

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

Top 25 ETFs by Net Creations - Current Month

ETF Name	Ticker	Management Code	Current Month	YTD 2019
1 BMO Core Plus Bond ETF	ZCPB	BMO	\$ 185	\$ 786
2 Horizons US 7-10 Year Treasury Bond ETF	HTB	HRZ	90	197
3 Dynamic IShares Active Global Dividend ETF	DXG	BLK	87	335
4 CI First Asset Morningstar Canada Momentum Index ETF	WXM	FAF	84	554
5 Vanguard Canadian Aggregate Bond Index ETF	VAB	VNG	83	918
6 BMO Low Volatility Canadian Equity ETF	ZLB	BMO	81	295
7 BMO Short Federal Bond Index ETF	ZFS	BMO	77	235
8 iShares S&P/TSX Capped Energy Index ETF	XEG	BLK	69	(174)
9 iShares Core Canadian Long Term Bond Index ETF	XLB	BLK	66	353
10 iShares Core S&P/TSX Capped Composite Index ETF	XIC	BLK	65	889
11 BMO S&P/TSX Capped Composite Index ETF	ZCN	BMO	64	883
12 Middlefield Health & Wellness ETF	HWF	MFD	59	59
13 CI First Asset Enhanced Government Bond ETF	FGO.U	FAF	59	477
14 iShares Canadian Universe Bond Index ETF	XBB	BLK	54	531
15 BMO Ultra Short-Term Bond ETF	ZST	BMO	53	840
16 Invesco Long Term Government Bond Index ETF	PGL	AIM	53	86
17 Desjardins Alt Long/Short Equity Market Neutral ETF	DANC	DJD	45	87
18 iShares S&P/TSX Capped Financials Index ETF	XFN	BLK	45	(108)
19 RBC Canadian Discount Bond ETF	RDCB	RBC	45	45
20 PIMCO Monthly Income (Canada) ETF	PMIF	PMC	44	950
21 Fidelity U.S. Low Volatility Index ETF	FCUL	FID	41	54
22 BMO Low Volatility U.S. Equity ETF	ZLU	BMO	40	111
23 iShares U.S. High Dividend Equity Index ETF	XHU	BLK	38	41
24 iShares Core S&P/TSX Composite High Dividend Index ETF	XEI	BLK	38	98
25 Vanguard Balanced ETF Portfolio	VBAL	VNG	37	650
Total			\$ 1,603	\$ 9,193

*Source: Strategic Insight

Top 25 ETFs by Net Redemptions - Current Month

ETF Name	Ticker	Management Code	Current Month	YTD 2019
1 iShares S&P/TSX 60 Index ETF	XIU	BLK	\$ (1,645)	\$ (2,673)
2 iShares S&P/TSX Global Gold Index ETF	XGD	BLK	(106)	(160)
3 iShares Canadian Corporate Bond Index ETF	XCB	BLK	(74)	(277)
4 Horizons US Dollar Currency ETF	DLR	HRZ	(65)	(13)
5 BMO Equal Weight Banks Index ETF	ZEB	BMO	(64)	183
6 Purpose Floating Rate Income Fund	FLOT	PFM	(52)	81
7 BMO Mid-Term U.S. IG Corporate Bond Index Hedged to CAD ETF	ZMB	BMO	(39)	333
8 BMO Long Federal Bond Index ETF	ZFL	BMO	(38)	296
9 iShares Canadian Select Dividend Index ETF	XDV	BLK	(37)	(117)
10 iShares Edge MSCI Min Vol US Index ETF	XMU	BLK	(33)	186
11 BetaPro Canadian Gold Miners 2x Daily Bull ETF	HGU	HRZ	(32)	(42)
12 Mackenzie Maximum Diversification Emerging Markets Index ETF	MEE	MFC	(28)	(15)
13 iShares J.P. Morgan USD Emerging Markets Bond Index ETF (CAD-Hedged)	XEB	BLK	(26)	22
14 Vanguard FTSE Developed Europe All Cap Index ETF	VE	VNG	(26)	(54)
15 iShares Canadian Fundamental Index ETF	CRQ	BLK	(23)	(84)
16 BMO Equal Weight US Banks Hedged to CAD Index ETF	ZUB	BMO	(21)	(74)
17 Dynamic iShares Active U.S. Dividend ETF	DXU	BLK	(21)	164
18 Mackenzie Maximum Diversification US Index ETF	MUS	MFC	(19)	64
19 BMO Europe High Dividend Covered Call Hedged to CAD ETF	ZWE	BMO	(18)	173
20 Invesco FTSE RAFI U.S. Index ETF	PXU.F	AIM	(17)	(51)
21 iShares Core MSCI Emerging Markets IMI Index ETF	XEC	BLK	(16)	277
22 Invesco Fundamental High Yield Corporate Bond Index ETF	PFH.F	AIM	(16)	(66)
23 iShares International Fundamental Index ETF	XIE	BLK	(15)	(95)
24 BMO Equal Weight US Banks Index ETF	ZBK	BMO	(15)	(170)
25 Mackenzie Maximum Diversification All World Developed ex North America Index ETF	MXU	MFC	(15)	14
Total			\$ (2,454)	\$ (1,756)

