



NAB CASHLESS RETAIL SALES INDEX OCTOBER 2021

NAB Group Economics

HIGHLIGHTS

- Our data mapping points to an ongoing retail rebound in October. We see the official ABS measure gaining 2.8% on a month-on-month basis. Retail sales rose 1.3% in September – we forecast a 2.2% gain at the time, since revised to 2.0%.
- October’s results clearly reflect the unwinding of lockdowns in New South Wales and (later in the month) Victoria and the ACT. Higher frequency weekly data suggest that NSW and Victoria started their retail sales gains before lockdowns ended, with lockdown end coinciding with another step-up, especially in hospitality.
- Last month, we flagged some uncertainty about whether consumers would “snap back” to the same extent as previous reopenings with the virus circulating in the community this time. However, we are pleased to say that these concerns have proven unfounded, at least so far.

COMMENTS FROM NAB GROUP CHIEF ECONOMIST ALAN OSTER

Retail conditions in lockdown-affected areas have clearly been challenging for many businesses, but with reopening here, consumers are bouncing back and spending has returned. With NSW, Victoria and the ACT only out of lockdown for part of October, further upside is highly likely in November.

The NAB Monthly Business Survey for October, released yesterday, showed rising business conditions and confidence – the former principally in NSW and the latter principally in Victoria, mirroring the NSW rise in confidence the month prior. Retail, business, finance & property, and personal & recreation services all saw large confidence gains.

How does this impact our broader view for late 2021 and into 2022? Certainly these results suggest ongoing recovery from the pandemic. There are some signs of retail price pressures, but little to suggest a breakout beyond the RBA’s target band at this stage. It remains unclear whether the lockdown-induced online retail surge continues at the expense of bricks and mortar stores. Ultimately this is a compositional question, not a reflection on the strength of overall consumer spending. We will have a better read on these potential trends in coming weeks and months.

Year-on-year growth (% s.a.)			
	Aug-21	Sep-21	Oct-21
NAB Cashless Index*	4.0	7.3	9.4
ABS Retail Trade	-0.7	1.7	--
NAB ABS Retail Trade forecast	-2.3	0.2	1.6

Month-on-month growth (% s.a.)			
	Aug-21	Sep-21	Oct-21
NAB Cashless Index*	0.2	2.7	2.8
ABS retail Trade	-1.7	1.3	--
NAB ABS Retail Trade forecast	-1.6	2.0	2.8

Sources: NAB, Australian Bureau of Statistics (ABS). *Data seasonally adjusted (s.a.) using TRAMO/SEATS with a trading-day and Easter adjustment.

Chart 1: Cashless and total retail sales

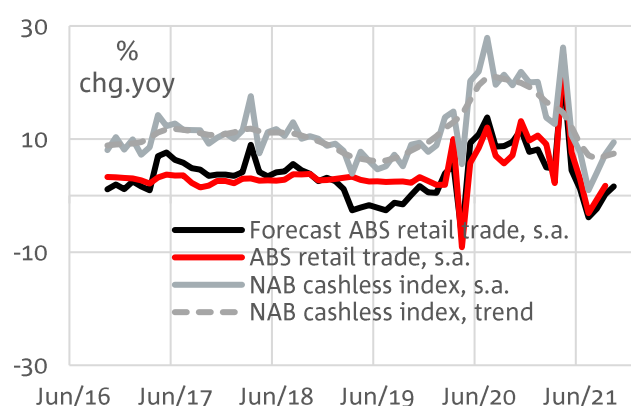
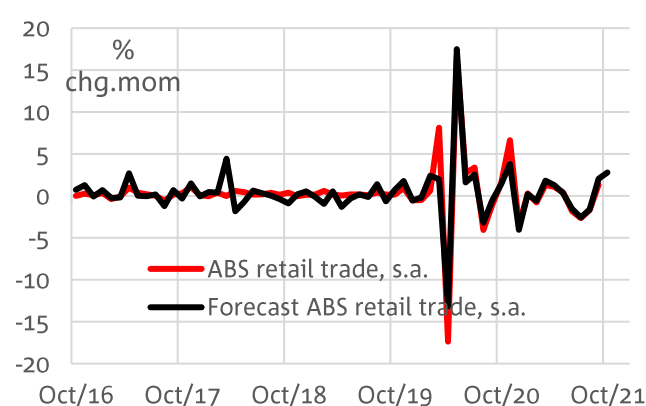


