0	114.1	113.1	116.2	112.1	115.3	113.6
June	115.5	113.8	117.6	116.2	115.4	118.2	114.0	117.1	115.4
September	115.5	114.8	118.2	117.6	117.4	118.0	116.4	119.2	116.2
December	116.5	114.9	119.7	118.7	117.7	117.7	118.2	120.4	116.9
<b>2012</b>									
March	117.9	115.9	120.8	119.7	118.8	118.6	118.9	120.6	118.1
June	118.7	116.4	121.7	119.6	119.4	119.5	119.9	119.4	118.7

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

(b) Base: June quarter 2005 = 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>
<b>Food and non-alcoholic beverages</b>	0.15	0.26	0.06	0.32	0.18	0.01	0.11	0.39	0.19
Bread and cereal products	-0.13	-0.04	-0.04	-0.05	-0.10	-0.03	-0.04	-0.02	-0.07
Bread	-0.06	0.00	0.00	-0.03	-0.06	0.01	-0.08	0.00	-0.03
Cakes and biscuits	-0.04	-0.03	-0.04	-0.04	-0.04	-0.03	0.02	-0.03	-0.04
Breakfast cereals	-0.02	0.00	0.00	0.00	0.00	-0.02	0.00	0.01	-0.01
Other cereal products	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00
Meat and seafoods	-0.03	0.03	-0.02	0.01	0.00	-0.02	0.06	0.05	0.00
Beef and veal	-0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.01
Pork	-0.01	-0.01	-0.03	0.00	-0.01	-0.02	0.02	0.00	-0.01
Lamb and goat	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Poultry	0.00	0.01	0.01	-0.01	0.01	-0.01	0.02	0.03	0.01
Other meats	0.00	0.02	-0.01	0.04	0.01	0.03	0.01	0.00	0.01
Fish and other seafood	-0.01	0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
Dairy and related products	-0.01	0.00	-0.03	0.00	0.01	0.04	-0.01	0.03	-0.01
Milk	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cheese	0.00	0.00	-0.02	-0.01	0.02	0.00	0.00	-0.01	0.00
Ice cream and other dairy products	-0.01	0.00	-0.01	0.00	-0.01	0.03	-0.01	0.04	0.00
Fruit and vegetables	0.25	0.18	0.06	0.22	0.13	0.03	0.01	0.26	0.18
Fruit	0.10	0.02	0.02	0.06	0.13	-0.03	0.00	0.05	0.07
Vegetables	0.15	0.16	0.03	0.17	-0.01	0.05	0.02	0.19	0.12
Food products n.e.c.	-0.03	0.03	0.01	0.08	0.08	0.03	0.05	-0.03	0.02
Eggs	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Jams, honey and spreads	0.00	-0.01	-0.01	0.01	0.00	-0.03	0.00	0.00	0.00
Food additives and condiments	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
Oils and fats	-0.01	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	-0.01
Snacks and confectionery	0.03	0.09	0.00	0.06	0.09	0.06	0.06	0.03	0.05
Other food products n.e.c.	-0.05	-0.03	0.02	0.01	0.00	-0.01	0.00	-0.03	-0.02
Non-alcoholic beverages	-0.01	0.02	0.00	0.02	0.00	-0.04	0.02	0.03	0.00
Coffee, tea and cocoa	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00
Waters, soft drinks and juices	-0.01	0.01	0.00	0.02	-0.01	-0.04	0.01	0.02	-0.01
Meals out and take away foods	0.09	0.05	0.09	0.03	0.06	0.01	0.02	0.09	0.07
Restaurant meals	0.03	-0.02	0.05	0.01	0.02	0.03	-0.01	0.07	0.02
Take away and fast foods	0.05	0.07	0.03	0.02	0.04	-0.02	0.03	0.04	0.05
<b>Alcohol and tobacco</b>	0.13	0.12	0.17	0.12	0.09	0.15	0.13	0.21	0.13
Alcoholic beverages	0.07	0.05	0.10	0.03	0.02	0.00	0.06	0.13	0.06
Spirits	0.01	0.00	0.03	0.01	-0.01	0.00	0.05	0.02	0.01
Wine	0.01	0.02	0.01	0.01	0.04	0.02	0.01	0.06	0.02
Beer	0.05	0.02	0.06	0.01	-0.02	-0.03	-0.01	0.05	0.03
Tobacco	0.06	0.07	0.07	0.10	0.08	0.14	0.07	0.08	0.07
Tobacco	0.06	0.07	0.07	0.10	0.08	0.14	0.07	0.08	0.07
<b>Clothing and footwear</b>	0.13	-0.01	0.15	0.03	0.32	-0.05	0.00	0.14	0.11
Garments	0.09	0.00	0.15	-0.06	0.32	-0.08	0.03	0.13	0.09
Garments for men	-0.04	0.00	0.11	0.11	0.14	0.04	0.00	0.06	0.03
Garments for women	0.12	0.01	0.03	-0.20	0.15	-0.15	0.02	0.07	0.05
Garments for infants and children	0.00	-0.01	0.02	0.03	0.03	0.01	0.02	0.00	0.01
Footwear	0.03	-0.04	0.02	-0.01	-0.01	0.03	-0.06	0.00	0.00
Footwear for men	0.01	0.00	0.02	-0.01	-0.01	0.00	0.00	0.00	0.00
Footwear for women	0.02	-0.02	0.00	-0.01	-0.01	0.01	-0.05	0.00	0.00
Footwear for infants and children	0.01	-0.02	0.01	0.02	0.01	0.02	-0.02	0.01	0.00
Accessories and clothing services	0.01	0.03	-0.03	0.10	0.02	0.01	0.03	0.01	0.02
Accessories	0.00	0.02	-0.03	0.09	0.02	0.01	0.02	0.01	0.01
Cleaning, repair and hire of clothing and footwear	0.00	0.01	0.00	0.00	0.01	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>
<b>Housing</b>	0.40	-0.04	0.23	-0.32	0.40	-0.13	0.40	0.12	0.18
Rents	0.21	0.09	0.10	0.07	0.18	0.07	0.14	0.11	0.14
Rents	0.21	0.09	0.10	0.07	0.18	0.07	0.14	0.11	0.14
New dwelling purchase by owner-occupiers	0.15	-0.22	0.10	0.01	0.12	-0.21	0.20	-0.04	0.02
New dwelling purchase by owner-occupiers	0.15	-0.22	0.10	0.01	0.12	-0.21	0.20	-0.04	0.02
Other housing	0.04	0.04	0.02	0.05	-0.03	0.00	0.06	0.04	0.03
Maintenance and repair of the dwelling	0.04	0.04	0.02	0.04	-0.02	0.01	0.06	0.05	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	0.00	0.05	0.00	-0.43	0.12	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	0.00	0.00	0.00	-0.43	0.00	0.00	0.00	0.00	-0.03
Gas and other household fuels	0.00	0.05	0.00	0.00	0.12	-0.01	0.00	0.00	0.03
<b>Furnishings, household equipment and services</b>	0.23	0.21	0.34	0.28	0.18	0.20	0.26	0.28	0.24
Furniture and furnishings	0.11	0.16	0.07	0.13	0.12	0.06	0.00	0.13	0.12
Furniture	0.11	0.16	0.09	0.11	0.12	0.05	0.00	0.11	0.12
