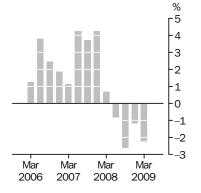


HOUSE PRICE INDEXES: EIGHT CAPITAL CITIES

EMBARGO: 11.30AM (CANBERRA TIME) MON 4 MAY 2009

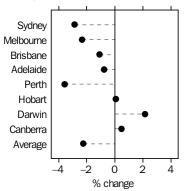
Established house prices

Weighted average of eight capital cities Quarterly % change



Established house prices

Quarterly % change March quarter 2009



INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Mark Dubner on Sydney (02) 9268 4448.

KEY FIGURES

ESTABLISHED HOUSE PRICES	Dec Qtr 08 to Mar Qtr 09 % change	Mar Qtr 08 to Mar Qtr 09 % change
Weighted average of eight capital cities	-2.2	-6.7
Sydney	-2.9	-7.3
Melbourne	-2.3	-6.7
Brisbane	-1.1	-6.3
Adelaide	-0.8	-1.9
Perth	-3.6	-10.1
Hobart	0.1	0.6
Darwin	2.2	10.8
Canberra	0.5	-5.1

KEY POINTS

ESTABLISHED HOUSE PRICES

QUARTERLY CHANGES

- Preliminary estimates show the price index for established houses for the weighted average of the eight capital cities decreased 2.2% in the March quarter 2009.
- The main contributors to the decrease were Sydney (-2.9%), Melbourne (-2.3%), Perth (-3.6%), Brisbane (-1.1%) and Adelaide (-0.8%). These decreases were partially offset by increases in Darwin (+2.2%), Canberra (+0.5%) and Hobart (+0.1%).
- The movement in the preliminary established house price index between September and December quarters 2008 has been revised from an estimated decrease of 0.8% to an estimated decrease of 1.2%.

ANNUAL CHANGES (MARCH QUARTER 2008 TO MARCH QUARTER 2009)

- Over the year to March 2009, preliminary estimates show that the price index for established houses for the weighted average of the eight capital cities decreased 6.7%.
- Annually, house prices rose in Darwin (+10.8%) and Hobart (+0.6%), and fell in Perth (-10.1%), Sydney (-7.3%), Melbourne (-6.7%), Brisbane (-6.3%), Canberra (-5.1%), and Adelaide (-1.9%).
- The movement in the preliminary established house price index between December quarters 2008 and 2009 has been revised from an estimated decrease of 3.3% to an estimated decrease of 3.9%.

NOTES

FORTHCOMING ISSUES ISSUE (Quarter) RELEASE DATE

> June 2009 4 August 2009 September 2009 2 November 2009 December 2009 1 February 2010 March 2010 3 May 2010

CHANGES IN THIS ISSUE There are no changes in this issue.

CHANGES TO TIME From this issue onwards, Table 9, Revisions to established house price index series, is SERIES SPREADSHEETS

presented in time series spreadsheet format on the ABS website, rather than as a data

cube.

REVISIONS Estimates for the two most recent quarters of the established house price index series

are preliminary and are subject to revision (see paragraphs 12 and 13 of the Explanatory

Notes).

Brian Pink

Australian Statistician

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ESTABLISHED HOUSE PRICE INDEX NUMBERS(a)(b)

	Cudnay	Malhaurra	Drighana	Adoloido	Do with	Uobout	Donvin	Conhave	Weighted average of eight capital
Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	cities
• • • • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •
2005–06	93.3	106.4	108.2	111.2	145.7	119.7	138.8	103.5	105.1
2006–07	95.5	117.2	119.2	119.7	192.8	131.1	160.7	113.5	115.5
2007–08	101.9	139.9	141.8	143.4	194.8	142.2	175.2	127.1	129.0
2005									
September	92.7	103.4	105.6	108.2	127.7	114.8	128.5	100.2	101.7
December	93.5	105.4	107.8	110.7	137.3	118.5	135.3	102.8	104.0
2006									
March	92.5	106.9	108.6	112.2	148.2	120.8	141.1	104.0	105.3
June	94.3	110.0	110.9	113.8	169.6	124.6	150.3	107.0	109.3
September	94.4	112.0	112.7	114.5	188.4	127.1	152.3	110.0	112.0
December	94.8	114.8	115.6	117.6	194.8	129.2	159.7	111.8	114.1
2007									
March	94.6	116.7	120.4	119.7	195.8	132.8	164.5	113.5	115.4
June	98.2	125.1	128.1	126.9	192.1	135.4	166.3	118.5	120.3
September	100.7	131.5	134.3	134.6	195.5	139.0	170.8	124.5	124.8
December	103.1	141.3	141.3	143.7	197.6	144.8	177.3	128.2	130.1
2008									
March	102.5	143.6	145.4	148.2	195.3	141.9	174.8	129.1	131.0
June	101.1	143.2	146.1	147.0	190.8	143.1	177.7	126.7	129.9
September	r98.8	r138.5	r140.5	r146.9	r186.6	r139.7	r181.9	r122.3	r126.5
December	p97.8	p137.2	p137.8	p146.5	p182.0	p142.7	p189.6	p121.9	p125.0
2009									
March	p95.0	p134.0	p136.3	p145.4	p175.5	p142.8	p193.7	p122.5	p122.2

p preliminary figure or series subject to revision

r revised

⁽a) Reference base of each index: 2003-04 = 100.0.

