

Hedonic Home Value Index

1 February2021

CoreLogic: Australian housing values reach a new record high as values continue to rise across every broad region of the country

Housing values continued to rise through the first month of 2021 with CoreLogic's national home value index up 0.9% over the month. The January movement takes Australian home values to a fresh record high. Housing values have surpassed pre-COVID levels by 1.0%, and the index is 0.7% higher than the previous September 2017 peak.

Every capital city and broad rest-of-state region recorded a rise in housing values over the month, ranging from a 2.3% surge across Darwin to a relatively mild 0.4% rise in Sydney and Melbourne.

Continuing a trend that became evident early in the pandemic, regional housing values rose at more than twice the pace of the capital city markets. CoreLogic's combined regionals index was up 1.6% over the month, while capital city values were 0.7% higher. Since the onset of COVID-19 in March last year, regional housing values have surged 6.5% higher while capital city housing values are down -0.2% over the same time frame.

The largest states are seeing regional home values rising at more than three times the pace of their capital city counterparts. Home values across Regional Victoria and Regional New South Wales rose 1.6% and 1.5% respectively in January compared with a 0.4% increase in home values across Melbourne and Sydney.

According to CoreLogic's research director, Tim Lawless, the divergence between metro and regional housing demand in New South Wales and Victoria is more substantial than in other states. "Internal migration data shows more people are leaving Sydney and Melbourne for regional areas, resulting in a transition of activity from the metro regions to the outer fringe and regional markets. This demographic trend is further compounded by the demand shock of stalled overseas migration. As Melbourne and Sydney historically receive the vast majority of overseas migrants, these metro areas have been the hardest hit by this demand shock."

"Better housing affordability, an opportunity for a lifestyle upgrade and lower density housing options are other factors that might be contributing to this trend, along with the new found popularity of remote working arrangements."

Another broad trend that is becoming increasingly evident is the outperformance of houses over units. At a national level, house values have risen by 3.5% over the past six months while unit values are unchanged. More recently, the past three months has seen every capital city record a stronger result for houses over units.

"Demand for units has diminished through COVID-19 amidst record low levels of investor participation and changing living preferences. At the same time supply levels are heightened in some precincts. While demand and supply remain imbalanced we are likely to see units continue to underperform relative to detached housing markets," Mr Lawless said.

Index results as at January 31, 2021

	Change in dwelling values												
	Month	Quarter	Annual	Total return	Median value								
Sydney	0.4%	1.6%	2.0%	4.6%	\$879,299								
Melbourne	0.4%	2.1%	-2.1%	1.1%	\$692,162								
Brisbane	0.9%	2.5%	4.0%	8.3%	\$527,826								
Adelaide	0.9%	3.3%	6.5%	10.8%	\$473,170								
Perth	1.6%	3.8%	3.4%	8.0%	\$484,280								
Hobart	1.6%	3.7%	6.8%	12.1%	\$523,932								
Darwin	2.3%	6.6%	11.4%	17.3%	\$426,215								
Canberra	1.2%	3.7%	8.5%	13.5%	\$686,524								
Combined capitals	0.7%	2.2%	1.7%	5.1%	\$659,731								
Combined regional	1.6%	4.7%	7.9%	12.8%	\$428,919								
National	0.9%	2.8%	3.0%	6.6%	\$583,157								

Month-on-month change in national dwelling values



Past month Past 12 months Past 3 months Sydney 2.0% 0.4% 1.6% Melbourne 0.4% 2.1% -2.1% Brisbane 4.0% 0.9% 2.5% Adelaide 0.9% 3.3% 6.5% Perth 1.6% 3.4% 3.8% Hohart 1.6% 3.7% 6.8% Darwin 2.3% 11.4% 6.6% Canberra 8.5% 1.2% 3.7% **Regional NSW** 1.5% 4 7% 9.5% **Regional Vic** 1.6% 4.8% 6.5% Regional Qld 1.6% 7.7% 4 6% **Regional SA** 2.3% 10.6% 5.6% Regional WA 2.0% 4.3% -2.6% **Regional Tas** 1.5% 12.1% 5.8% **Regional NT** 0.1% 4.0% -1.3% **Combined** capitals 0.7% 2.2% 1.7% Combined regionals 7 9% 1.6% 4.7% Australia 0.9% 3.0% 2.8%



