

RRSP & RRIF Accounts

Security Name	Symbol	100% bonds	80% bonds 20% stocks	70% bonds 30% stocks	60% bonds 40% stocks	50% bonds 50% stocks	40% bonds 60% stocks	30% bonds 70% stocks	20% bonds 80% stocks	100% stocks
BMO Aggregate Bond Index ETF	ZAG	100.0%	80.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	0.0%
Vanguard FTSE Canada All Cap Index ETF	VCN	0.0%	7.0%	10.0%	13.0%	17.0%	20.0%	23.0%	27.0%	33.0%
iShares Core MSCI All Country World ex Canada Index ETF	XAW	0.0%	13.0%	20.0%	27.0%	33.0%	40.0%	47.0%	53.0%	67.0%
iShares Core S&P Total U.S. Stock Market ETF*	ITOT	0.0%	7.4%	11.4%	15.4%	18.8%	22.8%	26.8%	30.2%	38.2%
iShares Core MSCI EAFE ETF*	IEFA	0.0%	4.1%	6.3%	8.5%	10.4%	12.6%	14.9%	16.7%	21.2%
iShares Core MSCI Emerging Markets ETF*	IEMG	0.0%	1.5%	2.3%	3.1%	3.7%	4.5%	5.3%	6.0%	7.6%
<i>*US-listed ETFs</i>		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Management Expense Ratio (MER)		0.09%	0.10%	0.11%	0.12%	0.13%	0.14%	0.14%	0.15%	0.17%

Model ETF Portfolio Performance as of November 30, 2018

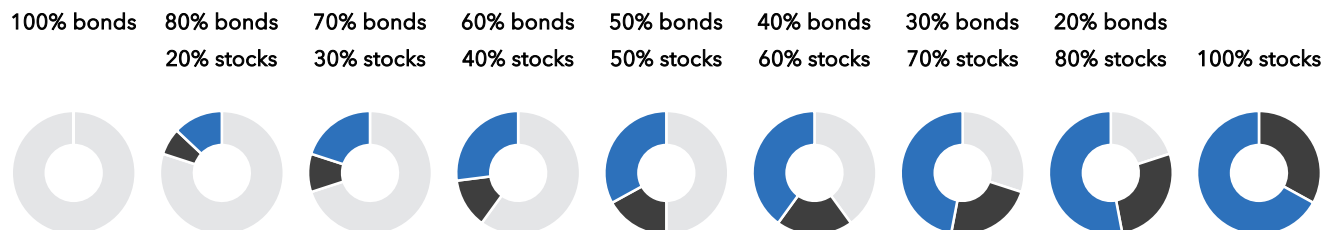
YTD Return	-0.12%	0.05%	0.16%	0.28%	0.33%	0.44%	0.56%	0.60%	0.84%
1-Year Return	-0.54%	-0.39%	-0.29%	-0.19%	-0.14%	-0.04%	0.06%	0.11%	0.31%
3-Year Annualized Return	1.61%	2.96%	3.63%	4.31%	4.97%	5.64%	6.31%	6.97%	8.29%
5-Year Annualized Return	2.95%	4.27%	4.95%	5.63%	6.25%	6.93%	7.60%	8.21%	9.54%
10-Year Annualized Return	4.03%	5.47%	6.19%	6.90%	7.56%	8.24%	8.91%	9.53%	10.81%
20-Year Annualized Return	4.86%	5.24%	5.38%	5.49%	5.60%	5.66%	5.69%	5.71%	5.61%
Lowest 1-Year Return	-3.13%	-4.00%	-7.92%	-11.82%	-15.76%	-19.61%	-23.44%	-27.31%	-34.85%
20-Year Annualized Standard Deviation	3.60%	3.77%	4.35%	5.15%	6.08%	7.09%	8.17%	9.30%	11.65%

Sources: Morningstar Direct, MSCI. S&P Dow Jones and FTSE Russell Indices courtesy of Dimensional Returns 2.0

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Model ETF Portfolios as of November 30, 2018

TFSA, RESP and RDSP Accounts



Security Name	Symbol	100% bonds	80% bonds 20% stocks	70% bonds 30% stocks	60% bonds 40% stocks	50% bonds 50% stocks	40% bonds 60% stocks	30% bonds 70% stocks	20% bonds 80% stocks	100% stocks
BMO Aggregate Bond Index ETF	ZAG	100.0%	80.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	0.0%
Vanguard FTSE Canada All Cap Index ETF	VCN	0.0%	7.0%	10.0%	13.0%	17.0%	20.0%	23.0%	27.0%	33.0%
iShares Core MSCI All Country World ex Canada Index ETF	XAW	0.0%	13.0%	20.0%	27.0%	33.0%	40.0%	47.0%	53.0%	67.0%
iShares Core S&P U.S. Total Market Index ETF	XUU	0.0%	7.4%	11.4%	15.4%	18.8%	22.8%	26.8%	30.2%	38.2%
iShares Core MSCI EAFE IMI Index ETF	XEF	0.0%	4.1%	6.3%	8.5%	10.4%	12.6%	14.9%	16.7%	21.2%
iShares Core MSCI Emerging Markets IMI Index ETF	XEC	0.0%	1.5%	2.3%	3.1%	3.7%	4.5%	5.3%	6.0%	7.6%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Management Expense Ratio (MER)		0.09%	0.10%	0.11%	0.12%	0.13%	0.14%	0.14%	0.15%	0.17%