⁽b) Estimates for the two most recent quarters are experimental (see paragraphs 12 and 13 of the Explanatory Notes).

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
• • • • • • • • • •		PERCENTA	GE CHAN					• • • • • • •	• • • • • • •
2005-06	-2.9	4.4	3.8	4.4	27.4	7.1	19.8	3.6	3.9
2006–07	2.4	10.2	10.2	7.6	32.3	9.5	15.8	9.7	9.9
2007–08	6.7	19.4	19.0	19.8	1.0	8.5	9.0	12.0	11.7
PERCENTAGE CHANGE (from corresponding quarter of previous year)									
2005				•		•	•	,	
September	-4.5	3.7	2.9	3.5	19.5	5.7	18.8	1.5	1.7
December	-4.2	2.9	3.7	3.9	22.8	6.4	20.1	2.5	2.3
2006	7.2	2.5	5.1	0.0	22.0	0.4	20.1	2.5	2.0
March	-3.1	4.8	3.6	4.9	27.4	7.4	17.5	3.4	3.9
June	0.1	6.4	5.1	5.6	38.4	8.8	22.6	7.0	7.3
September	1.8	8.3	6.7	5.8	47.5	10.7	18.5	9.8	10.1
December	1.4	8.9	7.2	6.2	41.9	9.0	18.0	8.8	9.7
2007	1.4	0.9	1.2	0.2	41.9	9.0	10.0	0.0	5.1
March	2.3	9.2	10.9	6.7	32.1	9.9	16.6	9.1	9.6
June	4.1	13.7	15.5	11.5	13.3	8.7	10.6	10.7	10.1
September	6.7	17.4	19.2	17.6	3.8	9.4	12.1	13.2	11.4
December	8.8	23.1	22.2	22.2	1.4	12.1	11.0	14.7	14.0
2008	0.0	20.1	22.2	22.2	1.4	12.1	11.0	17.1	14.0
March	8.4	23.1	20.8	23.8	-0.3	6.9	6.3	13.7	13.5
June	3.0	14.5	14.1	15.8	-0.7	5.7	6.9	6.9	8.0
September	r–1.9	r5.3	r4.6	r9.1	r–4.6	r0.5	r6.5	r–1.8	r1.4
December	p-5.1	p-2.9	p-2.5	p1.9	p-7.9	p-1.5	p6.9	p-4.9	p-3.9
2009	р О.1	p 2.0	p 2.0	p±.0	p 1.0	p 1.0	p0.0	р	p 0.0
March	p-7.3	p-6.7	p-6.3	p-1.9	p-10.1	p0.6	p10.8	p-5.1	p-6.7
		PERCE	NTAGE CH	HANGE (fi	om previ	ious quar	ter)		
2005									
September	-1.6	0.0	0.1	0.4	4.2	0.3	4.8	0.2	-0.2
December	0.9	1.9	2.1	2.3	7.5	3.2	5.3	2.6	2.3
2006									
March	-1.1	1.4	0.7	1.4	7.9	1.9	4.3	1.2	1.3
June	1.9	2.9	2.1	1.4	14.4	3.1	6.5	2.9	3.8
September	0.1	1.8	1.6	0.6	11.1	2.0	1.3	2.8	2.5
December	0.4	2.5	2.6	2.7	3.4	1.7	4.9	1.6	1.9
2007									
March	-0.2	1.7	4.2	1.8	0.5	2.8	3.0	1.5	1.1
June	3.8	7.2	6.4	6.0	-1.9	2.0	1.1	4.4	4.2
September	2.5	5.1	4.8	6.1	1.8	2.7	2.7	5.1	3.7
December	2.4	7.5	5.2	6.8	1.1	4.2	3.8	3.0	4.2
2008									
March	-0.6	1.6	2.9	3.1	-1.2	-2.0	-1.4	0.7	0.7
June	-1.4	-0.3	0.5	-0.8	-2.3	0.8	1.7	-1.9	-0.8
September	r-2.3	r–3.3	r–3.8	r-0.1	r-2.2	r-2.4	r2.4	r-3.5	r-2.6
December	p-1.0	p-0.9	p-1.9	p-0.3	p-2.5	p2.1	p4.2	p-0.3	p-1.2
2009		•	·	•		•	•	•	
March	p-2.9	p-2.3	p-1.1	p-0.8	p-3.6	p0.1	p2.2	p0.5	p-2.2

preliminary figure or series subject to revision

revised

⁽a) Estimates for the two most recent quarters are experimental (see paragraphs 12 and 13 of the Explanatory Notes).