Chart 2: ABS and forecast ABS retail trade data, s.a

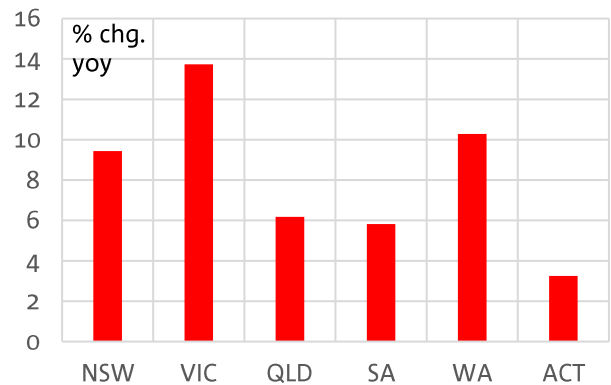


DETAILED CHARTS

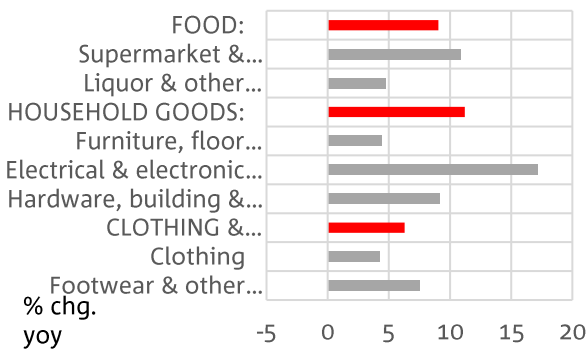
Chart 3: Cashless retail sales by industry, s.a.



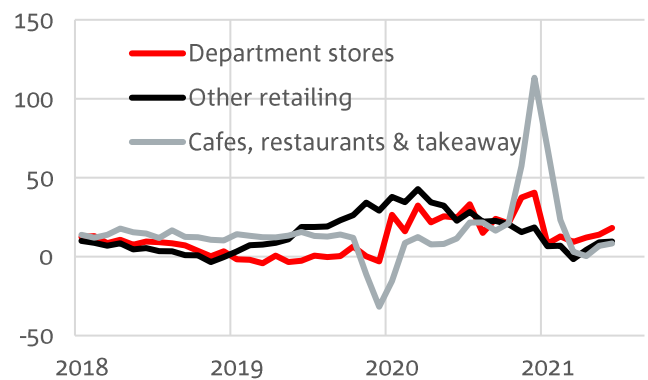
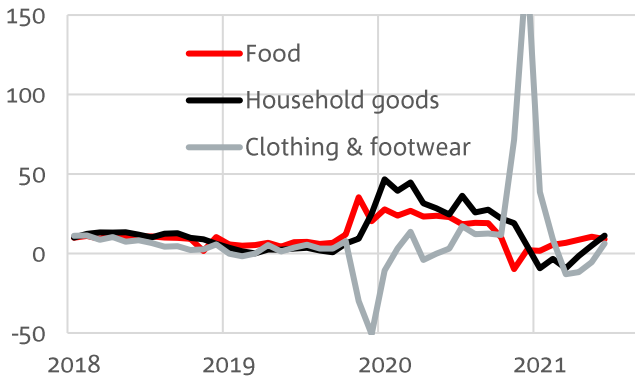
Chart 4: Cashless retail sales by state, s.a.



