# WESTPAC CARD TRACKER 7 JULY 2023.



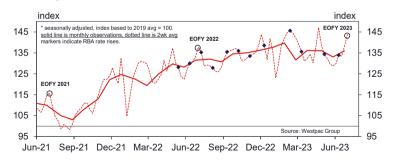


# **Card activity remains weak despite EOFY boost**



- The Westpac Card Tracker Index lifted over the last two weeks of June, rising 11.4pts to 143. Much of the gain looks to be due to the end of financial year (EOFY) which sees a significant sales push as retailers look to clear inventory and target buyers with scope to claim tax advantages from expenses made before the new tax year. Allowing for regular seasonality, the underlying quarterly growth momentum is still weak, holding firmly in negative territory.
- EOFY is not the biggest event but has a discernible impact on sales, especially in the hardware, vehicle-related and professional services categories. This year's sales have seen a lift week to week but look to be down a touch on a year ago – 'non-food' discretionary card activity 1.2% lower than in EOFY 2022. Also of note: this is the first 'sales event' to record an annual decline since the COVID-affected sales in 2021.
- Consistent with this theme, the rally over the last two weeks in centred on discretionary goods, led by major durables subcategories. Again though, this is in the context of a weak underlying trend, activity in this major category still down 1-2%yr. Annual growth in discretionary services has continued to slow, remains stalled around zero for essential goods but is holding firm around 8%yr for essential services (reflecting price increases in many cases). Activity by state continues to show weaker conditions in NSW and Vic, where per capita card activity is declining.
- In this report we again take a closer look at activity by transaction size, focussing on the vehicle-related category. The breakdown shows a more varied spread than in other categories, with medium and high value transactions likely capturing specific areas of expenditure, namely parts, repairs, and car purchases.

## 1. Westpac Card Tracker Index



# "... quarterly growth momentum ... holding firmly in negative territory."

The **Westpac Card Tracker** presents indicators based on the millions of credit and debit card transactions processed by Westpac every day. The measures are a timely guide to shifts in spending. See p11 for a full explanation.

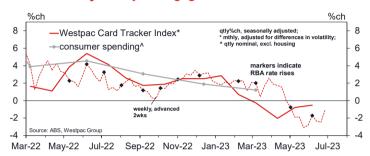
This report is produced by Westpac Economics. **Matthew Hassan**, Senior Economist **Uma Choudhury**, Graduate Email: economics@westpac.com.au This issue was finalised on 7 July 2023.

If you would like more insights into your sector or your own business from this and other Westpac data please visit Westpac DataX or contact datax@westpac.com.au.

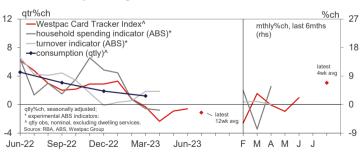
# **Growth momentum remains firmly negative**



## 2. Card activity and spending: growth momentum



# 3. Consumer spending: selected indicators



- Chart 2 shows the Westpac Card Tracker's quarterly growth pace alongside nominal spending growth from the national accounts. The full wash-up to June shows card activity down 0.6%qtr in seasonally adjusted terms. That compares to a 0.3%qtr decline in Q1 and a 2.9%qtr gain in Q4. The material slowing since the start of the year looks to carried through to mid-year, deepening a touch. The last few weekly reads have shown a slight improvement but with momentum still firmly in negative territory.
- The weakness should be corroborated by other data sources in coming weeks. Chart 3 shows our card activity measure alongside two monthly indicators from the ABS that also offer timely reads - a similar card-based measure of spending, and one based on monthly tax statements of consumer-related businesses. May updates are on July 10 and July 11 respectively.

qtly%ch	Q4	Q1	Q2	latest						
Westpac Card Tracker*	2.9	-0.3	-0.6	-1.1						
Other indicators (nomina	ıl)									
Household spending*	4.9	-0.6	n.a.	-0.8						
Turnover*	-0.1	1.9	n.a.	1.9						
Consumer spending (qtly)#										
Nominal	1.9	1.2	n.a.	n.a.						
Real	0.2	0.2	n.a.	n.a.						
A.D			0/ 1	10 1 )						

All series are seasonally adjusted, latest is latest weekly obs (12wks %ch on previous 12wks) or latest monthly obs (3mths %ch on previous 3mths). See p11 for more details.