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
2005-06	107.7	105.9	107.4	106.2	130.3	116.8	119.8	105.4	110.3
2006-07	108.1	105.9	111.9	108.4	144.1	120.3	135.6	108.4	113.3
2007-08	112.3	111.2	121.2	113.8	148.7	126.7	144.7	112.4	118.8
2005									
September	107.4	106.2	106.3	105.2	122.7	115.4	114.7	103.7	109.1
December	107.7	106.3	107.2	105.7	127.8	115.4	117.3	104.9	110.0
2006									
March	107.5	105.3	107.2	106.4	132.7	117.7	121.0	105.9	110.4
June	108.0	105.9	108.8	107.3	137.9	118.8	126.0	106.9	111.7
September	107.9	104.2	109.0	107.9	142.0	119.1	130.3	107.6	111.9
December	107.6	105.8	109.6	107.9	143.3	119.1	135.8	108.3	112.6
2007									
March	108.1	106.5	113.4	107.9	144.7	120.0	137.7	108.7	113.7
June	108.9	107.1	115.5	110.0	146.3	123.1	138.7	109.1	114.9
September	110.3	108.2	116.9	111.4	147.6	125.2	142.6	110.9	116.2
December	110.9	110.4	120.6	112.1	148.3	126.5	144.1	112.1	117.8
2008									
March	113.2	112.9	122.8	114.9	148.8	126.7	145.4	112.5	119.9
June	114.8	113.3	124.6	116.6	150.0	128.4	146.7	113.9	121.1
September	115.9	114.0	127.5	119.0	152.5	129.7	149.2	118.3	122.8
December	116.7	112.4	128.9	120.6	154.0	129.7	151.9	118.2	123.1
2009									
March	116.7	111.1	127.9	120.7	153.4	129.7	154.2	118.2	122.5
• • • • • • • • •									

⁽a) Reference base of each index: 2003-04 = 100.0.

Period	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Weighted average of eight capital cities
	F	PERCENTA	GE CHAN						
2005-06	2.3	2.5	1.8	2.5	16.4	4.7	9.4	3.3	4.0
2006–07	0.4	0.0	4.2	2.1	10.6	3.0	13.2	2.8	2.7
2007–08	3.9	5.0	8.3	5.0	3.2	5.3	6.7	3.7	4.9
Pi	ERCENT	AGE CHAN		n corresp					• • • • • • •
2005									
September	4.2	3.7	2.4	2.9	16.1	9.0	7.3	2.1	5.3
December	2.8	3.5	1.5	1.8	16.7	3.5	9.0	3.2	4.4
2006									
March	1.3	1.2	1.1	2.2	16.2	3.2	9.9	4.0	3.1
June	0.9	1.8	2.2	2.8	16.6	3.2	11.3	3.9	3.2
September	0.5	-1.9	2.5	2.6	15.7	3.2	13.6	3.8	2.6
December	-0.1	-0.5	2.2	2.1	12.1	3.2	15.8	3.2	2.4
2007									
March	0.6	1.1	5.8	1.4	9.0	2.0	13.8	2.6	3.0
June	0.8	1.1	6.2	2.5	6.1	3.6	10.1	2.1	2.9
September	2.2	3.8	7.2	3.2	3.9	5.1	9.4	3.1	3.8
December	3.1	4.3	10.0	3.9	3.5	6.2	6.1	3.5	4.6
2008	0.1		10.0	0.0	0.0	0.2	0.1	0.0	
March	4.7	6.0	8.3	6.5	2.8	5.6	5.6	3.5	5.5
June	5.4	5.8	7.9	6.0	2.5	4.3	5.8	4.4	5.4
September	5.1	5.4	9.1	6.8	3.3	3.6	4.6	6.7	5.7
December	5.2	1.8	6.9	7.6	3.8	2.5	5.4	5.4	4.5
2009	5.2	1.0	0.5	1.0	3.0	2.0	5.4	5.4	4.5
March	3.1	-1.6	4.2	5.0	3.1	2.4	6.1	5.1	2.2
		PERCEI	NTAGE CH	HANGE (fr	om previ	ous quar	ter)		
2005									
September	0.4	2.1	-0.2	0.8	3.7	0.3	1.3	0.8	0.8
December	0.3	0.1	0.8	0.5	4.2	0.0	2.3	1.2	0.8
2006									
March	-0.2	-0.9	0.0	0.7	3.8	2.0	3.2	1.0	0.4
June	0.5	0.6	1.5	0.8	3.9	0.9	4.1	0.9	1.2
September	-0.1	-1.6	0.2	0.6	3.0	0.3	3.4	0.7	0.2
December	-0.3	1.5	0.6	0.0	0.9	0.0	4.2	0.7	0.6
2007									
March	0.5	0.7	3.5	0.0	1.0	0.8	1.4	0.4	1.0
June	0.7	0.6	1.9	1.9	1.1	2.6	0.7	0.4	1.1
September	1.3	1.0	1.2	1.3	0.9	1.7	2.8	1.6	1.1
December	0.5	2.0	3.2	0.6	0.5	1.0	1.1	1.1	1.4
2008									=- '
March	2.1	2.3	1.8	2.5	0.3	0.2	0.9	0.4	1.8
June	1.4	0.4	1.5	1.5	0.8	1.3	0.9	1.2	1.0
September	1.0	0.4	2.3	2.1	1.7	1.0	1.7	3.9	1.4
December	0.7	-1.4	1.1	1.3	1.0	0.0	1.8	-0.1	0.2
2009	0.1	1.7	1.1	1.0	1.0	0.0	1.0	0.1	0.2
March	0.0	-1.2	-0.8	0.1	-0.4	0.0	1.5	0.0	-0.5



