

CETFA Monthly Report (\$ millions)
as of April 30, 2019

Top 25 ETFs by Net Creations - Current Month

ETF Name	Ticker	Management Code	Current Month	YTD 2019
1 iShares Core MSCI EAFE IMI Index ETF	XEF	BLK	\$ 441	\$ 1,071
2 BMO Core Plus Bond ETF	ZCPB	BMO	421	549
3 iShares Core S&P 500 Index ETF	XUS	BLK	404	566
4 iShares Core S&P/TSX Capped Composite Index ETF	XIC	BLK	369	1,231
5 BMO S&P 500 Index ETF	ZSP	BMO	310	1,404
6 BMO S&P 500 Hedged to CAD Index ETF	ZUE	BMO	283	699
7 BMO Aggregate Bond Index ETF	ZAG	BMO	227	972
8 BMO Long Federal Bond Index ETF	ZFL	BMO	191	131
9 BMO Laddered Preferred Share Index ETF	ZPR	BLK	172	90
10 CI First Asset MSCI Canada Quality Index Class ETF	FQC	FAF	120	118
11 Vanguard Canadian Aggregate Bond Index ETF	VAB	VNG	87	650
12 Vanguard U.S. Aggregate Bond Index ETF (CAD-Hedged)	VBU	VNG	73	260
13 Vanguard Balanced ETF Portfolio	VBAL	VNG	67	565
14 iShares Canadian Short Term Bond Index ETF	XSB	BLK	66	157
15 iShares Core MSCI Emerging Markets IMI Index ETF	XEC	BLK	66	295
16 Horizons S&P/TSX 60 Index ETF	HXT	HRZ	66	131
17 PIMCO Monthly Income (Canada) ETF	PMIF	PMC	64	799
18 iShares Canadian Universe Bond Index ETF	XBB	BLK	59	284
19 Vanguard FTSE Canada All Cap Index ETF	VCN	VNG	53	725
20 CI First Asset MSCI International Low Risk Weighted ETF	RWX	FAF	52	56
21 Vanguard Growth ETF Portfolio	VGRO	VNG	51	728
22 BMO MSCI Emerging Markets Index ETF	ZEM	BMO	51	584
23 Franklin Liberty Global Aggregate Bond ETF (CAD-Hedged)	FLGA	FLS	49	402
24 BMO Low Volatility Canadian Equity ETF	ZLB	BMO	49	176
25 Vanguard U.S. Total Market Index ETF	VUN	VNG	49	598
Top 25			\$ 3,840	\$ 13,243

*Source: Strategic Insight

Top 25 ETFs by Net Redemptions - Current Month

ETF Name	Ticker	Management Code	Current Month	YTD 2019
1 RBC International Equity Index ETF	RINT	RBC	\$ (433)	\$ (416)
2 RBC U.S. Equity Index ETF	RUSA	RBC	(412)	(430)
3 BMO High Yield US Corporate Bond Index ETF	ZJK	BMO	(138)	(250)
4 BMO High Yield US Corporate Bond Hedged ETF	ZHY	BMO	(135)	430
5 CI First Asset MSCI World Low Risk Weighted ETF	RWW	FAF	(117)	10
6 BMO Short Corporate Bond Index ETF	ZCS	BMO	(85)	(255)
7 BMO Equal Weight Banks Index ETF	ZEB	BMO	(62)	136
8 iShares Core S&P 500 Index ETF (CAD-Hedged)	XSP	BLK	(58)	291
9 RBC Canadian Short Term Bond Index ETF	RCSB	RBC	(57)	(46)
10 RBC Canadian Bond Index ETF	RCUB	RBC	(44)	(40)
11 BMO Equal Weight US Banks Index ETF	ZBK	BMO	(42)	(120)
12 BMO Floating Rate High Yield ETF	ZFH	BMO	(38)	(334)
13 BetaPro Crude Oil 2x Daily Bull ETF	HOU	HRZ	(33)	(24)
14 BMO Equal Weight US Health Care Hedged to CAD Index ETF	ZUH	BMO	(32)	46
15 iShares S&P/TSX Capped Energy Index ETF	XEG	BLK	(32)	(196)
16 BMO Mid Corporate Bond Index ETF	ZCM	BMO	(31)	(297)
17 iShares Floating Rate Index ETF	XFR	BLK	(30)	306
18 BMO Europe High Dividend Covered Call Hedged to CAD ETF	ZWE	BMO	(27)	176
19 BMO U.S. Dividend ETF	ZDY	BMO	(26)	(134)
20 RBC Vision Women's Leadership MSCI Canada Index ETF	Rldr	RBC	(26)	149
21 RBC Emerging Markets Equity Index ETF	REEM	RBC	(25)	(26)
22 Invesco 1-5 Year Laddered Investment Grade Corporate Bond Index ETF	PSB	AIM	(25)	28
23 BMO Mid-Term U.S. IG Corporate Bond Index ETF	ZIC	BMO	(25)	(156)
24 RBC Canadian Equity Index ETF	RCAN	RBC	(24)	(9)
25 BMO MSCI EAFE Hedged to CAD Index ETF	ZDM	BMO	(24)	(4)
Top 25			\$ (1,982)	\$ (1,167)