Carpets and other floor coverings	-0.01	0.00	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Household textiles	0.02	0.03	0.09	0.00	0.03	0.00	0.02	0.03	0.03
Household textiles	0.02	0.03	0.09	0.00	0.03	0.00	0.02	0.03	0.03
Household appliances, utensils and tools	-0.04	-0.04	0.04	0.05	-0.05	0.08	0.05	0.01	-0.02
Major household appliances	-0.02	-0.02	0.00	0.02	-0.02	0.05	0.06	0.01	-0.01
Small electric household appliances	0.00	-0.01	0.00	0.00	-0.01	0.02	0.00	0.00	0.00
Glassware, tableware and household utensils	-0.02	0.00	0.03	0.04	-0.01	0.02	0.01	0.00	0.00
Tools and equipment for house and garden	0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.00
Non-durable household products	0.09	0.01	0.12	0.04	0.04	0.05	0.09	-0.01	0.06
Cleaning and maintenance products	0.03	0.01	0.03	0.01	0.02	-0.01	0.01	0.02	0.02
Personal care products	0.06	0.01	0.07	0.03	0.04	0.09	0.09	-0.01	0.05
Other non-durable household products	-0.01	-0.01	0.02	-0.01	-0.02	-0.04	0.00	-0.03	-0.01
Domestic and household services	0.05	0.05	0.03	0.06	0.05	0.01	0.08	0.12	0.05
Child care	0.01	0.01	0.02	0.03	0.01	0.00	0.07	0.12	0.01
Hairdressing and personal grooming services	0.01	0.02	0.00	0.00	0.01	0.00	0.02	-0.01	0.02
Other household services	0.03	0.02	0.01	0.03	0.03	0.00	0.00	0.00	0.02
<b>Health</b>	0.15	0.11	0.12	0.26	0.14	0.21	0.13	0.11	0.14
Medical products, appliances and equipment	-0.05	-0.03	-0.05	-0.03	-0.04	-0.03	-0.01	-0.01	-0.04
Pharmaceutical products	-0.04	-0.03	-0.04	-0.03	-0.04	-0.03	-0.01	-0.01	-0.03
Therapeutic appliances and equipment	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.01	0.00
Medical, dental and hospital services	0.20	0.14	0.17	0.28	0.18	0.23	0.14	0.11	0.18
Medical and hospital services	0.19	0.14	0.15	0.28	0.18	0.22	0.14	0.09	0.18
Dental services	0.01	0.00	0.02	0.01	0.00	0.01	0.01	0.02	0.00
<b>Transport</b>	0.06	0.58	-0.01	0.03	0.07	0.05	0.08	0.15	0.19
Private motoring	0.06	0.58	-0.01	0.03	0.07	0.05	0.08	0.15	0.20
Motor vehicles	0.04	0.24	-0.09	-0.04	-0.01	0.01	-0.08	-0.05	0.06
Spare parts and accessories for motor vehicles	0.00	0.01	0.02	-0.03	0.01	0.02	0.01	-0.02	0.01
Automotive fuel	0.00	0.04	0.06	0.06	0.08	0.03	0.10	0.16	0.05
Maintenance and repair of motor vehicles	0.00	0.03	-0.03	0.02	0.00	0.01	0.05	0.05	0.01
Other services in respect of motor vehicles	0.01	0.26	0.02	0.00	-0.02	0.00	0.00	0.00	0.07
Urban transport fares	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban transport fares	0.00	0.01	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>
<b>Communication</b>	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02
Communication	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02
Postal services	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.01
Telecommunication equipment and services	-0.01	-0.02	-0.01	-0.02	-0.02	-0.02	-0.01	-0.02	-0.02
<b>Recreation and culture</b>	-0.22	-0.42	-0.07	-0.12	-0.52	-1.16	0.38	-0.16	-0.29
Audio, visual and computing equipment and services	-0.11	-0.09	-0.07	-0.05	-0.18	-0.09	-0.12	-0.08	-0.10
Audio, visual and computing equipment	-0.11	-0.07	-0.07	-0.06	-0.14	-0.10	-0.14	-0.09	-0.10
Audio, visual and computing media and services	-0.01	-0.01	0.01	0.01	-0.04	0.01	0.03	0.02	-0.01
Newspapers, books and stationery	0.01	0.01	0.02	0.02	0.01	0.00	0.02	0.01	0.02
Books	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00
Newspapers, magazines and stationery	0.00	0.02	0.02	0.01	0.01	-0.01	0.00	0.02	0.01
Holiday travel and accommodation	-0.08	-0.36	-0.04	-0.12	-0.35	-1.05	0.43	-0.06	-0.20
Domestic holiday travel and accommodation	-0.09	-0.30	-0.07	-0.12	-0.35	-1.01	0.41	-0.07	-0.18
International holiday travel and accommodation	0.00	-0.07	0.03	0.00	-0.01	-0.04	0.02	0.01	-0.02
Other recreation, sport and culture	-0.03	0.01	0.04	0.04	0.01	-0.02	0.05	-0.03	0.00
Equipment for sports, camping and open-air recreation	-0.02	0.01	0.01	0.02	0.00	-0.01	-0.03	0.01	0.00
Games, toys and hobbies	-0.03	-0.02	-0.02	-0.02	0.01	-0.01	-0.01	-0.02	-0.02
Pets and related products	0.00	0.00	0.02	0.05	0.00	-0.02	0.03	-0.05	0.00
Veterinary and other services for pets	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sports participation	0.00	0.02	0.01	-0.03	0.00	0.00	0.00	0.02	0.01
Other recreational, sporting and cultural services	0.02	0.00	0.01	0.00	0.00	0.01	0.05	0.00	0.00
<b>Education</b>	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Education	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
Preschool and primary education	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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
<b>Insurance and financial services</b>	0.07	0.04	0.08	0.00	0.05	0.07	0.07	-0.09	0.05
Insurance	0.06	0.03	0.06	-0.01	0.01	0.04	0.03	0.02	0.04
Insurance	0.06	0.03	0.06	-0.01	0.01	0.04	0.03	0.02	0.04
Financial services	0.01	0.01	0.03	0.01	0.04	0.03	0.03	-0.11	0.01
Deposit and loan facilities (direct charges)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Other financial services	0.01	0.01	0.03	0.01	0.03	0.03	0.02	-0.11	0.01
<b>All groups CPI</b>	<b>1.1</b>	<b>0.9</b>	<b>1.1</b>	<b>0.6</b>	<b>0.9</b>	<b>-0.7</b>	<b>1.6</b>	<b>1.1</b>	<b>0.9</b>

