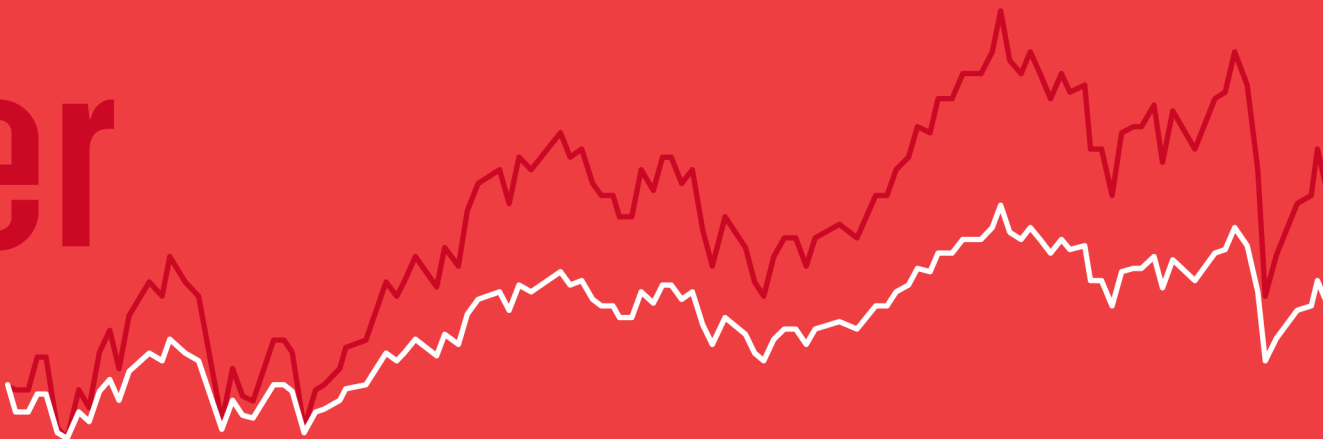




Silver



2025 Canadian Active ETF Landscape

A widely used and convenient structure carries some risk.



Gold



Bronze

Table of Contents

Introduction and Takeaways	3	Active ETFs vs. Mutual Funds	13
Assets and Flows	4	Providers and ETFs	18
Launches and Closures	9	Disclosures	23

Manager Research

Danielle LeClair, MFin Director, Canada
Luke Richardson, CFA Analyst, Canada
Michael Dobson Analyst, Canada

Important Disclosure
The conduct of Morningstar's analysts is governed by Code of Ethics/Code of Conduct Policy, Personal Security Trading Policy (or an equivalent of), and Investment Research Policy. For information regarding conflicts of interest, please visit: <http://global.morningstar.com/equitydisclosures>

Introduction and Key Takeaways

What is an Active ETF?

For the purposes of this report, it is an exchange-traded fund that does not track an index, stock, cryptocurrency, or commodity. The term covers a variety of strategies including:

- Cashlike (high-interest savings accounts and money market funds)
- Quantitatively managed (strategic-beta/factor-based investing ETFs)
- Traditional actively managed portfolios
- Derivative income (covered-call/put-write funds)
- Thematic strategies
- Defined outcomes (buffers and accelerator ETFs)
- Target risk (allocation funds, ranging from all-equity to all-fixed-income risk options)

Key Takeaways:

- Active ETF assets have grown fifteenfold over the past 10 years ended March 2025, far outpacing passive ETFs (four times) and active mutual funds (nearly doubled).
- Much of this growth came from cheap target-risk funds and cashlike strategies.
- Target maturity and covered-call bond strategies comprise much of the latest launches.
- Assets were concentrated in very few funds. Only 5% of surviving funds have more than CAD 1 billion while 53% had less than CAD 50 million as of March 2025.
- Liquidations account for 66% of active ETF terminations over the last 10 years ended March 2025, compared with 42% for mutual funds.
- Active ETFs offer cost savings relative to mutual funds, but alternative active ETFs' performance fees make them 22% more expensive as of March 2025.
- Many established providers remain dominant but new entrants have transformed the landscape over the decade.
- Bank-owned asset managers drive new listings, with industry giants close behind.

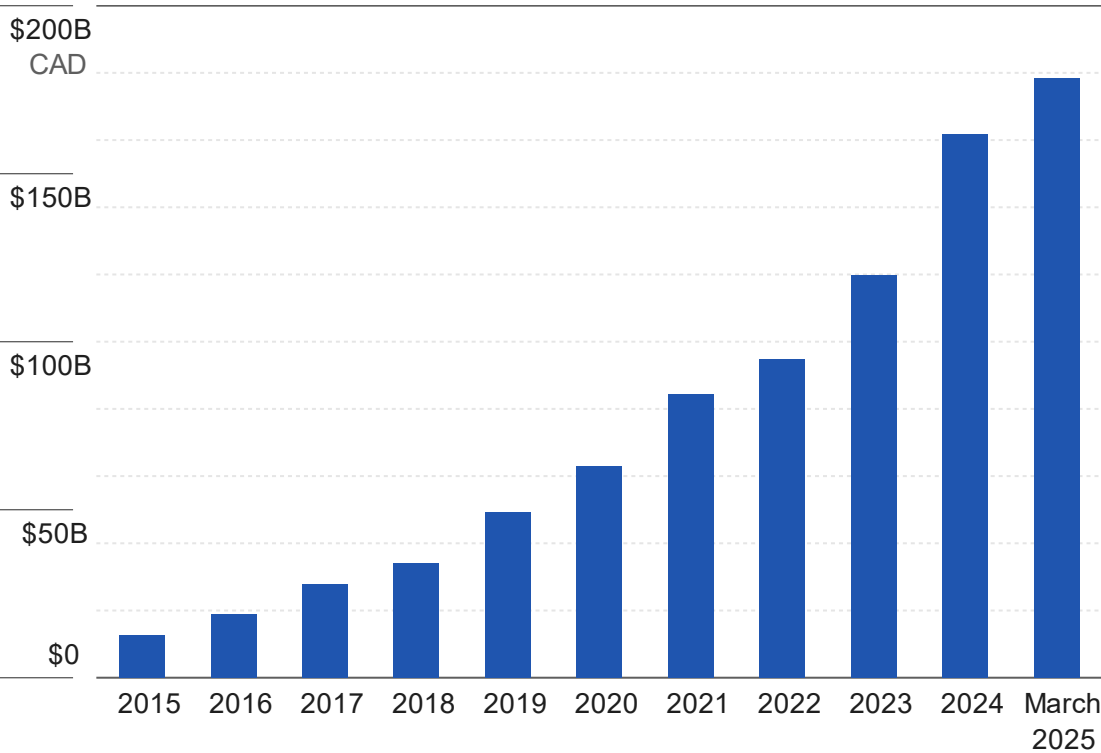
Assets and Flows

Sustained Interest of Active ETFs Fuels Growth

Active ETFs continue to attract investor interest. In the last year through March 2025, they took in CAD 42 billion of flows. Active ETF assets grew fifteenfold over the last 10 years, outpacing passive ETFs, which quadrupled, mostly due to strong and consistent flows. And it's not slowing—the first three months of 2025 were the top three for flows over the period in absolute terms.

Active ETF Assets

December 2015 through March 2025



One-Year Trailing Organic Growth Rate

April 2015 through March 2025



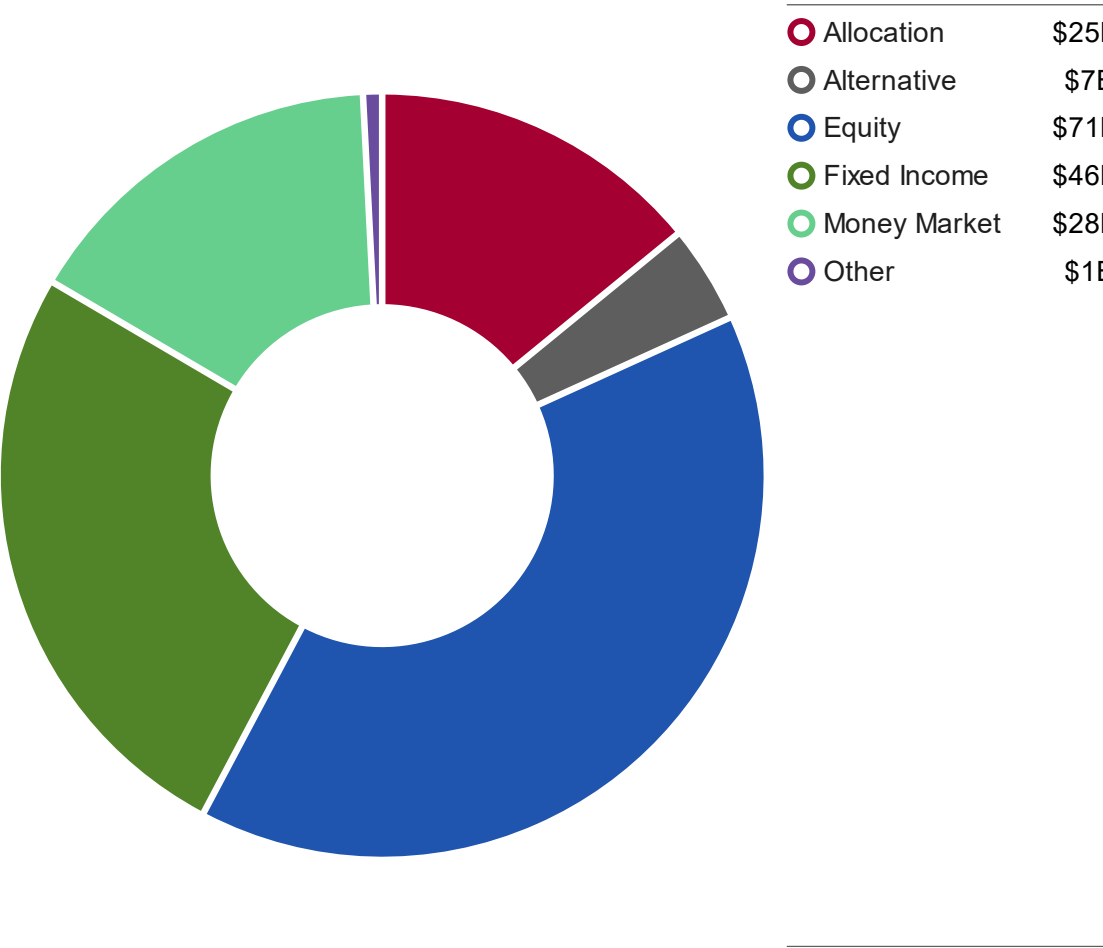
Source: Morningstar Direct. Data as of March 2025.