*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	\$ 8,396	4.6%
2 BMO S&P 500 Index ETF	ZSP	BMO	6,450	3.6%
3 iShares Core S&P/TSX Capped Composite Index ETF	XIC	BLK	5,202	2.9%
4 iShares Core S&P 500 Index ETF (CAD-Hedged)	XSP	BLK	4,692	2.6%
5 BMO Aggregate Bond Index ETF	ZAG	BMO	4,603	2.5%
6 BMO S&P/TSX Capped Composite Index ETF	ZCN	BMO	4,069	2.2%
7 iShares Canadian Universe Bond Index ETF	XBB	BLK	2,978	1.6%
8 iShares Core MSCI EAFE IMI Index ETF	XEF	BLK	2,635	1.5%
9 BMO MSCI EAFE Index ETF	ZEA	BMO	2,620	1.4%
10 Vanguard S&P 500 Index ETF	VUV	VNG	2,366	1.3%
11 Vanguard Canadian Aggregate Bond Index ETF	VAB	VNG	2,313	1.3%
12 iShares Canadian Short Term Bond Index ETF	XSB	BLK	2,117	1.2%
13 Horizons S&P/TSX 60 Index ETF	HXT	HRZ	2,021	1.1%
14 Vanguard FTSE Canada All Cap Index ETF	VCN	VNG	1,996	1.1%
15 BMO Laddered Preferred Share Index ETF	ZPR	BMO	1,961	1.1%
16 Vanguard U.S. Total Market Index ETF	VUN	VNG	1,939	1.1%
17 BMO Covered Call Canadian Banks ETF	ZWB	BMO	1,857	1.0%
18 iShares Core S&P 500 Index ETF	XUS	BLK	1,819	1.0%
19 BMO S&P 500 Hedged to CAD Index ETF	ZUE	BMO	1,708	0.9%
20 Purpose High Interest Savings ETF	PSA	PFM	1,703	0.9%
21 iShares Canadian Corporate Bond Index ETF	XCB	BLK	1,567	0.9%
22 BMO Low Volatility Canadian Equity ETF	ZLB	BMO	1,532	0.8%
23 iShares Core S&P U.S. Total Market Index ETF	XUU	BLK	1,472	0.8%
24 Horizons Active Preferred Share ETF	HPR	HRZ	1,414	0.8%
25 BMO U.S. Dividend ETF	ZDY	BMO	1,387	0.8%
Total			\$ 70,818	39.1%