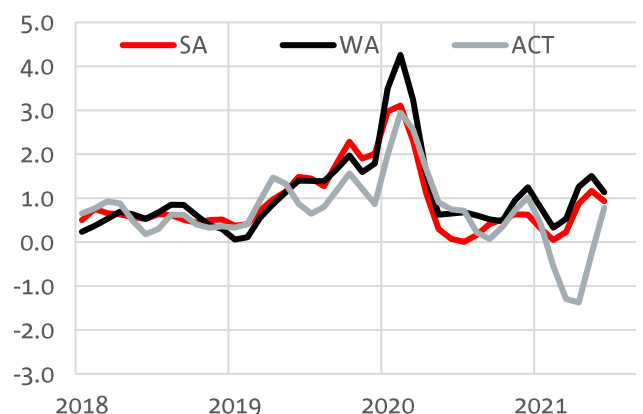
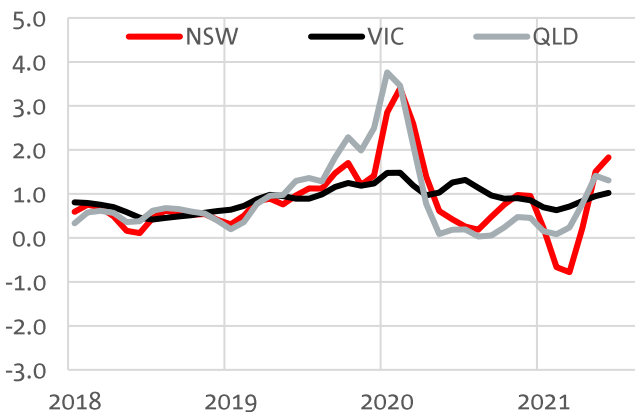
Charts 5&6: Cashless retail sales by sub-industry, s.a.



Charts 7&8: Cashless sales by industry, s.a % chg. yoy



Charts 9&10: Cashless sales by state, trend



ABOUT THE INDEX

The NAB Cashless Retail Index is broader than the NAB Online Retail Index and measures all cashless retail spending by consumers using debit and credit cards (both in person and online), BPAY and Paypal. The index is derived from personal transaction data from NAB platforms (around 2 million transactions per day) and offers a 2-3 week lead on ABS retail trade data. Likely reflecting the increasing popularity of online and contactless payments, the NAB Cashless Retail Index has continued to outpace the ABS measure of retail.

RBA research suggests 18% of the value of retail trade occurred via cash in 2016. We use mapping equations to forecast the official ABS measure of retail trade. Over time, the growth rates of the two series are likely to come together, hastened this year by the decline in the use of cash.

AUTHORS

Alan Oster, Group Chief Economist, +61 414 444 652, Alan.Oster@nab.com.au

Phin Ziebell Senior Economist, +61 475 940 662

Brien McDonald, Senior Economist, brien.mcdonald@nab.com.au

APPENDIX: METHODOLOGY AND COMPARISON WITH ABS RETAIL TRADE

The NAB Cashless Retail Sales Index is derived from NAB transactions data that have been assigned from particular merchant codes to retail industries by state. NAB electronic transactions data are based on an average 2 million transactions per day. The data are collected in real time at event record level, which allows significant flexibility to segment the data by time, location and merchant type. Transactions data may include EFTPOS, Credit Card, BPAY, Bank Transfers, Direct Debits and Paypal services where available, and include transactions with Australian and international merchants. Spending includes both online and offline transactions. The data excludes cash withdrawals made during a purchase and purchases made offline in an overseas location.

The data only capture electronic retail transactions (and not those through cash payments), hence it is subject to the changing nature and take-up rate of electronic payment methods relative to cash. Any growth in the overall transaction value may be attributable to either an increased preference towards card-based payments by consumers (such as near-field payment “PayWave”), or a higher level of spending across the economy by consumers, i.e. a pick-up in nominal sales. However, it is currently not possible to differentiate between these effects. Customer spending is based on where the customer lives, which may or may not be where the actual spending activity occurs. Customers without an Australian residential address are excluded.

These estimates are aggregated into national industries by applying to them the state shares of each industry from the ABS retail trade publication. State estimates are aggregated by applying the industry shares of each state from the same source. These adjustments are intended to correct for differences between the incidence of NAB transactions across industries and states when compared with the official ABS data.

