



MACKENZIE
Investments

CONFIDENCE
IN A CHANGING WORLD

Quick Reference Guide 2018



Your quick reference guide

The Quick Reference Guide is assembled to provide the information you need to work with your clients every day.

The materials are compiled from a selection of Mackenzie Investments sales booklets (available online) to give you consolidated information, including performance charts, RRSPs and RESPs, and tax and estate planning.

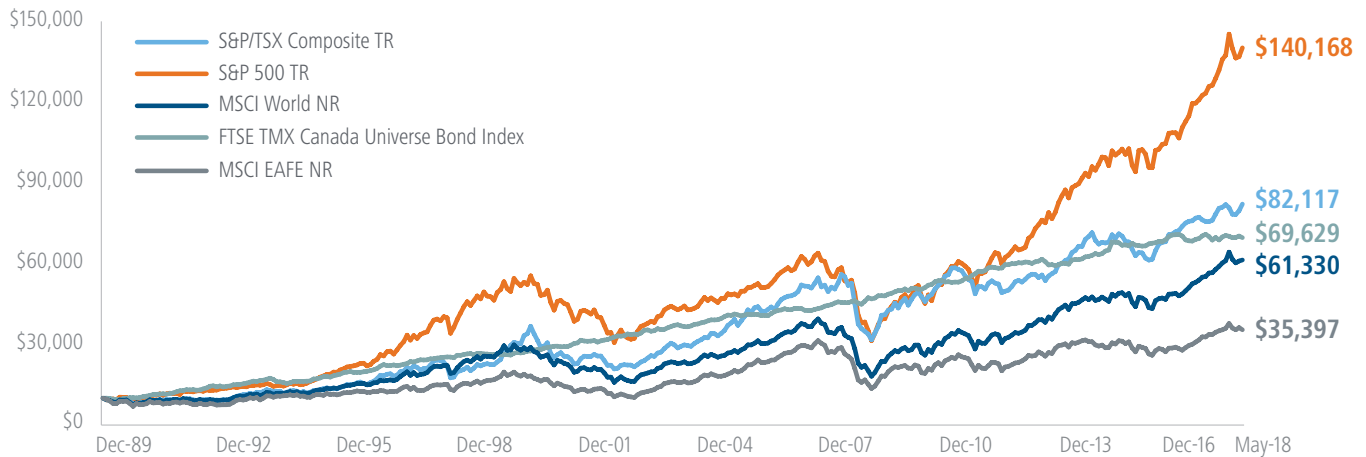
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Market and economic charts

The importance of diversification is no great secret. The chart and table on this page illustrate how different markets and asset classes perform. Asset classes do not always move in tandem; stock prices may be up when bond prices are down and vice versa.

Growth of a \$10,000 Investment on January 1st, 1990



Source: Morningstar Direct, May 31, 2018.

Annual Rankings of Key Asset Classes (2007–2017)