The rise in housing values is occurring against a backdrop of low advertised supply and rising buyer activity. Inventory levels started 2021 in a tight position. The number of fresh listings added to the market nationally over the four weeks ending January $24^{th}\,was$ 3.3% lower than the same period a year ago and 13.3% below the five year average.

Melbourne and Perth were the only capital city markets to buck the trend, with new listings 20.8% higher than a year ago in Melbourne and 2.2% higher across Perth. "Melbourne vendors may still be playing catch-up from the earlier lockdown period, while in Perth vendors seem to be relishing the best selling conditions seen in many years," Mr Lawless said.

Although fresh stock being added to the market is close to the same levels a year ago, total advertised inventory started the year around record lows. Nationally, total listing numbers, which include new listings plus re-listed properties, were 27.8% lower than this time last year, tracking 29.3% below the five year average. Melbourne was the only city to record total listing numbers that were higher than last year, up 7.7%.

Mr Lawless attributes the lift in listing numbers across Melbourne to a rise in apartment advertisements at a time of low demand. "While house listings are roughly level with this time last year and 7.2% below the five year average, unit listings are 17.5% higher than this time last year and almost 6% above the five year average."

Another factor impacting available housing supply has been a strong rate of absorption from rising home buyer activity, especially in the detached housing space. CoreLogic estimates the number of national home sales over the past three months was 23.9% higher than the equivalent three month period from a year ago. The volume of regional home sales was estimated to be 26.8% higher than a year ago while capital city sales were up 22.1%.

On the latest estimates, the volume of capital city house sales were 11.8% above the decade average over the past six months while the volume of capital city unit sales were rising but remained 8.1% below the decade average.

"With housing activity continuing to rise at above average levels while listing numbers remain well below average, the natural consequence is upwards pressure on housing prices," Mr Lawless said.

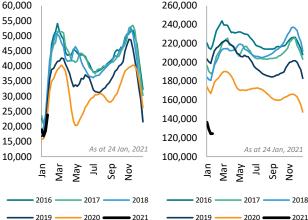
"Advertised supply levels are low while demand is strong. This is a seller's market, but for some reason we are still seeing below normal vendor numbers across most markets. With sentiment rising and selling conditions favouring the vendor, it is reasonable to expect new listing numbers will rise as the year progresses which may help to temper housing market conditions.

Some early indicators suggest that new listing numbers are set to outpace levels from a year ago. Real estate agent activity across CoreLogic's RP Data platform is up 6.5% over the first 28 days of January compared with the same period in 2020. "A lift in real estate agent activity typically leads to a rise in new listing numbers with a lag of a few weeks. We are expecting to see new advertised stock levels rising substantially though early February, well above last year's levels," Mr Lawless said.

However buying activity is also ramping up, with the number of mortgage related valuations already 27% higher than a year ago across CoreLogic's Valex valuation platform. "At the moment, despite our expectation of a lift in new listing numbers, buyer demand is still outpacing new stock additions. If this trend persists, the rapid rate of absorption is likely to keep overall stock levels low resulting in further upwards pressure on housing prices," said Mr Lawless.