SELECTED HOUSING PRICE INDEX NUMBERS(a), Australia

2005-06 105.1 110.3 105.8 110.3 110.6 2006-07 115.5 113.3 109.5 115.5 114.3 2007-08 129.0 118.8 113.3 120.8 120.2 2005 September 101.7 109.1 105.0 108.1 109.0 108.1 109.0 109.0 100.0 100.4 109.3 110.2 110.2 2006 March 105.3 110.4 105.8 111.2 111.0 111.2 111.0 111.0 112.6 112.0 112.0 112.6 112.0 112.0 112.6 112.0 112.9 108.5 113.5 112.9 112.9 113.5 112.	Period	Established houses(b)(c)	Project homes(c)	Materials used in house building(d)	Construction industry total hourly rates of pay	National accounts private housing investment
2007-08 129.0 118.8 113.3 120.8 120.2 2005 September 101.7 109.1 105.0 108.1 109.0 December 104.0 110.0 105.4 109.3 110.2 2006 March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June	2005-06	105.1	110.3	105.8	110.3	110.6
2005 September December 101.7 109.1 105.0 108.1 109.0 105.4 109.3 110.2 2006 March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 112.0 112.0 112.0 112.0 112.0 112.0 113.5 113.5 113.5 112.9 108.5 113.5 113.5 112.9 108.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	2006-07	115.5	113.3	109.5	115.5	114.3
September December 101.7 109.1 105.0 108.1 109.0 December 104.0 110.0 105.4 109.3 110.2 2006 March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	2007-08	129.0	118.8	113.3	120.8	120.2
December 104.0 110.0 105.4 109.3 110.2 2006 March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	2005					
2006 March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	September	101.7	109.1	105.0	108.1	109.0
March 105.3 110.4 105.8 111.2 111.0 June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	December	104.0	110.0	105.4	109.3	110.2
June 109.3 111.7 106.9 112.6 112.0 September 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 Warch 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	2006					
September December 112.0 111.9 108.5 113.5 112.9 December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	March	105.3	110.4	105.8	111.2	111.0
December 114.1 112.6 109.3 114.9 113.5 2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	June	109.3	111.7	106.9	112.6	112.0
2007 March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	September	112.0	111.9	108.5	113.5	112.9
March 115.4 113.7 109.8 116.2 114.7 June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6		114.1	112.6	109.3	114.9	113.5
June 120.3 114.9 110.5 117.4 116.0 September 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	2007					
September December 124.8 116.2 111.4 119.0 117.4 December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6	March	115.4	113.7	109.8	116.2	114.7
December 130.1 117.8 112.4 120.2 119.3 2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6					117.4	
2008 March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6						
March 131.0 119.9 113.8 121.1 121.3 June 129.9 121.1 115.5 122.9 122.6		130.1	117.8	112.4	120.2	119.3
June 129.9 121.1 115.5 122.9 122.6						
September r126.5 122.8 118.6 124.5 124.4						
·						
December p125.0 123.1 120.1 125.5 124.8		p125.0	123.1	120.1	125.5	124.8
2009						
March p122.2 122.5 121.7 nya nya	iviarch	p122.2	122.5	121.7	nya	nya

nya not yet available

p preliminary figure or series subject to revision

r revised

⁽a) Reference base of each index: 2003-04 = 100.0.

⁽b) Estimates for the two most recent quarters are experimental (see paragraphs 12 and 13 of the Explanatory Notes)

⁽c) Weighted average of eight capital cities.

⁽d) Weighted average of six capital cities.

Period	Established houses(a)(b)		Materials used in house building(c)	Construction industry total hourly rates of pay	National accounts private housing investment				
PERCE	NTAGE CHA	NGE (from	previous	financial	year)				
2005-06	3.9	4.0	2.3	4.9	4.5				
2006–07 2007–08	9.9	2.7	3.5	4.7	3.3				
2007-08	11.7	4.9	3.5	4.6	5.2				
	PERCENTAGE CHANGE (from corresponding quarter of previous year)								
2005	1.7	E 2	2.7	17	E 0				
September December	1.7 2.3	5.3 4.4	2.7 2.3	4.7 4.5	5.2 5.0				
2006									
March	3.9	3.1	1.9	5.0	4.1				
June	7.3 10.1	3.2 2.6	2.1 3.3	5.5 5.0	3.9 3.6				
September December	9.7	2.6	3.3	5.0	3.0				
2007	0		0	0.1	0.0				
March	9.6	3.0	3.8	4.5	3.3				
June	10.1	2.9	3.4	4.3	3.6				
September December	11.4 14.0	3.8 4.6	2.7 2.8	4.8 4.6	4.0 5.1				
2008	2		2.0		0.1				
March	13.5	5.5	3.6	4.2	5.8				
June	8.0	5.4	4.5	4.7	5.7				
September December	r1.4 p-3.9	5.7 4.5	6.5 6.9	4.6 4.4	6.0 4.6				
2009	p 0.0	1.0	0.0		1.0				
March	p-6.7	2.2	6.9	nya	nya				
	CENTAGE (CHANGE (fr	rom previ	ous quarte	er)				
2005 September	-0.2	0.8	0.3	1.3	1.1				
December	2.3	0.8	0.4	1.1	1.1				
2006									
March June	1.3 3.8	0.4 1.2	0.4 1.0	1.7 1.3	0.7 0.9				
September	2.5	0.2	1.5	0.8	0.9				
December	1.9	0.6	0.7	1.2	0.5				
2007									
March June	1.1 4.2	1.0 1.1	0.5 0.6	1.1 1.0	1.1 1.1				
September	3.7	1.1	0.8	1.4	1.2				
December	4.2	1.4	0.9	1.0	1.6				
2008									
March June	0.7 -0.8	1.8 1.0	1.2 1.5	0.7 1.5	1.7 1.1				
September	-0.6 r-2.6	1.4	2.7	1.3	1.5				
December	p-1.2	0.2	1.3	0.8	0.3				
2009 March	p-2.2	-0.5	1.3	nya	nya				