See Important Disclosures at the end of this report.

Bond and Stock Strategies Dominate

Active ETF Breakdown by Global Broad Category Group

As of March 2025



- More than three quarters of active ETF assets are in single asset-class strategies.
- Equity strategies were the biggest group: 39.7% of active ETF assets as of March 2025.
- Money market funds grew the fastest. The group made up 16% of active ETF assets as of March 2025, 8 times more than it did 10 years ago.
- Alternative strategies represent 3.7% of active ETF assets, or CAD 6.5 billion. It grew eightfold, the most in relative terms, in the five years ended March 2025.
- Low interest rates in 2021 and the sharp rise of short-term rates in 2022 and early 2023 stymied fixed-income fund flows in those years.
- Allocation funds from Vanguard, iShares, and Fidelity are some of the largest individual active ETFs. Vanguard's low cost and simple design attracted the attention of investors and other providers when the firm launched its initial set of allocation ETFs in 2018.

Target-Risk Funds Gain Ground

- Most active ETFs are traditional, with investment teams making portfolio decisions for higher fees than other ETFs in this study.
- Cashlike funds—high-interest savings accounts, or HISAs, and other money market strategies—exploded in popularity in 2022 as higher rates and low fees attracted investment. A small number of strategies have much of the assets.
- Thematic funds—those with either a Canadian Investment Funds Standards Committee, or CIFSC, Responsible Investing flag or a Morningstar-assigned thematic label—grew the most on a relative basis in the five years ending March 2025.
- Defined-outcome funds are the newest and smallest segment of the active ETF market; BMO Global Asset Management’s buffer and accelerator strategies dominate the area.
- Derivative income funds, on average, are the most expensive segment, pricier than even traditional active funds. These include covered-call strategies that have been around for more than a decade.
- Target-risk funds, including allocation suites’ all-equity options, include some of the largest active ETFs. Such funds use cheap passive building blocks to implement allocation strategies.

Active ETF Breakdown by Segment

As of March 2025

Segment Name	Assets CAD Billic	Count	3-Year Organic Growth F	Average F
Target Risk	40.5	75	32%	0.34
Defined Outcome	0.6	21	29%	0.61
Derivative Income	23.4	134	20%	0.61
Cash-Like	33.5	27	55%	0.10
Quantitative	25.4	102	23%	0.30
Thematic	9.6	54	33%	0.41
Traditional Active	63.6	409	18%	0.61

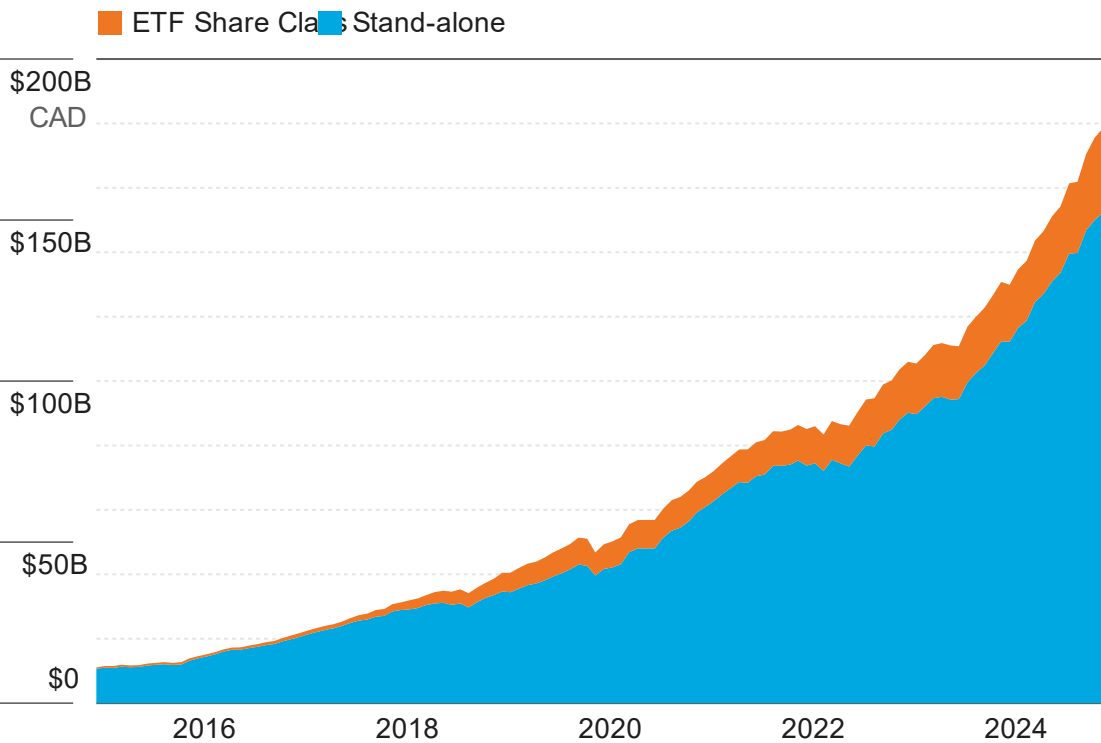
Source: Morningstar Direct, authors calculations. Data as of March 2025. Funds can hold more than one label, so assets and counts will not aggregate to other figures in this report. Canadian Investment Funds Standards Committee Responsible Investing flags list can be found [here](#).

See Important Disclosures at the end of this report.

ETF Share Classes More Expensive, Growing Fast

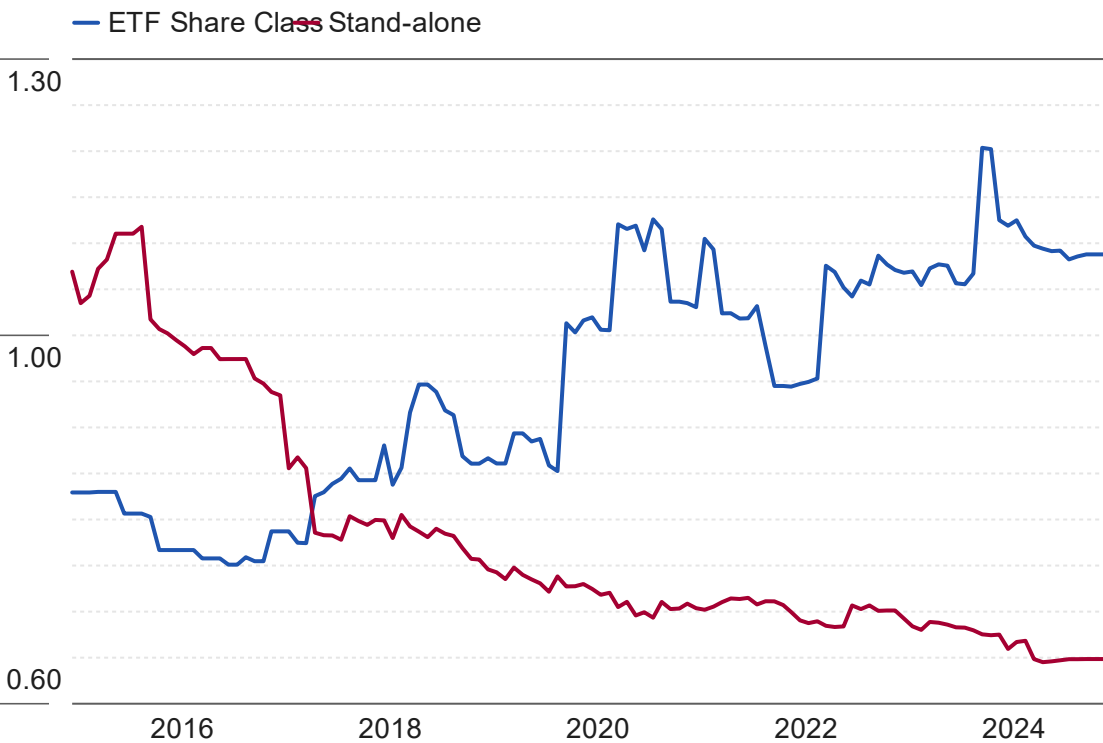
Assets by Structure

April 2015 through March 2025



Simple Average Fee by Sector

April 2015 through March 2025



Some strategies offer both traditional mutual fund and ETF share classes. This hybrid structure crossed the CAD 1 billion mark in February 2017. Its grown 24 times as much since then, far more relative to all other stand-alone active ETFs, which increased by sevenfold. The average fees of each structure have diverged over time. The average ETF share class charged 44 basis points more than the average stand-alone ETF as of March 2025.

Source: Morningstar Direct, authors calculations. Data as of March 2025.

See Important Disclosures at the end of this report.