RANK	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	MSCI EM GR CAD 18.55%	JPM GBI Broad TR USD 10.36%	BMO Small Cap Equity (Weighted) CAD 84.22%	BMO Small Cap Equity (Weighted) CAD 40.53%	FTSE TMX Canada Universe Bond 9.67%	Russell 2000 TR USD 16.35%	Russell 2000 TR USD 38.82%	MSCI World GR CAD 15.01%	MSCI World GR CAD 19.55%	BMO Small Cap Equity (Weighted) CAD 36.39%	MSCI EM GR CAD 28.70%
2	JPM GBI Broad TR USD 10.81%	FTSE TMX Canada Universe Bond 6.42%	MSCI EM GR CAD 52.03%	Russell 2000 TR USD 26.85%	JPM GBI Broad TR USD 6.20%	S&P 500 TR (1989) 16.00%	MSCI World GR CAD 35.91%	S&P 500 TR (1989) 13.69%	MSCI EAFE GR CAD 19.46%	Russell 2000 TR USD 21.31%	S&P 500 TR (1989) 21.83%
3	S&P/TSX Composite TR 9.83%	MSCI World GR CAD -25.37%	S&P/TSX Composite TR 35.05%	S&P/TSX Composite TR 17.61%	S&P 500 TR (1989) 2.11%	MSCI EM GR CAD 16.00%	S&P 500 TR (1989) 32.39%	S&P/TSX Composite TR 10.55%	FTSE TMX Canada Universe Bond 3.52%	S&P/TSX Composite TR 21.08%	MSCI EAFE GR CAD 17.36%
4	S&P 500 TR (1989) 5.49%	MSCI EAFE GR CAD -28.78%	Russell 2000 TR USD 27.17%	S&P 500 TR (1989) 15.06%	MSCI World GR CAD -2.67%	MSCI EAFE GR CAD 15.29%	MSCI EAFE GR CAD 31.57%	FTSE TMX Canada Universe Bond 8.79%	MSCI EM GR CAD 2.42%	S&P 500 TR (1989) 11.96%	MSCI World GR CAD 14.99%
5	FTSE TMX Canada Universe Bond 3.68%	S&P/TSX Composite TR -33.00%	S&P 500 TR (1989) 26.46%	MSCI EM GR CAD 12.98%	Russell 2000 TR USD -4.18%	MSCI World GR CAD 13.96%	S&P/TSX Composite TR 12.99%	MSCI EM GR CAD 7.03%	S&P 500 TR (1989) 1.38%	MSCI EM GR CAD 7.74%	Russell 2000 TR USD 14.65%
6	BMO Small Cap Equity (Weighted) CAD 1.01%	Russell 2000 TR USD -33.79%	MSCI EAFE GR CAD 12.49%	FTSE TMX Canada Universe Bond 6.74%	S&P/TSX Composite TR -8.71%	S&P/TSX Composite TR 7.19%	BMO Small Cap Equity (Weighted) CAD 8.27%	Russell 2000 TR USD 4.89%	JPM GBI Broad TR USD -2.95%	MSCI World GR CAD 4.41%	S&P/TSX Composite TR 9.10%
7	Russell 2000 TR USD -1.57%	S&P 500 TR (1989) -37.00%	MSCI World GR CAD 11.07%	MSCI World GR CAD 6.48%	MSCI EAFE GR CAD -9.55%	FTSE TMX Canada Universe Bond 3.60%	MSCI EM GR CAD 4.29%	MSCI EAFE GR CAD 4.12%	Russell 2000 TR USD -4.41%	FTSE TMX Canada Universe Bond 1.66%	JPM GBI Broad TR USD 7.36%
8	MSCI EAFE GR CAD -5.32%	MSCI EM GR CAD -41.44%	FTSE TMX Canada Universe Bond 5.41%	JPM GBI Broad TR USD 5.62%	MSCI EM GR CAD -16.15%	JPM GBI Broad TR USD 2.25%	FTSE TMX Canada Universe Bond -1.19%	JPM GBI Broad TR USD 0.65%	S&P/TSX Composite TR -8.32%	JPM GBI Broad TR USD 1.40%	BMO Small Cap Equity (Weighted) CAD 5.34%
9	MSCI World GR CAD -7.08%	BMO Small Cap Equity (Weighted) CAD -53.33%	JPM GBI Broad TR USD 2.51%	MSCI EAFE GR CAD 2.56%	BMO Small Cap Equity (Weighted) CAD -16.71%	BMO Small Cap Equity (Weighted) CAD 1.16%	JPM GBI Broad TR USD -4.05%	BMO Small Cap Equity (Weighted) CAD -0.81%	BMO Small Cap Equity (Weighted) CAD -15.11%	MSCI EAFE GR CAD -2.00%	FTSE TMX Canada Universe Bond 2.52%

Source: Morningstar Direct as at December 31, 2017 (Local Currency)

Canadian Bonds: FTSE TMX Canada Universe Bond Index
Canadian Large Cap: S&P/TSX Composite TR Index
Canadian Small Cap: BMO Small Cap Equity (Weighted) Index