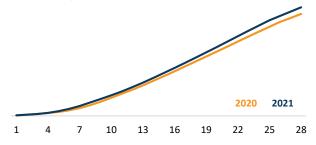
New listings, rolling 28 day Total listings, rolling 28 day count, national



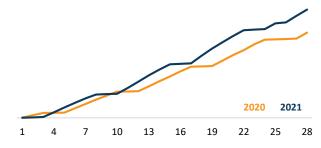
Rolling six month sales volume, combined capitals



Cumulative number of real estate agent reports, first 28 days of 2020 v 2021



Cumulative number of mortgage related valuations, first 28 days of 2020 v 2021





Canberra, 4,1%

Adelaide, 4.1%

Sydney, 2.1%

Hobart, 0.1%

8%

4%

0%

-4%

-8%

-12%

Jan

16

8%

4%

0%

-4%

-8%

-12%

Jan

16

Jan

17

Jan

18

Jan

19

Jan

20

Jan

21

Gross rental yields, dwellings

Perth. 8.7%

Canberra, 1.9%

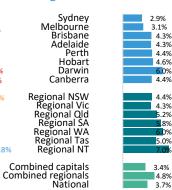
Adelaide, 1.8%

Brisbane, -0.3%

Hobart, -0.7%

Sydney, -5.6%

Melbourne, -7.8%



CoreLogic

The rental market dynamic has changed substantially through COVID but there are some early signs that weakness across the unit sector is starting to level out, if not turn around.

Jan

18

Jan

19

Jan

20

Jan

21

Jan

17

Rental demand has transitioned towards detached and lower density housing markets since the pandemic, partly reflecting the disruption to rental demand from overseas migration, but also the stress of changed working conditions, caused by COVID restrictions, in industry sectors that are traditionally more aligned with rental demand. Additionally, with more people working from home, demand for larger housing options has lifted.

Unit rents in Melbourne and Sydney are down 7.8% and 5.6% respectively over the past year, but in some positive news for landlords, the rate of decline is easing across these markets; in fact Sydney unit rents posted the first month-on-month rise in January (+0.8%) since March last year and Melbourne unit rents held firm over the month. Unit rents across Brisbane and Hobart have also been on a downwards trajectory through COVID, however recent months have shown a similar trend of rising rents as conditions start to stabilise.

Part time job numbers have now fully recovered back to pre-COVID levels and more businesses are embarking on a return to work program which could be helping to support renewed demand towards inner city rental accommodation. Additionally, with rental rates now lower for inner city units, improved rental affordability could be attracting more people back to inner city renting.

Geographically, Perth and Darwin stand out with the largest rental increases. The annual lift in house rents is well into double digit territory while unit rents are also posting strong gains. The strong rental conditions in these regions comes after a long run of falling rents and low levels of investment activity. The result is extremely tight rental supply at a time of rising demand, while affordability is relatively healthy due to the sustained fall in rents between 2013 and 2018. Despite the substantial lift in Perth and Darwin rents over the past year, the median rental rate in Perth is still \$90/week lower than the 2013 peak, and Darwin rents remain \$145/week below their previous record high in 2014.

Gross rental yields have been under some downwards pressure as housing values outperform rents. Gross rental yields have fallen over the past 12 months; combined capital city yields are down 9 basis points, and the combined regional areas have recorded a 19 basis point drop. Although the general trend is towards yield compressions, there are a few broad regions where rents have risen faster than housing values, resulting in higher yields over the year. The gross yield in Perth is up 11 basis points to reach 4.4% and Darwin yields are 16 basis points higher at 6.0%.

Overall, the January results from CoreLogic show the housing market has started the year on a firm footing, setting the scene for further price rises throughout the year.

Many of the housing market headwinds have dissipated as the Australian economic recovery consistently outperforms forecasts. Labour markets are continuing to improve even though JobKeeper is winding down, mortgage repayment deferrals have reduced to just 2.4% of all mortgages (after comprising around 11% in May last year) and buyer activity is well above average, even though overseas migration has virtually stopped.

Low interest rates have been a key factor in supporting the housing market recovery. Mortgage rates are likely to remain at record lows for the foreseeable future, with little chance interest rates could rise this year. This is because inflation and unemployment are still a long way from reaching the RBA's objectives of full employment and returning the annual inflation rate to the target range of between 2 and 3%.

