

# Model ETF Portfolios: Vanguard

50% bonds

50% equities

40% bonds

60% equities

60% bonds

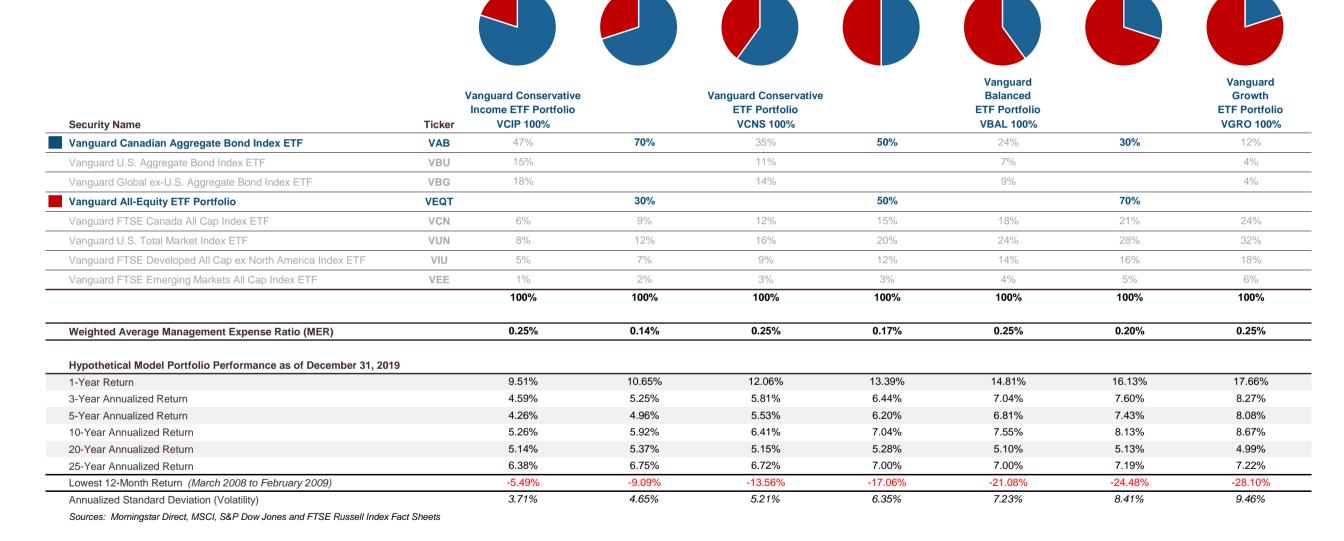
40% equities

30% bonds

70% equities

20% bonds

80% equities



70% bonds

30% equities

80% bonds

20% equities

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NOTE: ETFs printed in grey type are the underlying holdings of VCIP, VCNS, VBAL, VGRO and VEQT. They are presented here for information purposes only. Allocations are rounded for simplicity.



# **Model Portfolio Return Methodology**

as of December 31, 2019

The performance data in the table above is a blend of actual fund returns and index returns.

The Vanguard asset allocation ETFs in the model portfolios were launched in 2018 and 2019. We used actual fund returns beginning in the first full month after each fund's inception. For earlier periods we used the returns of the fund's benchmark indexes, or closely related indexes, and subtracted the current management expense ratio of the asset allocation ETF (0.24% annually). This is an imperfect but reasonable proxy for how index funds would have performed.

All portfolios were assumed to be rebalanced monthly, since the asset allocation ETFs will likely stay close to their target mix of stocks and bonds at all times.

Past performance does not guarantee future results. The historical performance of indexes is illustrative only and will not necessarily mirror the future performance of any fund tracking that benchmark.

#### **Canadian Stocks**

MSCI Canada IMI Index, minus 0.24% annually: January 1995-January 2019

#### **Global Stocks (excluding Canada)**

MSCI ACWI ex Canada IMI Index (net div.) in Canadian dollars, minus 0.24% annually: January 1995-January 2019

#### **Canadian Bonds**

FTSE Canada Universe Bond Index, minus 0.24% annually: January 1995-December 2019

#### **Global Bonds**

FTSE Canada Universe Bond Index, minus 0.24% annually: January 1995–December 1996 ICE BofA Merrill Lynch Global Broad Market Index (CAD Hedged), minus 0.24% annually: January 1997–January 2019

#### Vanguard Canadian Aggregate Bond Index ETF (VAB)

Actual fund returns: February 2018-present

FTSE Canada Universe Bond Index, minus 0.09% annually: January 1995-January 2018

# Vanguard Conservative Income ETF Portfolio (VCIP)

Actual fund returns: February 2019-present

47% Canadian Bonds + 33% Global Bonds + 6% Canadian Stocks + 14% Global Stocks (excluding

Canada): January 1995–January 2019

## Vanguard Conservative ETF Portfolio (VCNS)

Actual fund returns: February 2018-present

35.3% Canadian Bonds + 24.7% Global Bonds + 12% Canadian Stocks + 28% Global Stocks (excluding

Canada): January 1995–January 2018

## **Vanguard Growth ETF Portfolio (VBAL)**

Actual fund returns: February 2018-present

23.5% Canadian Bonds + 16.5% Global Bonds + 18% Canadian Stocks + 42% Global Stocks (excluding

Canada): January 1995–January 2018

#### Vanguard Growth ETF Portfolio (VGRO)

Actual fund returns: February 2018-present

11.8% Canadian Bonds + 8.2% Global Bonds + 24% Canadian Stocks + 56% Global Stocks (excluding

Canada): January 1995-January 2018

#### Vanguard All-Equity ETF Portfolio (VEQT)

Actual fund returns: February 2019-present

30% Canadian Stocks + 70% Global Stocks (excluding Canada): January 1995-January 2019