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## Equity index ETFs

Vanguard ETF®	Ticker symbol	Benchmark	No. holdings <sup>1</sup>	Mgmt fee <sup>2</sup>	MER <sup>3</sup>
<b>Canadian equity ETFs</b>					
FTSE Canada Index ETF	VCE	FTSE Canada Index	64	0.05%	0.06%
FTSE Canada All Cap Index ETF	VCN	FTSE Canada All Cap Index	214	0.05	0.06
FTSE Canadian High Dividend Yield Index ETF	VDY	FTSE Canada High Dividend Yield Index	63	0.20	0.22
FTSE Canadian Capped REIT Index ETF	VRE	FTSE Canada All Cap Real Estate Capped 25% Index	19	0.35	0.39
<b>U.S. equity ETFs</b>					
U.S. Total Market Index ETF	VUN	CRSP US Total Market Index	3,654	0.15	0.16
U.S. Total Market Index ETF (CAD-hedged)	VUS	CRSP US Total Market Index (CAD-hedged)	3,654	0.15	0.16
S&P 500 Index ETF	VFV	S&P 500 Index	509	0.08	0.08
S&P 500 Index ETF (CAD-hedged)	VSP	S&P 500 Index (CAD-Hedged)	509	0.08	0.08
U.S. Dividend Appreciation Index ETF	VGG	NASDAQ US Dividend Achievers Select Index	182	0.28	0.30
U.S. Dividend Appreciation Index ETF (CAD-hedged)	VGH	NASDAQ US Dividend Achievers Select Index (CAD-hedged)	182	0.28	0.30
<b>International equity ETFs</b>					
FTSE Developed All Cap ex North America Index ETF	VIU	FTSE Developed All Cap ex North America Index	3,675	0.20	0.23
FTSE Developed All Cap ex North America Index ETF (CAD-hedged)	VI	FTSE Developed All Cap ex North America Hedged to CAD Index	3,675	0.20	0.23
FTSE Developed All Cap ex U.S. Index ETF	VDU	FTSE Developed All Cap ex US Index	3,906	0.20	0.21
FTSE Developed All Cap ex U.S. Index ETF (CAD-hedged)	VEF	FTSE Developed All Cap ex US Hedged to CAD Index	3,906	0.20	0.22
FTSE Developed ex North America High Dividend Yield Index ETF	VIDY	FTSE Developed ex North America High Dividend Yield Index	—	0.28	—
FTSE Developed Europe All Cap Index ETF	VE	FTSE Developed Europe All Cap Index	1,308	0.20	0.22
FTSE Developed Europe All Cap Index ETF (CAD-hedged)	VEH	FTSE Developed Europe All Cap Hedged to CAD Index	1,308	0.20	0.23
FTSE Developed Asia Pacific All Cap Index ETF	VA	FTSE Developed Asia Pacific All Cap Index	2,279	0.20	0.22
FTSE Developed Asia Pacific All Cap Index ETF (CAD-hedged)	VAH	FTSE Developed Asia Pacific All Cap Hedged to CAD Index	2,279	0.20	0.23
FTSE Emerging Markets All Cap Index ETF	VEE	FTSE Emerging Markets All Cap China A Inclusion Index	4,658	0.23	0.24
<b>Global equity ETFs</b>					
FTSE Global All Cap ex Canada Index ETF	VXC	FTSE Global All Cap ex Canada China A Inclusion Index	10,269	0.25	0.27

## Fixed income index ETFs

Vanguard ETF	Ticker symbol	Benchmark	No. holdings <sup>1</sup>	Mgmt fee <sup>2</sup>	MER <sup>3</sup>
<b>Canadian fixed income ETFs</b>					
Canadian Aggregate Bond Index ETF	VAB	Bloomberg Barclays Global Aggregate Canadian Float Adjusted Bond Index	869	0.08%	0.13%
Canadian Government Bond Index ETF	VGX	Bloomberg Barclays Global Aggregate Canadian Government Float Adjusted Bond Index	262	0.25	0.28
Canadian Corporate Bond Index ETF	VCB	Bloomberg Barclays Global Aggregate Canadian Credit Float Adjusted Bond Index	459	0.23	0.26
Canadian Short-Term Bond Index ETF	VSB	Bloomberg Barclays Global Aggregate Canadian Gov/ Credit 1–5 year Float Adjusted Bond Index	376	0.10	0.11
Canadian Short-Term Government Bond Index ETF	VSG	Bloomberg Barclays Global Aggregate Canadian Government 1–5 Year Float Adjusted Bond Index	103	0.18	0.20
Canadian Short-Term Corporate Bond Index ETF	VSC	Bloomberg Barclays Global Aggregate Canadian Government 1–5 Year Float Adjusted Bond Index	267	0.10	0.11
Canadian Long-Term Bond Index ETF	VLB	Bloomberg Barclays Global Aggregate Canadian 10+ Year Float Adjusted Bond Index	226	0.17	0.19
<b>U.S. fixed income ETFs</b>					
U.S. Aggregate Bond Index ETF (CAD-hedged)	VBU	Bloomberg Barclays U.S. Aggregate Float Adjusted Bond Index (CAD Hedged)	8,557	0.20	0.22
<b>International fixed income ETFs</b>					
Global ex-U.S. Aggregate Bond Index ETF (CAD-hedged)	VBG	Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (CAD Hedged)	4,949	0.35	0.38