New headwinds for the housing market could be seen in the form of tighter lending policies, however a trigger for another round of macroprudential intervention is not apparent. A rise in lending activity regarded as 'riskier', such as higher proportions of interest only lending, loans with high debt or loan value to income ratios and loans to borrowers with small deposits, could be the catalyst for a tightening in credit rules.

The most significant risk to housing markets remains further outbreaks of the virus. The recent series of outbreaks, and subsequent border closures and restrictions through late December and January, had an immediate negative impact on consumer sentiment. As we know from the Melbourne example, a sustained period of restrictions focused on containing the virus would likely see economic activity, including home buying and selling, temporarily stall. This could result in renewed downwards pressure on housing prices.



CoreLogic Home Value Index tables

		Capitals									Rest of state regions							Aggregate indices			
		Sydney	Melbourne	Brisbane	Adelaide	Perth	Hobart	Darwin	Canberra	Regional NSW	Regional Vic	Regional Qld	Regional SA	Regional WA	Regional Tas	Regional NT	Combined capitals	Combined regional	National		
	All Dwellings																				
Dwellings	Month	0.4%	0.4%	0.9%	0.9%	1.6%	1.6%	2.3%	1.2%	1.5%	1.6%	1.6%	2.3%	2.0%	1.5%	na	0.7%	1.6%	0.9%		
	Quarter	1.6%	2.1%	2.5%	3.3%	3.8%	3.7%	6.6%	3.7%	4.7%	4.8%	4.6%	5.6%	4.3%	5.8%	na	2.2%	4.7%	2.8%		
	YTD	0.4%	0.4%	0.9%	0.9%	1.6%	1.6%	2.3%	1.2%	1.5%	1.6%	1.6%	2.3%	2.0%	1.5%	na	0.7%	1.6%	0.9%		
	Annual	2.0%	-2.1%	4.0%	6.5%	3.4%	6.8%	11.4%	8.5%	9.5%	6.5%	7.7%	10.6%	-2.6%	12.1%	na	1.7%	7.9%	3.0%		
	Total return	4.6%	1.1%	8.3%	10.8%	8.0%	12.1%	17.3%	13.5%	14.0%	11.4%	13.2%	16.3%	3.5%	18.2%	n a	5.1%	12.8%	6.6%		
	Gross yield	2.9%	3.1%	4.3%	4.3%	4.4%	4.6%	6.0%	4.4%	4.4%	4.3%	5.2%	5.8%	6.0%	5.0%	na	3.4%	4.8%	3.7%		
	Median value	\$879,299	\$692,162	\$527,826	\$473,170	\$484,280	\$523,932	\$426,215	\$686,524	\$512,398	\$427,444	\$414,280	\$256,955	\$338,534	\$352,700	na	\$659,731	\$428,919	\$583,157		
	Houses													2	2						
	Month	0.7%	0.6%	1.0%	1.1%	1.7%	1.6%	3.7%	1.3%	1.6%	1.6%	1.7%	2.5%	1.8%	1.7%	-0.3%	0.9%	1.7%	1.1%		
	Quarter	2.7%	2.4%	2.9%	3.7%	3.9%	4.4%	7.8%	4.2%	5.0%	4.9%	4.8%	6.0%	3.9%	6.1%	3.5%	2.9%	4.9%	3.4%		
es	YTD	0.7%	0.6%	1.0%	1.1%	1.7%	1.6%	3.7%	1.3%	1.6%	1.6%	1.7%	2.5%	1.8%	1.7%	-0.3%	0.9%	1.7%	1.1%		
ouses	Annual	3.1%	-2.8%	4.9%	6.8%	3.6%	8.4%	15.3%	9.5%	10.0%	6.4%	8.2%	10.9%	-3.0%	12.5%	1.8%	2.4%	8.2%	3.8%		
£	Total return	5.4%	0.0%	9.1%	10.9%	8.1%	13.8%	21.2%	14.2%	14.5%	11.3%	13.6%	16.8%	3.0%	18.9%	9.2%	5.6%	13.0%	7.2%		
	Gross yield	2.7%	2.8%	4.1%	4.1%	4.3%	4.5%	5.4%	4.1%	4.3%	4.2%	5.0%	5.7%	6.0%	4.9%	6.9%	3.3%	4.7%	3.6%		
	Median value	\$1,034,848	\$821,904	\$583,902	\$509,978	\$506,083	\$562,035	\$516,050	\$770,232	\$530,594	\$455,046	\$426,750	\$263,604	\$350,922	\$366,620	\$433,632	\$709,017	\$444,719	\$607,389		
	Units																				
	Month	-0.1%	0.1%	0.4%	-0.2%	0.8%	1.2%	-0.5%	1.0%	0.9%	1.6%	1.1%	-0.4%	6.8%	0.1%	na	0.1%	1.2%	0.2%		
	Quarter	-1.0%	1.4%	1.0%	0.8%	3.0%	1.2%	4.2%	1.8%	2.9%	4.6%	4.0%	-1.9%	11.3%	2.6%	na	0.3%	3.7%	0.8%		
s	YTD	-0.1%	0.1%	0.4%	-0.2%	0.8%	1.2%	-0.5%	1.0%	0.9%	1.6%	1.1%	-0.4%	6.8%	0.1%	na	0.1%	1.2%	0.2%		
Units	Annual	-0.6%	-0.6%	0.4%	4.9%	1.8%	0.5%	4.1%	5.0%	6.3%	6.8%	6.2%	4.9%	5.0%	8.9%	na	-0.1%	6.2%	0.8%		
	Total return	2.8%	3.2%	5.4%	10.2%	7.0%	5.3%	9.8%	11.1%	11.0%	12.5%	12.2%	6.4%	12.5%	13.6%	na	3.7%	11.7%	4.8%		
	Gross yield	3.3%	3.7%	5.2%	5.2%	5.3%	4.8%	7.3%	5.6%	4.7%	4.9%	5.6%	6.0%	7.1%	5.7%	na	3.8%	5.2%	4.0%		
	Median value	\$734,198	\$577,206	\$393,177	\$344,467	\$369,531	\$427,767	\$291,475	\$477,196	\$430,223	\$313,183	\$383,645	\$200,055	\$229,403	\$276,965	na	\$574,565	\$371,652	\$528,186		