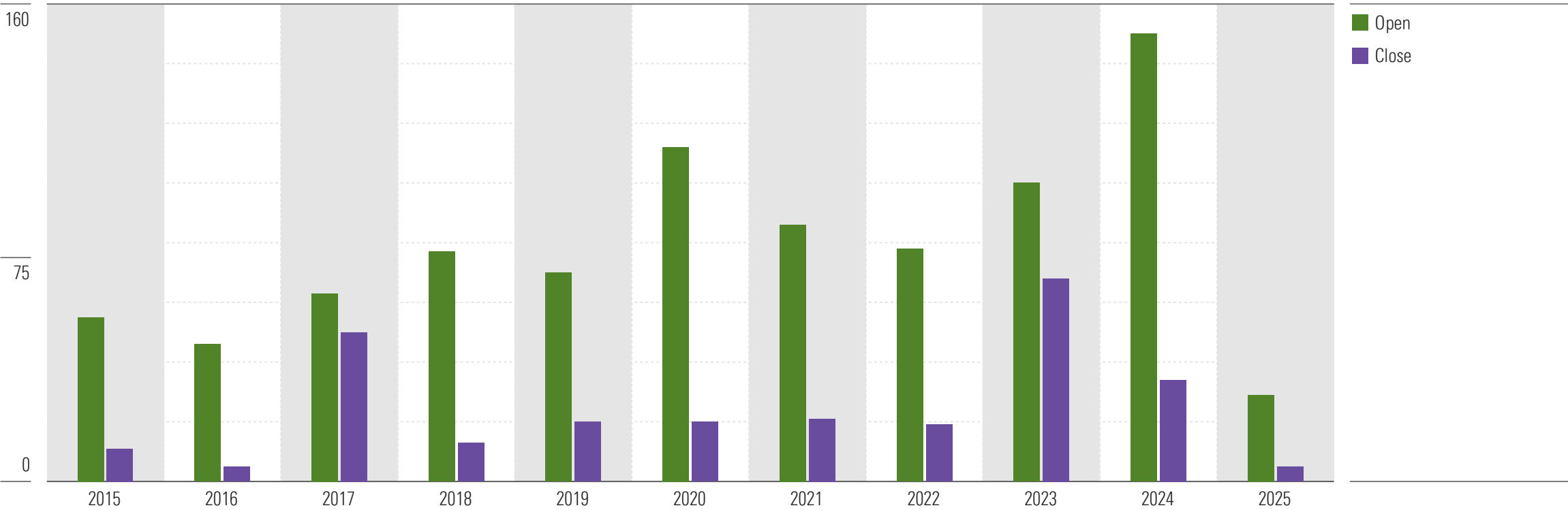
Launches and Closures

Record Launches and Closures Since 2023

Active ETF assets were concentrated in a handful of strategies and most others struggled to gain attention. A quarter of all active ETFs observed in this report were delisted over the last 10 years while half held less than CAD 50 million in March 2025. Only 39 funds held more than CAD 1 billion on that date, and they account for more than half of active ETF assets.

Launches and Closures by Year

April 2015 through March 2025



Source: Morningstar Direct. Data as of March 2025.
Both 2015 and 2025 are partial years.

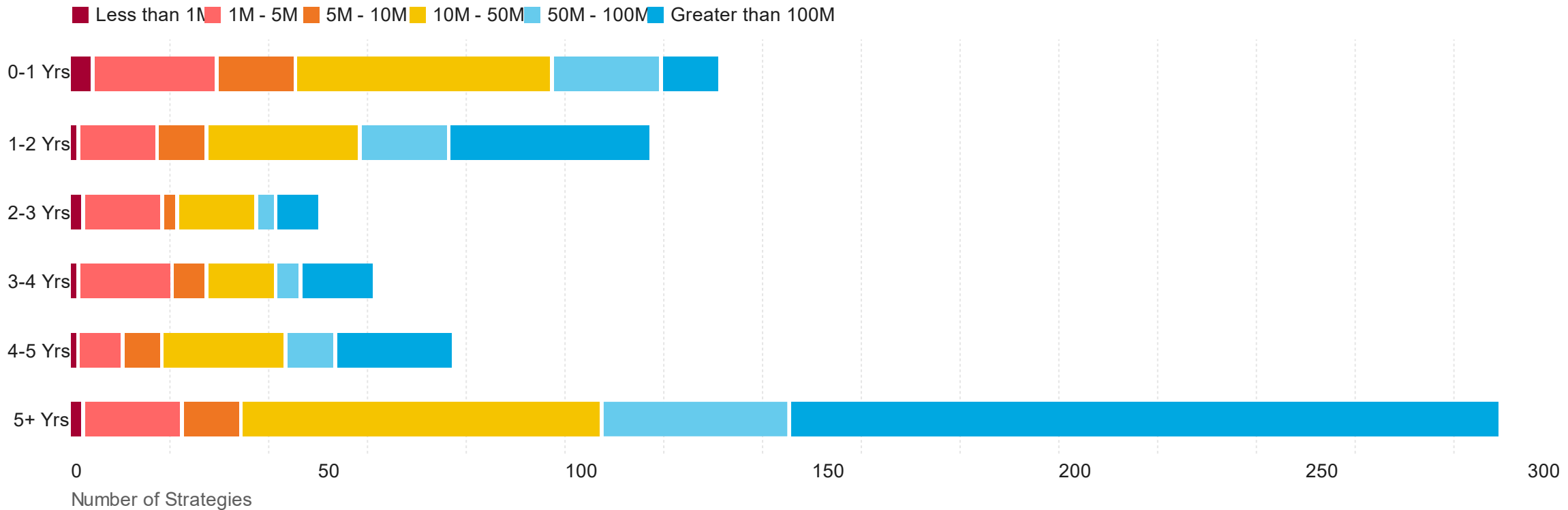
See Important Disclosures at the end of this report.

Beware the Small-Scale ETF

Many active ETFs were miniscule, and investors in them faced extra costs via wider bid-ask spreads and the risk of liquidation. Four out of five active ETF closures between April 2015 and March 2025 involved ETFs with less than CAD 10 million in assets. One fourth of active ETFs were that small as of March 2025. In most cases investors should steer clear of such strategies.

Assets of Surviving Funds by Age

As of March 2025



Source: Morningstar Direct. Data as of March 2025.

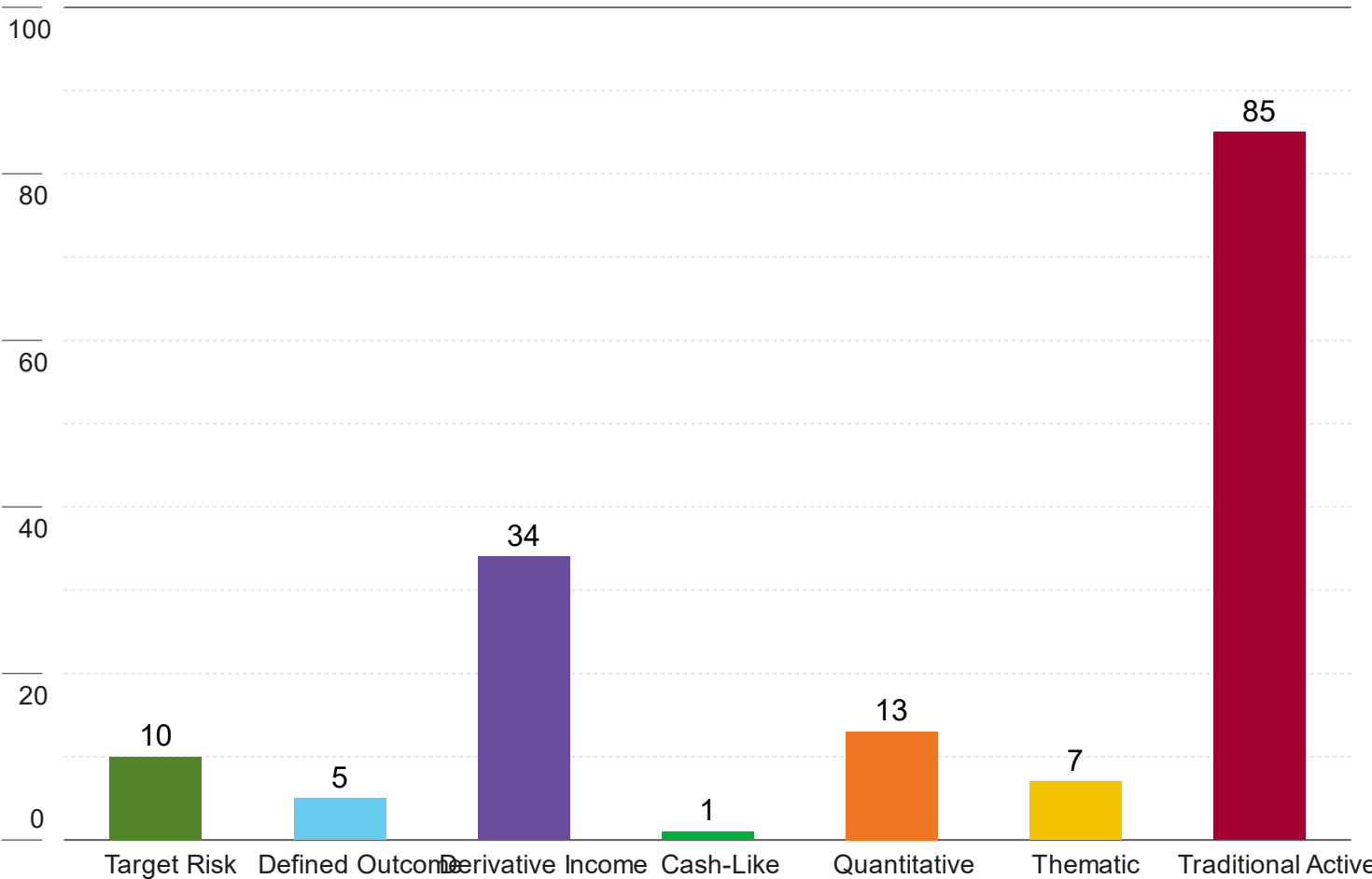
See Important Disclosures at the end of this report.