\* ABS experimental measures. Household spending indicator based on bank transaction

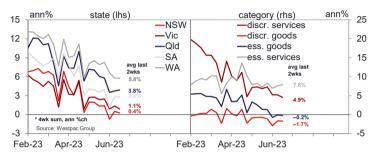
ABS experimental measures. Household spending indicator based on bank transaction data (seasonally adjusted by Westpac). Turnover based on BAS returns for consumer-sector businesses: #Consumer spending excludes housing costs.

Sources: ABS, Westpac Group

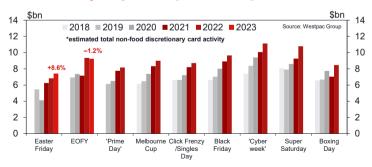
# **EOFY activity down slighly on 2022**



# 4. Card activity by state, major category



# 5. Card activity: major sales periods compared



- Growth in card activity held steady over the last 2wks for most states, a modest lift in SA the main exception.
- As noted, activity was clearly influenced by the End of Financial Year (EOFY). While its not the biggest or highest profile sales event, EOFY is still significant. In 2022, the final week of June was the fourth biggest week of the year for non-food discretionary card activity, beaten only by Black Friday, 'cyber-week' and the 'Super Saturday' sales just prior to Christmas. The detail shows EOFY can be particularly lucrative for hardware, vehicle-related, and professional services, the latter likely also capturing advice and services relating to the preparation of tax returns. This year's results look to be down a touch on 2022 'non-food' discretionary card activity -1.2%yr.

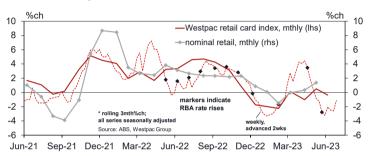
	Apr	May	Jun	1/7						
Westpac Card Tracker*	136.0	133.1	136.0	143.0						
By category (not seasonally adjusted)										
- discretionary	129.1	134.2	133.3	144.1						
- essential	126.8	133.8	126.9	128.9						
By state (not seasonally adjusted)										
- NSW	124.3	130.2	126.7	133.0						
- Vic	127.9	134.1	131.4	139.2						
- Qld	138.0	142.8	140.8	150.3						
- WA	135.3	141.6	138.0	147.0						
- SA	134.7	140.7	137.0	146.2						

All indexes based on the value of spending-related transactions, 2019 avg=100, see p11 for more details incl. classifications. \* Headline index is seasonally adjusted, all other indexes are unadjusted.

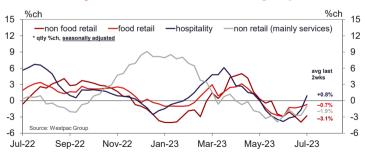
# Retail improves slightly, led by hospitality



# 6. Card activity: retail



# 7. Card activity: broad retail and non-retail groups



- Our retail card index also posed a strong lift over the last two weeks of June, rising 11.6pts to just over 146, the highest level since late Feb.
- The detail shows the latest improvement has been led by hospitality, where momentum has moved back into slight positive territory in quarterly seasonally adjusted terms. Food retail has also improved a touch but is still moving lower on a quarterly basis. Interestingly, non food retail continues to decline apace despite the EOFY boost to durables spend.
- Official ABS data showed a better than expected 0.7%mth gain in retail sales for May, led by 'small-ticket' discretionary categories. Notably, online sales posted a strong 4.3%mth decline with in-store sales up just 0.2%mth (see here for more).

	Apr	May	Jun	1/7
By retail/non retail				
Retail card index*	141.2	141.3	139.3	146.2
- qtly%ch	-1.0	0.5	-0.4	-1.1
- qtly, ann%ch	4.6	3.8	2.2	2.7
Non-retail card index	130.2	123.9	132.3	140.0
ABS retail sales				
- %ch	0.0	0.7	n.a.	n.a.
- ann%ch	4.3	4.2	n.a.	n.a.
- qtly%ch	0.3	1.4	n.a.	n.a.
- qtly ann%ch	5.3	4.6	n.a.	n.a.