nya not yet available

p preliminary figure or series subject to revision

⁽a) Estimates for the two most recent quarters are experimental (see paragraphs 12 and 13 of the Explanatory Notes).

⁽b) Weighted average of eight capital cities.

⁽c) Weighted average of six capital cities.



MEDIAN PRICE OF ESTABLISHED HOUSE TRANSFERS (UNSTRATIFIED) (a)

	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra		
Period	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000		
2005										
September	490.0	320.0	314.0	275.0	315.0	245.0	295.0	365.0		
December	500.0	333.0	320.0	280.0	340.0	252.0	320.0	387.0		
2006										
March	471.0	330.0	325.0	280.0	365.0	260.0	341.5	385.0		
June	496.0	345.0	330.0	285.1	408.0	270.0	349.5	399.5		
September	483.0	346.8	333.0	290.0	443.5	270.0	360.0	413.0		
December	500.0	360.0	342.0	300.0	456.0	278.0	380.0	420.5		
2007										
March	482.0	345.0	350.0	305.0	465.0	280.0	389.5	430.0		
June	r514.0	r362.0	r370.5	315.0	455.0	291.5	395.0	445.0		
September	515.0	370.0	389.0	335.0	465.0	285.0	400.0	460.0		
December	540.0	412.0	412.0	r360.0	470.0	310.0	418.5	r470.0		
2008										
March	499.0	r385.0	r424.9	360.0	455.0	r307.5	420.0	470.0		
June	r516.0	r400.0	425.0	365.0	445.0	r305.0	422.3	r478.5		
September	480.0	385.0	410.0	360.0	431.5	294.0	430.0	448.5		
December	nya	nya	nya	nya	nya	nya	nya	nya		
2009										
March	nya	nya	nya	nya	nya	nya	nya	nya		

nya not yet available

⁽a) See paragraphs 27 and 28 of the Explanatory Notes.

r revised



NUMBER OF ESTABLISHED HOUSE TRANSFERS(a)

	Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra		
Period	no.	no.	no.	no.	no.	no.	no.	no.		
•••••										
2005-06	r43 112	r56 765	36 534	r18 780	32 991	r4 369	2 220	r4 677		
2006-07	r48 328	r61 989	r42 750	r20 958	r18 430	r4 333	1 976	r5 021		
2007-08	r46 515	r61 498	r36 439	r19 853	r16 181	r3 881	1 620	r4 529		
2005	2005									
September	r10 861	r14 114	8 943	r4 519	8 948	979	586	r1 037		
December	r9 804	r15 790	8 421	r4 510	9 152	1 021	566	1 205		
2006										
March	10 527	r12 849	9 989	r4 833	8 445	1 244	554	1 141		
June	11 920	r14 012	9 181	4 918	6 446	r1 125	514	1 294		
September	11 094	r14 338	r9 813	r4 780	5 195	955	535	r1 137		
December	11 472	r15 048	9 420	r4 968	r4 165	970	495	1 319		
2007										
March	r11 723	r15 206	r12 082	r5 418	4 664	1 211	496	1 307		
June	r14 039	r17 397	r11 435	r5 792	r4 406	r1 197	450	r1 258		
September	r13 132	r17 155	r11 590	5 482	r4 450	r1 062	464	r1 256		
December	r13 134	r17 916	r10 169	r5 373	r4 586	r1 094	411	r1 329		
2008										
March	r9 700	r12 843	r8 232	r4 580	r3 991	r933	357	r955		
June	r10 549	r13 584	r6 448	r4 418	r3 154	r792	388	r989		
September	10 531	12 433	6 895	4 127	3 638	764	439	980		
December	nya	nya	nya	nya	nya	nya	nya	nya		
2009										
March	nya	nya	nya	nya	nya	nya	nya	nya		

nya not yet available

r revised

⁽a) See paragraph 29 of the Explanatory Notes.