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Jun Qtr 2011	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012	Jun Qtr 2011 to Jun Qtr 2012	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012
<b>Food and non-alcoholic beverages</b>	202.4	194.7	195.9	0.6	-3.2	28.87	29.06	0.19
Bread and cereal products	210.4	211.8	206.8	-2.4	-1.7	3.06	2.99	-0.07
Bread	245.9	247.5	239.9	-3.1	-2.4	1.04	1.01	-0.03
Cakes and biscuits	198.1	197.9	192.4	-2.8	-2.9	1.32	1.28	-0.04
Breakfast cereals	156.1	164.7	161.1	-2.2	3.2	0.33	0.32	-0.01
Other cereal products	177.4	176.4	177.8	0.8	0.2	0.37	0.37	0.00
Meat and seafoods	170.2	166.7	166.7	0.0	-2.1	4.00	4.00	0.00
Beef and veal	165.3	164.8	165.5	0.4	0.1	0.69	0.70	0.01
Pork	172.2	169.6	166.9	-1.6	-3.1	0.64	0.63	-0.01
Lamb and goat	282.7	271.4	269.1	-0.8	-4.8	0.44	0.44	0.00
Poultry	109.3	101.2	101.6	0.4	-7.0	0.81	0.82	0.01
Other meats	193.3	196.8	200.0	1.6	3.5	0.69	0.70	0.01
Fish and other seafood	154.1	153.9	153.5	-0.3	-0.4	0.72	0.72	0.00
Dairy and related products	198.7	198.0	197.2	-0.4	-0.8	2.04	2.03	-0.01
Milk	193.6	194.8	194.5	-0.2	0.5	0.76	0.76	0.00
Cheese	198.6	195.6	194.9	-0.4	-1.9	0.59	0.59	0.00
Ice cream and other dairy products	194.5	193.5	192.4	-0.6	-1.1	0.68	0.68	0.00
Fruit and vegetables	234.3	175.0	183.0	4.6	-21.9	3.92	4.10	0.18
Fruit	307.2	184.0	191.0	3.8	-37.8	1.71	1.78	0.07
Vegetables	183.7	169.7	178.5	5.2	-2.8	2.21	2.33	0.12
Food products n.e.c.	216.1	216.5	217.6	0.5	0.7	3.88	3.90	0.02
Eggs	199.1	200.7	201.2	0.2	1.1	0.19	0.19	0.00
Jams, honey and spreads	213.5	215.0	212.7	-1.1	-0.4	0.26	0.26	0.00
Food additives and condiments	159.1	164.1	163.1	-0.6	2.5	0.56	0.56	0.00
Oils and fats	190.2	194.6	190.7	-2.0	0.3	0.32	0.31	-0.01
Snacks and confectionery	229.4	223.4	230.5	3.2	0.5	1.69	1.74	0.05
Other food products n.e.c.	168.3	173.5	169.0	-2.6	0.4	0.86	0.84	-0.02
Non-alcoholic beverages	180.0	185.2	185.5	0.2	3.1	2.09	2.09	0.00
Coffee, tea and cocoa	155.3	167.2	168.8	1.0	8.7	0.53	0.53	0.00
Waters, soft drinks and juices	187.1	189.7	189.5	-0.1	1.3	1.57	1.56	-0.01
Meals out and take away foods	206.9	210.8	212.2	0.7	2.6	9.87	9.94	0.07
Restaurant meals	207.1	210.6	211.4	0.4	2.1	5.10	5.12	0.02
Take away and fast foods	209.0	213.2	215.4	1.0	3.1	4.77	4.82	0.05
<b>Alcohol and tobacco</b>	307.0	315.7	318.8	1.0	3.8	12.95	13.08	0.13
Alcoholic beverages	204.4	208.2	209.6	0.7	2.5	8.62	8.68	0.06
Spirits	225.6	229.8	231.2	0.6	2.5	1.65	1.66	0.01
Wine	155.8	156.4	157.4	0.6	1.0	2.93	2.95	0.02
Beer	232.7	239.6	241.4	0.8	3.7	4.04	4.07	0.03
Tobacco	623.2	653.3	664.3	1.7	6.6	4.33	4.40	0.07
Tobacco	623.2	653.3	664.3	1.7	6.6	4.33	4.40	0.07
<b>Clothing and footwear</b>	108.7	107.7	109.3	1.5	0.6	7.03	7.14	0.11
Garments	104.7	102.0	104.0	2.0	-0.7	4.37	4.46	0.09
Garments for men	103.2	99.0	101.4	2.4	-1.7	1.27	1.30	0.03
Garments for women	104.9	103.2	105.1	1.8	0.2	2.57	2.62	0.05
Garments for infants and children	106.6	103.2	104.7	1.5	-1.8	0.53	0.54	0.01
Footwear	91.0	93.9	93.9	0.0	3.2	1.12	1.12	0.00
Footwear for men	86.8	85.5	85.4	-0.1	-1.6	0.25	0.25	0.00
Footwear for women	91.9	98.2	97.8	-0.4	6.4	0.65	0.65	0.00
Footwear for infants and children	98.7	96.6	98.1	1.6	-0.6	0.22	0.22	0.00
Accessories and clothing services(b)	128.9	130.3	131.7	1.1	2.2	1.54	1.56	0.02
Accessories(b)	110.9	112.0	113.4	1.3	2.3	1.33	1.34	0.01
Cleaning, repair and hire of clothing and footwear	211.6	214.4	215.7	0.6	1.9	0.22	0.22	0.00