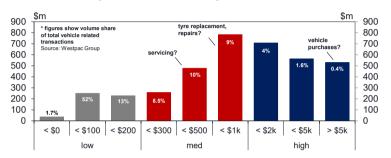
All indexes based on the value of spending-related transactions, 2019 avg=100, see p11 for more details. Retail card index seasonally adjusted using ABS series. All other Indexes are not seasonally unadjusted.

Sources: ABS, Westpac Group

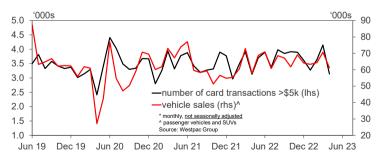
# **Detail shows varied drivers of vehicle-related spend**



## 8. Card activity, vehicle-related by transaction size



## 9. Number of vehicle-related card transactions vs vehicle sales

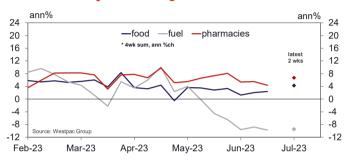


- Our last report delved into the more granular card data looking at variations in activity across different transaction size ranges (see <a href="here">here</a>). Here we explore the data further, looking more specifically at vehicle-related activity.
- Chart 8 shows the distribution of vehicle-related card activity across different transaction bands, broadly classed into 'low' (<\$200), 'medium' (\$200-\$1000) and 'high' (>\$1000). As with activity more generally, 'low' value transactions dominate volumes, transactions under \$100 accounting for just over half of all activity in the category. However, the total value of transactions are dominated by higher value activity. Medium-value transactions in the \$500-\$1000 bucket have the highest share, with just under half of all transactions by value in the over \$1000 range.
- We strongly suspect these buckets capture particular types of spend. The \$500-\$1000 range for example coincides with the rough cost of a full set of new car tyres and may cover many other parts and minor repairs. The \$300-500 range may have more to do with payments for vehicle servicing and smaller parts (e.g. single tyres).
- At least some of the 'high' category also looks to be car purchases. Chart 9 shows the number of card transaction at the very top end of the range (>\$5000k) alongside monthly vehicle sales as reported by the FCAI. The correlation is clear (technically, the correlation coefficient is 0.55). It also highlights the value of insights from this approach - these transactions account for just a sliver (0.4%) of all vehicle-related transactions but potentially provide an early warning signal for a highly cyclical bellwether of discretionary spending.

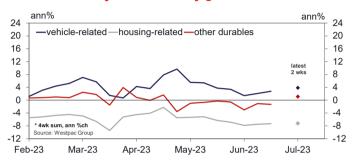
# **Detailed charts**



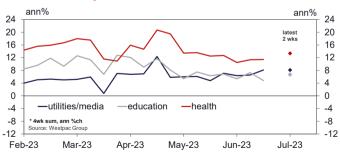
# 10. Card activity: essential goods



# 11. Card activity: discretionary goods



# 12. Card activity: essential services



# 13. Card activity: discretionary services



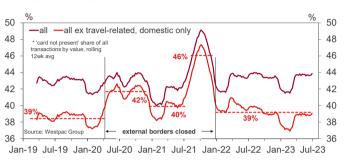
# **Detailed charts**



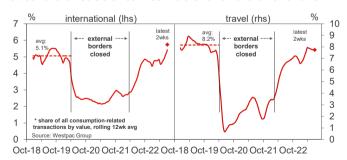
# 14. Card activity and spending: growth momentum, vols



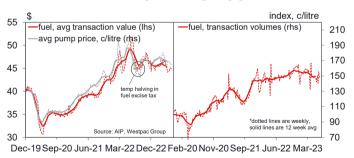
## 15. Card transactions: international share



## 16. Card transactions: international and travel share



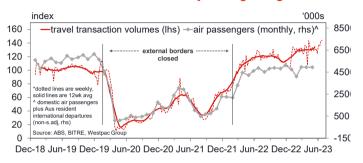
# 17. Card transactions: petrol vs pump prices