REVISIONS TO ESTABLISHED HOUSE PRICE INDEX SERIES, Weighted average of eight capital cities(a)(b)(c)(d)

DIFFERENCE BETWEEN
FINAL ESTIMATE AND:

Period	1st estimate	2nd estimate	Final estimate	1st estimate	2nd estimate
	NDEX NUM			INDEX PO	
	TIBEX TOM	DER (G)		MBEX 10	
2007	4444	445.7	445.4	4.0	0.0
March	114.4	115.7	115.4	1.0	-0.3
June	119.4	119.7	120.3	0.9	0.6
September December	123.9 128.1	124.1 129.9	124.8 130.1	0.9 2.0	0.7 0.2
	128.1	129.9	130.1	2.0	0.2
2008					
March	131.3	130.6	131.0	-0.3	0.4
June	130.2	130.7	129.9	-0.3	-0.8
September	128.3	126.8	126.5	-1.8	-0.3
December	125.8	125.0	nya	nya	nya
2009					
March	122.2	nya	nya	nya	nya
				PERCENTA	
7		7.42	G = (2)		
2007					
March	8.6	9.9	9.6	1.0	-0.3
June	9.2	9.5	10.1	0.9	0.6
September	10.6	10.8	11.4	0.8	0.6
December	12.3	13.8	14.0	1.7	0.2
2008					
March	13.8	13.2	13.5	-0.3	0.3
June	8.2	8.6	8.0	-0.2	-0.6
September	2.8	1.6	1.4	-1.4	-0.2
December	-3.3	-3.9	nya	nya	nya
2009					
March	-6.7	nya	nya	nya	nya
		•	•	•	-
				• • • • • • • • • • • • •	
QUART	ERLY PERC	ENTAGE C	HANGE (c)	PERCENTAG	GE POINTS
0007					
2007 March	1.1	1.4	1.1	0.0	-0.3
June	3.2	3.7	4.2	1.0	-0.3 0.5
September	3.5	3.2	3.7	0.2	0.5
December	3.2	4.1	4.2	1.0	0.5
	5.2	7.1	7.2	1.0	0.1
2008	4.4	0.4	0.7	0.4	0.0
March	1.1	0.4	0.7	-0.4	0.3
June	-0.3	-0.2	-0.8	-0.5	-0.6
September December	−1.8 −0.8	−2.4 −1.2	-2.6	-0.8 nva	-0.2
	-0.8	-1.2	nya	nya	nya
2009					
March	-2.2	nya	nya	nya	nya

nya not yet available

⁽a) Reference base of each index: 2003-04 = 100.0.

⁽b) Percentage change from corresponding quarter of previous year.

⁽c) Percentage change from previous quarter.

⁽d) Revisions to September quarter 2008 also reflect updates to the weighting pattern and stratification method. For more information see paragraph 14 of the Appendix to the December quarter 2008 issue of this publication.

EXPLANATORY NOTES

INTRODUCTION

- **1** This publication provides estimates of changes in house prices for each of the eight capital cities of Australia. The information is presented in the form of price indexes constructed separately for Established Houses and for Project Homes (see below for definitions). It is calculated on the reference base 2003-04 = 100.0 for each of the eight capital cities as well as a weighted average of them. The capital city indexes measure price movements over time in each city individually. They do not measure differences in price levels between cities.
- **2** The index for Project Homes is compiled for use in calculating the House purchase expenditure class of the Consumer Price Index (CPI). The index for Established Houses, while not contributing to the CPI, is compiled and published along with the Project Homes index in recognition of the widespread interest in information specifically relating to housing prices.
- **3** To assist in the analysis of housing price movements at the national level, aggregated series have also been compiled and are presented in tables 5 and 6 along with series for prices of materials used in house building, construction industry hourly rates of pay and private housing investment. For information on the derivation of series in these tables see paragraphs 20–26.
- **4** Table 7 presents a city-wide median price (unstratified) of house sales data available from the State/Territory Land Titles Office or Valuers-General (VGs) Office in each capital city. These median prices are 'raw' medians from the available data set and quarterly changes in them will not concord with the published Established House Price Indexes for each city which are compiled in strata and weighted by the value of housing stock. Numbers of established house transfers recorded each quarter by the VGs are presented in Table 8.
- **5** The price index for established houses covers transactions in detached residential dwellings on their own block of land regardless of age (i.e. including new houses sold as a house/land package as well as second-hand houses). Price changes therefore relate to changes in the total price of dwelling and land.
- **6** Project homes are dwellings available for construction on an existing block of land. Price changes relate only to the cost of constructing the dwelling (excluding land).
- **7** A price index is concerned with measuring pure price change that is, it is concerned with isolating and measuring that element of price change which is not brought about by any change to either the quantity or the quality of the goods or services for which the index is required.
- **8** The techniques used to construct a price index for project homes are similar to those used for most other goods. A representative sample of project home models is selected in each city, prices are obtained each quarter and the price movements for each model are weighted together. Constant quality is preserved by calculating price movements on a matched sample basis (i.e. the price movements between adjacent quarters are based on the same models in each quarter). If the specification of an individual model changes substantially or a price is unable to be obtained then that model is excluded from the calculation of price movement. Adjustments are made to raw prices to compensate for any minor changes in specifications.
- **9** This standard procedure for constructing price indexes is not viable in the case of established houses as the observable prices in each period relate to different set of dwellings for each period. The challenge is how to utilise prices for a heterogeneous set of dwellings to construct measures of price change for characteristic or homogeneous dwellings. The ABS Publication: *A Guide to House Price Indexes* (cat. no. 6464.0) provides a more detailed background. (Note: The Guide will be updated in 2009 to

DEFINITIONS

Established houses

Project homes

PRICE INDEXES

PRICE INDEXES continued

Controlling for the compositional change effect

reflect the changes made in the December quarter 2008 to the stratification method - see paragraphs 10-11 below).