## Asset allocation ETFs

Vanguard ETF	Ticker symbol	Benchmark <sup>4</sup>	No. holdings <sup>5</sup>	Mgmt fee <sup>2</sup>	MER <sup>3</sup>
Conservative ETF Portfolio	VCNS	Internal Composite Benchmark	12,201	0.22%	—
Balanced ETF Portfolio	VBAL	Internal Composite Benchmark	12,201	0.22	—
Growth ETF Portfolio	VGRO	Internal Composite Benchmark	12,201	0.22	—

## Factor ETFs

Vanguard ETF	Ticker symbol	Investment universe <sup>5</sup>	No. holdings <sup>1</sup>	Mgmt fee <sup>2</sup>	MER <sup>3</sup>
Global Minimum Volatility ETF	VVO	FTSE Global All Cap Index	195	0.35%	0.42%
Global Value Factor ETF	VVL	FTSE Developed All Cap Index, Russell 3000 Index	1,128	0.35	0.40
Global Momentum Factor ETF	VMO	FTSE Developed All Cap Index, Russell 3000 Index	1,093	0.35	0.40
Global Liquidity Factor ETF	VLQ	FTSE Developed All Cap Index, Russell 3000 Index	1,369	0.35	0.40

## Mutual funds

Vanguard mutual fund	Fund code	Benchmark <sup>7</sup>	No. holdings <sup>2</sup>	Mgmt fee <sup>2</sup>	MER <sup>3</sup>
<b>U.S. focus</b>					
Windsor U.S. Value Fund	VIC300	Russell 1000 Value Index	—	0.50%	—
<b>International focus</b>					
International Growth Fund	VIC400	MSCI ACWI ex USA Index	—	0.50	—
<b>Global focus</b>					
Global Dividend Fund	VIC200	FTSE Developed Index	—	0.50	—
Global Balanced Fund	VIC100	Global Balanced Composite Index <sup>8</sup>	—	0.50	—

1 Data as of June 30, 2018. The number of holdings shown is unaudited and should not be relied upon as investment advice. For any Vanguard Canada fund that invests in one or more underlying funds, the number of holdings displayed represents that of the underlying fund(s).

2 The management fee is equal to the fee paid by the Vanguard fund to Vanguard Investments Canada Inc. and does not include applicable taxes or other fees and expenses of the Vanguard fund. For any Vanguard fund which invests in underlying Vanguard fund(s), there shall be no duplication of management fees chargeable in connection with the Vanguard fund and its investment in the Vanguard fund(s). As of February 13, 2018, the management fee for VAB was reduced from 0.12% to 0.08%. For the actively managed mutual funds, the figure listed represents the maximum fee the fund would charge.

3 The management expense ratio (MER) is the audited MER, including waivers and absorptions, and is expressed as an annualized percentage of the daily average net asset value. For the index ETFs, MERs are as of December 31, 2017, and for the factor ETFs, MERs are as of March 31, 2018. The MER without any absorptions or waivers would have been 0.06% for VCE, 0.06% for VCN, 0.22% for VDY, 0.39% for VRE, 0.16% for VUN, 0.16% for VUS, 0.08% for VFV, 0.09% for VSP, 0.30% for VGG, 0.30% for VGH, 0.23% for VIU, 0.23% for VI, 0.21% for VDU, 0.22% for VEF, 0.22% for VE, 0.25% for VEH, 0.23% for VA, 0.26% for VAH, 0.24% for VEE, 0.27% for VXC, 0.13% for VAB, 0.35% for VGV, 0.28% for VCB, 0.11% for VSB, 0.25% for VSG, 0.11% for VSC, 0.23% for VLB, 0.22% for VBU, 0.39% for VBG, 0.43% for VVO, and 0.41% for VVL, VMO and VLQ. Vanguard Investments Canada Inc. expects to continue absorbing or waiving certain fees indefinitely but may, in its discretion, discontinue this practice at any time. The inception date for VCNS, VBAL and VGRO was January 25, 2018; MER information is not available. The inception date for Vanguard Global Balanced Fund (VIC 100), Vanguard Global Dividend Fund (VIC 200), Vanguard Windsor U.S. Value Fund (VIC 300) and Vanguard International Growth Fund (VIC 400) was June 20, 2018; number of holdings and MER information is not available. The inception date for Vanguard FTSE Developed ex North America High Dividend Yield Index ETF (VIDY) was August 21, 2018; number of holdings and MER information are not available.

4 The fund is not managed relative to the composition of any widely recognized index. It uses an internally derived benchmark for reference purposes only.

5 The number of holdings represents the equity holdings.

6 The factor ETFs are actively managed and do not seek to track the performance of a benchmark. Benchmark data is used for reference only.

7 These funds are actively managed and do not seek to track a benchmark.

8 A blended benchmark consisting of 65% FTSE Developed Index, 28% Bloomberg Barclays Global Aggregate Credit Index (CAD-Hedged), 3.5% Bloomberg Barclays Global Aggregate Treasury Index (CAD-Hedged) and 3.5% Bloomberg Barclays Global Aggregate Securitized Index (CAD-Hedged).

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