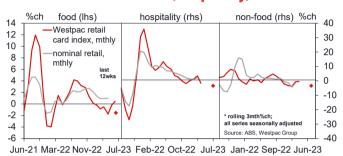
# **Detailed charts**



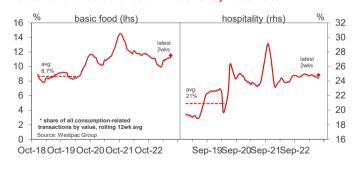
## 18. Card transactions: travel vs passenger flights



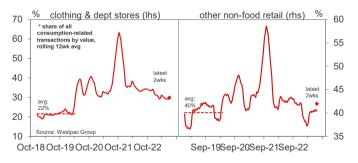
## 19. Card transactions: food, hospitality, non-food retail



# 20. Card transactions: online share, food retail



## 21. Card transactions: online share, non-food retail



# **Westpac card indicators\***



	2021			2022				2023				week e	endina:		
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Apr	May	Jun^	10/6	17/6	24/6	1/7
Westpac Card Tracker Index	112.2	105.4	120.0	122.2	129.8	132.4	136.2	135.8	136.0	133.1	136.0	135.3	131.7	144.6	143.0
qtly%ch	2.1	-6.1	13.9	1.9	6.2	2.0	2.9	-0.3	-2.3	-0.9	-0.6	-2.0	-2.7	-2.8	-1.1
qtly, ann%ch	23.7	3.3	11.3	11.2	15.7	25.7	13.6	11.1	8.0	5.9	4.0	4.8	3.9	4.1	4.8
By category (not seasonally adjusted)															
- discretionary	108.9	100.2	127.3	115.1	127.6	134.4	146.3	130.0	129.1	134.2	133.3	130.5	128.5	140.1	144.1
- essential	109.3	116.4	123.6	121.1	123.9	130.9	136.1	130.2	126.8	133.8	126.9	130.6	120.4	135.5	128.9
services	98.7	86.2	103.8	106.5	120.1	128.9	130.1	129.0	126.5	133.2	130.8	129.3	127.7	138.4	137.2
- discretionary services	95.7	78.2	101.7	104.4	122.1	130.3	133.1	130.1	130.1	133.0	132.7	129.5	132.7	139.2	139.8
- essential services	107.7	109.9	110.2	113.1	114.1	124.8	121.3	125.7	115.6	134.0	125.1	128.7	113.1	135.8	129.6
goods	117.8	122.9	145.0	126.4	131.6	136.8	153.4	130.9	129.8	134.7	131.2	131.6	123.9	138.5	139.9
- discretionary goods	124.0	125.7	157.0	127.5	133.9	139.1	161.4	129.7	127.9	135.6	134.0	131.7	123.7	141.0	148.9
- essential goods	110.1	119.5	130.1	124.9	128.6	133.9	143.3	132.4	132.2	133.7	127.8	131.5	124.0	135.3	128.5
retail^	123.5	123.7	129.3	133.1	137.5	143.4	140.9	141.1	141.2	141.3	139.3	139.3	134.6	146.7	146.2
qtly%ch	1.7	0.2	4.5	2.9	3.3	4.3	-1.7	0.1	-1.0	0.5	-0.4	-2.0	-2.5	-2.6	-1.1
qtly, ann%ch	14.4	2.7	8.6	9.5	11.3	15.9	8.9	6.0	4.6	3.8	2.2	3.0	2.1	2.3	2.7
By state (not seasonally adjusted)															
- NSW	108.4	98.9	124.8	114.7	124.6	130.2	139.6	125.9	124.3	130.2	126.7	126.5	119.4	136.2	133.0
- Vic	108.1	103.1	127.1	119.4	127.9	133.3	143.8	129.6	127.9	134.1	131.4	130.9	127.9	137.0	139.2
- Qld	113.8	117.8	131.7	120.8	131.6	140.7	151.6	138.2	138.0	142.8	140.8	140.4	137.1	146.4	150.3
- WA	111.3	117.7	129.4	119.5	127.1	135.1	147.6	136.5	135.3	141.6	138.0	135.8	137.2	142.6	147.0
- SA	114.2	117.3	132.0	121.0	131.0	138.8	150.0	136.7	134.7	140.7	137.0	136.4	124.9	149.6	146.2

All indexes based on the value of spending-related transactions, 2019 avg=100. See p11 for more details. Headline and retail indexes are seasonally adjusted. All other indexes are not seasonally adjusted.

