

Canadian ETF Industry

\$600 1800 2024 vs. 2014 ETF AUM (\$B) - Left # of regular class ETFs: \$500 1500 # ETFs - Right 1497 vs. 366 Asset Under Management: \$519B vs. \$77B 1200 \$400 ETF AUM (\$B) # of Providers: 45 vs. 9 \$300 CAGR in the past 10 Yrs: 900 21% \$200 600 \$100 300 2003 2006 2007 2008 2008 2009 2011 2012 2014 2014 2017 2018 2018 2020 2020 2023 2023

Figure 1: Canada-listed ETF Asset and Number Growth

Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024; ETF flows and AUM since 2019 are adjusted for fund of funds.

Canadian ETFs gathered \$76 billion in 2024, a record year of ETF inflows, assets and new launches.

Canadian ETF Issuers as of Dec 31, 2024

Table 2 - ETF Flows by	Provider - F	ull Year 202	24			
New Meth	odology (ad	justed for E	TF-of-ETFs)	Unadjı	ısted
Provider	AUM	Mkt Shr	Full Yea		Full Yea	r 2024
FIOVILLEI	(\$M)	(%)	Flow (\$M)	Flow/AUM	AUM (\$M)	Flow (\$M)
1 RBC iShares	\$143,473	27.6%	\$18,125	16%	\$154,211	\$20,822
2 BMO	\$117,851	22.7%	\$17,414	18%	\$129,404	\$18,461
3 Vanguard	\$74,927	14.4%	\$13,735	22%	\$91,986	\$16,978
4 Global X*	\$36,228	7.0%	\$3,365	11%	\$38,665	\$4,090
5 CI GAM	\$22,638	4.4%	-\$1,133	-5%	\$22,737	-\$1,196
6 TDAM	\$19,160	3.7%	\$4,507	37%	\$19,560	\$4,700
7 Mackenzie**	\$15,103	2.9%	\$859	7%	\$15,443	\$929
8 NBI	\$12,420	2.4%	\$567	5%	\$12,420	\$566
9 Purpose	\$11,996	2.3%	\$0	0%	\$12,532	\$123
10 Fidelity	\$11,779	2.3%	\$5,993	107%	\$16,413	\$9,070
11 Invesco	\$7,825	1.5%	\$1,100	19%	\$7,977	\$1,219
12 Hamilton	\$4,951	1.0%	\$1,996	54%	\$6,891	\$2,667
13 Harvest	\$4,550	0.9%	\$1,248	33%	\$5,170	\$1,326
14 Desjardins	\$4,523	0.9%	\$2,181	117%	\$4,523	\$2,181
15 CIBC	\$4,331	0.8%	\$1,287	46%	\$4,370	\$1,298
16 Evolve Funds	\$4,129	0.8%	\$412	12%	\$4,227	\$417
17 Manulife	\$3,862	0.7%	\$645	22%	\$3,868	\$634
18 Dynamic	\$3,841	0.7%	\$719	27%	\$3,841	\$719
19 PIMCO	\$3,235	0.6%	\$924	39%	\$3,235	\$924
20 Scotia Bank	\$3,161	0.6%	\$1,128	73%	\$3,161	\$1,128
21 Franklin Templeton	\$1,914	0.4%	\$315	22%	\$1,935	\$336
22 Picton Mahoney	\$1,105	0.2%	\$337	49%	\$1,105	\$337
23 Brompton Funds	\$1,042	0.2%	\$386	55%	\$1,195	\$424
24 AGF	\$965	0.2%	-\$228	-22%	\$965	-\$228
25 Guardian Capital	\$558	0.1%	\$170	47%	\$568	\$179
26 First Trust	\$555	0.1%	\$91	22%	\$576	\$104
27 Middlefield	\$539	0.1%	-\$13	-3%	\$539	-\$13
28 Ninepoint Partners	\$490	0.1%	-\$165	-28%	\$490	-\$165
29 3iQ	\$461	0.1%	-\$90	-35%	\$461	-\$90
30 Capital Group	\$279	0.1%	\$282	NA	\$279	\$282
31 Bristol Gate	\$240	0.0%	-\$220	-55%	\$240	-\$220
32 Mulvihill	\$152	0.0%	\$48	55%	\$152	\$48
33 IA Clarington	\$151	0.0%	\$16	12%	\$151	\$16
34 Accelerate	\$129	0.0%	\$60	89%	\$136	\$60
35 JP Morgan	\$123	0.0%	\$120	NA	\$123	\$120
36 Arrow Capital	\$108	0.0%	\$52	99%	\$108	\$52
37 Lysander	\$89	0.0%	-\$6	-7%	\$89	-\$6
38 Russell Investments	\$76	0.0%	-\$2	-3%	\$76	-\$2
39 LongPoint	\$29	0.0%	\$30	NA	\$29	\$30
40 Corton Capital	\$23	0.0%	\$23	NA	\$23	\$23
41 Quadravest	\$21	0.0%	\$20	NA	\$21	\$20
42 Tralucent	\$20	0.0%	\$15	703%	\$20	\$15
43 Starlight	\$17	0.0%	-\$5	-25%	\$17	-\$5
44 Forstrong	\$14	0.0%	-\$28	-70%	\$14	-\$28
45 Caldwell	\$5	0.0%	\$0	NA	\$5	\$0
Total	\$519,088	100.0%	\$76,279	18.4%	\$569,952	\$88,345
					ows. Source: NE	

