

WEALTHTECH RESEARCH & ADVISORY SERVICE: ONLINE BROKERAGE SERIES | MAY 2023

Returning Engagement Expands the Primary Bank Relationship Opportunity



ABOUT PARAMETERINSIGHTS' WEALTHTECH RESEARCH & ADVISORY SERVICE

Innovation in the North American financial services market is fast approaching a point of inflection. Near-ubiquitous mobile access, multichannel delivery, and technological evolution are rapidly altering consumer attitudes, behaviors, and expectations.

Annual subscription to ParameterInsights' WealthTech Research and Advisory Service comprises two separate reporting series. The first is a three-part series covering the evolving wealth advice category with a focus on modernization of wealth advice. The second is a three-part series covering self-directed investing via online brokerages.

BOTH SERIES PROVIDE TIMELY AND RELEVANT ANALYSES THAT SURFACE UNMET CONSUMER NEEDS, EVALUATE CURRENT MARKET PARTICIPANTS, AND PROVIDE IN-DEPTH DISCUSSION AND IMPLICATIONS OF KEY RESULTS AIMED AT GIVING OUR SUBSCRIBERS AN EDGE.

ABOUT PARAMETERINSIGHTS

PARAMETERINSIGHTS IS WHERE DATA MEETS STRATEGY: SIMPLY AND RELIABLY.

We combine deep sector expertise with custom research to provide our clients with data-driven and highly consultative solutions.

INTRO / PREFACE

THIS REPORT PRESENTS IMPORTANT CONSUMER-DRIVEN INSIGHTS FOR PLAYERS IN THE SELF-DIRECTED INVESTING SPACE IN NORTH AMERICA.

Core topics are divided into three broad themes:

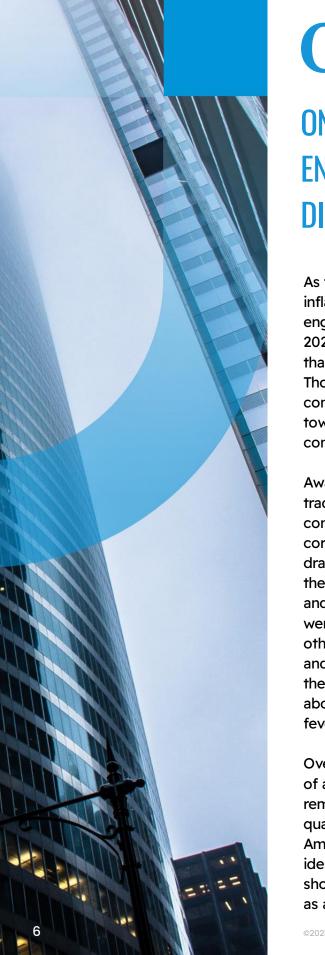
- How are trends in consumer engagement with self-directed
 investing being affected by the tumultuous macro environment and market volatility?
- To what extent does the primary banking relationship impact
 client awareness and usage of online brokerages offered by the parent bank brand?
- Have market conditions scared consumers away from alternative investments? How are understanding and engagement trending for crypto and ESG?