*Source: Strategic Insight

Top 25 Largest ETFs by AUM

ETF Name	Ticker	Management Code	AUM	% of Total
1 iShares S&P/TSX 60 Index ETF	XIU	BLK	\$ 8,245	4.6%
2 BMO S&P 500 Index ETF	ZSP	BMO	6,524	3.7%
3 iShares Core S&P/TSX Capped Composite Index ETF	XIC	BLK	5,616	3.1%
4 iShares Core S&P 500 Index ETF (CAD-Hedged)	XSP	BLK	4,742	2.7%
5 BMO Aggregate Bond Index ETF	ZAG	BMO	4,289	2.4%
6 BMO S&P/TSX Capped Composite Index ETF	ZCN	BMO	3,985	2.2%
7 BMO MSCI EAFE Index ETF	ZEA	BMO	2,701	1.5%
8 iShares Core MSCI EAFE IMI Index ETF	XEF	BLK	2,693	1.5%
9 iShares Canadian Universe Bond Index ETF	XBB	BLK	2,671	1.5%
10 Vanguard S&P 500 Index ETF	VFV	VNG	2,325	1.3%
11 iShares Canadian Short Term Bond Index ETF	XSB	BLK	2,098	1.2%
12 Horizons S&P/TSX 60 Index ETF	HXT	HRZ	2,015	1.1%
13 Vanguard Canadian Aggregate Bond Index ETF	VAB	VNG	1,997	1.1%
14 BMO Laddered Preferred Share Index ETF	ZPR	BMO	1,928	1.1%
15 BMO Covered Call Canadian Banks ETF	ZWB	BMO	1,927	1.1%
16 Vanguard FTSE Canada All Cap Index ETF	VCN	VNG	1,924	1.1%
17 iShares Core S&P 500 Index ETF	XUS	BLK	1,891	1.1%
18 Vanguard U.S. Total Market Index ETF	VUN	VNG	1,854	1.0%
19 BMO S&P 500 Hedged to CAD Index ETF	ZUE	BMO	1,722	1.0%
20 iShares Canadian Corporate Bond Index ETF	XCB	BLK	1,607	0.9%
21 Purpose High Interest Savings ETF	PSA	PFC	1,575	0.9%
22 iShares Core S&P U.S. Total Market Index ETF	XUU	BLK	1,509	0.8%
23 Horizons Active Preferred Share ETF	HRP	HRZ	1,492	0.8%
24 BMO U.S. Dividend ETF	ZDY	BMO	1,471	0.8%
25 BMO Short Corporate Bond Index ETF	ZCS	BMO	1,440	0.8%
Top 25			\$ 70,241	39.3%