*Previously branded as Horizons; **Includes Wealthsimple asset and flows. Source: NBF, Bloomberg





in BMO flows in 2024

largest

ETF provider in Canada

\$125 **Billion in AUM**



Local experts & dedicated ETF strategists ready to support you across Canada

>10,000 ETF Market Insights subscribers

>400,000 ETF Dashboard views

>75,000 Downloads of 'Views from the Desk'podcast





Objective Focused





 Risk **Factor**

ETFs



Comprehensive Equities &

Sectors



Comprehensive

Fixed Income



Active / Alpha

Focused



Asset Allocation

ETFs

COVERED CALLS ZDYA ZFS▲ **ZDM**▲ EQUAL COVERED CALLS ZFS▲ ZCS▲ ZEQ▲ LOW VOL ZLBA ZLU▲ ZEB▲ WEIGHT

BMO

Canada's 1st

- covered call ETF (ZWB
- low vol ETF (ZLB)
- high yield ETF (ZHY)
- discount bond ETF





Tickers with a ten-year track record A provider you can trust for access to growth and income

Tickers over \$1 billion

Selection of **ESG** Mandates



20+

Award winning

ETFs

in 2023

- Canada's largest us equity ETF (ZSP)
- Canada's largest selection of sector ETFS
- Largest fixed income suite in Canada
- Largest provider of smart beta ETFS
- Largest covered call suite in Canada
- Many of the largest ETFs in Canada are BMO ETFs

Advisor use only

EQUAL SMART LOW VOL WEIGHT BETA

Examples of Different Types of ETFs Available

Index

- Equities: iShares Cdn Russel 2000 Index ETF (XSU:CA), iShares NASDAQ 100 Index ETF (CADHedged) (XQQ:CA)
- Bonds: BMO Short Corporate Bond Index ETF (ZCS:CA), BMO Mid Corporate Bond Index ETF (ZCM:CA);
- Sectors: iShares Cdn Tech Sector Index ETF (XIT:CA); Health Care Select Sector SPDR Fund (XLV)

Rules-based ("smart beta")

 iShares Cdn Value Index ETF (XCV:CA); iShares MSCI Min Vol Canada Index ETF (XMV:CA); iShares S&P/TSX Canadian Dividend Aristocrats ETF (CDZ:CA)

Balanced

TD One-Click Moderate ETF Portfolio (TOCM:CA)
 Vanguard Retirement Income ETF Portfolio (VRIF:CA)

Actively managed

• TD Active Global Enhanced Dividend ETF (TGED:CA) • TD Active Global Infrastructure Equity ETF (TINF:CA)

