

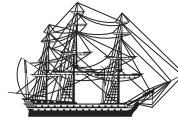
Vanguard Canada ETFs

ETF	Ticker	Benchmark	No. holdings ¹	Mgmt fee ²	MER ³
Equity index ETFs					
Vanguard FTSE Canada Index ETF	VCE	FTSE Canada Index	66	0.05%	0.05%
Vanguard FTSE Canada All Cap Index ETF	VCN	FTSE Canada All Cap Index	214	0.05%	0.06%
Vanguard FTSE Canadian High Dividend Yield Index ETF	VDY	FTSE Canada High Dividend Yield Index	58	0.20%	0.22%
Vanguard FTSE Canadian Capped REIT Index ETF	VRE	FTSE Canada All Cap Real Estate Capped 25% Index	18	0.35%	0.38%
Vanguard U.S. Total Market Index ETF	VUN	CRSP US Total Market Index	3,638	0.15%	0.16%
Vanguard U.S. Total Market Index ETF (CAD-hedged)	VUS	CRSP US Total Market Index (CAD-hedged)	3,638	0.15%	0.16%
Vanguard S&P 500 Index ETF	VFV	S&P 500 Index	506	0.08%	0.08%
Vanguard S&P 500 Index ETF (CAD-hedged)	VSP	S&P 500 Index (CAD-Hedged)	506	0.08%	0.08%
Vanguard U.S. Dividend Appreciation Index ETF	VGG	NASDAQ US Dividend Achievers Select Index	178	0.28%	0.30%
Vanguard U.S. Dividend Appreciation Index ETF (CAD-hedged)	VGH	NASDAQ US Dividend Achievers Select Index (CAD-hedged)	178	0.28%	0.30%
Vanguard FTSE Global All Cap ex Canada Index ETF	VXC	FTSE Global All Cap ex Canada China A Inclusion Index	10,284	0.25%	0.27%
Vanguard FTSE Developed All Cap ex North America Index ETF	VIU	FTSE Developed All Cap ex North America Index	3,439	0.20%	0.23%
Vanguard FTSE Developed All Cap ex North America Index ETF (CAD-hedged)	VI	FTSE Developed All Cap ex North America Hedged to CAD Index	3,439	0.20%	0.23%
Vanguard FTSE Developed All Cap ex U.S. Index ETF	VDU	FTSE Developed All Cap ex US Index	3,844	0.20%	0.21%
Vanguard FTSE Developed All Cap ex U.S. Index ETF (CAD-hedged)	VEF	FTSE Developed All Cap ex US Hedged to CAD Index	3,844	0.20%	0.21%
Vanguard FTSE Developed Europe All Cap Index ETF	VE	FTSE Developed Europe All Cap Index	1,283	0.20%	0.22%
Vanguard FTSE Developed Europe All Cap Index ETF (CAD-hedged)	VEH	FTSE Developed Europe All Cap Hedged to CAD Index	1,283	0.20%	0.22%
Vanguard FTSE Developed Asia Pacific All Cap Index ETF	VA	FTSE Developed Asia Pacific All Cap Index	2,237	0.20%	0.22%
Vanguard FTSE Developed Asia Pacific All Cap Index ETF (CAD-hedged)	VAH	FTSE Developed Asia Pacific All Cap Hedged to CAD Index	2,237	0.20%	0.23%
Vanguard FTSE Emerging Markets All Cap Index ETF	VEE	FTSE Emerging Markets All Cap China A Inclusion Index	4,734	0.23%	0.24%

ETF	Ticker	Benchmark ⁸	No. holdings ⁴	Mgmt fee ²	MER ⁴
Asset allocation ETFs					
Vanguard Conservative Portfolio ⁴	VCNS	Internal Composite Benchmark	—	0.22%	—
Vanguard Balanced ETF Portfolio ⁴	VBAL	Internal Composite Benchmark	—	0.22%	—
Vanguard Growth ETF Portfolio ⁴	VGRO	Internal Composite Benchmark	—	0.22%	—