- 10 The ABS uses stratification to control for this 'compositional' effect by grouping (or 'clustering') houses according to a set of price determining characteristics. The finer the level of stratification available, the more similar or homogenous the cluster of houses will be. However, the finer the level of stratification, the fewer the property sales in the period. Therefore, the clusters defined have to balance the homogeneity of housing characteristics and the number of observations required to produce a reliable median price. The lowest level geographical classification that is commonly available across data sets is the suburb. Therefore, suburbs are the building blocks on which the clusters are based.
- Analysis by the ABS has found that the most effective stratification approach uses two characteristics: the long term level of prices for the suburb in which the house is located, and neighbourhood characteristics of the suburb, as represented by the ABS produced Socio-Economic Indexes for Areas (SEIFA). A new set of clusters produced with this stratification method was introduced in the December quarter 2008 issue of 6416.0, together with updated housing stock weights derived using quantity data from the 2006 Census of Population and Housing. The link period for these changes is March quarter 2008. Therefore, only the index numbers from June quarter 2008 onwards reflect the new weights and stratification. The new approach is a refinement of the previous stratification method, which was based on structural attributes of dwellings within suburbs, the physical location of the dwelling, and neighbourhood characteristics of suburbs.

'Leading Indicator'

- 12 The 'leading indicator' series are compiled for the most recent two quarters using early VGs data combined with mortgage lenders' data. These series are labelled with a 'p' indicating a preliminary estimate, and are initially considered 'experimental' until the ABS has sufficient historical data to fully analyse the relationship between these preliminary data and the benchmark series that they are being used to project.
- changes, for the two most recent quarters are subject to revision as more complete data sets are obtained from the VGs. These revisions are reported in Table 9, Revisions to Established House Price Index Series, Australia. This table displays, for each time period, the preliminary and final estimates, and the corresponding annual and quarterly percentage changes. The table also displays the size of the revisions made to preliminary estimates of house price index movements. Until greater experience has been gained with these data sets, the ABS is unable to provide any additional indication of the likely magnitudes or direction of the revisions.
- 14 The columns titled 'Difference between final estimate and first and second estimate' are calculated by subtracting the initial estimates from the final estimate. Consequently, no revisions information will be available until a final estimate has been published. As this series was first published with respect to September quarter 2005, the first period for which preliminary data can be compared with final data is June quarter 2005. No preliminary estimates exist prior to this period.
- **15** Revisions to the weighted average of eight capital cities are included in this publication. Revisions made to each of the individual capital cities are available on the ABS website http://www.abs.gov.au (refer to the time series spreadsheets under the 'Downloads' tab for *House Price Indexes: Eight Capital Cities* (cat. no. 6416.0)).

Available data

- **16** Price information for project homes is obtained each month from a sample of project home builders in each capital city. Sales prices of established houses are obtained from VGs and home mortgage lenders, and are based on the exchange date of the sales. The exchange date most closely approximates the time at which the market price is determined. Exchange date information is available for all cities except Adelaide and Darwin. For these cities, a modelled exchange date is used.
- **17** The delivery of VGs data relating to exchange date is delayed by the normal contract settlement and reporting processes. It is only possible to publish reliable house price movements based solely on VGs data after approximately six months.
- LIMITATIONS OF HOUSE PRICE INDEXES
- 18 The reliability of each index is largely dependent upon the availability of sufficient pricing information each quarter. While not a problem for project homes, difficulties are sometimes encountered when compiling the indexes for established houses as the number of price observations available depends on market activity in each quarter. This is most apparent in the established house price indexes for the smaller capital cities (Hobart, Darwin and Canberra).
- 19 The series most affected by limited market scope is the Darwin established house price index. As can be seen from the data in Table 8, the series for Darwin is affected by a relatively low number of transactions in any quarter. Rather than suppress publication, the series are included here because it is believed that the long term trends are reliable. However, because of the limitations in the reliability of individual quarter-to-quarter movements, users are advised to exercise due care when analysing such movements.

NATIONAL HOUSE PRICE AND OTHER INDEXES

20 These series are presented to facilitate analysis of price movements at a national level. Although coverage is not strictly national in all cases, this does not significantly impair their usefulness. The derivation or source of each series is set out below.