*Source: Strategic Insight

Net Creations by ETF Provider

ETF Provider	Management Code	Current Month	Previous Month	Change	YTD 2019	% of Total
BMO Asset Management	BMO	\$ 511	\$ 781	-34.5%	\$ 3,866	35.1%
Vanguard Canada	VNG	379	672	-43.6%	2,883	26.2%
CI First Asset	FAF	164	438	-62.2%	1,438	13.0%
Fidelity	FID	108	2	-	406	3.7%
Horizons ETFs	HRZ	97	(75)	-	27	0.2%
Middlefield	MFD	71	-	-	225	2.0%
Desjardins Investments	DJD	52	6	803.7%	121	1.1%
PIMCO Canada	PMC	47	134	-64.7%	508	4.6%
Invesco ETFs	AIM	36	15	141.6%	(51)	-0.5%
RBC Global Asset Management	RBC	35	-	-	(973)	-8.8%
CIBC Asset Management	CIB	21	30	-28.2%	159	1.4%
Franklin LibertyShares	FLS	20	(145)	-	774	7.0%
TD Asset Management	TDM	17	32	-45.8%	97	0.5%
National Bank	NBC	14	27	-48.8%	55	0.9%
SmartBe Wealth	SMB	11	8	33.5%	24	0.2%
Harvest Portfolios	HPG	10	14	-30.7%	117	1.1%
IA Clarington	IAC	9	3	195.6%	17	0.2%
Purpose Investments	PFM	6	82	-92.2%	258	2.3%
Hamilton Capital	HMC	4	(13)	-	3	-
Bristol Gate Capital Partners	BRI	4	5	-24.7%	20	0.2%
Arrow Capital Management	ACM	4	(1)	-	14	0.1%
First Trust Portfolios Canada	FTP	2	(19)	-	(30)	-0.3%
Coin Capital	CCI	-	-	-	-	-
Accelerate Financial	ACL	-	3	-	3	-
Starlight Investments	STR	-	-	-	-	-
Galleo Funds	GAL	-	-	-	-	-
First Block Capital	FBC	-	-	-	-	-
Auspice Capital	AUS	-	-	-	(25)	-0.2%
Scotia Global Asset Management	BNS	-	-	-	-	-
Lysander Funds	LYS	-	-	-	5	-
Mackenzie	MFC	(1)	16	-	315	2.9%
Manulife Investment Management	MNL	(3)	3	-	(5)	-
AGFIQ	AGF	(4)	(1)	-	85	0.8%
Evolve Funds	EVL	(4)	11	-	84	0.8%
Brompton Funds	BRM	(5)	-	-	67	0.6%
WisdomTree	WDT	(8)	9	-	90	0.8%
BlackRock Canada	BLK	(1,366)	1,547	-	451	4.1%
Total		\$ 230	\$ 3,583		\$ 11,021	

*Source: Strategic Insight

AUM by ETF Provider

ETF Provider	Management Code	# of ETFs	Current Month	Previous Month	Change	Dec 2018
BlackRock Canada	BLK	122	\$ 62,745	\$ 63,038	-0.5%	\$ 57,052
BMO Asset Management	BMO	101	56,172	54,831	2.4%	48,644
Vanguard Canada	VNG	39	21,725	20,724	4.8%	16,970
Horizons ETFs	HRZ	90	10,341	10,121	2.2%	9,476
CI First Asset	FAF	43	6,348	6,041	5.1%	4,428
Invesco ETFs	AIM	30	4,126	4,040	2.1%	3,865
RBC Global Asset Management	RBC	37	3,915	3,743	1.9%	4,606
Purpose Investments	PFM	36	3,487	3,452	1.0%	3,065
Mackenzie	MFC	28	3,455	3,422	1.0%	2,949
Franklin LibertyShares	FLS	14	1,578	1,530	3.1%	723
PIMCO Canada	PMC	4	1,384	1,326	4.4%	837
WisdomTree	WDT	15	897	883	1.5%	719
AGFIQ	AGF	10	881	874	0.8%	714
Harvest Portfolios	HPG	12	687	646	6.4%	553
Fidelity	FID	15	631	502	25.8%	171
Desjardins Investments	DJD	18	480	426	12.6%	346
Evolve Funds	EVL	16	458	459	-0.4%	353
First Trust Portfolios Canada	FTP	20	352	341	3.3%	348
Manulife Investment Management	MNL	7	303	297	2.2%	282
Hamilton Capital	HMC	5	231	221	4.7%	206
Middlefield	MFD	4	229	154	48.4%	148
TD Asset Management	TDM	12	211	192	10.0%	140
Brompton Funds	BRM	6	205	201	2.4%	118
CIBC Asset Management	CIB	4	161	138	16.9%	-
Lysander Funds	LYS	1	98	99	-1.1%	98
National Bank	NBC	4	95	80	19.0%	-
Bristol Gate Capital Partners	BRI	2	49	44	12.1%	24
IA Clarington	IAC	3	30	21	43.4%	13
SmartBe Wealth	SMB	1	23	13	86.1%	-
Arrow Capital Management	ACM	2	21	17	24.2%	7
Auspice Capital	AUS	1	9	7	24.2%	21
Scotia Global Asset Management	BNS	4	8	8	-3.4%	7
Starlight Investments	STR	2	7	7	-0.7%	6
Galleo Funds	GAL	1	6	5	12.3%	5
Coin Capital	CCI	2	6	6	2.7%	5
Accelerate Financial	ACL	3	3	3	2.0%	-
First Block Capital	FBC	1	1	1	0.0%	-
Total		715	\$ 181,258	\$ 177,912	1.9%	\$ 156,788