LIST OF TABLES AND FIGURES

Figure 1: Trends in net brand awareness for North America	22
Table 1: Year-over-year changes in net brokerage brand awareness by demographics: Total sample	22
Figure 2: Year-over-year changes in brokerage brand awareness: Total sample	23
Figure 3: Year-over-year changes in brokerage brand awareness: Total sample	24
Figure 3: Trends in net brokerage brand usage for North America	25
Table 2: Year-over-year changes in net brokerage brand usage by demographics: Total sample	25
Figure 5: Year-over-year changes in brokerage brand usage: Total sample - Canada	26
Figure 6: Year-over-year changes in brokerage brand usage: Total sample - US	27
Figure 7: Year-over-year changes in primary financial institution: Total sample - Canada	28
Figure 8: Awareness and usage of bank-led brokerages: Total sample vs. Primary bank customers - Canada	29
Table 3: Awareness and usage of bank-led brokerages: Total sample vs. Primary bank customers - Canada	30
Figure 9: Year-over-year changes in primary financial institution: Total sample - US	31
Figure 10: Awareness and usage of bank-led brokerages: Total sample vs. Primary bank customers - US	32
Table 4: Awareness and usage of bank-led brokerages: Total sample vs. Primary bank customers - US	33
Figure 11: Year-over-year changes in crypto awareness: Total sample - Canada	34
Figure 12: Year-over-year changes in crypto usage/ownership: Total sample - Canada	35
Figure 13: Crypto usage/ownership in 2023: Brokerage users vs. Non-users - Canada	36
Figure 14: Year-over-year changes in crypto usage/ownership: Brokerage users - Canada	37
Figure 15: Year-over-year changes in crypto awareness: Total sample - US	38
Figure 16: Year-over-year changes in crypto usage/ownership: Total sample - US	39
Figure 17: Crypto usage/ownership in 2023: Brokerage users vs. Non-users - US	40
Figure 18: Year-over-year changes in crypto usage/ownership: Brokerage users - US	41
Table 5: Year-over-year changes in crypto usage/ownership by demographics: Brokerage users	42

LIST OF TABLES AND FIGURES

Figure 19: Year-over-year changes in familiarity with ESG investing: Total sample – Canada	43
Figure 20: Year-over-year changes in familiarity with ESG investing: Total sample - US	43
Table 6: Year-over-year changes in familiarity with ESG investing by demographics: Total sample	44
Figure 21: Year-over-year changes in ownership of ESG investments: Total sample	45
Table 7: Year-over-year changes in ownership of ESG investments by demographics: Total sample	45
Figure 22: Year-over-year changes in intent to engage in ESG investing: Total sample - Canada	46
Figure 23: Year-over-year changes in intent to engage in ESG investing: Total sample - US	46
Table 8: Year-over-year changes in intent to engage in ESG investing by demographics: Total sample	47
Table 9: Ownership of ESG investments by demographics in 2023: Brokerage users vs. Non-users	48
Table 10: Year-over-year changes in ownership of ESG investments by demographics: Brokerage users	49
Table 11: Intent to engage in ESG investing by demographics in 2023: Brokerage users vs. Non-users	50
Table 12: Year-over-year changes in intent to engage in ESG investing by demographics: Brokerage users	51



O1 ONLINE BROKER

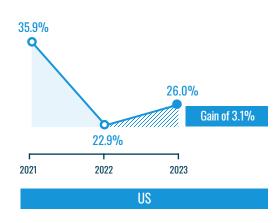
ONLINE BROKERAGE CATEGORY ENGAGEMENT STABILIZES AFTER A DIFFICULT YEAR

As the brutal Russia/Ukraine conflict unfolded and inflation hit record levels in North America, consumer engagement in self-directed investing hit a trough in 2022. Brokerage executives will be pleased to learn that engagement has since rebounded in 2023. Though the pandemic has largely fallen from public consciousness, consumers are taking tentative steps toward greater brokerage engagement amidst continued chop in the global financial markets.

Awareness and usage of online brokerages and trading apps peaked in 2021 after several consecutive years of increasing engagement. The core pandemic years of 2020 and 2021 saw a dramatic influx of novice traders in both Canada and the US, with many trying out brokerage platforms and trading apps for the first time. Though some were effectively gambling away their stimulus funds, others were taking strides to learn about inexpensive and effective methods for investing and managing their money. All investors were subject to an abrupt about-face in 2022, however, as inflation fears hit a fever pitch and markets went into steep decline.

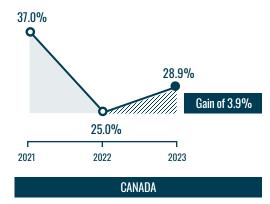
Over time, net brokerage awareness (i.e. awareness of at least one brokerage brand or trading app) has remained relatively strong. In 2023, roughly threequarters of investing-aged consumers in North America (76.6% in the US, 73.1% in Canada) can identify at least one online brokerage brand. Trends show that net awareness for the brokerage category as a whole is approaching pre-pandemic levels. At the brand level, there was good news in the US where many of the top-awareness brands bounced back in 2023 after large dips in awareness in 2022.....Subscribe to learn more....