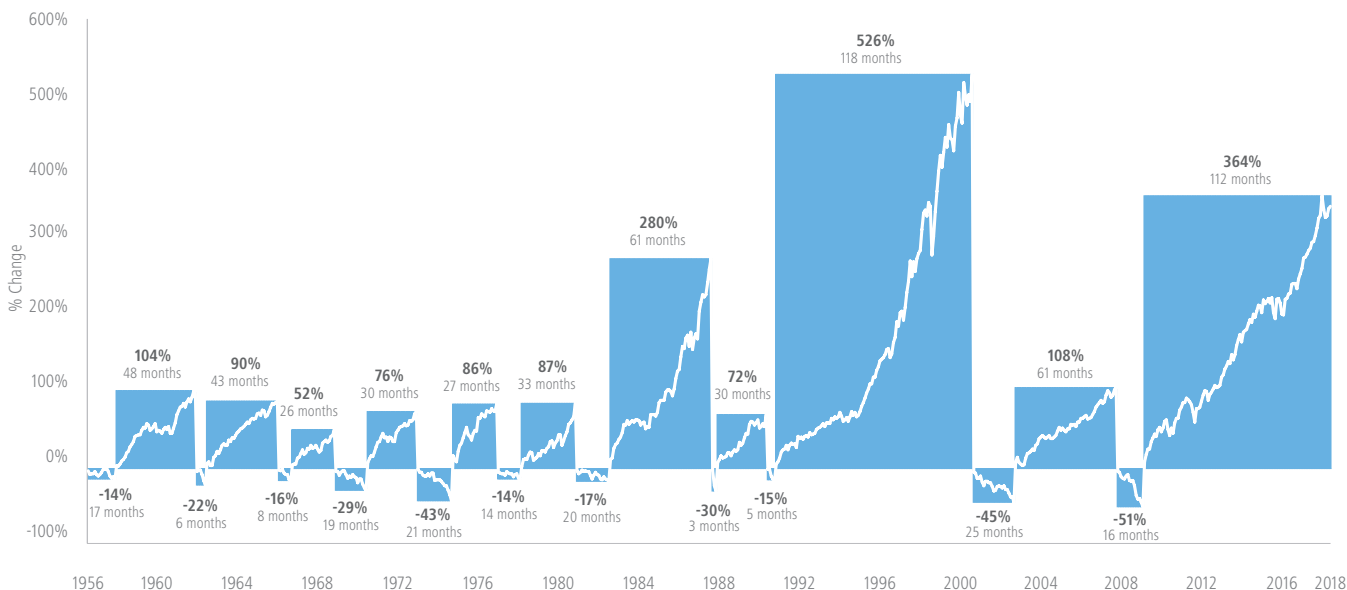
Emerging Markets: MSCI EM GR Index
Foreign Equities: MSCI EAFE GR Index
Global Bonds: JPM GBI Broad TR Index

Global Equities: MSCI World GR Index
US Small Cap: Russell 2000 TR Index
US Large Cap: S&P 500 TR Index