^composite based on transactions in retail categories, seasonally adjusted using ABS series.

Sources: ABS, 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 metrics used in this report are indexes of spending-related card activity where the base of 100 is average activity in 2019. As an example, if transaction flows are 5% above their average level in 2019, the index read for the period is 105. If flows in a subsequent period are 8% above the average level in 2019, the index read for this period is 108. Growth between the two periods can be calculated simply as the change between the two index reads, i.e. 2.9%.

For our headline measure, activity is adjusted for regular seasonality using historical card data from the RBA. All other indexes are based on non-seasonally adjusted data and should be treated with additional caution. We will seek to produce seasonally adjusted versions of these indexes as more data becomes available.

Note that previous versions of this report used an alternative index measure that was 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 in 2020. See the 'About the Westpac card data indicators' sections from these reports for more detail.

#### 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 <a href="https://example.com/host-exposed">here</a> 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.

# **Westpac Economics directory**



#### Sydney

Level 2, 275 Kent Street Sydney NSW 2000 Telephone (61-2) 8254 8720 Facsimile (61-2) 8254 6907

#### **Bill Evans**

Chief Economist Global Head of Economics & Research

#### **Andrew Hanlan**

Senior Economist

#### **Matthew Hassan**

Senior Economist

#### **Justin Smirk**

Senior Economist

#### **Elliot Clarke**

Senior Economist

#### Ryan Wells

**Economist** 

#### **Auckland**

Takutai on the Square Level 8, 16 Takutai Square Auckland, New Zealand Telephone (64-9) 336 5671 Facsimile (64-9) 336 5672

#### Michael Gordon

Acting Chief Economist, New Zealand

#### Satish Ranchhod

Senior Economist

#### **Paul Clark**

Industry Economist

#### **Nathan Penny**

Senior Agri Economist

#### London

Camomile Court, 23 Camomile St, London EC3A 7LL United Kingdom

#### Singapore

12 Marina View #27-00, Asia Square Tower 2 Singapore, 018961

#### **New York**

39<sup>th</sup> Floor 575 Fifth Avenue New York, 10017 USA

Publication enquiries, Westpac Economics, economics@westpac.com.au

# **DISCLAIMER**



© Copyright 2023 Westpac Banking Corporation

#### Things you should know.

Westpac Institutional Bank is a division of Westpac Banking Corporation ABN 33 007 457 141 ('Westpac').

#### Disclaimer

Westpac Banking Corporation and its related bodies corporate (Westpac) takes reasonable steps to ensure that its proprietary data used is accurate and any opinions, conclusions or recommendations are reasonably held or made as at the time of compilation of this report. As the statistics take into account only the Westpac's data, no representation or warranty is made as to the completeness of the data and it may not reflect all trends in the market. All customer data used, or represented, in this report is de-identified and aggregated before analysis and is used, and disclosed, in accordance with the Westpac's Privacy Policy.

This material contains general commentary only and is not intended to constitute or be relied upon as personal financial advice. To the extent that this material contains any general advice, it has been prepared without taking into account your objectives, financial situation or needs, and because of this, you should, before acting on it, consider the appropriateness of the advice, having regard to your objectives, financial situation and needs, and, the disclosure documents (including any product disclosure statement) of any financial product you may consider. Certain types of transactions, including those involving futures, options and high yield securities give rise to substantial risk and are not suitable for all investors. We recommend that you seek your own independent legal or financial advice before proceeding with any investment decision. This material may contain material provided by third parties. While such material is published with the necessary permission none of Westpac or its related entities accepts any responsibility for the accuracy or completeness of any such material. Although we have made every effort to ensure the information is free from error, none of Westpac or its related entities warrants the accuracy, adequacy or completeness of the information, or otherwise endorses it in any way. Except where contrary to law, Westpac and its related entities intend by this notice to exclude liability for the information. The information is subject to change without notice and none of Westpac or its related entities in under any obligation to update the information or correct any inaccuracy which may become apparent at a later date. The information contained in this material does not constitute an offer, a solicitation of an offer, or an inducement to subscribe for, purchase or sell any financial instrument or to enter a legally binding contract. Past performance is not a reliable indicator of future performance. Whilst every effort has been taken to ensure that the assumptions on which the foreca

#### Country disclosures

Australia: Westpac holds an Australian Financial Services Licence (No. 233714). This material is provided to you solely for your own use and in your capacity as a client of Westpac.

