WESTPAC CARD TRACKER 29 JULY 2022.



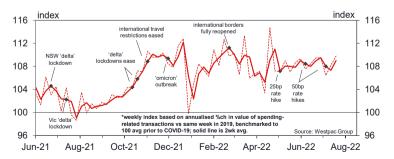


Card activity lifts again



- The Westpac Card Tracker Index has recovered over the last two weeks, rising 3.4pts to 109.8, the highest weekly read since April. The index level means annual growth in card activity is running at a robust pace, nearly 10pts above its pre-COVID rate (see p7 for more details on how the index is constructed). The gain reverses what looked to be partly a rate-rise-related softening in the first half of July. As such it suggests any impact has been only marginal and fleeting.
- All major categories recorded a lift, 'discretionary goods' outperforming. The detail suggests this is more to do with rising prices than volumes (our headline measures are based on transaction values). All states recorded lifts as well, NSW outperforming slightly suggesting there was a weather-related drag in the mix earlier in the month.
- The more granular detail breakdown shows broad gains for durables and vehicle-related activity – again suggesting price effects are at work – with a firming in healthcare spend as well (possibly related to the renewed lift in COVID cases). Hospitality and travel has shown some cooling, having been running at a strong pace early in the month. That likely reflects the end of the school holidays but may also be a sign that 'catch-up' discretionary service spending may be starting to run its course.
- The Q2 CPI released on July 27 allows for an updated review of the performance of average transaction values as a price indicator. The wash-up shows mixed results. While there does look to be some information value in these indicators they should continue to be treated as 'experimental' and used with caution as an inflation guide.

1. Westpac Card Tracker Index



"... suggests any [rate-rise-related softening] has been only marginal and fleeting."

The Westpac Card Tracker presents indicators based on the millions of credit and debit card transactions processed by Westpac every day. The measures are an extremely timely guide to shifts in spending and a critical gauge of the COVID-19 shock. See p7 for a full explanation.

This report is produced by Westpac Economics

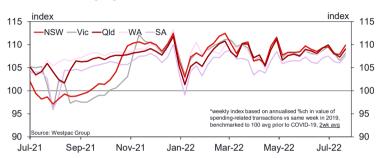
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Internet: www.westpac.com.au Email: economics@westpac.com.au This issue was finalised on 29 July 2022.

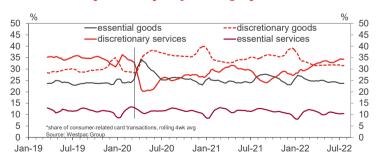
A broad-based lift, but some of the gain due to prices



2. Card activity by state



3. Card activity: share by major category



- As noted, all major categories and states recorded a lift over the last two weeks. Discretionary categories posted a slightly bigger 3.8pt gain and continue to see stronger gains with an index read of 111 overall. Notably, despite a continued rotation towards 'discretionary services' in recent weeks, 'discretionary goods' spend remains strong, recording an index read of 113.3. Prices likely account for a significant portion of this with the recently released Q2 CPI showing the prices of many major durable items rising at over 10%yr.
- By state, conditions were a touch firmer in NSW (110.4) and Qld (110.1) with SA (107.8) and Vic (109.3) slightly cooler. For Vic this follows a sustained period in which it was level-pegging with the other major states.

	May	Jun	Jul^	23/7		
Westpac Card Tracker	108.0	108.7	108.5	109.8		
By category*						
- discretionary	110.0	110.5	109.9	111.0		
- essential	104.5	105.6	106.2	107.9		
By state						
- NSW	108.4	109.1	108.9	110.4		
- Vic	108.0	108.4	108.1	109.3		
- Qld	107.6	108.9	108.6	110.1		
- WA	107.7	108.8	108.6	109.8		
- SA	106.4	106.6	106.9	107.8		

All indexes are based on value of spending-related transactions vs same week in 2019, benchmarked to 100 avg prior to COVID-19, see p7 for more details.

^{*}see p7 for 'discretionary' and 'essentials' classification details; ^ avg month to date.