ETF	Ticker	Benchmark	No. holdings ¹	Mgmt fee ²	MER ³
Fixed income index ETFs					
Vanguard Canadian Aggregate Bond Index ETF	VAB	Bloomberg Barclays Global Aggregate Canadian Float Adjusted Bond Index	821	0.12%	0.13%
Vanguard Canadian Government Bond Index ETF ⁵	VGW	Bloomberg Barclays Global Aggregate Canadian Government Float Adjusted Bond Index	222	0.25%	—
Vanguard Canadian Corporate Bond Index ETF ⁵	VCB	Bloomberg Barclays Global Aggregate Canadian Credit Float Adjusted Bond Index	413	0.23%	—
Vanguard Canadian Short-Term Bond Index ETF	VSB	Bloomberg Barclays Global Aggregate Canadian Gov/Credit 1-5 Year Float Adjusted Bond Index	363	0.10%	0.11%
Vanguard Canadian Short-Term Government Bond Index ETF ⁵	VSG	Bloomberg Barclays Global Aggregate Canadian Government 1-5 Year Float Adjusted Bond Index	110	0.18%	—
Vanguard Canadian Short-Term Corporate Bond Index ETF	VSC	Bloomberg Barclays Global Aggregate Canadian Credit 1-5 Year Float Adjusted Bond Index	256	0.10%	0.11%
Vanguard Canadian Long-Term Bond Index ETF ⁵	VLB	Bloomberg Barclays Global Aggregate Canadian 10+ Year Float Adjusted Bond Index	188	0.17%	—
Vanguard U.S. Aggregate Bond Index ETF (CAD-hedged)	VBU	Bloomberg Barclays U.S. Aggregate Float Adjusted Bond Index (CAD Hedged)	8,345	0.20%	0.22%
Vanguard Global ex-U.S. Aggregate Bond Index ETF (CAD-hedged)	VBG	Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (CAD Hedged)	4,661	0.35%	0.37%

ETF	Ticker	Investment universe ⁶	No. holdings ¹	Mgmt fee	MER ⁷
Active equity ETFs					
Vanguard Global Minimum Volatility ETF	VVO	FTSE Global All Cap Index	156	0.35%	0.40%
Vanguard Global Value Factor ETF	VVL	FTSE Developed All Cap Index Russell 3000 Index	1,189	0.35%	0.40%
Vanguard Global Momentum Factor ETF	VMO	FTSE Developed All Cap Index Russell 3000 Index	1,002	0.35%	0.40%
Vanguard Global Liquidity Factor ETF	VLQ	FTSE Developed All Cap Index Russell 3000 Index	1,378	0.35%	0.40%



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- 1 Data as of December 31, 2017. The number of holdings shown is unaudited and should not be relied upon as investment advice. For any Vanguard Canada ETF that invests in one or more underlying ETF(s), the number of holdings displayed represents that of the underlying ETF(s).
- 2 The management fee is equal to the fee paid by the Vanguard ETF to Vanguard Investments Canada Inc. and does not include applicable taxes or other fees and expenses of the Vanguard ETF. For any Vanguard ETF which invests in underlying Vanguard fund(s), there shall be no duplication of management fees chargeable in connection with the Vanguard ETF and its investment in the Vanguard fund(s).
- 3 The management expense ratio (MER) is the MER as of December 31, 2016, including waivers and absorptions and is expressed as an annualized percentage of the daily average net asset value. The MER without any absorptions or waivers would have been 0.05% for VCE, 0.06% for VCN, 0.22% for VDY, 0.38% for VRE, 0.16% for VUN, 0.16% for VUS, 0.08% for VFV, 0.08% for VSP, 0.30% for VGG, 0.30% for VGH, 0.27% for VXC, 0.23% for VIU, 0.24% for VI, 0.21% for VDU, 0.21% for VEF, 0.23% for VE, 0.50% for VEH, 0.24% for VA, 0.46% for VAH, 0.24% for VEE, 0.13% for VAB, 0.11% for VSB, 0.11% for VSC, 0.22% for VBU, and 0.38% for VBG. Vanguard Investments Canada Inc. expects to continue absorbing or waiving certain fees indefinitely but may, in its discretion, discontinue this practice at any time.
- 4 The inception date for VCNS, VBAL and VGRO was January 25, 2018; Number of holdings and MER information are not available.
- 5 The inception date for VGV, VCB, VSG and VLB was January 31, 2017; MER information is not available.
- 6 The active equity ETFs are actively managed and do not seek to track the performance of a benchmark. Benchmark data is used for reference only.
- 7 The management expense ratio (MER) is the audited MER as of March 31, 2017, including waivers and absorptions and is expressed as an annualized percentage of the daily average net asset value. The MER without any absorptions or waivers would have been 0.42% for VVO, 0.42% for VVL, 0.42% for VMO and 0.42% for 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.
- 8 The fund is not managed relative to the composition of any widely recognized index. It uses an internally derived benchmark for reference purposes only.

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