For XYLO Foreign Exchange clients: This information is provided to you solely for your own use and is not to be distributed to any third parties. XYLO Foreign Exchange is a division of Westpac Banking Corporation ABN 33 007 457 141 and Australian credit licence 233714. Information is current as at date shown on the publication. This information has been prepared without taking account of your objectives, financial situation or needs. Because of this you should, before acting on this information, consider its appropriateness, having regard to your objectives, financial situation or needs. XYLO Foreign Exchange's combined Financial Services Guide and Product Disclosure Statement can be obtained by calling XYLO Foreign Exchange on 1300 995 639, or by emailing customercare@XYLO.com.au.

New Zealand: In New Zealand, Westpac Institutional Bank refers to the brand under which products and services are provided by either Westpac or Westpac New Zealand Limited ("WNZL"). Any product or service made available by WNZL does not represent an offer from Westpac or any of its subsidiaries (other than WNZL). Neither Westpac nor its other subsidiaries guarantee or otherwise support the performance of WNZL in respect of any such product. The current disclosure statements for the New Zealand branch of Westpac and WNZL can be obtained at the internet address www.westpac.co.nz. For further information please refer to the Product Disclosure Statement (available from your Relationship Manager) for any product for which a Product Disclosure Statement is required, or applicable customer agreement. Download the Westpac NZ QFE Group Financial Advisers Act 2008 Disclosure Statement at www.westpac.co.nz.



China, Hong Kong, Singapore and India: This material has been prepared and issued for distribution in Singapore to institutional investors, accredited investors and expert investors (as defined in the applicable Singapore laws and regulations) only. Recipients in Singapore of this material should contact Westpac Singapore Branch notes any matters arising from, or in connection with, this material. Westpac Singapore Branch holds a wholesale banking licence and is subject to supervision by the Monetary Authority of Singapore. Westpac Hong Kong Branch holds a banking license and is subject to supervision by the Hong Kong Monetary Authority. Westpac Hong Kong branch also holds a license issued by the Hong Kong Securities and Futures Commission (SFC) for Type 1 and Type 4 regulated activities. This material is intended only to "professional investors" as defined in the Securities and Futures Ordinance and any rules mAade under that Ordinance. Westpac Shanghai and Beijing Branches hold banking licenses and are subject to supervision by the China Banking and Insurance Regulatory Commission (CBIRC). Westpac Mumbai Branch holds a banking license from Reserve Bank of India (RBI) and subject to regulation and supervision by the RBI.

**UK:** The contents of this communication, which have been prepared by and are the sole responsibility of Westpac Banking Corporation London and Westpac Europe Limited. Westpac (a) has its principal place of business in the United Kingdom at Camomile Court, 23 Camomile Street, London EC3A 7LL, and is registered at Cardiff in the UK (as Branch No. BR00106), and (b) authorised and regulated by the Australian Prudential Regulation Authority in Australia. Westpac is authorised in the United Kingdom by the Prudential Regulation Authority. Westpac is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request. Westpac Europe Limited is a company registered in England (number 05660023) and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

This communication is being made only to and is directed at (a) persons who have professional experience in matters relating to investments who fall within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order") or (b) high net worth entities, and other persons to whom it may otherwise lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (all such persons together being referred to as "relevant persons"). Any person who is not a relevant person should not act or rely on this communication or any of its contents. The investments to which this communication relates are only available to and any invitation, offer or agreement to subscribe, purchase or otherwise acquire such investments will be engaged in only with, relevant persons. Any person who is not a relevant person should not act or rely upon this communication or any of its contents. In the same way, the information contained in this communication is intended for "eligible counterparties" and "professional clients" as defined by the rules of the Financial Conduct Authority and is not intended for "retail clients". With this in mind, Westpac expressly prohibits you from passing on the information in this communication to any third party. In particular this communication and, in each case, any copies thereof may not be taken, transmitted or distributed, directly or indirectly into any restricted jurisdiction. This communication is made in compliance with the Market Abuse Regulation (Regulation (Regulation (EU) 596/2014).