Innovative Bond ETFs Underpin Launches

- Traditional active ETFs like target-maturity bond series continue to grow. Multiple Fidelity entries tacked on ETF versions of popular mutual funds.
- Options-based income overlays on bond strategies made up a significant number of new launches in the derivative income segment.
- Quantitative strategies by Fidelity and Manulife round out their current capabilities.
- ETF share classes of existing allocation strategies by Franklin Templeton headline target-risk ETF launches.
- The thematic ARK strategies, which made up three of the seven launches in the segment, are set to close¹ in July 2025.

One-Year New Listings by Segment

As of March 2025



Source: Morningstar Direct. Data as of March 2025.

See Important Disclosures at the end of this report.

¹<https://newsroom.bmo.com/2025-04-16-BMO-Announces-the-Termination-of-Certain-BMO-Mutual-Funds>

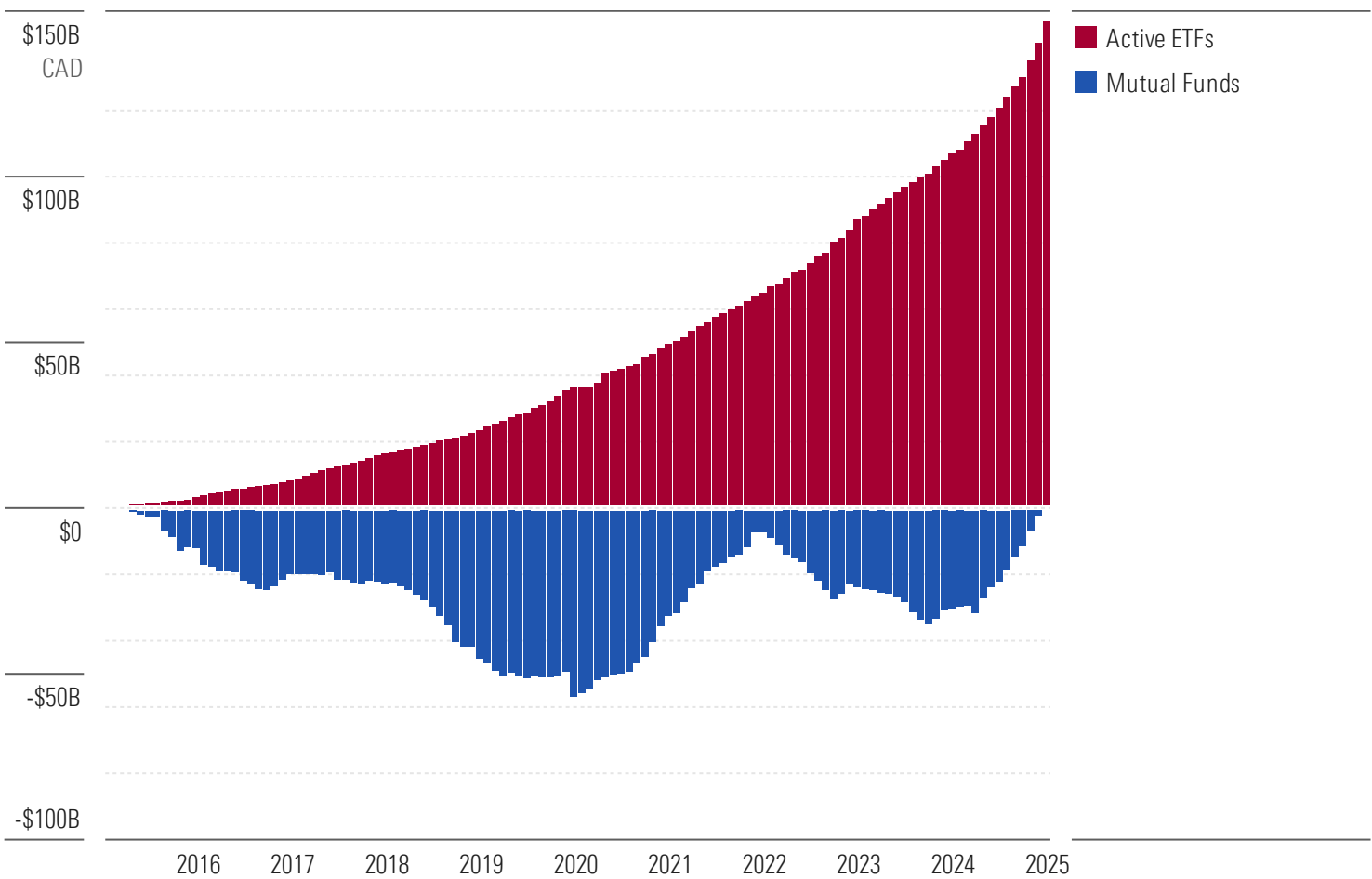
Active ETFs vs. Mutual Funds

Growth of Active ETFs Outmaneuver Mutual Funds

- As of March 2025, active ETFs had CAD 178 billion in assets, one sixth of active mutual funds' assets.
- Canadian investors have preferred active ETFs; they piled about CAD 150 billion into them in the last decade—82% of their current assets. Meanwhile mutual funds experienced CAD 117 million in outflows.
- Active ETFs are an evolution of mutual funds, but there are important differences.
- Active ETFs are generally cheaper and more accessible, but investors who used them can incur higher trading costs, and providers cannot as easily limit ETF strategies' capacity by closing them to new investors.

Cumulative Flows – Active ETFs vs. Active Mutual Funds

As of March 2025



Source: Morningstar Direct. Data as of March 2025. Mutual fund flows exclude fund of funds.

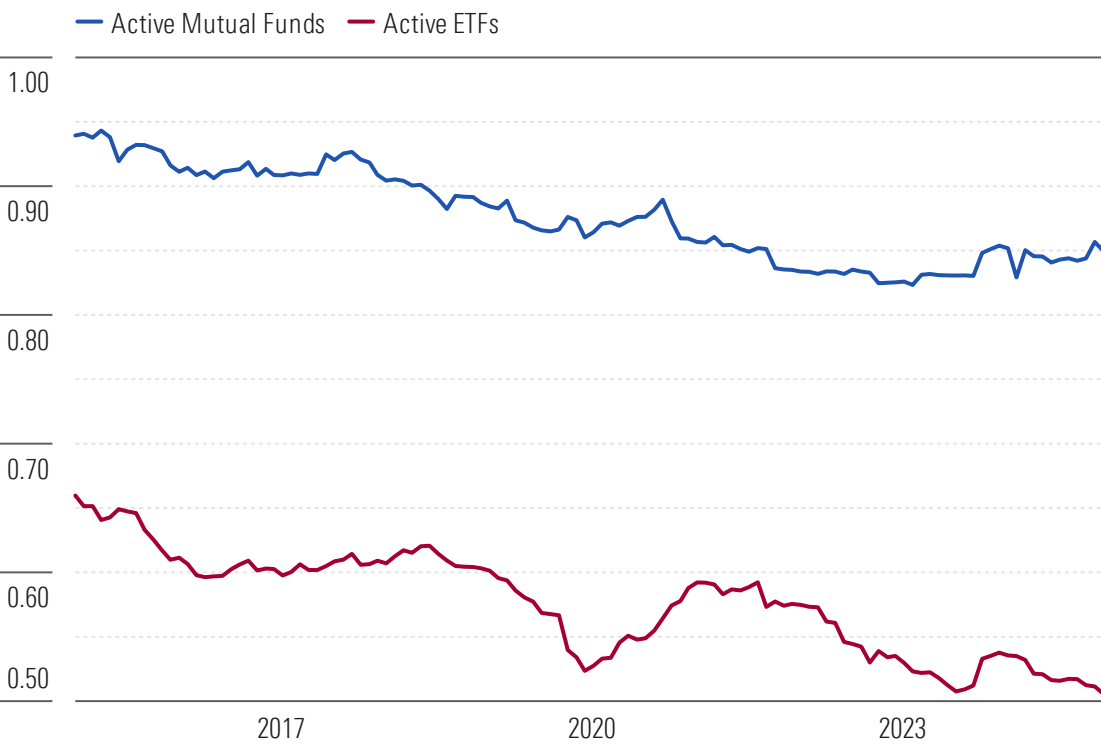
See Important Disclosures at the end of this report.

Active ETFs Cost Less, But Not For Alternatives

On average, investors pay less for active ETFs than for fee-based and do-it-yourself share classes of active mutual funds. Allocation, equity, and money market ETFs, for example, charge fees 64%, 37%, and 36% less, respectively, than their mutual fund counterparts. Alternative ETFs, however, cost 22% more as performance fees—extra fees that vary depending on fund results—on some of the largest ETFs that boosted the asset-weighted average starting in 2024.