Sources; ABS, Westpac Group

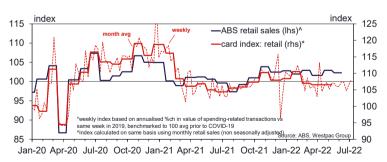
Retail sales likely to be down slightly for July



4. Card transactions: retail vs non retail



5. Card transactions: retail vs ABS retail sales



- Our retail card index also recovered, rising 3.2pts in the latest week to 107.9, a touch softer than the headline index. Our non-retail card index posted a similarly sized 3.4pt gain but continues to run at a stronger level around 111.8.
- ABS figures showed a softer than expected 0.2% gain in retail sales in June with May's 0.9% gain revised down to 0.7%. The moderating pace of gains suggest retail sales is cresting, albeit at a high level up 12%yr. Q2 volume estimates, due Aug 3, look set to show a 1.2%qtr gain (see here for more).
- Card activity for the month to date suggests the July retail figures, due Aug 29, will show a slight decline for the month.

	May	Jun	Jul^	23/7
By retail/non retail				
Retail card index	106.4	106.6	106.6	107.9
- vs baseline	6.4	6.6	6.6	7.9
- pts change	-0.1	0.2	0.0	n.a.
Non-retail card index	109.5	111.0	110.6	111.8
ABS retail sales*				
- %ch	0.7	0.2	-0.4	n.a.
- ann %ch	10.2	12.0	14.6	n.a.

All indexes are based on value of spending-related transactions vs same week in 2019, benchmarked to 100 avg prior to COVID-19, see p7 for more details.

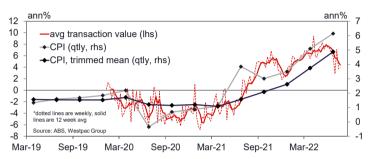
^{*}seasonally adjusted, March 2022 figures are Westpac estimates; ^avg month to date.

Sources: ABS. Westpac Group

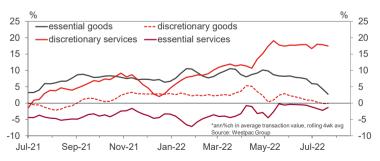
Q2 CPI suggests avg transaction values a mixed guide



4. Average transaction values vs CPI inflation



5. Average transaction values: major categories



- Previous reports have explored whether average transaction values (ATVs) provide information on shifts in inflation. Our preliminary findings showed some tentative links but suggested we need to be extremely careful when interpreting this data. The release of June quarter CPI figures allows for another comparison and again suggests we should exercise a high degree of caution.
- Chart 6 shows annual growth in ATVs alongside annual CPI inflation, both headline and core, updated for the June quarter result. As noted, the available history showed a broad pattern of weakness in 2020-21 followed by strength in 2022 in the ATVs that was consistent with variations in CPI inflation.
- The Q2 wash-up show a more mixed performance. Annual growth in both the headline and 'trimmed mean' CPI measures lifted 1.1pts. Annual growth in ATVs posted a more muted 0.3ppt lift through the period, with a notable slowing towards the end of June that has carried into early July.
- At a more granular level, fuel and vehicle-related ATVs continue to align reasonably well with corresponding detailed CPI measures but other areas, most notably 'furniture and furnishings' performed poorly. Average measures are likely to be poor proxies for price growth in segments that have sub-segments that have big variations in average transaction value, particularly when there are large swings in the composition of spending.
- At a higher level, broad category breakdown is showing particularly strong price growth for 'discretionary services' and moderating momentum for 'discretionary goods', again somewhat at odds with CPI developments.