#### Investment Recommendations Disclosure

The material may contain investment recommendations, including information recommending an investment strategy. Reasonable steps have been taken to ensure that the material is presented in a clear, accurate and objective manner. Investment Recommendations for Financial Instruments covered by MAR are made in compliance with Article 20 MAR. Westpac does not apply MAR Investment Recommendation requirements to Spot Foreign Exchange which is out of scope for MAR.

Unless otherwise indicated, there are no planned updates to this Investment Recommendation at the time of publication. Westpac has no obligation to update, modify or amend this Investment Recommendation or to notify the recipients of this Investment Recommendation should any information, including opinion, forecast or estimate set out in this Investment Recommendation change or subsequently become inaccurate.

Westpac will from time to time dispose of and acquire financial instruments of companies covered in this Investment Recommendation as principal and act as a market maker or liquidity provider in such financial instruments.



Westpac does not have any proprietary positions in equity shares of issuers that are the subject of an investment recommendation. Westpac may have provided investment banking services to the issuer in the course of the past 12 months.

Westpac does not permit any issuer to see or comment on any investment recommendation prior to its completion and distribution. Individuals who produce investment recommendations are not permitted to undertake any transactions in any financial instruments or derivatives in relation to the issuers covered by the investment recommendations they produce.

Westpac has implemented policies and procedures, which are designed to ensure conflicts of interests are managed consistently and appropriately, and to treat clients fairly.

The following arrangements have been adopted for the avoidance and prevention of conflicts in interests associated with the provision of investment recommendations.

- Chinese Wall/Cell arrangements;
- ii. physical separation of various Business/Support Units;
- iii. Strict and well defined wall/cell crossing procedures;
- iv. a "need to know" policy:
- v. documented and well defined procedures for dealing with conflicts of interest;
- Vi. reasonable steps by Compliance to ensure that the Chinese Wall/Cell arrangements remain effective and that such arrangements are adequately monitored.

**U.S.:** Westpac operates in the United States of America as a federally licensed branch, regulated by the Office of the Comptroller of the Currency. Westpac is also registered with the US Commodity Futures Trading Commission ("CFTC") as a Swap Dealer, but is neither registered as, or affiliated with, a Futures Commission Merchant registered with the US CFTC. Westpac Capital Markets, LLC ("WCM"), a wholly-owned subsidiary of Westpac, is a broker-dealer registered under the U.S. Securities Exchange Act of 1934 ('the Exchange Act') and member of the Financial Industry Regulatory Authority ("FINRA"). This communication is provided for distribution to U.S. institutional investors in reliance on the exemption from registration provided by Rule 15a-6 under the Exchange Act and is not subject to all of the independence and disclosure standards applicable to debt research reports prepared for retail investors in the United States. WCM is the U.S. distributor of this communication and accepts responsibility for the contents of this communication. All disclaimers set out with respect to Westpac apply equally to WCM. If you would leave the States with the U.S. distributor of the contents of this common regarding any security mentioned herein, please contact WCM on +1 212 389 1269. All disclaimers set out with respect to Westpac apply equally to WCM.

Investing in any non-U.S. securities or related financial instruments mentioned in this communication may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the SEC in the United States. Information on such non-U.S. securities or related financial instruments may be limited. Non-U.S. companies may not subject to audit and reporting standards and regulatory requirements comparable to those in effect in the United States. The value of any investment or income from any securities or related derivative instruments denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related derivative instruments.

The author of this communication is employed by Westpac and is not registered or qualified as a research analyst, representative, or associated person under the rules of FINRA, any other U.S. self-regulatory organisation, or the laws, rules or regulations of any State. Unless otherwise specifically stated, the views expressed herein are solely those of the author and may differ from the information, views or analysis expressed by Westpac and/or its affiliates.