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

(b) Base: June quarter 1998 = 100.0

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Jun Qtr 2011	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012	Jun Qtr 2011 to Jun Qtr 2012	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012
<b>Housing</b>	167.1	172.0	172.7	0.4	3.4	40.91	41.09	0.18
Rents	195.2	201.5	203.8	1.1	4.4	12.35	12.49	0.14
Rents	195.2	201.5	203.8	1.1	4.4	12.35	12.49	0.14
New dwelling purchase by owner-occupiers(b)	177.0	177.2	177.4	0.1	0.2	15.47	15.49	0.02
New dwelling purchase by owner-occupiers(b)	177.0	177.2	177.4	0.1	0.2	15.47	15.49	0.02
Other housing(b)	171.4	174.9	175.7	0.5	2.5	6.03	6.06	0.03
Maintenance and repair of the dwelling	186.2	186.3	187.8	0.8	0.9	3.66	3.68	0.02
Property rates and charges(b)	194.4	204.6	204.6	0.0	5.2	2.37	2.37	0.00
Utilities	254.5	279.5	279.4	0.0	9.8	7.06	7.06	0.00
Water and sewerage(b)	216.2	236.3	236.3	0.0	9.3	1.75	1.75	0.00
Electricity	248.4	277.2	274.9	-0.8	10.7	3.96	3.93	-0.03
Gas and other household fuels	256.0	270.4	276.5	2.3	8.0	1.35	1.38	0.03
<b>Furnishings, household equipment and services</b>	128.1	127.1	129.0	1.5	0.7	16.11	16.35	0.24
Furniture and furnishings	140.9	134.2	139.2	3.7	-1.2	3.25	3.37	0.12
Furniture	135.7	127.8	133.6	4.5	-1.5	2.75	2.87	0.12
Carpets and other floor coverings	161.2	162.8	162.0	-0.5	0.5	0.50	0.50	0.00
Household textiles	105.3	101.0	103.9	2.9	-1.3	1.05	1.08	0.03
Household textiles	105.3	101.0	103.9	2.9	-1.3	1.05	1.08	0.03
Household appliances, utensils and tools	102.0	99.9	99.2	-0.7	-2.7	2.49	2.47	-0.02
Major household appliances	100.7	97.0	96.0	-1.0	-4.7	0.86	0.85	-0.01
Small electric household appliances	94.8	93.2	92.5	-0.8	-2.4	0.41	0.41	0.00
Glassware, tableware and household utensils	94.5	93.3	93.0	-0.3	-1.6	0.75	0.75	0.00
Tools and equipment for house and garden	117.9	116.7	116.4	-0.3	-1.3	0.46	0.46	0.00
Non-durable household products	141.9	140.9	142.5	1.1	0.4	5.06	5.12	0.06
Cleaning and maintenance products	134.5	132.1	138.3	4.7	2.8	0.51	0.53	0.02
Personal care products	142.0	140.7	143.8	2.2	1.3	1.95	2.00	0.05
Other non-durable household products	153.4	152.9	152.3	-0.4	-0.7	2.60	2.59	-0.01
Domestic and household services	240.1	250.6	253.3	1.1	5.5	4.26	4.31	0.05
Child care	168.2	182.8	184.7	1.0	9.8	1.34	1.35	0.01
Hairdressing and personal grooming services	214.5	217.4	218.9	0.7	2.1	1.63	1.65	0.02
Other household services	272.5	283.6	288.1	1.6	5.7	1.29	1.31	0.02
<b>Health</b>	277.4	283.2	287.5	1.5	3.6	9.63	9.77	0.14
Medical products, appliances and equipment	172.5	176.8	174.1	-1.5	0.9	2.41	2.37	-0.04
Pharmaceutical products	176.1	180.2	177.2	-1.7	0.6	2.14	2.11	-0.03
Therapeutic appliances and equipment	153.4	159.6	158.7	-0.6	3.5	0.27	0.27	0.00
Medical, dental and hospital services	321.9	328.1	336.4	2.5	4.5	7.22	7.40	0.18
Medical and hospital services	332.3	337.9	347.5	2.8	4.6	6.19	6.37	0.18
Dental services	272.8	282.3	284.0	0.6	4.1	1.03	1.03	0.00
<b>Transport</b>	172.4	174.5	176.1	0.9	2.1	20.85	21.04	0.19
Private motoring	167.9	169.4	171.2	1.1	2.0	19.46	19.66	0.20
Motor vehicles	95.4	92.9	93.9	1.1	-1.6	5.64	5.70	0.06
Spare parts and accessories for motor vehicles	142.5	142.8	143.2	0.3	0.5	1.77	1.78	0.01
Automotive fuel	245.6	250.0	251.7	0.7	2.5	6.44	6.49	0.05
Maintenance and repair of motor vehicles	165.3	173.1	173.7	0.3	5.1	3.12	3.13	0.01
Other services in respect of motor vehicles	269.2	278.2	286.5	3.0	6.4	2.49	2.56	0.07
Urban transport fares	255.9	269.0	269.1	0.0	5.2	1.39	1.39	0.00
Urban transport fares	255.9	269.0	269.1	0.0	5.2	1.39	1.39	0.00