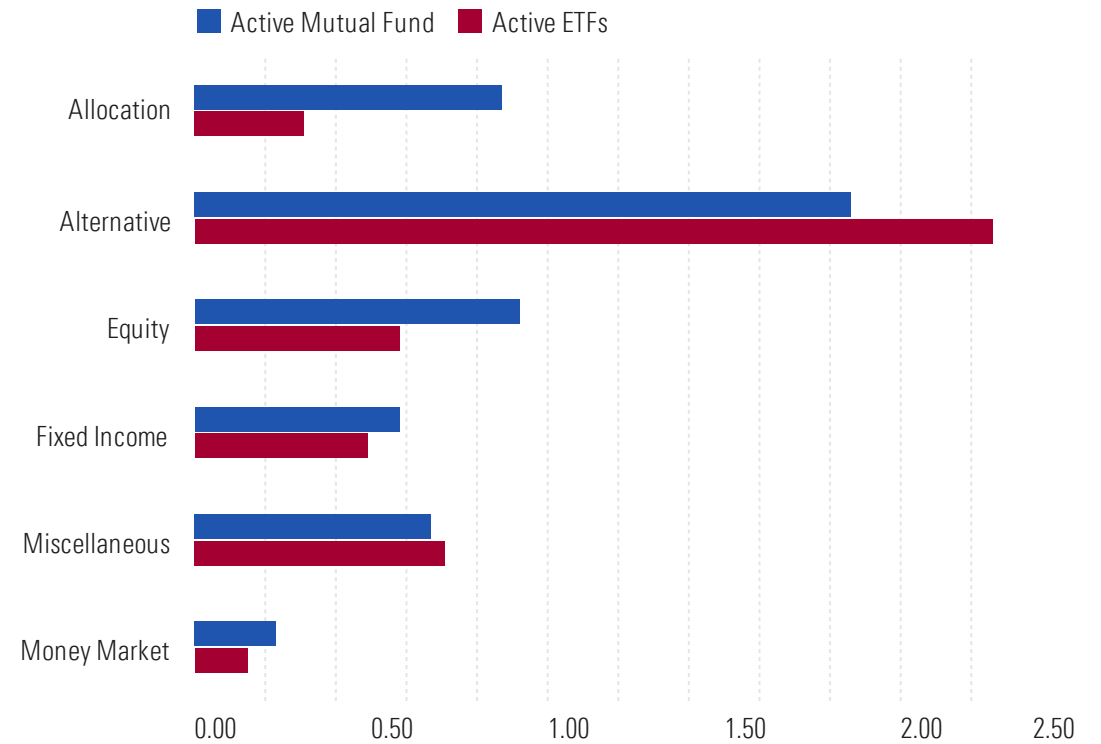
Asset-Weighted Fees

Active ETFs vs. Active Mutual Funds



Asset-Weighted Fees by Broad Asset Class

Fees as of March 2025

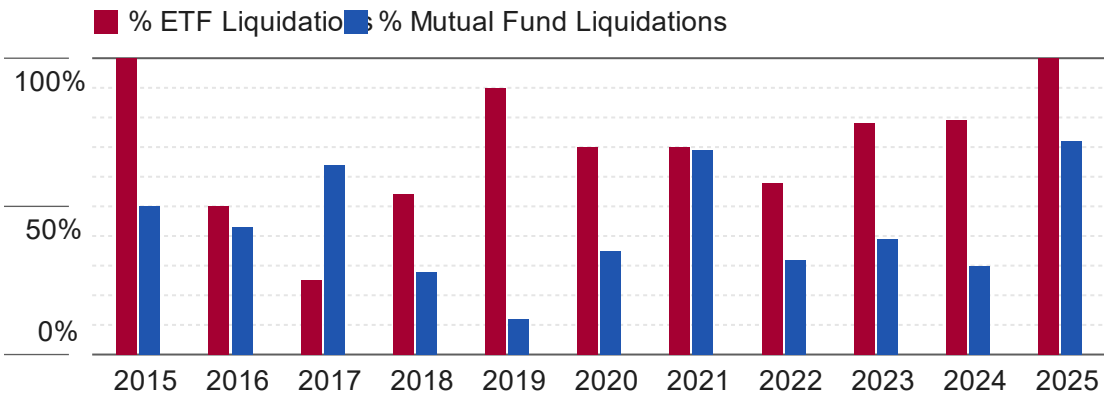


Source: Morningstar Direct. Data as of March 2025. Mutual fund fees include only fee-based and do-it-yourself share classes.

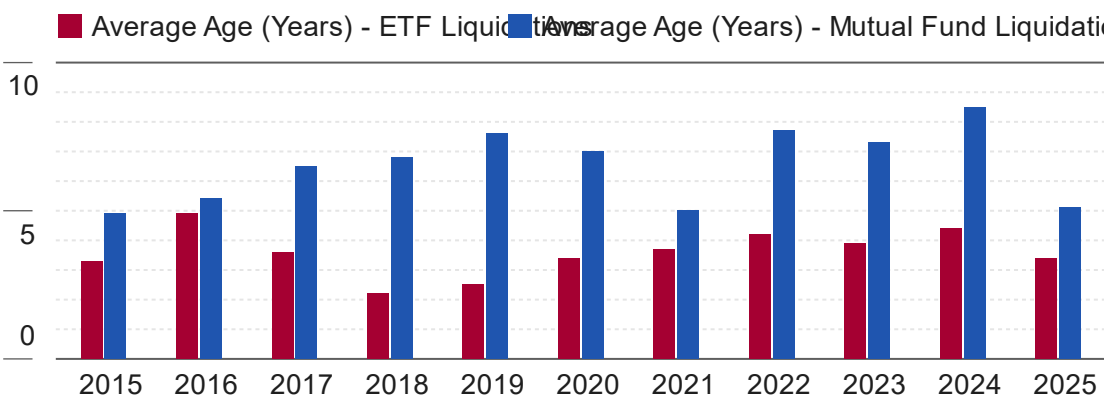
See Important Disclosures at the end of this report.

Active ETFs Have Had Shorter Lifecycles

Liquidation as Percentage of all Closures by Structure



Average Age in Years of Liquidated Funds



- Liquidations were the most preferred method to terminate funds. Over the last 10 years, liquidations account for 66% of all active ETF terminations as compared with 42% for mutual funds.
- Only 2017 saw more mutual fund liquidations due to changes in the tax benefits of corporate-class funds, which drove closures higher.
- Active ETFs liquidations occur much earlier in their lives than mutual funds'. Over the last decade, the average age of a liquidated active ETF was 3.6 years, almost half that of liquidated mutual funds.
- Four in five thematic fund liquidations occurred with less than three years of history—much higher than the next two highest segments: derivative income (56%) and traditional active (50%).
- Market dynamics such as consolidation due to CI Global Asset Management's acquisition of First Asset in 2015, Horizons ETFs and First Asset's advisor share class ETF phase-out in 2017, Evermore's short-lived foray into target-date ETFs, and the sudden closure of Emerge ETFs in 2023 contributed to active ETF mortality.

Some Things Change, Some Things Stay the Same for Active ETFs vs. Mutual Funds

Active ETFs vs. Mutual Funds Benefits, Drawbacks, and Similarities

	Active ETFs	Mutual Funds
The Benefits		
Lower fee	Often priced at similar level as fee-based share class mutual funds.	Prices depend on distribution channel: commission-based, fee-based, and do-it-yourself.
Flexible trading	- Investors can buy or sell ETFs throughout the trading day like stocks. - Ability to go long, sell short, buy on margin, trade options, and lend to others at a fee.	- Priced at their end-of-day net asset value (NAV). - No short-selling or options. - Sales loads and sometimes redemption fees can increase trading costs.
The Drawbacks		
Limited capacity management	- Cannot close to new investors without liquidating. - Susceptible to style drift or liquidity issues should assets exceed the mandate's capacity limits.	Can close to new investors to manage capacity.
Higher trading costs	- Investors pay the difference of the bid price (what buyers offer) and ask price (what sellers offer) when purchasing ETFs. - The market price isn't always connected to the fund's NAV, and investors can potentially pay more than the fund's worth. - Illiquid areas of the market (such as, microcaps, obscure bonds) or small asset bases can mean higher costs through wider bid-ask spreads or divergence from NAV.	Trades are priced at end-of-day net asset value.
The Similarities		
No preferential tax treatment	ETFs do not have any preferential tax treatments. Capital gains tax applies to both short-term (held less than or equal to one year) and long-term (held more than one year) gains are taxed at the investor's marginal tax rate when transactions occur in taxable investment accounts.	
No extra transparency	Unlike in other markets, Canadian-domiciled ETFs do not need to publicly disclose holdings daily, and they have the same disclosure requirements as mutual funds.	