CoreLogic is the largest independent provider of property information, analytics and propertyrelated risk management services in Australia and New Zealand.

Methodology

The CoreLogic Hedonic Home Value Index

is calculated using a hedonic regression methodology that addresses the issue of compositional bias associated with median price and other measures. In simple terms, the index is calculated using recent sales data combined with information about the attributes of individual properties such as the number of bedrooms and bathrooms, land area and geographical context of the dwelling. By separating each property into its various formational and locational attributes, observed sales values for each property can be distinguished between those attributed to the property's attributes and those resulting from changes in the underlying residential property market. Additionally, by understanding the value associated with each attribute of a given property, this methodology can be used to estimate the value of dwellings with known characteristics for which there is no recent sales price by observing the

characteristics and sales prices of other dwellings which have recently transacted. It then follows that changes in the market value of the entire residential property stock can be accurately tracked through time. The detailed methodological information can be found at:

https://www.corelogic.com.au/research/rp-data-corelogichome-value-index-methodology/

CoreLogic is able to produce a consistently accurate and robust Hedonic Index due to its extensive property related database, which includes transaction data for every home sale within every state and territory. CoreLogic augments this data with recent sales advice from real estate industry professionals, listings information and attribute data collected from a variety of sources.

* The median value is the middle estimated value of all residential properties derived through the hedonic regression methodology that underlies the CoreLogic Hedonic Home Value Index.