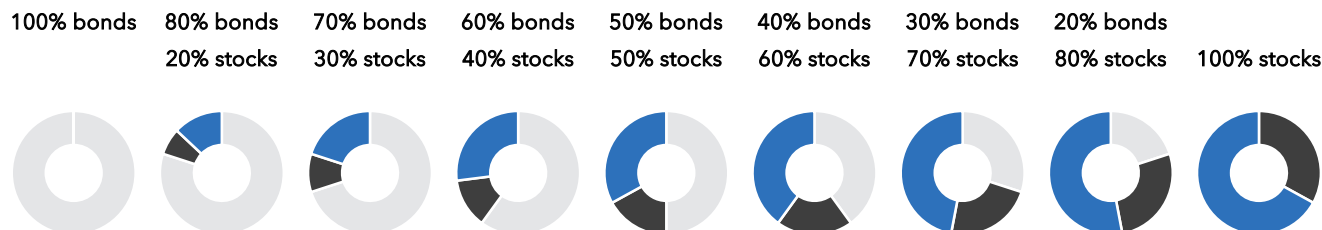
Model ETF Portfolio Performance as of November 30, 2018

YTD Return	-0.12%	0.05%	0.16%	0.28%	0.33%	0.44%	0.56%	0.60%	0.84%
1-Year Return	-0.54%	-0.39%	-0.29%	-0.19%	-0.14%	-0.04%	0.06%	0.11%	0.31%
3-Year Annualized Return	1.61%	2.96%	3.63%	4.31%	4.97%	5.64%	6.31%	6.97%	8.29%
5-Year Annualized Return	2.95%	4.27%	4.95%	5.63%	6.25%	6.93%	7.60%	8.21%	9.54%
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Sources: Morningstar Direct, MSCI. S&P Dow Jones and FTSE Russell Indices courtesy of Dimensional Returns 2.0

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Model ETF Portfolios as of November 30, 2018



Taxable Accounts

Security Name	Symbol	100% bonds	80% bonds 20% stocks	70% bonds 30% stocks	60% bonds 40% stocks	50% bonds 50% stocks	40% bonds 60% stocks	30% bonds 70% stocks	20% bonds 80% stocks	100% stocks
BMO Discount Bond Index ETF	ZDB	100.0%	80.0%	70.0%	60.0%	50.0%	40.0%	30.0%	20.0%	0.0%
Vanguard FTSE Canada All Cap Index ETF	VCN	0.0%	7.0%	10.0%	13.0%	17.0%	20.0%	23.0%	27.0%	33.0%
iShares Core MSCI All Country World ex Canada Index ETF	XAW	0.0%	13.0%	20.0%	27.0%	33.0%	40.0%	47.0%	53.0%	67.0%
iShares Core S&P U.S. Total Market Index ETF	XUU	0.0%	7.4%	11.4%	15.4%	18.8%	22.8%	26.8%	30.2%	38.2%
iShares Core MSCI EAFE IMI Index ETF	XEF	0.0%	4.1%	6.3%	8.5%	10.4%	12.6%	14.9%	16.7%	21.2%
iShares Core MSCI Emerging Markets IMI Index ETF	XEC	0.0%	1.5%	2.3%	3.1%	3.7%	4.5%	5.3%	6.0%	7.6%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Management Expense Ratio (MER)		0.09%	0.10%	0.11%	0.12%	0.13%	0.14%	0.14%	0.15%	0.17%

Model ETF Portfolio Performance as of November 30, 2018

YTD Return	-0.11%	0.05%	0.17%	0.28%	0.33%	0.44%	0.56%	0.61%	0.84%
1-Year Return	-0.64%	-0.47%	-0.36%	-0.25%	-0.19%	-0.08%	0.03%	0.09%	0.31%
3-Year Annualized Return	1.37%	2.77%	3.47%	4.17%	4.85%	5.55%	6.24%	6.92%	8.29%
5-Year Annualized Return	2.88%	4.22%	4.91%	5.59%	6.22%	6.90%	7.58%	8.20%	9.54%
10-Year Annualized Return	4.12%	5.54%	6.26%	6.95%	7.60%	8.28%	8.94%	9.55%	10.81%
20-Year Annualized Return	4.90%	5.28%	5.41%	5.52%	5.63%	5.68%	5.70%	5.72%	5.61%
Lowest 1-Year Return	-3.58%	-4.00%	-7.92%	-11.82%	-15.76%	-19.61%	-23.44%	-27.31%	-34.85%
20-Year Annualized Standard Deviation	3.62%	3.78%	4.36%	5.15%	6.08%	7.09%	8.17%	9.29%	11.65%

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BMO Aggregate Bond Index ETF (ZAG)

01/1998-01/2010: Monthly returns of the FTSE Canada Universe Bond Index, minus 0.0075% per month

02/2010-11/2018: Monthly returns of the BMO Aggregate Bond Index ETF (ZAG)

BMO Discount Bond Index ETF (ZDB)

01/1998-02/2014: Monthly returns of the FTSE Canada Universe Bond Index, minus 0.0075% per month

03/2014-11/2018: Monthly returns of the BMO Discount Bond Index ETF (ZDB)

Vanguard FTSE Canada All Cap Index ETF (VCN)

01/1998-08/2013: Monthly returns of the S&P/TSX Composite Index, minus 0.005% per month

09/2013-11/2018: Monthly returns of the Vanguard FTSE Canada All Cap Index ETF (VCN)

iShares Core MSCI All Country World ex Canada Index ETF (XAW)

01/1998-02/2015: Monthly returns of the MSCI ACWI ex Canada IMI Index (net div.) (in CAD), minus 0.018333% per month

03/2015-11/2018: Monthly returns of the iShares Core MSCI All Country World ex Canada Index ETF (XAW)

Portfolios are rebalanced annually at the end of each calendar year.

Sources: Morningstar Direct, MSCI. S&P Dow Jones and FTSE Russell Indices courtesy of Dimensional Returns 2.0

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