Established houses

21 The series for established houses is derived by weighting together the indexes for each of the eight capital cities according to the relative value of housing stock in each capital city. From the June quarter 2008 onwards, the values were obtained by combining 2006 Population Census house counts with March quarter 2008 mean prices. Prior to this, the values were obtained by combining 2001 Population Census house counts with March quarter 2002 mean prices. It is important to understand that in the compilation of this index (and other fixed weighted indexes) it is not the housing stock values that are held constant from period to period. What is held constant is the quantity (eg. number of houses) underpinning these values.

Project homes

- 22 The series for project homes is derived by weighting together the indexes for each of the eight capital cities. In September quarter 2005, data on housing finance collected by the Australian Prudential Regulatory Authority was used to update the aggregate expenditure on secured finance commitments for the purchase of new dwellings by owner occupiers in 2004–05. The city weights were allocated using data from the Building Activity survey and census data. From June quarter 1996 to June quarter 2005 the value of commitments in 1994–95 was used. The source of weighting information was unpublished data from the ABS survey of Housing Finance for Owner Occupation. Between 1985–86 and June quarter 1996 the value of secured finance commitments to individuals in each of the states and territories for the construction of houses was used.
- 23 Although the capital city price indexes for project homes are compiled for use in calculating the House purchase expenditure class of the CPI, price movements exhibited in the respective series at the national level are not directly comparable. The weighting pattern used in the CPI House purchase index differs from that described above for the project homes index. The weights used for CPI purposes relate to the net acquisition of dwellings (excluding land) by private households in each of the eight capital cities (i.e.

Project homes continued

they include dwellings acquired from the government and business sectors and alterations and additions to existing dwellings).

Materials used in house building

24 The index for materials used in house building is published for the weighted average of the six state capital cities in *Producer Price Indexes, Australia* (cat. no. 6427.0), re-referenced to 2003–04 = 100.0. For more information on this index refer to *Producer and International Trade Price Indexes: Concepts, Sources and Methods, 2006* (cat. no. 6429.0)

Construction industry total hourly rates of pay

25 The index for the construction industry total hourly rates of pay excluding bonuses, private and public, is that published in *Labour Price Indexes, Australia* (cat. no. 6345.0). For more information on this index refer to *Labour Price Index: Concepts, Sources and Methods, 2004* (cat. no. 6351.0.55.001)

Private Housing Investment

26 The index for private housing investment is the annually-reweighted chain Laspeyres price index for private capital expenditure on new and used dwellings, as used (but not separately published) in *Australian National Accounts: National Income*, *Expenditure and Product* (cat. no. 5206.0), referenced to 2003–04 = 100.0. For more information on this index refer to *Australian National Accounts: Concepts Sources and Methods*, 2000 (cat. no. 5216.0)

Established house transfer prices and counts

- **27** As well as the price indexes based on stratified weights for each city, the ABS publishes the median price of all established house transfers, and the number of established house transfers. Both these series are based on VGs house sales data, and are only available for those quarters for which final index estimates are available. As the ABS receives more data, these figures are revised as necessary.
- **28** The median prices presented in Table 7 are calculated using all available VGs records for each city each quarter, with no stratification or weighting applied. These 'raw' medians will not correspond to the published index numbers and will not produce price movements that are consistent with those numbers.
- **29** The number of transfers of established houses recorded each quarter by the VG in each capital city is presented in Table 8 to provide an indication of the level of sales activity for the capital city each quarter.

ANALYSIS OF CHANGES IN INDEX NUMBERS

- **30** Each of the indexes presented in this publication is calculated on a quarterly basis with a reference base of 2003-04 = 100.0. In compiling these indexes quarterly, the objective is to measure the change in price levels between quarters.
- **31** Index numbers are also presented for financial years where the index numbers for financial years are simple (arithmetic) averages of the quarterly index numbers. Index numbers for calendar years may be derived in the same way.
- **32** 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 index points changes and percentage changes between any two periods:

Project Homes: Perth index numbers —

March Quarter 2009 153.4 (see table 3) less December Quarter 2008 154.0 (see table 3)

equals change in index points -0.6

Percentage change -0.6/154.0 X 100 = -0.4%

33 In this publication, percentage changes are calculated to illustrate three different kinds of movements in index numbers:

ANALYSIS OF CHANGES IN INDEX NUMBERS continued

- movements between consecutive financial years (change between average price levels during one financial year and average price levels during the next financial year)
- movements between corresponding quarters of consecutive years
- movements between consecutive quarters.

RELATED PUBLICATIONS

- **34** Users may also wish to refer to the following publications which are available from the ABS website:
 - A Guide to House Price Indexes, cat. no. 6464.0
 - Information Paper: Renovating the Established House Price Index, cat. no. 6417.0
 - Australian National Accounts: National Income, Expenditure and Product, cat. no. 5206.0 – issued quarterly
 - Building Activity, Australia, cat. no. 8752.0 issued quarterly
 - Building Approvals, Australia, cat. no. 8731.0 issued monthly
 - Consumer Price Index Australia, cat. no. 6401.0 issued quarterly
 - Housing Finance, Australia, cat. no. 5609.0 issued monthly
 - Producer Price Indexes, Australia, cat. no. 6427.0 issued quarterly.
- **35** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue and all ABS publications are available free of charge from 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.

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