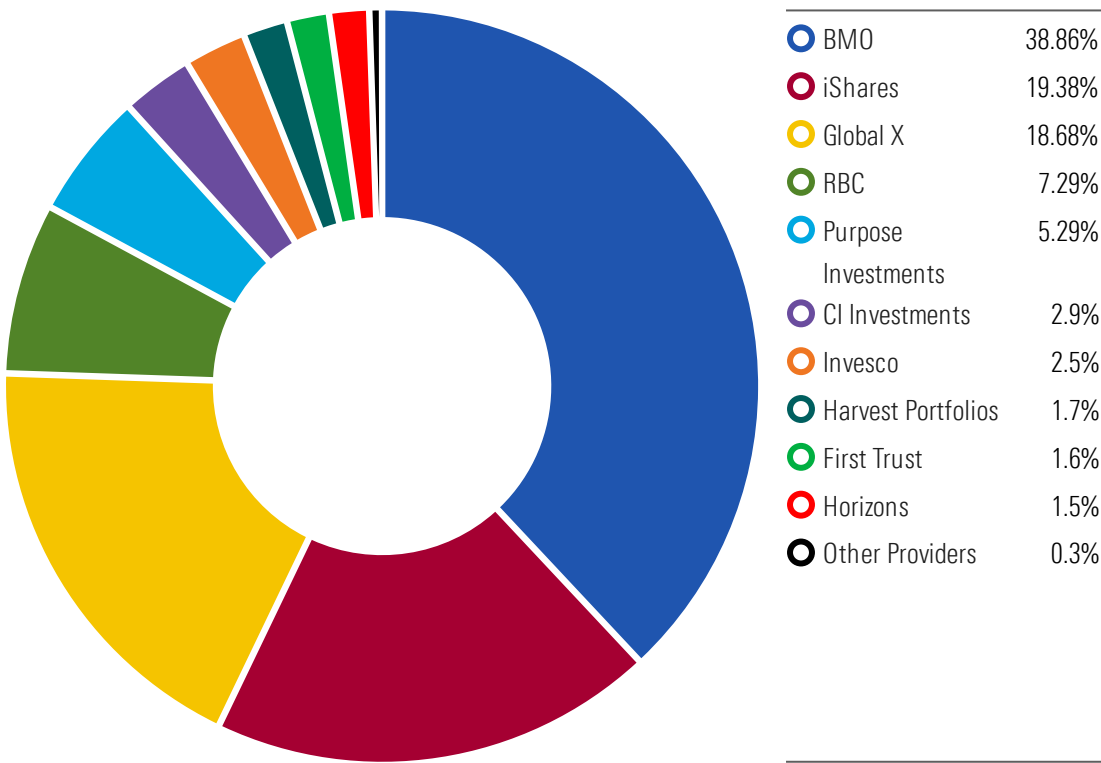
Providers and ETFs

New Entrants Redefine the Playing Field

BMO GAM, Global X, iShares, and CI Investments remain top players in active ETFs by total assets. However, Vanguard, National Bank Investments, or NBI, and Fidelity climbed to leading positions. New entrants continue to disrupt the Canadian active ETF market, with firms outside the top 10 growing from less than 1% to 21% market share. Other providers with more than CAD 2 billion in assets now include Harvest Portfolios, Mackenzie Investments, Hamilton Capital, Pimco, CIBC Asset Management, Evolve ETFs, Manulife, and Dynamic Funds.

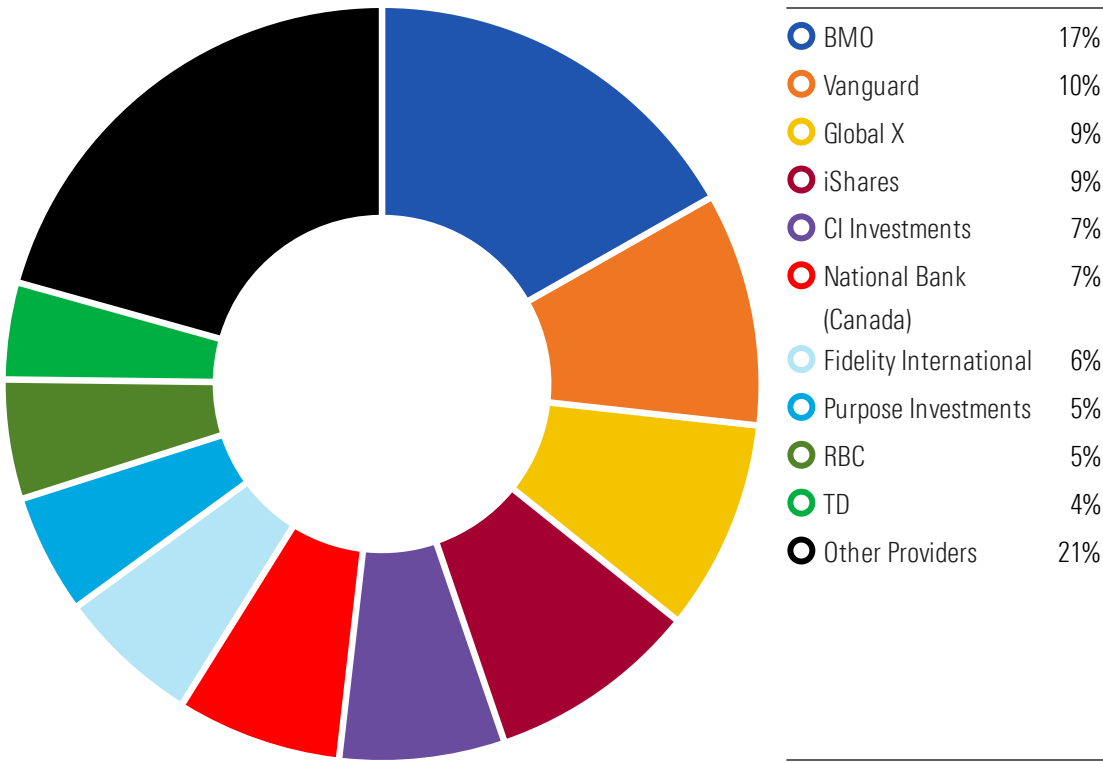
Market Share by Provider

As of April 2015



Market Share by Provider

As of March 2025



Source: Morningstar Direct. Data as of March 2025.

See Important Disclosures at the end of this report.

Top Providers' Assets Concentrated in Key Segments

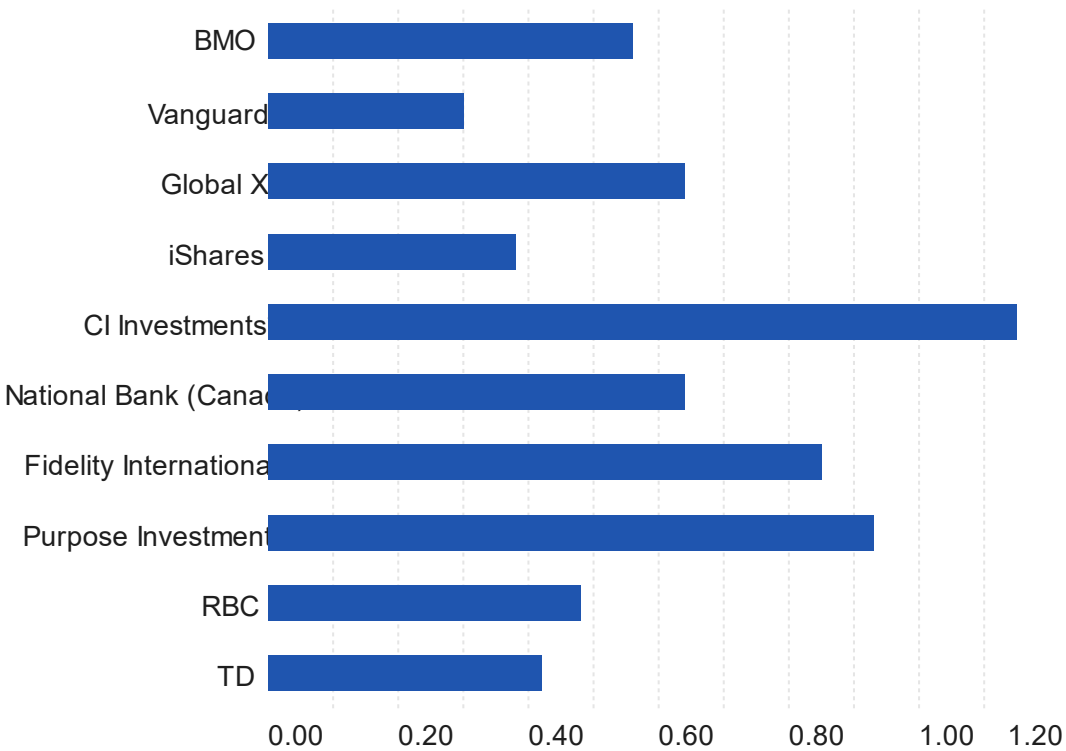
Organic Growth Rate and Main Segment by Largest Provider

As of March 2025

Provider	AUM (CAD Bi	OGR - 1 Ye	Main Segment/s
BMO	30.7	25%	Derivative Income & Quantitat
Vanguard	18.1	26%	Target Risk
Global X	16.9	29%	Cash-Like
iShares	16.5	56%	Target Risk
CI Investments	12.9	-10%	Cash-Like & Traditional Active
National Bank (Canada)	12.4	0%	Traditional Active & Thematic
Fidelity International	10.6	136%	Allocation & Traditional Active
Purpose Investments	8.7	19%	Target Risk
RBC	8.1	32%	Traditional Active
TD	6.4	90%	Traditional Active

Simple Average Active ETF Fee by Provider

As of March 2025



Providers tend to specialize. BMO GAM has a foothold in derivative income and quantitative ETFs first listed in 2011. iShares and Vanguard have a tight range of low-cost target-risk ETFs. Global X, CI Investments, and Purpose Investments are concentrated in cashlike ETFs but offer a range of active equity and fixed-income ETFs. Fidelity's significant growth stems from a combination of low-cost target-risk strategies and ETF share classes of its existing mutual funds.

Source: Morningstar Direct, authors calculations. Data as of March 2025. *CI Investments, Fidelity International, and Purpose Investments offer alternative ETFs that charge performance fees.

See Important Disclosures at the end of this report.