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

(b) Base: June quarter 1998 = 100.0

Group, sub-group and expenditure class	INDEX NUMBERS(a)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	Jun Qtr 2011	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012	Jun Qtr 2011 to Jun Qtr 2012	Mar Qtr 2012	Jun Qtr 2012	Mar Qtr 2012 to Jun Qtr 2012
<b>Communication</b>	112.7	114.0	113.7	-0.3	0.9	5.50	5.48	-0.02
Communication	112.7	114.0	113.7	-0.3	0.9	5.50	5.48	-0.02
Postal services	168.9	172.9	176.1	1.9	4.3	0.22	0.23	0.01
Telecommunication equipment and services	109.6	110.7	110.3	-0.4	0.6	5.27	5.25	-0.02
<b>Recreation and culture</b>	135.2	134.8	133.1	-1.3	-1.6	22.34	22.05	-0.29
Audio, visual and computing equipment and services	45.1	41.7	40.7	-2.4	-9.8	4.18	4.08	-0.10
Audio, visual and computing equipment	12.0	10.5	10.1	-3.8	-15.8	2.44	2.34	-0.10
Audio, visual and computing media and services	92.0	91.8	91.3	-0.5	-0.8	1.74	1.73	-0.01
Newspapers, books and stationery	199.3	198.9	200.3	0.7	0.5	1.91	1.93	0.02
Books(b)	132.6	131.9	132.5	0.5	-0.1	0.70	0.70	0.00
Newspapers, magazines and stationery(b)	136.7	136.7	137.8	0.8	0.8	1.21	1.22	0.01
Holiday travel and accommodation	146.4	150.3	146.8	-2.3	0.3	8.71	8.51	-0.20
Domestic holiday travel and accommodation	154.3	165.0	158.4	-4.0	2.7	4.70	4.52	-0.18
International holiday travel and accommodation	136.5	133.9	133.4	-0.4	-2.3	4.01	3.99	-0.02
Other recreation, sport and culture	195.6	197.0	197.0	0.0	0.7	7.53	7.53	0.00
Equipment for sports, camping and open-air recreation(b)	82.0	80.2	80.2	0.0	-2.2	1.06	1.06	0.00
Games, toys and hobbies(b)	93.3	88.9	87.7	-1.3	-6.0	1.33	1.31	-0.02
Pets and related products	198.1	202.1	203.3	0.6	2.6	0.69	0.69	0.00
Veterinary and other services for pets	249.7	259.0	259.6	0.2	4.0	0.74	0.74	0.00
Sports participation(b)	182.9	188.2	188.9	0.4	3.3	1.72	1.73	0.01
Other recreational, sporting and cultural services(b)	181.4	186.4	187.0	0.3	3.1	2.00	2.00	0.00
<b>Education</b>	332.2	352.2	352.3	0.0	6.1	6.02	6.02	0.00
Education	332.2	352.2	352.3	0.0	6.1	6.02	6.02	0.00
Preschool and primary education(c)	186.8	197.1	197.4	0.2	5.7	0.99	0.99	0.00
Secondary education(c)	205.0	220.8	220.8	0.0	7.7	2.41	2.41	0.00
Tertiary education(c)	154.9	162.2	162.2	0.0	4.7	2.62	2.62	0.00
<b>Insurance and financial services(d)</b>	115.4	118.1	118.7	0.5	2.9	9.27	9.32	0.05
Insurance	340.5	359.7	364.3	1.3	7.0	2.64	2.68	0.04
Insurance	340.5	359.7	364.3	1.3	7.0	2.64	2.68	0.04
Financial services(e)	100.0	101.0	101.3	0.3	1.3	6.63	6.64	0.01
Deposit and loan facilities (direct charges)(e)	100.0	99.9	100.1	0.2	0.1	1.35	1.35	0.00
Other financial services(d)	114.4	115.9	116.2	0.3	1.6	5.28	5.29	0.01
<b>All groups CPI</b>	<b>178.3</b>	<b>179.5</b>	<b>180.4</b>	<b>0.5</b>	<b>1.2</b>	<b>179.5</b>	<b>180.4</b>	<b>0.9</b>

(a) Unless otherwise specified, base of each index: 1989-90 = 100.0.

(b) Base: June quarter 1998 = 100.0

(c) Base: June quarter 2000 = 100.0.

(d) Base: June quarter 2005 = 100.0.

(e) Base: June quarter 2011 = 100.0.