*Source: Strategic Insight

Market Share by ETF Provider

ETF Provider	Management Code	Current Month	Previous Month	Change	Dec 2018
BlackRock Canada	BLK	34.6%	35.4%	-0.8%	36.4%
BMO Asset Management	BMO	31.0%	30.8%	0.2%	31.0%
Vanguard Canada	VNG	12.0%	11.6%	0.3%	10.8%
Horizons ETFs	HRZ	5.7%	5.7%	-	6.0%
CI First Asset	FAF	3.5%	3.4%	0.1%	2.8%
Invesco ETFs	AIM	2.3%	2.3%	-	2.5%
RBC Global Asset Management	RBC	2.1%	2.1%	-	2.9%
Purpose Investments	PFM	1.9%	1.9%	-	2.0%
Mackenzie	MFC	1.9%	1.9%	-	1.9%
Franklin LibertyShares	FLS	0.9%	0.9%	-	0.5%
PIMCO Canada	PMC	0.8%	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%	0.1%	0.1%
Desjardins Investments	DJD	0.3%	0.2%	-	0.2%
Evolve Funds	EVL	0.3%	0.3%	-	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%
Middlefield	MFD	0.1%	0.1%	-	-
TD Asset Management	TDM	0.1%	0.1%	-	0.1%
Brompton Funds	BRM	0.1%	0.1%	-	0.1%
CIBC Asset Management	CIB	0.1%	0.1%	-	0.1%
Lysander Funds	LYS	0.1%	0.1%	-	0.1%
National Bank	NBC	0.1%	-	-	-
Bristol Gate Capital Partners	BRI	-	-	-	-
IA Clarington	IAC	-	-	-	-
SmartBe Wealth	SMB	-	-	-	-
Arrow Capital Management	ACM	-	-	-	-
Auspice Capital	AUS	-	-	-	-
Scotia Global Asset Management	BNS	-	-	-	-
Starlight Investments	STR	-	-	-	-
Galleo Funds	GAL	-	-	-	-
Coin Capital	CCI	-	-	-	-
Accelerate Financial	ACL	-	-	-	-
First Block Capital	FBC	-	-	-	-

*Source: Strategic Insight

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as of June 30, 2019

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	\$ 281	0.2%
2 Franklin FTSE Canada All Cap Index ETF	FLCD	FLS	270	0.1%
3 Franklin FTSE Europe ex U.K. Index ETF	FLUR	FLS	129	0.1%
4 Fidelity U.S. High Quality Index ETF	FCUQ	FID	101	0.1%
5 Vanguard All-Equity ETF Portfolio	VEQT	VNG	101	0.1%
6 PIMCO Global Short Maturity Fund (Canada)	PMNT	PMC	95	0.1%
7 Desjardins All Long/Short Equity Market Neutral ETF	DANC	DJD	87	—
8 Middlefield REIT INDEXPLUS ETF	DR	MFD	85	—
9 CIBC Active Investment Grade Corporate Bond ETF	CACB	CIB	74	—
10 BMO NASDAQ 100 Equity Index ETF	ZNQ	BMO	73	—
11 Middlefield Healthcare & Life Sciences ETF	LS	MFD	69	—
12 BMO Ultra Short-Term US Bond ETF	ZUSJ	BMO	69	—
13 Middlefield Health & Wellness ETF	HWF	MFD	61	—
14 Vanguard Conservative Income ETF Portfolio	VCP	VNG	56	—
15 Fidelity U.S. Low Volatility Index ETF	FCUL	FID	54	—
16 Franklin FTSE Japan Index ETF	FLJA	FLS	47	—
17 RBC Canadian Discount Bond ETF	RDCB	RBC	45	—
18 BMO Tactical Dividend ETF Fund	ZZZD	BMO	41	—
19 NBI Active Canadian Preferred Shares ETF	NPRF	NBC	38	—
20 Horizons Equal Weight Canada REIT Index ETF	HCRE	HRZ	37	—
21 CIBC Multifactor U.S. Equity ETF	CMUE	CIB	36	—
22 NBI Global Real Assets Income ETF	NREA	NBC	36	—
23 CIBC Multifactor Canadian Equity ETF	CMCE	CIB	32	—
24 Brompton European Dividend Growth ETF	EDGF	BRM	29	—
25 Horizons Laddered Canadian Preferred Share Index ETF	HLPFR	HRZ	25	—
			\$ 1,972	1.1%