*Source: Strategic Insight

Net Creations by ETF Provider

ETF Provider	Management Code	Current Month	Previous Month	Change	YTD 2019	% of Total 2019
BlackRock Canada	BLK	\$ (59)	\$ (59)	\$ -	\$ 270	3.8%
BMO Asset Management	BMO	1,256	506	148.0%	2,575	35.7%
Vanguard Canada	VNG	600	476	26.2%	1,832	25.4%
CI First Asset	FAF	123	185	-33.3%	836	11.6%
Franklin LibertyShares	FLS	102	68	49.7%	900	12.5%
Purpose Investments	PFC	76	79	-4.0%	169	2.3%
Horizons ETFs	HRZ	73	16	368.3%	6	0.1%
Mackenzie	MFC	73	83	-12.8%	300	4.2%
PIMCO Canada	PMC	58	115	-49.6%	327	4.5%
Desjardins Investments	DJD	54	7	678.5%	64	0.9%
AGFIQ	AGF	43	-	-	90	1.2%
Fidelity	FID	43	105	-59.4%	297	4.1%
Brompton Funds	BRM	42	14	198.6%	73	1.0%
Evolve Funds	EVL	37	6	559.2%	77	1.1%
Harvest Portfolios	HPG	35	16	112.3%	92	1.3%
CIBC Asset Management	CIB	27	37	-25.3%	108	1.5%
National Bank	NBC	11	24	-52.7%	54	0.7%
WisdomTree	WDT	9	56	-84.7%	89	1.2%
Bristol Gate Capital Partners	BRI	5	4	40.0%	11	0.1%
Arrow Capital Management	ACM	3	2	27.5%	11	0.1%
IA Clarington	IAC	2	3	-17.5%	5	0.1%
TD Asset Management	TDM	2	11	-77.7%	9	0.1%
Middlefield	MFD	2	(7)	-	154	2.1%
Manulife Investment Management	MNL	1	1	12.8%	(5)	-0.1%
Scotia Global Asset Management	BNS	1	-	-	1	-
Auspice Capital	AUS	-	(4)	-	(25)	-0.3%
Starlight Investments	STR	-	-	-	-	-
First Block Capital	FBC	-	-	-	-	-
SmartBe Wealth	SMB	-	(6)	-	5	0.1%
Coin Capital	CCI	-	-	-	-	-
Galileo Funds	GAL	-	-	-	-	-
Lysander Funds	LYS	(3)	4	-	6	0.1%
Hamilton Capital	HMC	(5)	(2)	-	12	0.2%
First Trust Portfolios Canada	FTP	(15)	4	-	(13)	-0.2%
Invesco ETFs	AIM	(44)	1	-	(102)	-1.4%
RBC Global Asset Management	RBC	(1,044)	(59)	-	(1,008)	-14.0%
Total		\$ 3,119	\$ 1,680		\$ 7,208	

*Source: Strategic Insight

AUM by ETF Provider

ETF Provider	Management Code	# of ETFs	Current Month	Previous Month	Change	Dec 2018
BlackRock Canada	BLK	122	\$ 62,621	\$ 60,266	3.9%	\$ 57,052
BMO Asset Management	BMO	101	55,724	53,514	4.1%	48,644
Vanguard Canada	VNG	39	20,717	19,771	4.8%	16,970
Horizons ETFs	HRZ	87	10,519	10,294	2.2%	9,476
CI First Asset	FAF	42	5,702	5,487	3.9%	4,428
Invesco ETFs	AIM	30	4,088	4,082	0.1%	3,865
RBC Global Asset Management	RBC	36	3,865	4,852	-20.3%	4,606
Mackenzie	MFC	28	3,451	3,330	3.6%	2,949
Purpose Investments	PFC	35	3,358	3,261	3.0%	3,085
Franklin LibertyShares	FLS	14	1,726	1,581	9.2%	723
PIMCO Canada	PMC	4	1,191	1,129	5.5%	837
WisdomTree	WDT	15	898	877	2.3%	719
AGFIQ	AGF	10	893	893	7.1%	714
Harvest Portfolios	HPG	12	686	636	4.8%	553
Fidelity	FID	14	527	471	12.0%	171
Evolve Funds	EVL	14	473	431	9.7%	353
Desjardins Investments	DJD	18	430	374	14.9%	346
First Trust Portfolios Canada	FTP	20	376	379	-0.9%	348
Manulife Investment Management	MNL	7	314	301	4.3%	282
Hamilton Capital	HMC	5	248	236	5.5%	206
Brompton Funds	BRM	6	206	162	27.6%	118
TD Asset Management	TDM	9	167	162	3.3%	148
Middlefield	MFD	2	155	158	-1.8%	-
CIBC Asset Management	CIB	4	110	82	34.8%	-
Lysander Funds	LYS	1	103	106	-2.7%	98
National Bank	NBC	4	54	43	26.5%	-
Bristol Gate Capital Partners	BRI	2	41	34	20.5%	24
Arrow Capital Management	ACM	2	18	15	16.7%	7
IA Clarington	IAC	3	17	15	14.9%	13
Auspice Capital	AUS	1	10	9	3.8%	21
Scotia Global Asset Management	BNS	4	7	8	8.4%	7
Starlight Investments	STR	2	7	7	-0.1%	6
Coin Capital	CCI	2	6	6	3.3%	5
SmartBe Wealth	SMB	1	5	5	2.4%	-
Galileo Funds	GAL	1	5	5	-6.6%	5
First Block Capital	FBC	1	1	1	2.6%	1
Total		698	\$ 178,702	\$ 172,925	3.3%	\$ 156,788