	INDEX NUMBERS(b)			PERCENTAGE CHANGE		CONTRIBUTION TO TOTAL CPI (ALL GROUPS CPI INDEX POINTS)		CHANGE IN POINTS CONTRIBUTION
	<i>Jun Qtr</i>	<i>Mar Qtr</i>	<i>Jun Qtr</i>	<i>Mar Qtr 2012 to</i>	<i>Jun Qtr 2011 to</i>	<i>Mar Qtr</i>	<i>Jun Qtr</i>	<i>Mar Qtr 2012 to</i>
	<i>2011</i>	<i>2012</i>	<i>2012</i>	<i>Jun Qtr 2012</i>	<i>Jun Qtr 2012</i>	<i>2012</i>	<i>2012</i>	<i>Jun Qtr 2012</i>
<b>All groups CPI</b>	178.3	179.5	180.4	0.5	1.2	179.5	180.4	0.9
<b>All groups CPI, seasonally adjusted</b>	178.3	r179.3	180.4	0.6	1.2	..	..	..
<b>Underlying trend series</b>								
Trimmed mean(c)	130.9	r132.8	133.5	0.5	2.0	..	..	..
Weighted median(c)	r133.8	r135.5	136.4	0.7	1.9	..	..	..
<b>International trade exposure series</b>								
Tradables(d)	128.8	125.3	126.2	0.7	-2.0	69.14	69.65	0.51
Non-tradables(d)	163.7	168.5	169.1	0.4	3.3	110.33	110.76	0.43
<b>Goods and services series</b>								
Goods component	174.8	173.1	174.1	0.6	-0.4	103.08	103.67	0.59
Services component	184.8	190.2	191.1	0.5	3.4	76.39	76.74	0.35
<b>All groups CPI including</b>								
Deposit and loan facilities (indirect charges)	178.3	179.3	180.2	0.5	1.1	..	..	..
<b>Market goods and services excluding 'volatile items'</b>								
Goods	162.4	161.5	162.3	0.5	-0.1	83.51	83.91	0.40
Services	193.1	197.8	198.1	0.2	2.6	55.07	55.14	0.07
Total	171.9	173.0	173.6	0.3	1.0	138.58	139.06	0.48
<b>All groups CPI excluding</b>								
Food and non-alcoholic beverages	173.8	176.5	177.4	0.5	2.1	150.60	151.35	0.75
Alcohol and tobacco	170.1	170.9	171.7	0.5	0.9	166.52	167.32	0.80
Clothing and footwear	182.7	184.1	184.9	0.4	1.2	172.44	173.27	0.83
Housing	177.6	177.6	178.6	0.6	0.6	138.56	139.31	0.75
Furnishings, household equipment and services	185.6	187.1	187.9	0.4	1.2	163.36	164.06	0.70
Health	173.9	174.9	175.7	0.5	1.0	169.84	170.63	0.79
Transport	179.3	180.3	181.1	0.4	1.0	158.62	159.36	0.74
Communication	180.1	181.3	182.3	0.6	1.2	173.97	174.92	0.95
Recreation and culture	184.6	186.1	187.6	0.8	1.6	157.13	158.35	1.22
Education	176.2	177.0	178.0	0.6	1.0	173.45	174.38	0.93
Insurance and financial services	186.6	187.6	188.6	0.5	1.1	170.20	171.08	0.88
Housing, Insurance and financial services	178.2	177.9	178.9	0.6	0.4	129.29	129.99	0.70
Medical and hospital services	174.7	175.8	176.5	0.4	1.0	173.28	174.03	0.75
Food and energy	168.0	170.1	171.0	0.5	1.8	143.95	144.67	0.72
'Volatile items'	184.0	186.7	187.5	0.4	1.9	169.10	169.81	0.71

.. 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, base of each index: 1989-90 = 100.0.

(c) Base: June quarter 2002 = 100.0.

(d) Base: June quarter 1998 = 100.0.

INTERNATIONAL COMPARISONS, All groups CPI excluding Housing and Insurance and financial services—Index numbers(a)

<i>Period</i>	<i>Australia</i>	<i>New Zealand</i>	<i>Hong Kong</i>	<i>Indonesia</i>	<i>Japan</i>	<i>Korea, Republic of</i>	<i>Singapore</i>	<i>Taiwan</i>	<i>Canada</i>	<i>United States of America</i>	<i>Germany</i>	<i>United Kingdom</i>
<b>2008-09</b>	167.8	147.7	173.1	831.7	107.9	233.0	137.0	146.6	147.6	163.7	140.1	168.6
<b>2009-10</b>	171.1	150.5	175.5	862.2	105.9	238.8	138.6	146.6	149.5	166.0	141.2	175.4
<b>2010-11</b>	175.4	156.5	182.3	920.6	105.9	248.0	144.2	148.4	153.4	170.7	143.3	185.3
<b>2011-12</b>	178.4	159.6	188.5	962.7	105.9	255.5	149.2	150.7	157.0	176.3	146.0	194.9
<b>2008</b>												
June	166.6	145.8	175.1	804.4	108.1	228.7	137.1	146.2	148.2	166.7	139.9	166.5
September	167.7	148.2	175.8	827.9	109.4	231.8	137.7	148.9	149.5	169.2	140.9	168.6
December	166.6	147.0	172.9	832.6	108.4	231.2	138.6	149.0	146.5	162.2	139.8	168.1
<b>2009</b>												
March	167.9	147.4	172.0	833.9	106.8	233.2	136.5	143.7	146.0	160.6	139.6	167.4
June	169.0	148.3	171.6	832.4	106.8	235.7	135.1	144.7	148.4	162.8	140.2	170.2
September	169.7	150.4	172.3	850.8	106.5	236.9	136.6	146.9	148.8	164.4	140.7	171.7
December	170.4	150.2	174.9	854.6	105.9	237.1	138.0	146.9	149.0	165.4	141.0	173.9
<b>2010</b>												
March	171.5	150.7	177.0	864.2	105.5	239.5	138.9	146.0	149.7	166.5	141.2	176.1
June	172.6	150.8	177.8	879.0	105.8	241.8	140.7	146.5	150.5	167.6	141.7	179.8
September	173.1	152.5	178.4	905.1	105.6	243.9	142.1	147.1	151.1	167.7	142.2	180.3
December	173.8	156.3	180.5	921.2	106.1	246.0	143.1	148.8	152.2	168.4	142.7	182.9
<b>2011</b>												
March	176.4	157.8	184.1	926.7	105.6	250.4	145.4	148.2	153.8	171.2	143.6	186.9
June	178.2	159.3	186.3	929.5	106.2	251.8	146.1	149.4	156.5	175.3	144.6	190.9
September	178.6	159.7	186.4	950.6	105.9	255.4	148.0	149.3	156.6	175.8	145.3	192.0
December	178.2	159.0	188.4	958.3	105.7	254.4	149.1	151.2	156.8	175.1	145.4	194.4
<b>2012</b>												
March	177.9	159.7	190.6	966.6	106.0	255.9	150.5	150.2	157.7	176.6	146.3	195.4
June	178.9	159.9	nya	975.2	nya	256.1	nya	152.1	nya	177.8	147.1	197.6