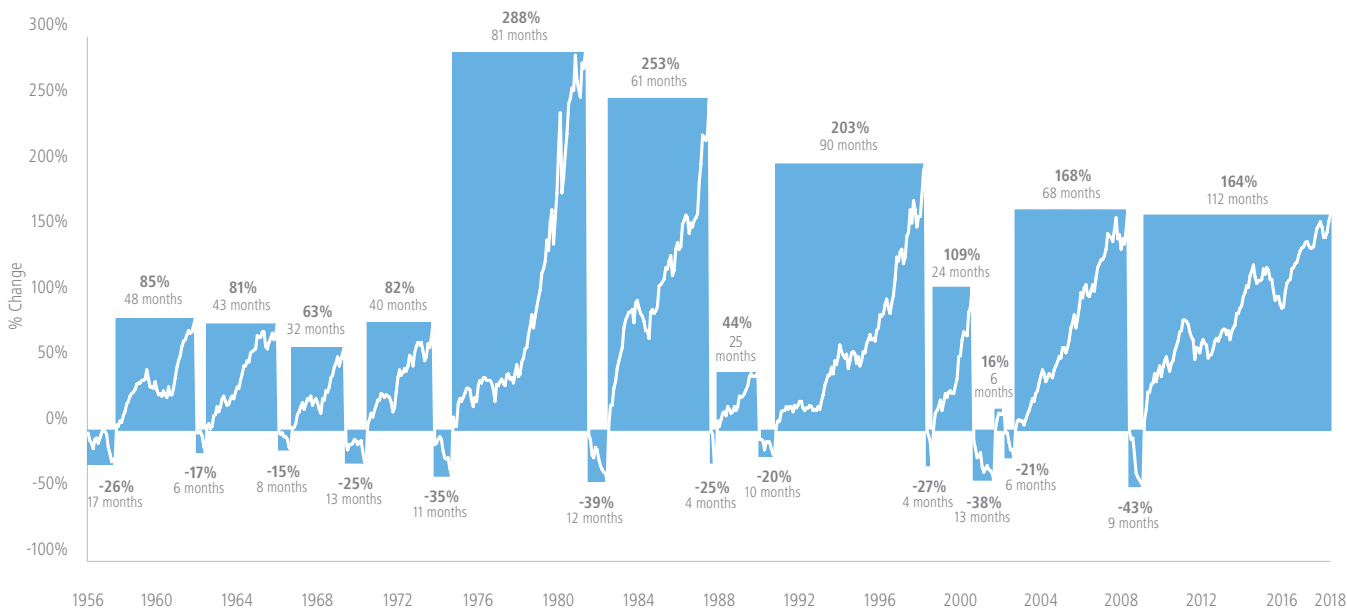
Bull and Bear charts

The charts on this page represent bull and bear markets in both the S&P 500 and the S&P/TSX indices. All bars above the line are bull markets; all bars below are bear markets. Since 1956, in the S&P 500 there have been 11 bull markets and 11 bear markets. As can be seen from the charts, bull markets typically last longer and provide a more significant percentage change.

S&P 500 Bull and Bear chart



S&P/TSX Bull and Bear chart



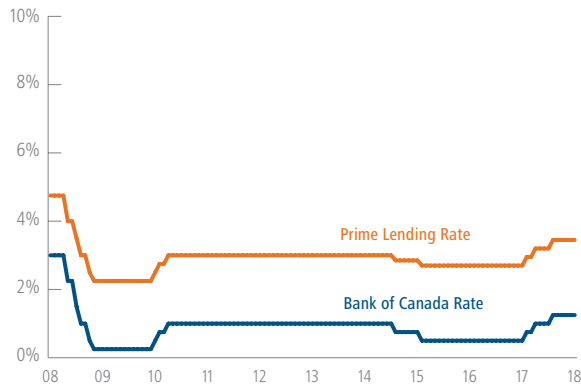
Source: Mackenzie Investments (Bloomberg: month-end data points as at June 29, 2018.; total return, local currency)

*Based on data since 1956.

10-year market returns

Canadian interest rates

As of June 30, 2018



Source: Bloomberg, June 30, 2018.

FTSE TMX Canada Universe Bond Index

As of June 30, 2018



Source: Morningstar, June 30, 2018.

S&P/TSX Composite Total Return Index

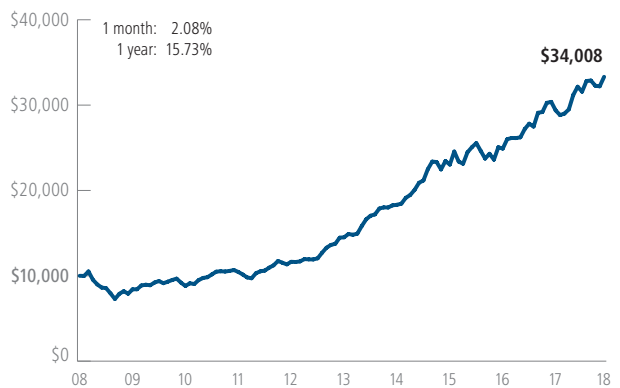
As of June 30, 2018



Source: Bloomberg, June 30, 2018.

S&P 500 Total Return Index (C\$)

As of June 30, 2018



Source: Bloomberg, June 30, 2018.

S&P/TSX Small Cap Total Return Index

As of June 30, 2018



Source: Bloomberg, June 30, 2018.

MSCI World Total Return Index (C\$)

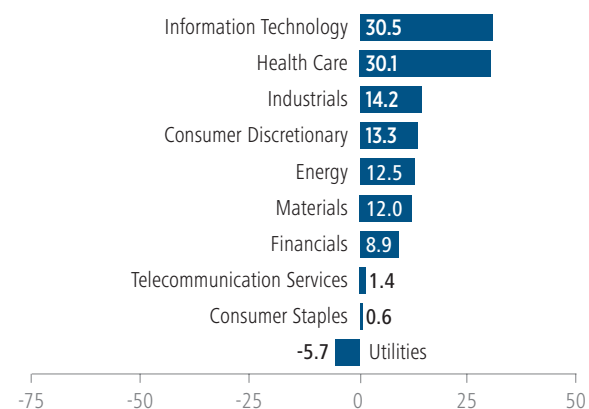
As of June 30, 2018



Source: Bloomberg, June 30, 2018.