ETFs From iShares, Vanguard, and Global X Lead Flows

The Top 15 Largest Active ETFs

As of March 2025

Name	Ticker	Assets (CAD bil)	Morningstar Category	Fee	Flows 1 Year (CAD bil)	Segment
iShares Core Equity ETF	XEQT	6.9	Global Equity	0.20	3.2	Target Risk
Global X High Interest Savings ETF	CASH	6.6	Canadian Money Market	0.11	2.0	Cash-Like
Vanguard Growth ETF Portfolio	VGRO	6.6	Global Equity Balanced	0.24	1.0	Target Risk
Vanguard All-Equity ETF Portfolio	VEQT	6.4	Global Equity	0.24	2.0	Target Risk
CI High Interest Savings ETF	CSAV	6.3	Canadian Money Market	0.15	-1.6	Cash-Like
BMO Low Volatility Canadian Equity ETF	ZLB	4.3	Canadian Equity	0.39	0.2	Quantitative
BMO Ultra Short-Term Bond ETF	ZST	3.9	Canadian Short Term Fixed Income	0.17	2.7	Cash-Like
Purpose High Interest Savings Fund	PSA	3.4	Canadian Money Market	0.17	-0.4	Cash-Like
Vanguard Balanced ETF Portfolio	VBAL	3.4	Global Neutral Balanced	0.24	0.4	Target Risk
Pimco Monthly Income ETF	PMIF	3.1	Multi-Sector Fixed Income	0.86	0.6	Traditional Active
iShares Core Growth ETF Portfolio	XGRO	3.0	Global Equity Balanced	0.20	0.6	Target Risk
NBI Sustainable Canadian Bond ETF	NSCB	2.9	Canadian Fixed Income	0.61	-0.1	Thematic
BMO Covered Call Canadian Banks ETF	ZWB	2.9	Financial Services Equity	0.71	-0.3	Derivative Income
Fidelity All-in-One Balanced ETF	FBAL	2.8	Global Neutral Balanced	0.40	1.7	Target Risk
NBI Unconstrained Fixed Income ETF	NUBF	2.5	Multi-Sector Fixed Income	0.78	0.0	Traditional Active

- Cheap target-risk strategies intended to provide broad market exposure and cashlike strategies are Canadian investors' most popular choices.
- Many providers offer mutual funds that own active ETFs. This makes it easier for those who can't trade ETFs directly to invest; it also helps boost their asset size.
- Fund-of-fund allocations also bolstered assets for BMO Low Volatility Canadian Equity ETF and NBI Sustainable Canadian Bond ETF.
- Even though they have higher fees, active fixed-income ETFs like Pimco Monthly Income ETF and NBI Unconstrained Fixed-Income ETF (managed by J.P. Morgan Asset Management) are popular choices.

Source: Morningstar Direct, author calculations. Data as of March 2025.

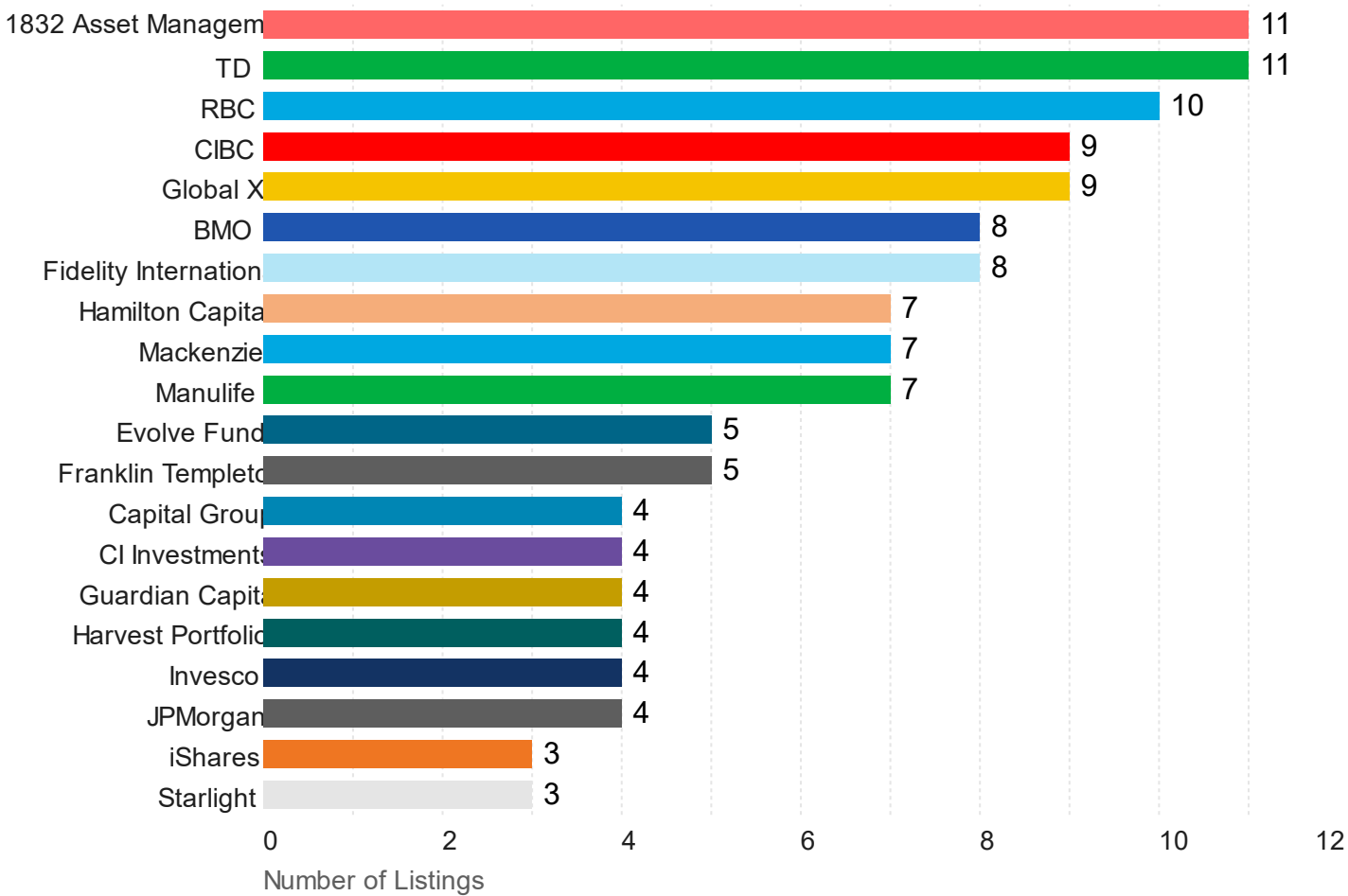
See Important Disclosures at the end of this report.

Bank-Owned Providers' Top New Listings

- Bank-owned providers 1832 Asset Management, TD Asset Management, RBC Global Asset Management, CIBC Asset Management, and BMO GAM were responsible for more than one third of all new listings.
- BMO GAM, RBC GAM, and TD Asset Management all listed target maturity fixed-income Active ETFs over the last year.
- Mackenzie Investments and Manulife each listed a combination of quantitative and traditional active strategies.
- New entrants from the US included:
 - Capital Group—listed ETFs similar to existing active mutual funds available in Canada.
 - J.P. Morgan Asset Management—listed active equity and derivative income strategies.

Top 20 Providers by New Active ETF Listings

1 Year ended March 2025



Disclosures

General Disclosure

Unless otherwise provided in a separate agreement, recipients accessing this report may only use it in the country in which the Morningstar distributor is based. Unless stated otherwise, the original distributor of the report is Morningstar Research Services LLC, a U.S.A. domiciled financial institution.

This report is for informational purposes only and has no regard to the specific investment objectives, financial situation, or particular needs of any specific recipient. This publication is intended to provide information to assist investors in making their own investment decisions, not to provide investment advice to any specific investor. Therefore, investments discussed and recommendations made herein may not be suitable for all investors; recipients must exercise their own independent judgment as to the suitability of such investments and recommendations in the light of their own investment objectives, experience, taxation status, and financial position.

The information, data, analyses, and opinions presented herein are not warranted to be accurate, correct, complete, or timely. Unless otherwise provided in a separate agreement, neither Morningstar, Inc. nor the Manager Research Group represents that the report contents meet all of the presentation and/or disclosure standards applicable in the jurisdiction the recipient is located.

Except as otherwise required by law or provided for in a separate agreement, the analyst, Morningstar, Inc. and the Manager Research Group and their officers, directors and employees shall not be responsible or liable for any trading decisions, damages or other losses resulting from, or related to, the information, data, analyses or opinions within the report. The Manager Research Group encourages recipients of this report to read all relevant issue documents for example, prospectus) pertaining to the security concerned, including without limitation, information relevant to its investment objectives, risks, and costs before making an investment decision and when deemed necessary, to seek the advice of a legal, tax, and/or accounting professional.

The Report and its contents are not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country, or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject Morningstar, Inc. or its affiliates to any registration or licensing requirements in such jurisdiction.

Where this report is made available in a language other than English and in the case of inconsistencies between the English and translated versions of the report, the English version will control and supersede any ambiguities associated with any part or section of a report that has been issued in a foreign language. Neither the analyst, Morningstar, Inc., nor the Equity Research Group guarantees the accuracy of the translations.

This report may be distributed in certain localities, countries and/or jurisdictions ("Territories") by independent third parties or independent intermediaries and/or distributors ("Distributors"). Such Distributors are not acting as agents or representatives of the analyst, Morningstar, Inc. or the Manager Research Group. In Territories where a Distributor distributes our report, the Distributor is solely responsible for complying with all applicable regulations, laws, rules, circulars, codes, and guidelines established by local and/or regional regulatory bodies, including laws in connection with the distribution third-party research reports.

Risk Warning

Please note that investments in securities are subject to market and other risks and there is no assurance or guarantee that the intended investment objectives will be achieved. Past performance of a security may or may not be sustained in future and is no indication of future performance. A security investment return and an investor's principal value will fluctuate so that, when redeemed, an investor's shares may be worth more or less than their original cost.

A security's current investment performance may be lower or higher than the investment performance noted within the report. Morningstar's Uncertainty Rating serves as a useful data point with respect to sensitivity analysis of the assumptions used in our determining a fair value price.