*Source: Strategic Insight

Market Share by ETF Provider

ETF Provider	Management Code	Current Month	Previous Month	Change	Dec 2018
BlackRock Canada	BLK	35.0%	34.9%	0.2%	36.4%
BMO Asset Management	BMO	31.2%	30.9%	0.2%	31.0%
Vanguard Canada	VNG	11.6%	11.4%	0.2%	10.8%
Horizons ETFs	HRZ	5.9%	6.0%	-0.1%	6.0%
CI First Asset	FAF	3.2%	3.2%	-	2.8%
Invesco ETFs	AIM	2.3%	2.4%	-0.1%	2.5%
RBC Global Asset Management	RBC	2.2%	2.8%	-0.6%	2.9%
Mackenzie	MFC	1.9%	1.9%	-	1.9%
Purpose Investments	PFC	1.9%	1.9%	-	2.0%
Franklin LibertyShares	FLS	1.0%	0.9%	0.1%	0.5%
PIMCO Canada	PMC	0.7%	0.7%	-	0.5%
WisdomTree	WDT	0.5%	0.5%	-	0.5%
AGFIQ	AGF	0.5%	0.5%	-	0.5%
Harvest Portfolios	HPG	0.4%	0.4%	-	0.4%
Fidelity	FID	0.3%	0.3%	-	0.4%
Evolve Funds	EVL	0.3%	0.2%	0.2%	0.2%
Desjardins Investments	DJD	0.2%	0.2%	-	0.2%
First Trust Portfolios Canada	FTP	0.2%	0.2%	-	0.2%
Manulife Investment Management	MNL	0.2%	0.2%	-	0.2%
Hamilton Capital	HMC	0.1%	0.1%	-	0.1%
Brompton Funds	BRM	0.1%	0.1%	-	0.1%
TD Asset Management	TDM	0.1%	0.1%	-	0.1%
Middlefield	MFD	0.1%	0.1%	-	-
CIBC Asset Management	CIB	0.1%	0.1%	-	0.1%
Lysander Funds	LYS	0.1%	0.1%	-	-
National Bank	NBC	-	-	-	-
Bristol Gate Capital Partners	BRI	-	-	-	-
Arrow Capital Management	ACM	-	-	-	-
IA Clarington	IAC	-	-	-	-
Auspice Capital	AUS	-	-	-	-
Scotia Global Asset Management	BNS	-	-	-	-
Starlight Investments	STR	-	-	-	-
Coin Capital	CCI	-	-	-	-
SmartBe Wealth	SMB	-	-	-	-
Galileo Funds	GAL	-	-	-	-
First Block Capital	FBC	-	-	-	-

*Source: Strategic Insight

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New ETFs Launched in 2019 - Top Funds by AUM					
ETF Name	Ticker	Management Code	AUM	% of Total	
1 Franklin FTSE U.S. Index ETF	FLAM	FLS	\$ 324	0.2%	
2 Franklin FTSE Canada All Cap Index ETF	FLCD	FLS	269	0.2%	
3 Franklin FTSE Europe ex U.K. Index ETF	FLUR	FLS	161	0.1%	
4 Franklin FTSE Japan Index ETF	FLJA	FLS	118	0.1%	
5 Fidelity U.S. High Quality Index ETF	FCUQ	FID	86	—	
6 Middlefield REIT INDEXPLUS ETF	IDR	MFD	85	—	
7 Middlefield Healthcare & Life Sciences ETF	LS	MFD	70	—	
8 PIMCO Global Short Maturity Fund (Canada)	PMNT	PMC	65	—	
9 Vanguard All-Equity ETF Portfolio	VEQT	VNG	64	—	
10 BMO NASDAQ 100 Equity Index ETF	ZNQ	BMO	56	—	
11 CIBC Active Investment Grade Corporate Bond ETF	CACB	CIB	51	—	
12 BMO Ultra Short-Term US Bond ETF	ZUS.U	BMO	49	—	
13 Brompton European Dividend Growth ETF	EDGF	BRM	40	—	
14 BMO Tactical Dividend ETF Fund	ZZZD	BMO	34	—	
15 Desjardins All Long/Short Equity Market Neutral ETF	DANC	DJD	32	—	
16 NBI Active Canadian Preferred Shares ETF	NPRF	NBC	32	—	
17 Vanguard Conservative Income ETF Portfolio	VCIP	VNG	31	—	
18 CIBC Multifactor U.S. Equity ETF	CMUE	CIB	25	—	
19 Horizons Laddered Canadian Preferred Share Index ETF	HLPK	HRZ	23	—	
20 CIBC Canadian Preferred Shares ETF	CMCE	CIB	22	—	
21 Horizons US Marijuana Index ETF	HMUS	HRZ	20	—	
22 Horizons Equal Weight Canada Banks Index ETF	HEWB	HRZ	19	—	
23 BMO Growth ETF	ZGRO	BMO	17	—	
24 Fidelity U.S. Low Volatility Index ETF	FCUL	FID	16	—	
25 BMO Covered Call US Banks ETF	ZWKC	BMO	16	—	
			\$ 1,725	1.0%	