S&P/TSX Composite Top/bottom performing industries

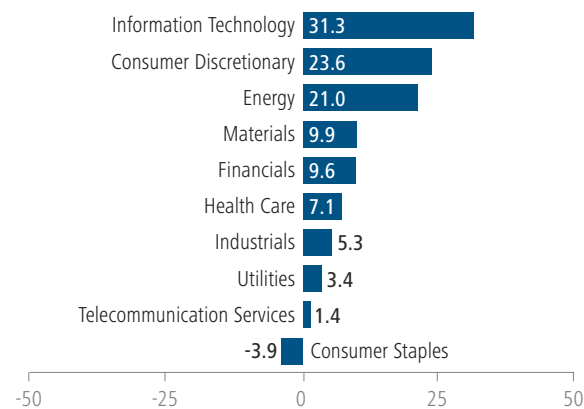
1 Year ended June 30, 2018



Source: Bloomberg, June 30, 2018.

S&P 500 Top/bottom performing industries in (C\$)

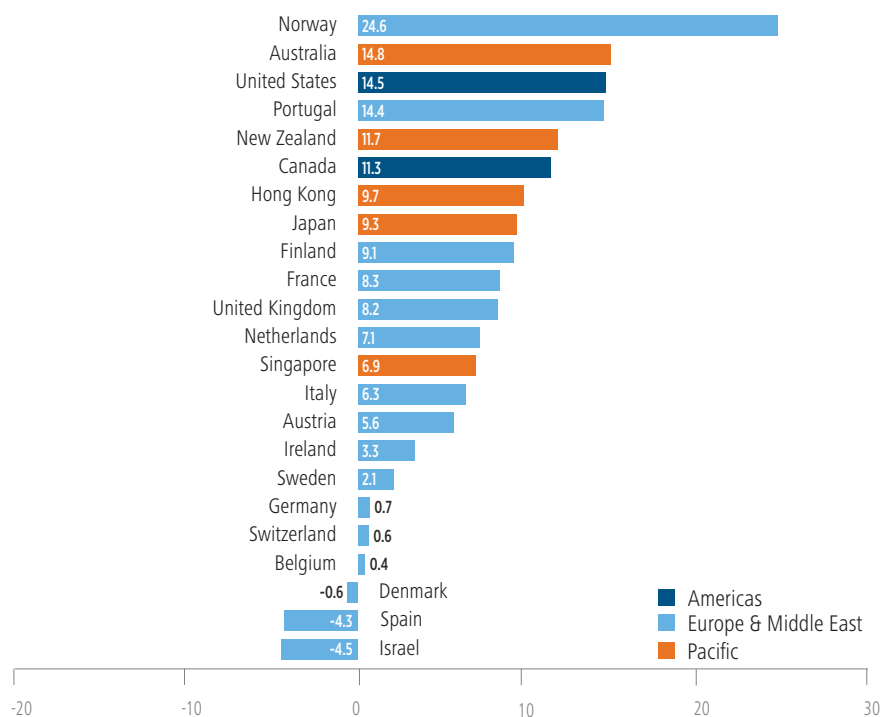
1 Year ended June 30, 2018



Source: Bloomberg, June 30, 2018.