nya not yet available

(a) Base of each index: 1989-90 = 100.0.

<i>Period</i>	<i>Australia</i>	<i>New Zealand</i>	<i>Hong Kong</i>	<i>Indonesia</i>	<i>Japan</i>	<i>Korea, Republic of</i>	<i>Singapore</i>	<i>Taiwan</i>	<i>Canada</i>	<i>United States of America</i>	<i>Germany</i>	<i>United Kingdom</i>
PERCENTAGE CHANGE (from previous year)												
<b>2008-09</b>	2.4	3.1	1.1	8.9	0.6	4.4	2.1	1.5	1.2	1.2	1.0	3.8
<b>2009-10</b>	2.0	1.9	1.4	3.7	-1.9	2.5	1.2	0.0	1.3	1.4	0.8	4.0
<b>2010-11</b>	2.5	4.0	3.9	6.8	0.0	3.9	4.0	1.2	2.6	2.8	1.5	5.6
<b>2011-12</b>	1.7	2.0	3.4	4.6	0.0	3.0	3.5	1.5	2.3	3.3	1.9	5.2

PERCENTAGE CHANGE (from corresponding quarter of previous year)

<b>2008</b>												
June	3.3	3.7	5.7	13.2	1.6	4.9	6.8	4.2	1.6	5.2	2.5	4.3
September	3.8	5.3	5.0	13.6	2.6	5.6	5.0	5.4	2.8	6.8	2.6	5.9
December	2.4	3.0	2.1	11.4	1.1	4.7	4.1	1.9	1.2	1.3	1.1	4.3
<b>2009</b>												
March	2.1	2.7	-0.5	7.8	-0.3	4.2	0.7	-0.1	0.7	-0.8	0.5	3.0
June	1.4	1.7	-2.0	3.5	-1.2	3.1	-1.5	-1.0	0.1	-2.3	0.1	2.2
September	1.2	1.5	-2.0	2.8	-2.7	2.2	-0.8	-1.3	-0.5	-2.8	-0.1	1.8
December	2.3	2.2	1.2	2.6	-2.3	2.6	-0.4	-1.4	1.7	2.0	0.9	3.5
<b>2010</b>												
March	2.1	2.2	2.9	3.6	-1.2	2.7	1.8	1.6	2.5	3.7	1.1	5.2
June	2.1	1.7	3.6	5.6	-0.9	2.6	4.1	1.2	1.4	2.9	1.1	5.6
September	2.0	1.4	3.5	6.4	-0.8	3.0	4.0	0.1	1.5	2.0	1.1	5.0
December	2.0	4.1	3.2	7.8	0.2	3.8	3.7	1.3	2.1	1.8	1.2	5.2
<b>2011</b>												
March	2.9	4.7	4.0	7.2	0.1	4.6	4.7	1.5	2.7	2.8	1.7	6.1
June	3.2	5.6	4.8	5.7	0.4	4.1	3.8	2.0	4.0	4.6	2.0	6.2
September	3.2	4.7	4.5	5.0	0.3	4.7	4.2	1.5	3.6	4.8	2.2	6.5
December	2.5	1.7	4.4	4.0	-0.4	3.4	4.2	1.6	3.0	4.0	1.9	6.3
<b>2012</b>												
March	0.9	1.2	3.5	4.3	0.4	2.2	3.5	1.3	2.5	3.2	1.9	4.5
June	0.4	0.4	nya	4.9	nya	1.7	nya	1.8	nya	1.4	1.7	3.5

PERCENTAGE CHANGE (from previous quarter)

<b>2008</b>												
June	1.3	1.6	1.3	4.0	0.9	2.2	1.2	1.6	2.2	3.0	0.6	2.4
September	0.7	1.6	0.4	2.9	1.2	1.4	0.4	1.8	0.9	1.5	0.7	1.3
December	-0.7	-0.8	-1.6	0.6	-0.9	-0.3	0.7	0.1	-2.0	-4.1	-0.8	-0.3
<b>2009</b>												
March	0.8	0.3	-0.5	0.2	-1.5	0.9	-1.5	-3.6	-0.3	-1.0	-0.1	-0.4
June	0.7	0.6	-0.2	-0.2	0.0	1.1	-1.0	0.7	1.6	1.4	0.4	1.7
September	0.4	1.4	0.4	2.2	-0.3	0.5	1.1	1.5	0.3	1.0	0.4	0.9
December	0.4	-0.1	1.5	0.4	-0.6	0.1	1.0	0.0	0.1	0.6	0.2	1.3
<b>2010</b>												
March	0.6	0.3	1.2	1.1	-0.4	1.0	0.7	-0.6	0.5	0.7	0.1	1.3
June	0.6	0.1	0.5	1.7	0.3	1.0	1.3	0.3	0.5	0.7	0.4	2.1
September	0.3	1.1	0.3	3.0	-0.2	0.9	1.0	0.4	0.4	0.1	0.4	0.3
December	0.4	2.5	1.2	1.8	0.5	0.9	0.7	1.2	0.7	0.4	0.4	1.4
<b>2011</b>												
March	1.5	1.0	2.0	0.6	-0.5	1.8	1.6	-0.4	1.1	1.7	0.6	2.2
June	1.0	1.0	1.2	0.3	0.6	0.6	0.5	0.8	1.8	2.4	0.7	2.1
September	0.2	0.3	0.1	2.3	-0.3	1.4	1.3	-0.1	0.1	0.3	0.5	0.6
December	-0.2	-0.4	1.1	0.8	-0.2	-0.4	0.7	1.3	0.1	-0.4	0.1	1.3
<b>2012</b>												
March	-0.2	0.4	1.2	0.9	0.3	0.6	0.9	-0.7	0.6	0.9	0.6	0.5
June	0.6	0.1	nya	0.9	nya	0.1	nya	1.3	nya	0.7	0.5	1.1