*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 Middlefield Health & Wellness ETF	HWF	MFD	\$ 59	25.7%
2 Desjardins All Long/Short Equity Market Neutral ETF	DANC	DJD	45	19.7%
3 RBC Canadian Discount Bond ETF	RDCB	RBC	45	19.6%
4 Fidelity U.S. Low Volatility Index ETF	FCUL	FID	41	17.7%
5 Vanguard All-Equity ETF Portfolio	VEQT	VNG	17	7.2%
6 Fidelity U.S. High Quality Index ETF	FCUQ	FID	13	5.6%
7 Middlefield American Core Dividend ETF	AGZ	MFD	13	5.5%
8 SmartBe Global Value Momentum Trend Index ETF	SBEA	SMB	11	4.7%
9 CI First Asset High Interest Savings ETF	CSAV	FAF	10	4.4%
10 Vanguard Conservative Income ETF Portfolio	VCP	VNG	10	4.3%
11 CIBC Active Investment Grade Corporate Bond ETF	CACB	CIB	9	4.1%
12 NBI Global Real Assets Income ETF	NREA	NBC	9	3.9%
13 BMO Balanced ETF	ZBAL	BMO	6	2.7%
14 CIBC Multifactor U.S. Equity ETF	CMUE	CIB	5	2.4%
15 CIBC Multifactor Canadian Equity ETF	CMCE	CIB	4	1.9%
16 NBI Active Canadian Preferred Shares ETF	NPRF	NBC	4	1.7%
17 BMO Growth ETF	ZGRO	BMO	3	1.4%
18 BMO Tactical Dividend ETF Fund	ZZZD	BMO	3	1.4%
19 BMO NASDAQ 100 Equity Index ETF	ZNQ	BMO	3	1.3%
20 Harvest Equal Weight Global Utilities Income ETF	HUTL	HPG	3	1.2%
21 Fidelity Sustainable World ETF	FCSW	FID	3	1.1%
22 Evolve Global Materials & Mining Enhanced Yield Index ETF	BASE	EVL	3	1.1%
23 CIBC Active Investment Grade Floating Rate Bond ETF	CAFR	CIB	2	0.9%
24 BMO Ultra Short-Term US Bond ETF	ZUSJ	BMO	2	0.7%
25 TD Global Technology Leaders Index ETF	TEC	TDM	1	0.6%
			\$ 323	140.7%

*Source: Strategic Insight

Net Creations by Asset Category

Asset Category	Current Month	Previous Month	Change	YTD 2019	% of Total
Total	\$ 230	\$ 3,353	-93.6%	\$ 11,021	100.0%
Fixed Income	942	1,596	-41.0%	6,142	55.7%
Investment grade	977	1,598	-38.9%	6,495	58.9%
Corporate	(14)	46	—	691	6.3%
Government	338	457	-26.1%	1,822	14.7%
Mix	663	1,095	-39.5%	4,182	37.9%
High yield	(35)	(3)	—	(353)	-3.2%
Corporate	(12)	(157)	—	(731)	-6.6%
Emerging markets	(26)	(1)	—	(77)	-0.6%
Mix	3	155	-97.9%	449	4.1%
Equity	(850)	1,751	—	3,817	34.6%
Canada	(1,322)	1,855	—	656	6.0%
US	174	34	414.2%	2,171	19.7%
Emerging Markets	(13)	(59)	—	(410)	-3.7%
International	16	(172)	—	(49)	-0.4%
North America	2	(8)	—	—	—
Europe	(7)	(55)	—	74	0.7%
Global	125	203	-38.4%	571	5.2%
Sector	175	(47)	—	(15)	-0.1%
Agriculture	—	(6)	—	(17)	-0.2%
Consumer staples	—	—	—	5	0.1%
Energy	72	(75)	—	(248)	-2.3%
Financials	13	(81)	—	(408)	-3.7%
Health care	99	24	316.5%	274	2.5%
Industrials	—	(8)	—	(24)	-0.2%
Utilities & Infrastructure	34	16	107.0%	83	0.8%
Materials	(113)	37	—	(211)	-1.9%
Metals	8	(16)	—	12	0.1%
Multiple	12	23	-45.8%	76	0.7%
Real estate	35	38	-9.4%	355	3.2%
Technology	16	(0)	—	85	0.8%
Commodities	45	(43)	—	(44)	-0.4%
Energy	9	(39)	—	(93)	-0.8%
Metals	36	(4)	—	49	0.4%
Multi-asset class	140	217	-35.5%	1,033	9.4%
Currency	(49)	65	—	62	0.6%
Volatility	1	(2)	—	11	0.1%
<i>of which inverse/leveraged</i>	<i>\$ 32</i>	<i>\$ (23)</i>	<i>—</i>	<i>(53)</i>	<i>-0.5%</i>