Covered Call

BMO Covered Call Canadian Banks ETF (ZWB:CA)
 BMO Covered Call Utilities ETF (ZWU:CA)

Canadian ETF Industry

Table 1 - ETF Flo	ws by Cat	egory - F	ull Year 202	24				
	AUM	Mkt Shr	Dec	2024	Full Year 2024			
	(\$M)	(%)	Flow \$M	Flow/AUM	Flow \$M	Flow/AUM		
Equity	\$327,364		\$7,835	2.4%	\$44,612	17.4%		
Canada	\$102,466	20%	\$3,150	3.1%	\$8,802	10.1%		
United States	\$129,703	25%	\$3,080	2.4%	\$21,819	24.1%		
International	\$95,194	18%	\$1,605	1.7%	\$13,991	17.7%		
Fixed Income	\$146,064	28%	\$2,254	1.6%	\$24,080	18.6%		
Commodities	\$3,045	1%	\$20	0.7%	\$995	60.4%		
Multi-Asset	\$28,355	5%	\$897	3.2%	\$6,000	31.0%		
Inverse / Levered	\$6,118	1%	\$195	3.2%	\$1,733	44.8%		
Crypto-Asset	\$8,143	2%	-\$606	-6.8%	-\$1,141	-24.2%		
Total	\$519,088	100%	\$10,595	2.1%	\$76,279	18.4%		

*Equity Flows include option strategies;

Source: National Bank of Canada, Bloomberg

Canadian ETF Industry

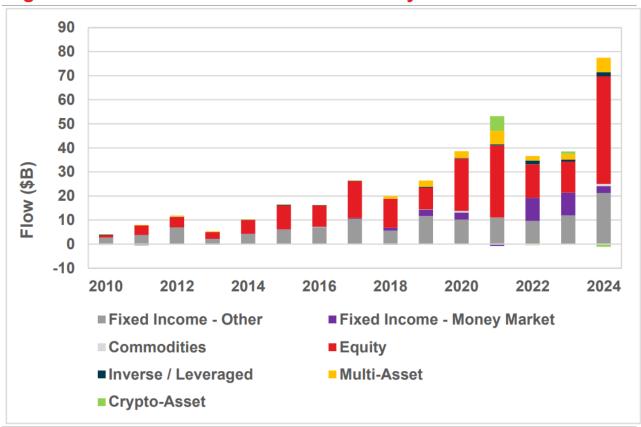
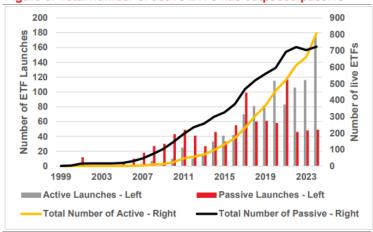


Figure 2: Canada-listed Annual ETF Flows by Asset Class

Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024. ETF flows and AUM since 2019 are adjusted for fund of funds.

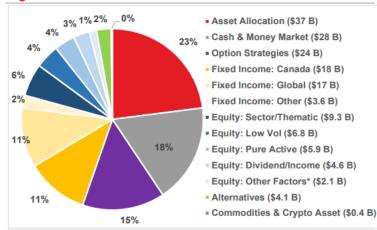
Trends in Canadian ETF Industry

Figure 6: Total number of active ETFs has outpaced passive



Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024.

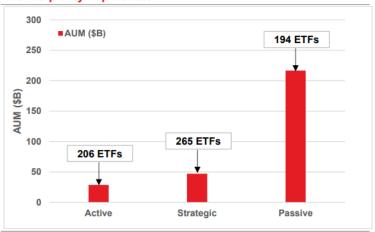
Figure 7: Breakdown of active ETF AUM



Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024.

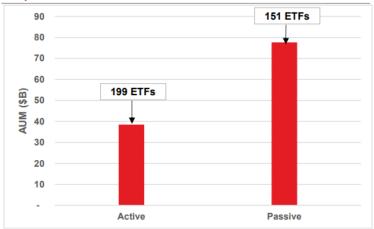
Trends in Canadian ETF Industry

Figure 8: Equity ETF AUM Breakdown - Active is relatively small but has plenty of products



Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024.