The industry and state data have been seasonally adjusted using Tramo-SEATS with a trading day and Easter adjustment. Given the relatively short time frame for the data, this seasonal adjustment process should be regarded as provisional: estimates are likely to change as a longer run of data becomes available, and can be revised from month-to-month given the concurrent process. The trends have been extracted from the same process.

Our aim is to have a data series that is as reflective as possible of retail spend. As such each month we will revise previous data to take into account changes in payment processing such as chargebacks and delayed payments. Given these attributes, typically, larger revisions occur to the most recent months, and diminish as the data ages.

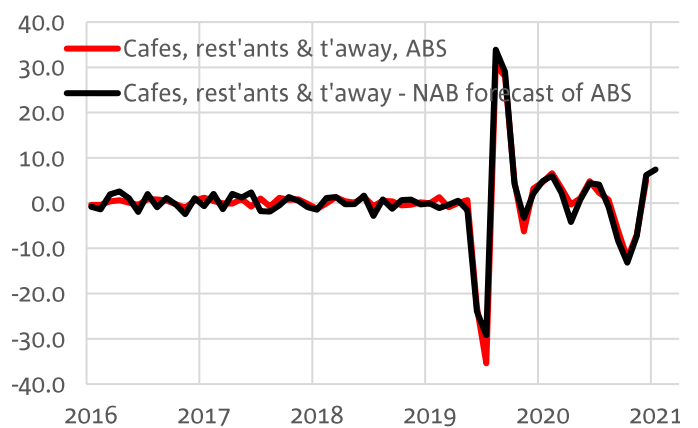
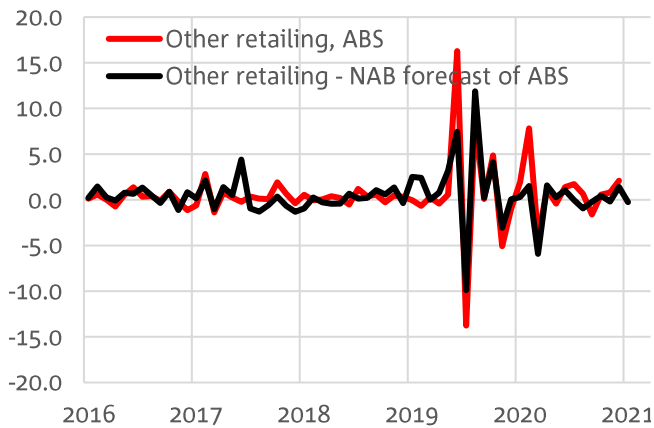
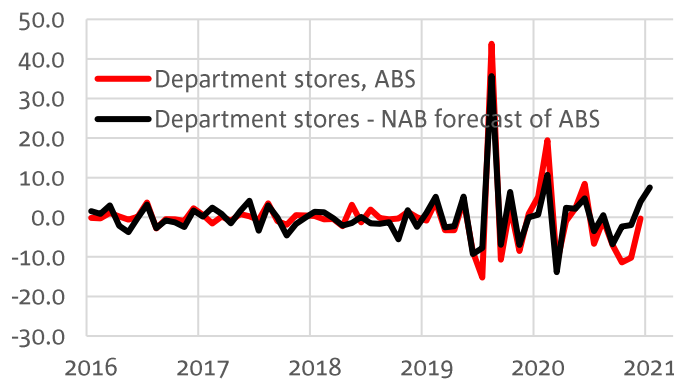
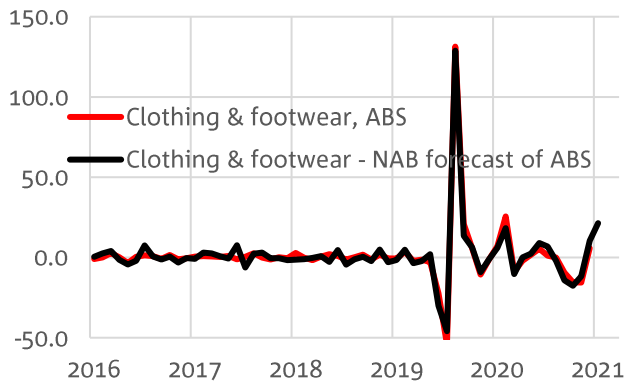
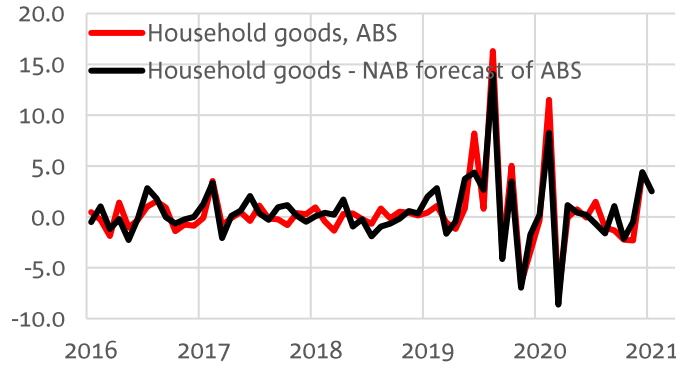
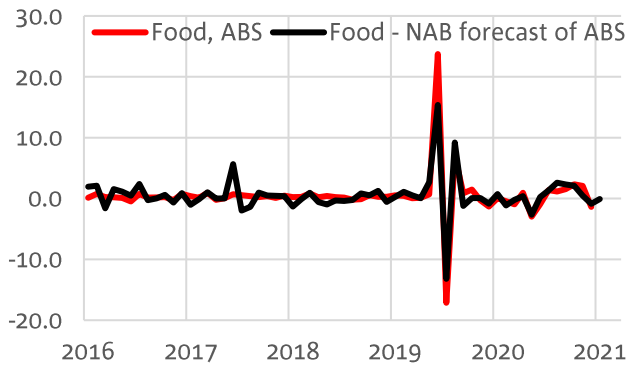
After appropriate weighting and seasonal adjustment, the components of NAB’s cashless retail index (food, household goods, clothing & footwear, department stores, other retailing and cafes, restaurants & takeaway) can generate predictions of the corresponding ABS retail trade series. Aggregating these provides a forecast of total ABS retail trade.