*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	30.1%	30.0%	—	29.8%
Investment grade	26.6%	26.5%	0.1%	25.6%
Corporate	9.4%	9.6%	-0.2%	10.1%
Government	4.7%	4.5%	0.1%	4.2%
Mix	12.5%	12.3%	0.2%	11.4%
High yield	3.5%	3.6%	-0.1%	4.2%
Corporate	1.5%	1.6%	-0.1%	2.3%
Emerging markets	0.2%	0.2%	—	0.2%
Mix	1.8%	1.8%	—	1.7%
Equity	66.8%	67.0%	-0.1%	67.5%
Canada	24.3%	25.3%	-0.9%	25.3%
US	19.2%	18.7%	0.5%	18.5%
Emerging Markets	2.1%	2.1%	—	2.1%
International	8.5%	8.5%	—	9.1%
North America	0.5%	0.5%	—	0.5%
Europe	0.7%	0.7%	—	0.8%
Global	2.9%	2.7%	0.2%	2.6%
Sector	8.6%	8.4%	0.2%	8.7%
Agriculture	0.1%	0.1%	—	0.1%
Consumer staples	0.1%	0.1%	—	0.1%
Energy	0.5%	0.5%	—	0.7%
Financials	1.6%	1.6%	—	2.0%
Health care	1.3%	1.2%	0.1%	1.1%
Industrials	—	—	—	—
Utilities & Infrastructure	1.0%	1.0%	—	1.0%
Materials	0.7%	0.7%	—	0.8%
Metals	0.1%	0.1%	—	0.1%
Multiple	0.2%	0.2%	—	0.1%
Real estate	1.7%	1.7%	—	1.5%
Technology	1.2%	1.1%	0.1%	1.1%
Commodities	0.6%	0.6%	—	0.7%
Energy	0.2%	0.2%	—	0.3%
Metals	0.4%	0.4%	—	0.4%
Multi-asset class	2.3%	2.2%	0.1%	1.8%
Currency	0.1%	0.2%	—	0.1%
Volatility	—	—	—	—
<i>of which inverse/leveraged</i>	<i>0.5%</i>	<i>0.5%</i>	<i>—</i>	<i>0.6%</i>

*Source: Strategic Insight

CETFA Monthly Report (\$ millions)