*Source: Strategic Insight

New ETFs Launched in 2018 - Top Funds by Current Month Net Creations					
ETF Name	Ticker	Management Code	Net Creations	% of Total	
1 Franklin FTSE Japan Index ETF	FLJA	FLS	\$ 48	1.6%	
2 Brompton European Dividend Growth ETF	EDGF	BRM	40	1.3%	
3 Vanguard All-Equity ETF Portfolio	VEQT	VNG	28	0.9%	
4 Desjardins All Long/Short Equity Market Neutral ETF	DANC	DJD	27	0.9%	
5 Horizons US Marijuana Index ETF	HMUS	HRZ	21	0.7%	
6 BMO Ultra Short-Term US Bond ETF	ZUS.U	BMO	18	0.6%	
7 CIBC Active Investment Grade Corporate Bond ETF	CACB	CIB	14	0.5%	
8 BMO NASDAQ 100 Equity Index ETF	ZNQ	BMO	10	0.3%	
9 NBI Active Canadian Preferred Shares ETF	NPRF	NBC	10	0.3%	
10 Vanguard Conservative Income ETF Portfolio	VCIP	VNG	9	0.3%	
11 Fidelity U.S. High Quality Index ETF	FCUQ	FID	8	0.3%	
12 BMO Tactical Dividend ETF Fund	ZZZD	BMO	8	0.3%	
13 CIBC Multifactor U.S. Equity ETF	CMUE	CIB	6	0.2%	
14 Franklin FTSE Canada All Cap Index ETF	FLCD	FLS	5	0.2%	
15 Fidelity U.S. High Quality Currency Neutral Index ETF	FCOH	FID	4	0.1%	
16 CIBC Active Investment Grade Floating Rate Bond ETF	CAFR	CIB	4	0.1%	
17 Evolve U.S. Marijuana ETF	USMJ	EVL	4	0.1%	
18 CIBC Multifactor Canadian Equity ETF	CMCE	CIB	3	0.1%	
19 BMO Conservative ETF	ZCON	BMO	3	0.1%	
20 Fidelity U.S. Low Volatility Index ETF	FCUL	FID	3	0.1%	
21 Horizons Equal Weight Canada REIT Index ETF	HCRE	HRZ	3	0.1%	
22 Fidelity U.S. Low Volatility Currency Neutral Index ETF	FCLN	FID	3	0.1%	
23 Harvest Equal Weight Global Utilities Income ETF	HUTL	HPG	3	0.1%	
24 iShares ESG Canadian Short Term Bond Index ETF	XSTB	BLK	2	0.1%	
25 iShares ESG Canadian Aggregate Bond Index ETF	XSAB	BLK	2	0.1%	
			\$ 286	9.2%	