nya not yet available

## 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 2006 Australian Standard Geographical Classification (ASGC) statistical divisions. 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 *Australian Consumer Price Index: Concepts, Sources and Methods, 2011* (cat. no. 6461.0). An updated version reflecting the changes made during the 16th series review was released on 19 December 2011.

### 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 milk, bread, fresh meat and seafood, fresh fruit and vegetables, alcohol, tobacco, women's outerwear, project homes, motor vehicles, petrol and holiday travel and accommodation. 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 16th 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 been made at approximately six yearly intervals to take account of changes in household spending patterns. The CPI now comprises sixteen 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 cities are published in *Consumer Price Index: Historical Weighting Patterns (1948 to 2011)* (cat. no. 6431.0). The 16th 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

## EXPLANATORY NOTES *continued*

### WEIGHTING PATTERN *continued*

*Consumer Price Index: 16th Series Weighting Pattern* (cat. no. 6471.0). 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:

June Quarter 2012      180.4 (see Table 1)

less June Quarter 2011   178.3 (see Table 1)

Change in index points   2.1

Percentage change       $2.1/178.3 \times 100 = 1.2\%$  (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 2.03 index points to the total All groups index number of 180.4 for the June Quarter 2012. 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.
- *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:
  - Where CPI expenditure classes are identified as having a seasonal pattern, quarterly price changes are estimated on a seasonally adjusted basis. In the 16th series, 62 out of the 87 expenditure classes are classified as seasonal. A description of which series are seasonal is published in Appendix 1 of the September quarter 2011 issue of *Consumer Price Index, Australia* (cat. no 6401.0).
  - 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.

## EXPLANATORY NOTES *continued*

### ANALYTICAL SERIES *continued*

- 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 Appendix 1 of the September quarter 2011 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 16th series. There were five changes of classification. 'Cakes and biscuits' and 'Jams, honey and spreads' were reclassified from non-tradable to tradable. 'Waters, soft drinks and juices', 'Newspapers, magazines and stationery' and 'Pets and related products' were reclassified from tradable to non-tradable. A description of which series are tradable or non-tradable is published in Appendix 1 of the September quarter 2011 issue of *Consumer Price Index, Australia* (cat. no 6401.0). These changes are included from the September quarter 2011. The historical tradable and non-tradable series will not be revised.

### ROUNDING

**13** The published index numbers have been rounded to one decimal place, and the percentage changes (also rounded to one decimal place) are calculated from the rounded index numbers. In some cases, this can result in the percentage change for the total level of a group of indexes being outside the range of the percentage changes for the component level indexes. Seasonally adjusted estimates are calculated from rounded index numbers. The underlying trend estimates, Trimmed mean and Weighted median, are calculated from unrounded component series. The percentage changes for the seasonal and underlying series (rounded to one decimal place) are calculated from the rounded index numbers.

### 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 the combined adjustment factors for the previous quarter and for the same quarter in

## EXPLANATORY NOTES *continued*

### SEASONALLY ADJUSTED INDEXES *continued*

the preceding year as the reference quarter (i.e. if the latest quarter is September quarter 2011 then the most significant revisions will be to June quarter 2011 and September quarter 2010). 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** 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 15 – CPI expenditure class, seasonally adjusted index numbers, weighted average of eight capital cities. The seasonal factors used to derive these seasonally adjusted indexes are available in Table 16 – 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

**17** 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.

**18** Table 9 presents indexes for selected countries on a basis consistent with the above resolution and comparable to the Australian series 'All groups excluding Housing and Insurance and financial services' (see paragraph 11). However, other than Australia and New Zealand, the countries represented in this table are yet to develop indexes on this basis, so the indexes presented here are consistent with the series previously published for All groups excluding Housing. To facilitate comparisons, all indexes in this table have been converted, where necessary, to a quarterly basis and re-referenced to an index reference period of 1989–90 = 100.0. Index numbers and percentage changes are always published to one decimal place, and the percentage changes are calculated from the rounded index numbers. Index numbers for periods longer than a single quarter (e.g. for financial years) are calculated as the simple arithmetic average of the rounded quarterly index numbers.

**19** In producing Table 9, the ABS is grateful for the assistance of the relevant national statistical agencies which have either directly supplied indexes for all items excluding housing and insurance and financial services or data to enable their derivation.

### REVISIONS

**20** 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 16).

### RELATED PUBLICATIONS

**21** 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.

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

## EXPLANATORY NOTES *continued*

### RELATED PUBLICATIONS

*continued*

- *A Guide to the Consumer Price Index, 16th Series* (cat. no. 6440.0)
- *Australian Consumer Price Index: Concepts, Sources and Methods, 2011* (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: Concordance 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)
- *Pensioner and Beneficiary Living Cost Index* (cat. no. 6467.0)
- *House 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)
- *Labour Price Index, Australia* (cat. no. 6345.0)

### DATA AVAILABLE

**23** 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.

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