as of June 30, 2019

AUM of ETFs by Provider by Asset Category																																						
Asset Category	BlackRock	BMO	Vanguard	Horizons	CI First Asset	Invesco	RBC	Purpose	Mackenzie	Franklin Templeton	PIMCO	WisdomTree	AGF	Harvest	Fidelity	Desjardins	Evolve	FirstTrust	Manulife	Hamilton Capital	Middlefield	TD	Brompton	CIBC	Lysander	National Bank	Bristol Gate	IA Clarington	SmartBe	Arrow	Auspice	Scotia	Starlight	Gallieo	Coin Capital	Accelerate	First Block	
Management Code	BLK	BMO	VNG	HRZ	FAF	AIM	RBC	PFC	MFC	FLS	PMC	WDT	AGF	HPG	FID	DJD	EVL	FTP	MNL	HMC	MFD	TDM	BRM	CIB	LYS	NBC	BRI	IAC	SMB	ACM	AUS	BNS	STR	GAL	CCI	ACL	FBC	
Total	\$ 62,745	\$ 56,172	\$ 21,725	\$ 10,341	\$ 6,348	\$ 4,136	\$ 3,815	\$ 3,487	\$ 3,455	\$ 1,578	\$ 1,384	\$ 897	\$ 881	\$ 687	\$ 631	\$ 480	\$ 458	\$ 352	\$ 303	\$ 231	\$ 229	\$ 211	\$ 205	\$ 181	\$ 98	\$ 95	\$ 49	\$ 30	\$ 23	\$ 21	\$ 9	\$ 9	\$ 7	\$ 6	\$ 6	\$ 3	\$ 1	
Fixed income	15,755	19,039	5,315	2,439	1,785	1,691	1,388	2,016	2,233	559	1,384	325	167	--	--	80	64	98	--	--	53	--	205	93	--	--	--	30	--	9	--	2	--	--	--	--	--	
Investment grade	14,653	17,188	5,315	2,243	1,760	1,576	1,388	1,825	2,233	548	138	325	167	--	--	80	64	17	--	--	53	--	93	--	--	--	28	--	9	--	2	--	--	--	--	--	--	
Corporate	4,698	6,362	1,138	1,324	752	821	1,289	51	331	86	40	--	--	--	--	10	7	--	--	--	--	36	--	74	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Government	2,089	4,589	48	322	701	527	--	--	148	--	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mix	7,866	6,238	4,129	597	307	228	99	1,774	245	462	98	325	167	--	--	48	56	17	--	--	17	--	--	19	--	--	28	--	9	--	2	--	--	--	--	--	--	
High yield	1,192	1,850	--	198	26	116	--	--	191	1,510	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	
Corporate	644	1,595	--	170	--	116	--	--	64	37	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Emerging markets	78	232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mix	380	23	--	26	25	--	--	127	1,473	--	1,246	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Equity	44,851	36,966	14,599	7,121	4,555	2,378	2,427	992	1,217	1,912	--	572	708	687	631	400	394	226	303	231	229	159	189	68	98	75	49	--	--	--	--	6	7	--	6	3	1	
Canada	19,212	11,740	3,170	3,800	1,742	1,471	1,039	100	413	285	--	186	97	--	111	156	243	70	46	--	--	74	--	32	98	39	9	--	--	--	--	2	--	--	--	--	1	--
US	10,408	12,723	6,774	1,138	267	604	636	79	315	504	--	149	147	178	393	37	7	132	160	--	--	13	34	--	36	--	40	--	--	--	--	6	--	--	--	--	--	
Emerging Markets	1,182	1,158	1,009	13	--	24	57	6	60	26	--	37	68	--	--	173	20	4	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
International	6,202	4,650	2,279	151	735	45	568	156	93	58	--	200	47	--	114	30	--	15	90	--	--	38	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	
North America	195	73	--	38	61	--	509	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--
Europe	--	1,027	29	67	--	36	--	--	--	22	129	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Global	1,788	1,004	1,121	195	531	54	14	5	314	10	--	--	59	--	13	4	--	--	--	41	--	6	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sector	5,864	4,592	217	1,719	1,219	144	113	138	--	--	--	--	290	509	--	--	121	5	--	190	215	6	110	--	--	36	--	--	--	--	--	--	--	7	--	6	--	1
Agriculture	241	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Consumer staples	99	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Energy	630	188	--	67	46	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Financials	1,201	1,212	--	107	149	--	83	14	--	--	--	--	6	--	--	--	--	--	--	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Health care	296	351	--	877	177	--	18	--	--	--	--	--	--	369	--	--	--	--	--	--	--	130	--	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Industrials	--	49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Utilities & Infrastructure	188	1,334	--	--	25	--	25	--	--	--	--	--	290	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Materials	999	83	--	119	20	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals	76	120	--	69	--	--	--	--	--	--	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Multiple	--	--	--	275	--	--	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	36	--	--	--	--	--	--	--	--	--	--	
Real estate	1,471	585	217	37	510	17	6	106	--	--	--	--	5	--	--	--	--	--	--	--	--	85	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--	--
Technology	664	624	--	168	294	127	--	--	--	--	--	--	80	--	--	--	94	5	--	--	6	38	--	--	--	--	--	--	--	--	--	--	--	--	6	--	1	
Commodities	587	--	--	486	--	--	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9	--	--	6	--	--	
Energy	587	--	--	394	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9	--	--	--	--	--	
Metals	--	--	--	92	--	--	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	--	
Multi-asset class	1,552	168	1,811	210	7	57	208	4	6	6	--	--	5	--	--	--	--	--	--	28	--	--	--	16	--	20	--	--	23	12	--	--	--	--	--	--	--	
Currency	--	--	--	70	--	--	188	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatility	--	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*Source: Strategic Insight