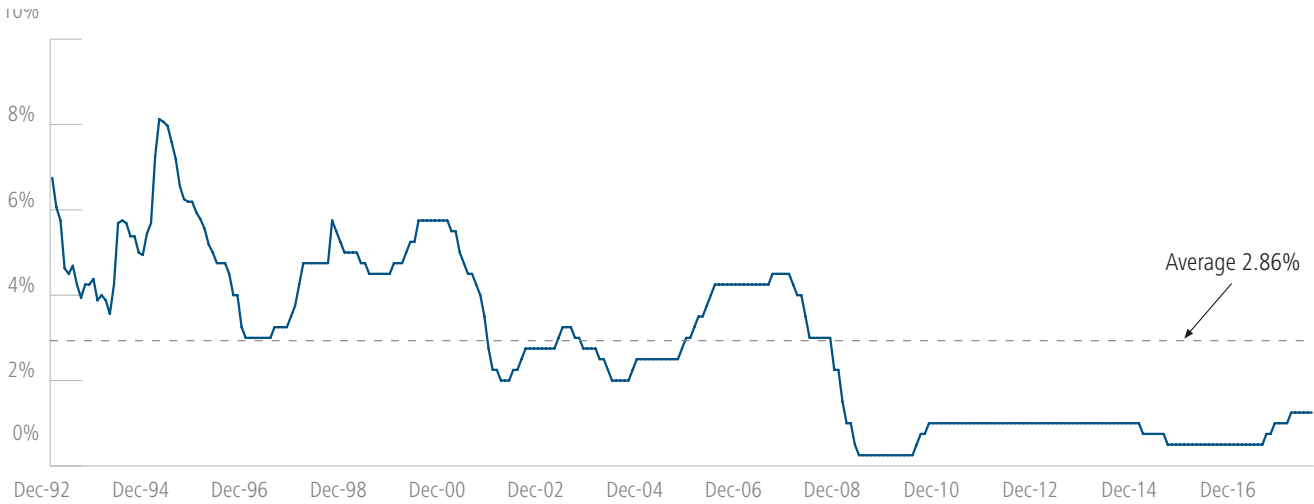
MSCI World Developed Countries Top/bottom performing countries in (C\$)

1 Year ended June 30, 2018



Source: Bloomberg, June 30, 2018.

Bank of Canada rate



Source: Bloomberg, June 30, 2018.

Canada Chartered Bank Conventional Mortgage 5-year rate



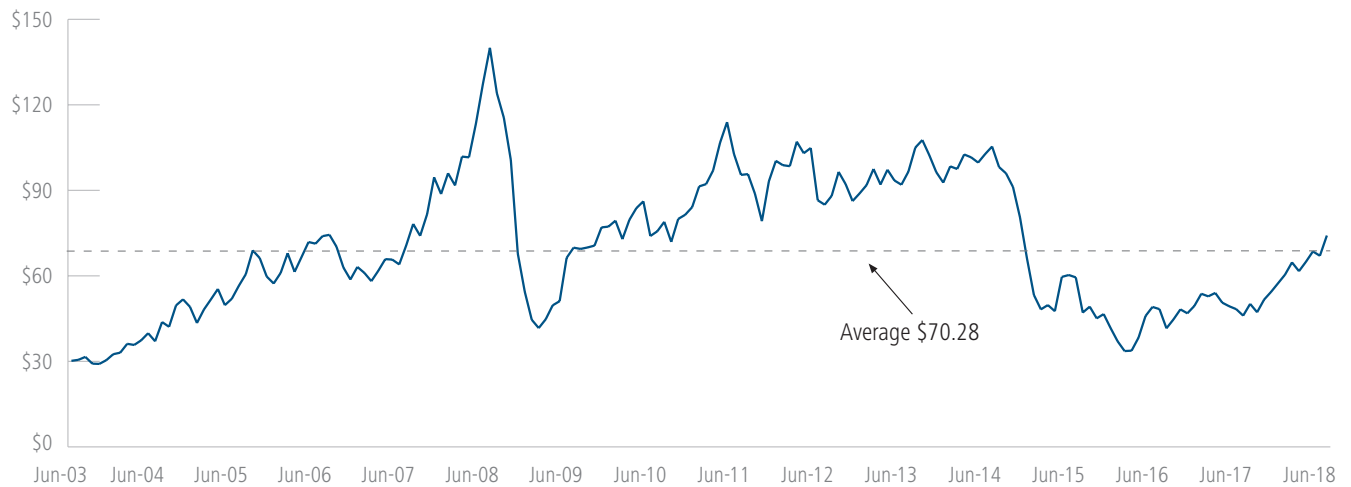
Source: Bloomberg, June 30, 2018.

US Dollar/Canadian Dollar exchange rate



Source: Bloomberg, June 30, 2018.