Figure 9: Fixed Income ETF AUM Breakdown - Active has taken deeper root



Source: NBF ETF Research, Bloomberg. Data as of December 31, 2024.

The Case for Indexing – SPIVA Canada Scorecard

Report 1a: Percentage of Funds Outperformed by the Index (Based on Absolute Return)

	omage or ramae earpoint			(, , , , , , , , , , , , , , , , , , , ,
Fund Category	Comparison Index	YTD (%)	1-Year (%)	3-Year (%)	5-Year (%)	10-Year (%)
Canadian Equity	S&P/TSX Composite Index	42.9	42.5	83.3	96.4	82.3
Canadian Focused Equity	50% S&P/TSX Composite + 25% S&P 500 (CAD) + 25% S&P EPAC LargeMidCap (CAD)	43.3	51.5	67.6	91.2	96.6
Canadian Dividend & Income Equity	S&P/TSX Canadian Dividend Aristocrats Index	48.1	32.2	89.8	88.1	79.3
Canadian Small-/ Mid-Cap Equity	S&P/TSX Completion	80.0	73.3	36.4	67.6	65.1
U.S. Equity	S&P 500 (CAD)	61.3	68.7	96.5	95.3	97.3
International Equity	S&P EPAC LargeMidCap (CAD)	64.0	59.5	79.7	87.4	93.1
Global Equity	S&P Developed LargeMidCap (CAD)	47.2	62.5	91.4	92.8	96.0

Source: S&P Dow Jones Indices LLC, Fundata. Data for periods ending June 30, 2022. Outperformance is based on equal-weighted fund counts. Index performance based on total return. Past performance is no guarantee of future results. Table is provided for illustrative numbers.

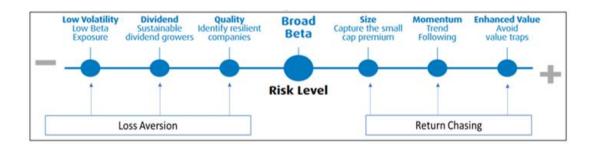
Report 2: Fund Underperformance Rates - Canada Categories

Fund Category	Comparison Index	YTD (%)	1-Year (%)	3-Year (%)	5-Year (%)	10-Year (%)
Canada Equities						
Canadian Equity	S&P/TSX Composite Index	66.67	80.82	76.00	89.55	93.41
Canadian Focused Equity	50% S&P/TSX Composite Index + 25% S&P 500 (CAD) + 25% S&P EPAC LargeMidCap (CAD)	85.00	86.21	76.47	86.67	98.15
Canadian Dividend & Income Equity	S&P/TSX Canadian Dividend Aristocrats Index	29.17	69.81	50.00	85.96	86.57
Canadian Small-/ Mid-Cap Equity	S&P/TSX Completion Index	84.38	83.87	84.85	70.27	75.00
Global Equities						
Global Equity (CAD)	S&P World Index	82.07	88.72	97.30	95.71	97.65
International Equity (CAD)	S&P EPAC LargeMidCap	72.97	85.33	86.49	89.86	93.06
U.S. Equities						
U.S. Equity (CAD)	S&P 500	75.00	72.14	98.00	96.45	96.90

Source: S&P Dow Jones Indices LLC, Fundata. Data as of June 30, 2024. Index and fund performance based on CAD. Past performance is no guarantee of future results. Table is provided for illustrative purposes.