Westpac card indicators



	2020			2021							٧	veek en	ding:		
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Apr	May	Jun	Jul^	2/7	9/7	16/7	23/7
Westpac Card Tracker Index	90.4	101.0	107.3	107.0	104.9	101.3	106.5	107.9	108.0	108.7	108.5	109.5	106.5	108.2	109.8
vs baseline	-9.6	1.0	7.3	7.0	4.9	1.3	6.5	7.9	8.0	8.7	8.5	9.5	6.5	8.2	9.8
ppt change	-9.6	1.0	6.2	-0.2	-2.1	-3.6	5.2	-1.2	0.1	0.8	-0.2	0.1	-3.1	1.7	1.6
By category															
services - discretionary	59.2	75.6	89.6	95.3	100.1	87.4	98.2	107.9	109.0	109.9	109.0	111.3	107.7	107.8	109.0
- essential	87.8	101.4	107.6	102.6	104.1	100.8	102.9	104.3	103.8	104.9	105.2	103.8	103.8	105.1	108.0
- total	66.4	82.3	93.9	97.2	101.1	91.2	99.5	106.9	107.6	108.6	108.0	109.4	106.7	107.1	108.8
goods															
- discretionary	114.6	125.2	125.9	124.2	112.7	112.5	115.7	111.7	110.9	111.1	111.0	112.6	106.6	111.7	113.3
- essential	105.0	106.9	105.8	104.0	101.7	105.1	105.6	104.7	104.8	105.9	106.6	106.3	105.9	106.5	107.9
- total	110.2	116.8	117.0	114.7	107.7	109.1	111.2	108.5	108.2	108.7	109.0	109.8	106.2	109.3	110.8
retail*	104.8	114.2	116.3	114.4	106.0	105.3	108.7	106.5	106.4	106.6	106.6	107.3	104.7	106.5	107.9
ppt change	4.8	14.2	2.1	-1.9	-8.4	-0.7	3.4	-0.5	-0.1	0.2	0.0	-0.1	-2.6	1.8	1.4
By state															
- NSW	97.7	104.2	107.9	107.0	103.0	101.8	108.8	108.2	108.4	109.1	108.9	109.4	106.5	109.3	110.4
- Vic	93.2	88.9	109.9	105.4	102.3	99.8	109.0	107.9	108.0	108.4	108.1	109.9	106.3	106.9	109.3
- Qld	101.2	107.3	109.8	107.7	105.6	106.1	107.2	108.1	107.6	108.9	108.6	109.7	106.7	107.9	110.1
- WA	99.8	107.6	109.5	105.7	105.8	107.6	108.7	107.7	107.7	108.8	108.6	109.6	107.2	107.8	109.8
- SA	101.0	107.3	107.9	105.5	103.0	105.2	105.7	105.6	106.4	106.6	106.9	107.8	104.8	107.3	107.8
- rest of Aus	94.4	99.2	105.3	104.2	103.8	101.3	107.9	108.0	108.7	109.2	109.3	109.8	107.4	109.3	110.7

All indexes are based on value of spending-related transactions vs same week in 2019, benchmarked to 100 avg prior to COVID-19, see p7 for more details. Figures are period averages. *composite based on transactions in retail categories; *avg month to date.

Source: Westpac Group

About the Westpac card data indicators



The indicators presented in this report are based on the millions of credit and debit card transactions processed by Westpac every day. Transactions covering over ten million merchants are classified into over 700 categories. These are in turn grouped into higher level aggregates that provide a timely guide to wider economic trends.

The main focus of these indicators is consumer spending. Where possible, we have sought to exclude 'non spending' transactions such as: money transfers; tax payments; loan repayments; charitable donations; and superannuation contributions.

It should also be noted that these indicators will also be affected by shifts between card and non card transactions. This may be a significant factor during the COVID-19 pandemic – health concerns about the use of physical cash are likely seeing higher use of cards, particularly where contact-less transactions are available. Transaction flows also include reversals/refunds which have been a significant phenomenon in areas such as travel.

All transaction data is compiled at a highly aggregated level so that individual customer or merchant data is never revealed.

Index construction

The key metric used in this report are indexes based on spending compared to the same period in 2019, relative to the baseline eleven week period immediately prior to the introduction of social restrictions. This approach avoids problems with seasonal spending patterns and normalises for pre-existing trends in growth. Note that an additional adjustment is made to allow for the timing of Easter.

As an example, if transaction flows prior to COVID-19 were up 5% on the same period last year and transactions in the observation week are 5% below the same week last year, the index read would be 90, i.e. 100*(0.95/1.05). In words: annual growth in the total value of transactions is running 10ppts below its pre-COVID-19 pace.

As a guide to the significance of variations in aggregate index

measures, if we apply the same technique to the last ten years of monthly retail sales we get index readings ranging from 97.5 to 102.9. Hence the readings outside this range observed in recent months are indicative of extreme variations.

Classifications

Note that the measures and classifications used for card data and this report do not align completely with those used in official ABS statistics on retail sales and consumer spending. There are a range of differences including around both coverage and classification. As such, the card data should be treated as broadly indicative.

The transaction data is grouped into 29 categories that are then combined into four main as follows:

Discretionary goods: durable goods, clothing and vehicle-related.

Discretionary services: recreation, gambling, professional services, hotels, restaurants and cafes, airlines, car rental, travel agencies and transport.

Essential goods: food, fuel and pharmacies.

Essential services: utilities, education and healthcare.

The report also uses two additional classifications:

Retail/non retail: based on the extent to which categories cover sales that are in scope for the <u>ABS retail survey</u>.

COVID group: based on a classification Westpac developed to assess the impact of the Coronavirus (see here for more). 'Most exposed' is travel, tourism, hospitality and recreational services; 'big ticket' is vehicles and major household items; 'stock-piling' is food, pharmaceuticals and healthcare; 'residual' is all other categories combined

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