Conflicts of Interest

- ▶ Analysts may own (actual or beneficial) interests in the managed investments that are the subject of the Report. No material interests are held by the analyst or their immediate family with respect to the security subject of this report.
- ▶ In general, Morningstar will not hold a material interest in the security subject of this report. If a material interest is held by Morningstar, or if Morningstar owns a net long or short position in the security that is the subject of this report that exceeds 0.5% of the total issued share capital of the security, it will be disclosed at <https://www.morningstar.com/company/disclosures/holdings>
- ▶ Morningstar employees' compensation is derived from Morningstar's overall earnings and consists of salary, bonus and in some cases restricted stock.
- ▶ Neither Morningstar nor its analysts receive compensation or material benefits from product issuers or third parties in connection with this report.
- ▶ Morningstar's overall earnings are generated in part by the activities of the Investment Management and Research groups, and other affiliates, who provide services to product issuers. Morningstar does not receive commissions for providing research and does not charge issuers to be rated.
- ▶ Morningstar employees may not pursue business and employment opportunities outside Morningstar within the investment industry (including but not limited to, working as a financial planner, an investment professional or investment professional representative, a broker-dealer or broker-dealer agent, a financial writer, reporter, or analyst) without the approval of Morningstar's Legal and if applicable, Compliance teams. Morningstar may provide the investment product issuer or its related entities with services or products for a fee and on an arms' length basis including software products and licenses, research and consulting services, data services, licenses to republish our ratings and research in their promotional material, event sponsorship and website advertising.
- ▶ Certain managed investments use an index created by and licensed from Morningstar, Inc. as their tracking index. We mitigate any actual or potential conflicts of interests resulting from that by not producing qualitative analysis on any such managed investment as well as imposing information barriers (both technology and non-technology) where appropriate and monitoring by the compliance department.
- ▶ Morningstar's Investment Management group has arrangement with financial institutions to provide portfolio management/investment advice, some of which an analyst may issue investment research reports on. In addition, the Investment Management group creates and maintains model portfolios whose underlying holdings can include financial products, including securities that may be the subject of this report. However, analysts do not have authority over Morningstar's Investment Management group's business arrangements nor allow employees from the Investment Management group to participate or influence the analysis or opinion prepared by them.
- ▶ Morningstar, Inc. is a publicly traded company (Ticker Symbol: MORN) and thus a security which is the subject of this report may own more than 5% of Morningstar, Inc's total outstanding shares. Please access Morningstar, Inc's most recent Proxy Statement and refer to the section title "Security Ownership of Certain Beneficial Owners and Management" at <https://shareholders.morningstar.com/investorrelations/financial/sec-filings/default.aspx>. A security's holding of Morningstar stock has no bearing on and is not a requirement for which securities Morningstar determines to cover.

Morningstar, Inc. may provide the product issuer or its related entities with services or products for a fee and on an arms' length basis including software products and licenses, research and consulting services, data services, licenses to republish our ratings and research in their promotional material, event sponsorship and website advertising.

Further information on Morningstar, Inc.'s conflict of interest policies is available from <https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx>. Also, please note analysts are subject to the CFA Institute's Code of Ethics and Standards of Professional Conduct.

For a list of securities which the Manager Research Group currently covers and provides written analysis on please contact your local Morningstar office. In addition, for historical analysis of securities covered, including their fair value estimate, please contact your local office.

For Recipients in Australia: This Report has been issued and distributed in Australia by Morningstar Australasia Pty. Ltd. (ABN: 95 090 665 544; ASFL: 240892). Morningstar Australasia Pty. Ltd. is the provider of the general advice ("the Service") and takes responsibility for the production of this report. The Service is provided through the research of investment products. To the extent the Report contains general advice it has been prepared without reference to an investor's objectives, financial situation or needs. Investors should consider the advice in light of these matters and, if applicable, the relevant Product Disclosure Statement before making any decision to invest. Refer to our Financial Services Guide, or FSG, for more information at <http://www.morningstar.com.au/fsg.pdf>.

For Recipients in New Zealand: This report has been issued and distributed by Morningstar Australasia Pty Ltd and/or Morningstar Research Ltd (together 'Morningstar'). This report has been prepared and is intended for distribution in New Zealand to wholesale clients only and has not been prepared for use by New Zealand retail clients (as those terms are defined in the Financial Markets Conduct Act 2013).

The information, views and any recommendations in this material are provided for general information purposes only, and solely relate to the companies and investment opportunities specified within. Our reports do not take into account any particular investor's financial situation, objectives or appetite for risk, meaning no representation may be implied as to the suitability of any financial product mentioned for any particular investor. We recommend seeking financial advice before making any investment decision.

For Recipients in Hong Kong: The Report is distributed by Morningstar Investment Management Asia Limited, which is regulated by the Hong Kong Securities and Futures Commission to provide investment research and investment advisory services to professional investors only. Neither Morningstar Investment Management Asia Limited, nor its representatives, are acting or will be deemed to be acting as an investment advisor to any recipients of this information unless expressly agreed to by Morningstar Investment Management Asia Limited.

For Recipients in Japan: The Report is distributed by Ibbotson Associates Japan, Inc., which is regulated by Financial Services Agency, for informational purposes only. Neither Ibbotson Associates Japan, Inc., nor its representatives, are acting or will be deemed to be acting as an investment advisor to any recipients of this information.

For Recipients in Korea: The Report is distributed by Morningstar Korea Limited, which is regulated by Financial Supervisory Service, for informational purposes only. Neither Morningstar Korea Limited, nor its representatives, are acting or will be deemed to be acting as an investment advisor to any recipients of this information.

For Recipients in Singapore: The Report is intended for Institutional Investor audiences and is distributed by Morningstar Investment Adviser Singapore Pte. Limited, which is licensed by the Monetary Authority of Singapore to provide financial advisory services in Singapore. Morningstar Investment Adviser Singapore Pte. Limited is the entity responsible for the creation and distribution of the research services described in this Report. This content is provided for informational purposes only and may be shared or redistributed by Institutional Investors to their clients or other permitted persons, subject to obtaining the appropriate licence from Morningstar. Redistribution of this content is subject to any applicable conditions or limitations, including those agreed commercially or contractually with Morningstar. The person who shares or redistributes this content shall be solely responsible for compliance with all relevant legal and regulatory obligations in the jurisdictions in which the material is made available. Investors should consult a financial adviser regarding the suitability of any investment product, taking into account their specific investment objectives, financial situation or particular needs, before making any investment decision. Morningstar, Inc., and its affiliates rely on certain exemptions (Financial Advisers Regulations, Section 27(1)(e), Section 32B and 32C) to provide its investment research to recipients in Singapore.

For Recipients in India: This Investment Research is issued by Morningstar Investment Research India Private Limited (formerly known as Morningstar Investment Adviser India Private Limited). Morningstar Investment Research India Private Limited is registered with SEBI as an Investment Adviser (Registration number INA000001357), as a Portfolio Manager (Registration number INP000006156) and as a Research Entity (Registration Number INH000008686). Morningstar Investment Research India Private Limited has not been the subject of any disciplinary action by SEBI or any other legal/ regulatory body. Morningstar Investment Research India Private Limited is a wholly owned subsidiary of Morningstar Investment Management LLC. In India, Morningstar Investment Research India Private Limited has one associate, Morningstar India Private Limited, which provides data related services, financial data analysis and software development. The Research Analyst has not served as an officer, director or employee of the fund company within the last 12 months, nor has it or its associates engaged in market making activity for the fund company.

For Recipients in Canada: The Report has been issued and distributed in Canada by Morningstar Research Inc., the Canadian subsidiary of Chicago-based Morningstar, Inc., a leading provider of independent investment research in North America, Europe, Australia, and Asia. This research is not prepared subject to Canadian disclosure requirements.

*The Conflicts of Interest disclosure above also applies to relatives and associates of Manager Research Analysts in India. The Conflicts of Interest disclosure above also applies to associates of Manager Research Analysts in India. The terms and conditions on which Morningstar Investment Adviser India Private Limited offers Investment Research to clients, varies from client to client, and are detailed in the respective client agreement.



1 Toronto Street, Suite 500
Toronto, Ontario M5C 2W4
Canada

About Morningstar Manager Research

Morningstar's global manager research team conducts objective, qualitative analysis of managed investment strategies such as mutual funds and exchange-traded funds. Manager research analysts express their views through the Morningstar Medalist Rating, which takes the form of Gold, Silver, Bronze, Neutral, or Negative. The analysts arrive at a strategy's Medalist Rating by assessing key areas including its management team and supporting resources (People Pillar), its investment approach and rationale (Process Pillar), and the investment organization backing the strategy concerned (Parent Pillar). The analysts juxtapose those assessments with the strategy's cost in arriving at a final Analyst Rating, which expresses their conviction in the strategy's ability to outperform a relevant benchmark index or category peers over a market cycle, adjusted for risk. The Morningstar Medalist Rating methodology is forward-looking in nature and applied consistently across geographies and markets. (The Medalist Rating is an opinion, not a statement of fact, and is not intended to be nor is a guarantee of future performance.)

About Morningstar Manager Research Services

Morningstar Manager Research Services combines the firm's fund research reports, ratings, software, tools, and proprietary data with access to Morningstar's manager research analysts. It complements internal due-diligence functions for institutions such as banks, wealth managers, insurers, sovereign wealth funds, pensions, endowments, and foundations. Morningstar's manager research analysts are employed by various wholly owned subsidiaries of Morningstar, Inc. including but not limited to Morningstar Research Services LLC (USA), Morningstar UK Ltd, and Morningstar Australasia Pty Ltd.

©2025 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses, and opinions presented herein do not constitute investment advice; are provided solely for informational purposes and therefore are not an offer to buy or sell a security; and are not warranted to be correct, complete, or accurate. The opinions expressed are as of the date written and are subject to change without notice. Except as otherwise required by law, Morningstar shall not be responsible for any trading decisions, damages, or other losses resulting from, or related to, the information, data, analyses, or opinions or their use. The information contained herein is the proprietary property of Morningstar and may not be reproduced, in whole or in part, or used in any manner, without the prior written consent of Morningstar. To order reprints, call +1 312-696-6100. To license the research, call +1 312 696-6869.