In Canada, awareness.....Subscribe to learn more by emailing info@parameterinsights.com AFTER YEARS OF RISING ENGAGEMENT PEAKING IN 2021, USAGE OF ONLINE BROKERAGES AND TRADING APPS DECLINED SUBSTANTIALLY IN 2022 BUT HAS SINCE REBOUNDED IN BOTH THE US AND CANADA.



Net Usage of Online Brokerages





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METHODOLOGY – Consumer Survey

OUR WEALTHTECH: ONLINE BROKERAGE SERIES CONSUMER SURVEY COVERS THE FOLLOWING CONTENT AREAS:

- · General attitudes toward saving, investing, and wealth management
- · Presence of a financial plan, method of creation, and frequency of review
- · Presence of a financial advisor, advisor type, advisor services, and advisor loyalty
- Primary financial institution, types of accounts/products, overall satisfaction, and likelihood to recommend
- · Choice-based conjoint (CBC) for digital and traditional wealth management options
- · Aided brand awareness and usage online brokerages
- · Overall satisfaction, feature-specific satisfaction, and likelihood to recommend online brokerages
- · Cryptocurrency awareness and ownership
- · ESG investing familiarity, engagement, satisfaction, and intent to engage
- · Demographics (e.g. age, income, assets, education)

COVERAGE EXTENDS TO A SPECIFIC SET OF COMPETITIVE ONLINE BROKERAGE BRANDS IN EACH MARKET:

- All of Us Financial
- Ally Invest Self-Directed Trading
- Axos Invest Self-Directed Trading
- Charles Schwab Brokerage Accounts
- Citi Self Invest
- Dough
- E*TRADE
- eOption
- eToro
- Fidelity Brokerage Account
- Firstrade Securities
- Folio Investing
- Interactive Brokers
- J.P. Morgan Self-Directed Investing
- Lightspeed Financial

- Bank of America Merrill Edge Self-Directed Investing
- myTradeNow by Bank of the West
- PNC Investments Brokerage Accounts
- Public.com
- Robinhood Markets
- SogoTrade
- tastytrade
- TD Ameritrade
- TradeStation
- Tradier
- TradingBlock
- · US Bank Self-Directed Brokerage Accounts
- Vanguard Brokerage Accounts
- Webull
- WellsTrade by Wells Fargo
- Zacks Trade





- BMO InvestorLine
- CIBC Investor's Edge
- Desjardins Online Brokerage
- HSBC InvestDirect
- National Bank Direct Brokerage
- Qtrade Investor

- Questrade Self-Directed Investing
- RBC Direct Investing
- Scotia iTrade
- TD Direct Investing
- Virtual Brokers
- Wealthsimple Trade

Participants in our online surveys are sampled from carefully managed online panels of Canadian and American respondents. Though online surveying precludes reaching respondents with no Internet access, official data for Canada and US indicate that Internet penetration is over 85% in both countries.

For the purposes of our WealthTech research, we screen respondents on three key criteria. First, respondents must be between the ages of 18 and 79 years old. Second, respondents must have either sole or shared responsibility for their household financial decisions. Third, respondents must not be competitively employed (e.g. they cannot work for a market research department or company).

To ensure a high level of final data quality for reporting, and before running any final tabulations or advanced analytics, we analyze response patterns to identify and remove respondents exhibiting poor response behaviors (e.g. speeding and straight-lining). To ensure good sample balance and overall representativeness, during data collection we set quotas for age group, gender, and geographic region. We then weight the final clean sample (n = 2,400 per country) to align with the respective population distributions within each country. The margin of error for percentages on a probability sample of 2,000 is +/-2.2%. The 2021 data also includes a boost sample to ensure a readable base (n = 400) of consumers within each country who have \$500K or more in investable assets.

SUPPLEMENTARY MATERIAL

WealthTech Research & Advisory Service: Online Brokerage Series is published by ParameterInsights.

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