The charts in the appendix show the relationship between the ABS total and NAB Cashless retail sales measures mapped to the ABS using monthly seasonally adjusted data, for the main retail industry groups. The sources of difference between the two series are:

- The inclusion of cash transactions in the ABS measure and changes in their share of total transactions. This share may begin to stabilise as the penetration of contactless payment systems reaches a limit reflecting minimum spend requirements for cashless transactions and because of the existence of a proportion of merchants who deal only in cash.
- The NAB data include a larger share of online transactions (7%) than the ABS (3%).
- Changes in NAB’s market share of cashless transactions.
- Differences between the seasonality in the ABS and NAB series.

Therefore, the forecasts from the use of the NAB Cashless Retail Index should be used with caution.

Comparisons between mapped NAB series and ABS data by retail industry group, s.a. % change m/m



Group Economics

Alan Oster
Group Chief Economist
+(61 0) 414 444 652

Jacqui Brand
Executive Assistant
+(61 0) 477 716 540

Dean Pearson
Head of Behavioural &
Industry Economics
+(61 0) 457 517 342

Australian Economics and Commodities

Gareth Spence
Senior Economist
+(61 0) 436 606 175

Brody Viney
Senior Economist
+(61 0) 452 673 400

Phin Ziebell
Senior Economist
+(61 0) 475 940 662

Behavioural & Industry Economics

Robert De Iure
Senior Economist –
Behavioural & Industry
Economics
+(61 0) 477 723 769

Brien McDonald
Senior Economist –
Behavioural & Industry
Economics
+(61 0) 455 052 520

Steven Wu
Senior Economist –
Behavioural & Industry
Economics
+(61 0) 472 808 952

International Economics

Tony Kelly
Senior Economist
+(61 0) 477 746 237

Gerard Burg
Senior Economist –
International
+(61 0) 477 723 768

Global Markets Research

Ivan Colhoun
Global Head of Research
+(61 2) 9293 7168

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