The Case for Rules Based / Smart Beta (Semi-Active ETFs)

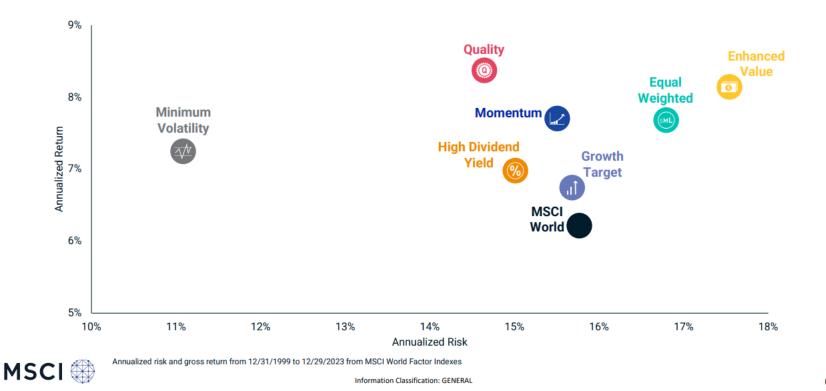
- Reduce risk versus broad indexes or try to outperform broad indexes
- Gain exposure to stocks with specific characteristics that are different from broad market
- Typically rules based ETFs are the half way point between index & active; and they tend to be about 1/2 to 4 the cost (MER) of active funds







Long Term Factor Performance



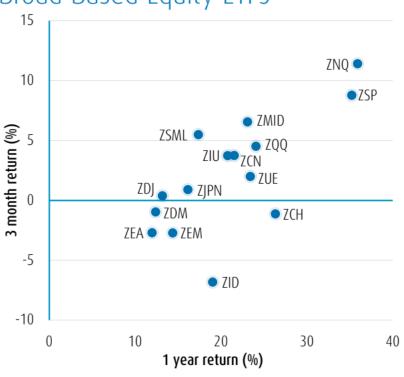


The Case for Active ETFs / Funds

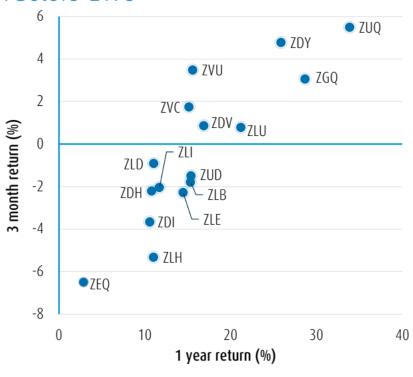
- Reduce risk or try to outperform the market
- Picking a concentrated portfolio of individual names
- Could have a focus on income generation
- Bonds: may want to delegate credit & duration call to a skilled professional manager (eg Pimco)
- Small caps: this is another area where active management is more popular. The market for small
 caps is less efficient, so there is a higher probability that a skilled portfolio manager is able to
 outperform in this segment.
- Look for long-term consistency of the manager; length of track record, Morningstar star & quartile ratings (Morningstar.ca)

What's Trending: Momentum Report

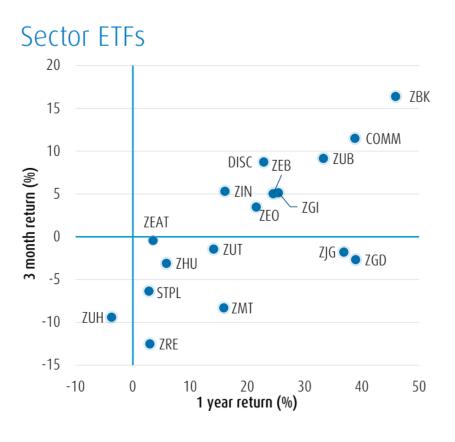
Broad Based Equity ETFs



Factors ETFs

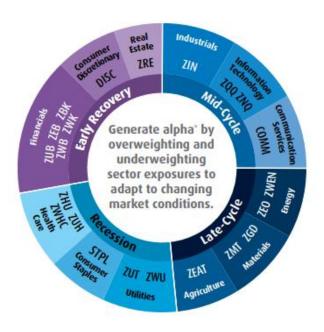


What's Trending: Momentum Report



Using Index ETFs to Generate Alpha: Examples

- Reduce risk or try to outperform the market
- Use of sector ETFs to articulate macro views, and reduces risk versus picking individual stocks (hold a diversified basket of names within the same sector)



Early Recovery – Growth begins to rebound from a recession; investment and consumption pick up. Monetary policy remains loose. Sectors: Financials, Consumer Discretionary, Real Estate

Mid-Cycle – Economic growth strengthens.
Credit expansion and profit margins grow.
Monetary policy begins to tighten.
Sectors: Industrials, Information Technology,

Late-Cycle – Economic growth peaks as monetary policy becomes tight and restrictive. Credit standards are tightened and corporate profits begin to decline.