*Source: Strategic Insight

Net Creations by Asset Category					
Asset Category	Current Month	Previous Month	Change	YTD 2019	% of Total
Total	\$ 3,119	\$ 1,660	88.7%	\$ 7,268	100.0%
Fixed Income	1,210	1,219	-0.7%	3,604	50.0%
Investment grade	1,453	1,180	23.2%	3,919	54.4%
Corporate	21	170	-87.5%	659	9.1%
Government	379	177	114.3%	837	11.6%
Mix	1,053	833	26.5%	2,424	33.6%
High yield	(243)	39	—	(315)	-4.4%
Corporate	(310)	(62)	—	(561)	-7.8%
Emerging markets	(1)	(8)	—	(45)	-0.6%
Mix	67	109	-38.3%	291	4.0%
Equity	1,731	281	516.5%	2,916	40.5%
Canada	776	(453)	—	123	1.7%
US	656	762	-13.9%	1,963	27.2%
Emerging Markets	148	66	164.7%	481	6.7%
International	64	(30)	—	107	1.5%
North America	24	13	81.2%	6	0.1%
Europe	15	(23)	—	136	1.9%
Global	99	30	232.2%	243	3.4%
Sector	15	(74)	—	(143)	-2.0%
Agriculture	—	(4)	—	(11)	-0.2%
Consumer staples	6	4	56.5%	8	0.1%
Energy	(50)	(27)	—	(246)	-3.4%
Financials	(97)	(109)	—	(341)	-4.7%
Health care	18	33	-44.9%	151	2.1%
Industrials	—	—	—	(15)	-0.2%
Utilities & Infrastructure	20	19	1.5%	33	0.5%
Materials	5	(71)	—	(134)	-1.9%
Metals	4	(2)	—	20	0.3%
Multiple	8	14	-42.0%	40	0.6%
Real estate	17	94	-82.4%	281	3.9%
Technology	17	(26)	—	70	1.0%
Commodities	(29)	(13)	—	(46)	-0.6%
Energy	(4)	(50)	—	(63)	-0.9%
Metals	(25)	36	—	16	0.2%
Multi-asset class	175	218	-19.7%	677	9.4%
Currency	28	(25)	—	46	0.6%
Volatility	5	1	283.3%	11	0.2%
of which inverse/leveraged	\$ (36)	\$ (33)	—	(61)	-0.8%

*Source: Strategic Insight

Market Share by Asset Category					
Asset Category	Current Month	Previous Month	Change	Dec 2018	
Total	100.0%	100.0%	—	100.0%	
Fixed Income	28.8%	29.1%	-0.3%	29.8%	
Investment grade	25.1%	25.2%	—	25.6%	
Corporate	9.4%	9.7%	-0.3%	10.1%	
Government	4.2%	4.1%	0.1%	4.2%	
Mix	11.5%	11.3%	0.2%	11.4%	
High yield	3.7%	3.9%	-0.2%	4.2%	
Corporate	1.8%	2.0%	-0.2%	2.3%	
Emerging markets	0.2%	0.2%	—	0.2%	
Mix	1.7%	1.7%	—	1.7%	
Equity	68.3%	68.0%	0.2%	67.5%	
Canada	24.6%	24.8%	-0.3%	25.3%	
US	19.7%	19.1%	0.6%	18.5%	
Emerging Markets	2.3%	2.2%	—	2.1%	
International	9.0%	9.0%	—	9.1%	
North America	0.5%	0.5%	—	0.5%	
Europe	0.8%	0.8%	—	0.8%	
Global	2.7%	2.7%	0.1%	2.6%	
Sector	8.7%	8.9%	-0.2%	8.7%	
Agriculture	0.1%	0.1%	—	0.1%	
Consumer staples	0.1%	0.1%	—	0.1%	
Energy	0.6%	0.6%	—	0.7%	
Financials	1.8%	1.8%	—	2.0%	
Health care	1.3%	1.3%	-0.1%	1.1%	
Industrials	—	—	—	—	
Utilities & Infrastructure	1.0%	1.0%	—	1.0%	
Materials	0.6%	0.7%	-0.1%	0.8%	
Metals	0.1%	0.2%	—	0.1%	
Multiple	0.2%	0.2%	—	0.1%	
Real estate	1.6%	1.7%	-0.1%	1.5%	
Technology	1.2%	1.2%	—	1.1%	
Commodities	0.6%	0.7%	—	0.7%	
Energy	0.2%	0.2%	—	0.3%	
Metals	0.4%	0.4%	—	0.4%	
Multi-asset class	2.1%	2.1%	0.1%	1.8%	
Currency	0.1%	0.1%	—	0.1%	
Volatility	—	—	—	—	
of which inverse/leveraged	0.5%	0.5%	—	0.6%	