Number of ETFs by Provider by Asset Category																																					
Asset Category	BlackRock	BMO	Vanguard	Horizons	CI First Asset	Invesco	RBC	Purpose	Mackenzie	Franklin Templeton	PIMCO	WisdomTree	AGF	Harvest	Fidelity	Desjardins	Evolve	FirstTrust	Manulife	Hamilton Capital	Middlefield	TD	Brompton	CIBC	Lysander	National Bank	Bristol Gate	IA Clarington	SmartBe	Arrow	Auspice	Scotia	Starlight	Gallieo	Coin Capital	Accelerate	First Block
Management Code	BLK	BMO	VNG	HRZ	FAF	AIM	RBC	PFC	MFC	FLS	PMC	WDT	AGF	HPG	FID	DJD	EVL	FTP	MNL	HMC	MFD	TDM	BRM	CIB	LYS	NBC	BRI	IAC	SMB	ACM	AUS	BNS	STR	GAL	CCI	ACL	FBC
Total	122	101	39	99	43	30	37	36	28	14	4	15	10	12	15	16	16	20	7	5	4	12	6	4	1	4	2	3	1	2	1	4	2	1	2	3	1
Fixed income	31	30	9	12	9	9	14	7	12	4	4	3	1	--	--	5	3	3	--	--	--	3	--	2	--	--	--	3	--	1	--	1	--	--	--	--	--
Investment grade	25	25	9	9	8	7	14	4	7	3	3	3	1	--	--	5	3	1	--	--	--	3	--	2	--	--	--	2	--	1	--	1	--	--	--	--</	

CETFA Monthly Report (\$ millions)

as of June 30, 2019

AUM by Asset Category				
Asset Category	Current Month	Previous Month	Change	Dec 2018
Total	\$ 181,258	\$ 177,912	1.9%	\$ 156,788
Fixed income	54,524	53,454	2.0%	46,729
Investment grade	48,193	47,079	2.4%	40,098
Corporate	17,017	17,026	-0.1%	15,794
Government	8,447	8,082	4.5%	6,507
Mix	22,729	21,972	3.4%	17,797
High yield	6,331	6,375	-0.7%	6,631
Corporate	2,719	2,785	-2.4%	3,579
Emerging markets	312	330	-5.5%	364
Mix	3,300	3,260	1.2%	2,688
Equity	121,162	119,114	1.7%	105,906
Canada	44,136	44,987	-1.9%	39,617
US	34,777	33,259	4.6%	28,939
Emerging Markets	3,845	3,787	1.5%	3,239
International	15,474	15,202	1.8%	14,303
North America	882	865	1.9%	824
Europe	1,338	1,325	1.0%	1,199
Global	5,209	4,829	7.9%	4,069
Sector	15,501	14,860	4.3%	13,715
Agriculture	241	227	6.1%	222
Consumer staples	146	146	-0.3%	124
Energy	951	876	8.5%	1,155
Financials	2,985	2,895	3.1%	3,078
Health care	2,292	2,144	6.9%	1,773
Industrials	49	48	2.7%	65
Utilities & Infrastructure	1,877	1,834	2.3%	1,571
Materials	1,231	1,185	3.9%	1,238
Metals	271	233	16.4%	227
Multiple	312	299	4.6%	207
Real estate	3,042	3,006	1.2%	2,384
Technology	2,105	1,968	7.0%	1,671
Commodities	1,171	1,085	7.9%	1,078
Energy	403	401	0.6%	400
Metals	767	684	12.2%	677
Multi-asset class	4,129	3,924	5.2%	2,866
Currency	258	318	-19.0%	200
Volatility	15	16	-7.0%	10

*Source: Strategic Insight