Sectors: Energy, Materials Sub Sector: Agriculture

Telecommunication Services

Recession – Economic growth contracts and unemployment rises sharply while corporate profits turn negative. Monetary policy loosens to provide relief.

Sectors: Utilities Consumer Staples, Health Care

Thank You!

Disclaimer

This presentation is for information purposes. The information contained herein is not, and should not be construed as, investment, tax or legal advice to any party. Particular investments and/or trading strategies should be evaluated relative to the individual's investment objectives and professional advice should be obtained with respect to any circumstance.

Any statement that necessarily depends on future events may be a forward-looking statement. Forward-looking statements are not guarantees of performance. They involve risks, uncertainties and assumptions. Although such statements are based on assumptions that are believed to be reasonable, there can be no assurance that actual results will not differ materially from expectations. Investors are cautioned not to rely unduly on any forward-looking statements. In connection with any forward-looking statements, investors should carefully consider the areas of risk described in the most recent simplified prospectus.

S&P®, S&P/TSX Capped Composite®, S&P 500® are registered trademarks of Standard & Poor's Financial Services LLC ("S&P") and "TSX" is a trademark of TSX Inc. These trademarks have been licensed for use by S&P Dow Jones Indices LLC and sublicensed to BMO Asset Management Inc. The ZCN & ZSP are not sponsored, endorsed, sold or promoted by S&P Dow Jones LLC, S&P, TSX, or their respective affiliates and S&P Dow Jones Indices LLC, S&P, TSX and their affiliates make no representation regarding the advisability of trading or investing in such BMO ETF(s).

The BMO ETFs or securities referred to herein are not sponsored, endorsed or promoted by MSCI Inc. ("MSCI"), and MSCI bears no liability with respect to any such BMO ETFs or securities or any index on which such BMO ETFs or securities are based. The prospectus of the BMO ETFs contains a more detailed description of the limited relationship MSCI has with BMO Asset Management Inc. and any related BMO ETFs.

Commissions, management fees and expenses all may be associated with investments in exchange traded funds. Please read the ETF Facts or prospectus of the BMO ETFs before investing. The indicated rates of return are the historical annual compounded total returns including changes in unit value and reinvestment of all dividends or distributions and do not take into account sales, redemption, distribution or optional charges or income taxes payable by any unitholder that would have reduced returns. Exchange traded funds are not guaranteed, their values change frequently and past performance may not be repeated.

For a summary of the risks of an investment in the BMO ETFs, please see the specific risks set out in the BMO ETF's prospectus. BMO ETFs trade like stocks, fluctuate in market value and may trade at a discount to their net asset value, which may increase the risk of loss. Distributions are not guaranteed and are subject to change and/or elimination.

BMO ETFs are managed by BMO Asset Management Inc., which is an investment fund manager and a portfolio manager, and a separate legal entity from Bank of Montreal.

BMO Global Asset Management is a brand name that comprises BMO Asset Management Inc. and BMO Investments Inc.

®/™ Registered trade-marks/trade-mark of Bank of Montreal, used under licence.