*Source: Strategic Insight

CETFA Monthly Report (\$ millions)

as of April 30, 2019

AUM of ETFs by Provider by Asset Category																																						
Asset Category	BlackRock	BMO	Vanguard	Horizons	CI First Asset	Invesco	RBC	Mackenzie	Purpose	Franklin Templeton	PIMCO	WisdomTree	AGF	Harvest	Fidelity	Evolve	Desjardins	First Trust	Manulife	Hamilton Capital	Brompton	TD	Middlefield	CIBC	Lysander	National Bank	Bristol Gate	Arrow	IA Clarington	Auspice	Scotia	Starlight	Coin Capital	SmartBe	Galileo	First Block		
Management Code	BLK	BMO	VNG	HRZ	FAF	AIM	RBC	MFC	PFC	FLS	PMC	WDT	AGF	HPG	FID	EVL	DJD	FTP	MNL	HMC	BRM	TDM	MFD	CIB	LYS	NBC	BRI	ACM	IAC	AUS	BNS	STR	CCI	SMB	GAL	FBC		
Total	\$ 62,621	\$ 58,724	\$ 20,717	\$ 10,519	\$ 5,702	\$ 4,088	\$ 3,865	\$ 3,451	\$ 3,358	\$ 1,726	\$ 1,191	\$ 898	\$ 893	\$ 666	\$ 527	\$ 473	\$ 430	\$ 376	\$ 314	\$ 1,226	\$ 1,191	\$ 206	\$ 167	\$ 155	\$ 110	\$ 103	\$ 54	\$ 41	\$ 18	\$ 17	\$ 10	\$ 9	\$ 7	\$ 6	\$ 5	\$ 5	\$ 1	
Fixed Income	15,916	18,403	4,798	2,210	1,644	1,614	1,294	2,106	1,897	487	1,191	888	893	666	527	473	430	376	314	1,226	1,191	206	167	155	110	103	54	41	18	17	10	9	7	6	5	5	1	
Investment grade	13,900	16,123	4,798	2,014	1,618	1,482	1,294	2,106	1,897	487	1,191	888	893	666	527	473	430	376	314	1,226	1,191	206	167	155	110	103	54	41	18	17	10	9	7	6	5	5	1	
Corporate	4,675	6,411	1,123	1,296	726	812	1,238	317	51	63	39	--	--	--	--	7	10	317	--	--	--	--	21	--	51	--	--	--	--	--	--	--	--	--	--	--	--	--
Government	1,994	4,135	42	162	584	458	--	106	--	--	--	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mix	7,231	5,577	3,633	556	308	212	56	223	1,653	412	68	335	163	--	--	50	47	19	--	--	--	--	14	--	13	--	--	--	8	17	--	2	--	--	--	--	--	--
High yield	1,116	2,261	--	196	26	131	--	1,460	194	12	1,084	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Corporate	660	2,033	--	170	--	131	--	39	60	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emerging markets	100	229	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mix	356	18	--	26	26	--	--	1,421	134	--	1,084	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Equity	45,675	37,162	14,335	7,486	4,051	2,424	2,571	1,339	1,021	1,233	--	562	725	666	527	415	351	235	314	248	198	133	155	47	103	44	41	--	--	7	7	6	--	--	--	1		
Canada	19,644	11,535	3,079	3,931	1,192	1,513	1,099	403	112	284	--	178	98	--	100	257	100	71	43	--	--	74	--	22	103	33	9	--	--	--	3	--	--	--	--	--	--	
US	10,642	12,820	6,594	1,311	289	598	665	342	82	620	--	157	152	179	345	9	37	136	167	--	--	35	--	25	--	--	--	--	--	--	--	--	--	--	--	--	--	
Emerging Markets	1,296	1,186	1,028	13	--	24	60	119	9	27	--	22	70	--	--	18	179	5	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
International	6,451	4,721	2,296	167	847	39	620	108	160	130	--	206	47	--	82	--	31	18	96	--	--	24	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
North America	204	72	--	38	64	--	--	--	--	516	--	--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Europe	--	1,050	30	67	38	--	--	--	58	--	161	--	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Global	1,508	1,012	1,102	197	457	62	15	--	310	7	10	--	63	--	--	--	4	--	--	61	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sector	5,830	4,766	206	1,761	1,202	149	112	--	135	--	--	--	294	487	127	--	5	--	--	187	107	--	155	--	--	11	--	--	--	--	--	--	7	6	--	--	1	
Agriculture	252	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Consumer staples	99	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Energy	704	223	--	90	46	--	--	--	--	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Financials	1,220	1,381	--	113	161	--	82	--	18	--	--	--	--	--	6	--	5	--	--	187	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Health care	278	357	--	966	173	--	--	--	20	--	--	--	--	--	348	--	23	--	--	--	50	--	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Industrials	--	57	--	--	173	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utilities & Infrastructure	173	1,288	--	--	25	--	24	--	--	--	--	--	294	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	--	
Materials	923	69	--	99	18	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Metals	87	116	--	52	--	--	--	--	--	--	--	--	--	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Multiple	--	--	--	265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Real estate	1,441	577	206	--	14	477	17	6	--	97	--	--	--	--	5	--	--	--	--	--	--	85	--	--	--	--	--	--	--	--	--	--	--	--	3	--	--	
Technology	653	652	--	160	302	132	--	--	--	--	--	--	--	--	82	--	100	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	1	
Commodities	526	--	--	498	--	--	--	--	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--	
Energy	526	--	--	420	--	--	--	--	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--
Metals	--	--	--	77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Multi-asset class	1,594	158	1,584	230	7	50	--	6	204	6	--	--	5	--	--	--	--	28	--	--	9	--	--	--	10	--	10	--	--	--	--	--	--	--	5	--	--	
Currency	--	--	--	81	--	--	--	--	166	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatility	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*Source: Strategic Insight