Examples of Rules Based / Smart Beta (Semi-Active ETFs)

• <u>Dividend based screening</u> – examples of screens and resulting exposures



4.31% ZDV Yield vs Index ZCN 3.37%

Royal Bank Of Canada	5.38%
Bank Of Nova Scotia	5.11%
Enbridge Inc	5.00%
Toronto-Dominion Bank	4.86%
Can Imperial Bk Of Commerce	4.71%
Bce Inc	4.59%
Canadian Natural Resources	4.45%
Bank Of Montreal	4.17%
Manulife Financial Corp	4.08%
Canadian Natl Railway Co	3.65%

Top Holdings	
Jpmorgan Chase & Co	2.69%
Home Depot Inc	2.55%
Abbvie Inc	2.52%
Intl Business Machines Corp	2.47%
Johnson & Johnson	2.44%
Apple Inc	2.41%
Verizon Communications Inc	2.40%
Chevron Corp	2.39%
Microsoft Corp	2.36%
Bank Of America Corp	2.36%

2.5% ZDY Yield vs Index ZSP 1.37%

GICS Equity Sector (%)												
	Portfolio Date	Consumer Discretionary	Consumer Staples	Energy	Financials	Healthcare	Industrials	Information Technology	Materials	Telecom Services	Real Estate	Utilities
BMO Canadian Dividend ETF	12/31/2023	1.9	3.6	18.7	41.6	0.0	8.0	0.0	7.3	9.9	0.0	9.0
BMO S&P/TSX Capped Composite ETF	12/31/2023	3.6	4.2	17.1	31.3	0.3	13.7	8.6	11.0	3.7	2.4	4.0
BMO US Dividend ETF (CAD)	12/31/2023	6.4	11.0	5.4	17.6	18.9	8.9	18.7	1.7	3.7	1.1	6.7
BMO S&P 500 ETF (CAD)	12/31/2023	10.8	6.1	3.9	13.0	12.7	8.8	28.9	2.4	8.6	2.5	2.3

Examples of Rules Based / Smart Beta (Semi-Active ETFs)

- Quality fundamental based screening examples of screens and resulting exposures
 - MSCI USA High Quality Index vs S&P500 Index



Top Holdings	
Meta Platforms Inc-Class A	5.02%
Apple Inc	4.81%
Microsoft Corp	4.74%
Nvidia Corp	4.67%
Eli Lilly & Co	4.61%
Broadcom Inc	4.27%
Visa Inc-Class A Shares	4.03%
Unitedhealth Group Inc	3.77%
Mastercard Inc - A	3.50%
Johnson & Johnson	3.13%

Trailing Returns											
As of Date: 1/31/2024 Currency: Canadian Dollar											
	1 Month	3 Months	6 Months	YTD	1 Year	2 Years	3 Years	5 Years	10 Years	Since Inception	Inception Date
BMO MSCI USA High Quality ETF	4.63	13.59	11.81	4.63	33.71	10.88	13.75	16.93		15.69	11/5/2014
BMO S&P 500 ETF (CAD)	3.17	12.34	8.31	3.17	21.61	7.92	12.49	14.43	14.31	16.72	11/14/2012

5-Year Risk measures											
Time Period: 2/1/2019 to 1/31/2024 Source Data: Monthly Return Calculation Benchmark: Morningstar US Market TR CAD											
	Return	Standard Deviation	Sharpe Ratio	Beta	Alpha	Up Capture Ratio	Down Capture Ratio	Max Drawdowr			
BMO MSCI USA High Quality ETF	16.93	14.86	1.01	0.98	2.88	111.31	104.04	-23.04			
BMO S&P 500 ETF (CAD)	14.42	14.15	0.89	0.97	0.62	99.59	97.10	-18.6			

GICS Equity Sector (%)												
	Portfolio Date	Consumer Discretionary	Consumer Staples	Energy	Financials	Healthcare	Industrials	Information Technology	Materials	Telecom Services	Real Estate	Utilities
BMO MSCI USA High Quality ETF	12/31/2023	3.9	7.0	0.1	10.1	19.9	12.1	36.4	0.2	10.0	0.4	0.0
BMO S&P 500 ETF (CAD)	12/31/2023	10.8	6.1	3.9	13.0	12.7	8.8	28.9	2.4	8.6	2.5	2.3

The Case for Covered Call ETFs

- For investors seeking a higher level of tax efficient income
- Essentially monetizing volatility, turning it into a source of monthly cash flow
- BMO by far the largest manager of covered call ETFs in Canada (over 50% market share & \$14 billion AUM)