Number of ETFs by Provider by Asset Category																																						
Asset Category	BlackRock	BMO	Vanguard	Horizons	CI First Asset	Invesco	RBC	Mackenzie	Purpose	Franklin Templeton	PIMCO	WisdomTree	AGF	Harvest	Fidelity	Evolve	Desjardins	First Trust	Manulife	Hamilton Capital	Brompton	TD	Middlefield	CIBC	Lysander	National Bank	Bristol Gate	Arrow	IA Clarington	Auspice	Scotia	Starlight	Coin Capital	SmartBe	Galileo	First Block		
Management Code	BLK	BMO	VNG	HRZ	FAF	AIM	RBC	MFC	PFC	FLS	PMC	WDT	AGF	HPG	FID	EVL	DJD	FTP	MNL	HMC	BRM	TDM	MFD	CIB	LYS	NBC	BRI	ACM	IAC	AUS	BNS	STR	CCI	SMB	GAL	FBC		
Total	122	101	39	87	42	30	36	28	35	14	4	15	10	12	14	30	14	18	20	7	5	6	9	2	4	1	4	2	2	2	3	1	4	2	2	2	1	1
Fixed Income	31	30	9	12	8	9	13	12	7	4	4	3	1	--	--	3	5	3	--	--	--	3	2	2	1	--	--	--	1	3	--	1	--	--	--	--		
Investment grade	25	25	9	9	7	13	7	4	3	3	1	--	--	--	3	5	1	--	--	--	--	3	2	2	1	--	--	--	1									

CETFA Monthly Report (\$ millions)

as of April 30, 2019

AUM by Asset Category				
Asset Category	Current Month	Previous Month	Change	Dec 2018
Total	\$ 178,702	\$ 172,925	3.3%	\$ 156,788
Fixed income	51,533	50,341	2.4%	46,729
Investment grade	44,940	43,541	3.2%	40,098
Corporate	16,837	16,804	0.2%	15,794
Government	7,504	7,152	4.9%	6,507
Mix	20,598	19,585	5.2%	17,797
High yield	6,593	6,801	-3.1%	6,631
Corporate	3,196	3,496	-8.6%	3,579
Emerging markets	330	332	-0.3%	364
Mix	3,067	2,973	3.2%	2,688
Equity	121,981	117,627	3.7%	105,906
Canada	43,884	42,948	2.2%	39,617
US	35,239	33,029	6.7%	28,939
Emerging Markets	4,064	3,847	5.6%	3,239
International	16,045	15,536	3.3%	14,303
North America	897	864	3.7%	824
Europe	1,443	1,390	3.8%	1,199
Global	4,860	4,608	5.5%	4,069
Sector	15,550	15,403	0.9%	13,715
Agriculture	252	239	5.5%	222
Consumer staples	146	138	6.2%	124
Energy	1,085	1,090	-0.5%	1,155
Financials	3,192	3,062	4.3%	3,078
Health care	2,286	2,319	-1.4%	1,773
Industrials	57	56	1.7%	65
Utilities & Infrastructure	1,814	1,785	1.6%	1,571
Materials	1,119	1,174	-4.6%	1,238
Metals	260	267	-2.7%	227
Multiple	279	263	6.0%	207
Real estate	2,929	3,009	-2.6%	2,384
Technology	2,131	2,003	6.4%	1,671
Commodities	1,110	1,146	-3.2%	1,078
Energy	430	428	0.5%	400
Metals	680	719	-5.4%	677
Multi-asset class	3,817	3,577	6.7%	2,866
Currency	246	222	10.8%	200
Volatility	15	12	24.3%	10

*Source: Strategic Insight