Crude oil – West Texas Intermediate (US\$ per barrel)



Source: Bloomberg, June 30, 2018.

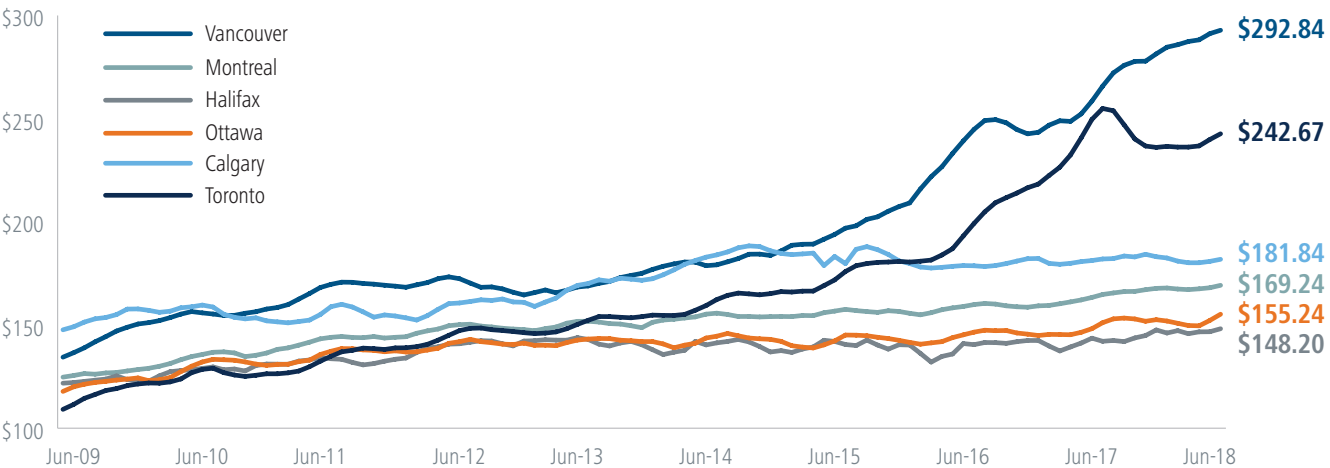
Historical gold prices (US\$ per ounce)



Source: Bloomberg, June 30, 2018.

Housing prices

The chart below illustrates a hypothetical \$100,000 purchase of an "Average Residential House" in various cities across Canada.



Sources: Bloomberg, June 30, 2018.

Retirement planning

RRSP

Deadline: 60 days after the year end.

2017 tax year deadline: March 1, 2018.

RRSP contribution limits: 18% of earned income (minus an individual's pension adjustments) up to the annual maximum (see below).

Age limit: RRSP contributions can be made until December 31st of the year an individual turns 71.

Carryforward: Unused contribution room from 1991 and onwards can be carried forward. Total allowable carryforward contribution can be found on an individual's most recent Notice of Assessment.

Overcontribution: Individuals over 18 can maintain an overcontribution of \$2,000 in an RRSP at any time.

Penalty: The penalty for overcontribution over \$2,000 is 1% per month, starting at the end of the first month in which the limit has been exceeded.

	2018	2019
Annual RRSP Limit	\$26,230	\$26,500

Withholding tax rates for RRSP/RRIF withdrawals (as of December 2016)

Amount Withdrawn	Provinces (excluding Quebec)	Quebec
Up to \$5,000	10%	21%
\$5,001 – \$15,000	20%	26%
Over \$15,000	30%	31%

RRIF

Age: No later than the year after the individual turns 71.

Withdrawals: There is no required withdrawal amount in the first calendar year a RRIF is funded (see below).

RRIF minimum withdrawals (as of December 2017)

Age	Withdrawal
60	3.33%
61	3.45%
62	3.57%
63	3.70%
64	3.85%
65	4.00%
66	4.17%
67	4.35%
68	4.55%
69	4.76%
70	5.00%
71	5.28%
72	5.40%
73	5.53%
74	5.67%
75	5.82%
76	5.98%
77	6.17%

Age	Withdrawal
78	6.36%
79	6.58%
80	6.82%
81	7.08%
82	7.38%
83	7.71%
84	8.08%
85	8.51%
86	8.99%
87	9.55%
88	10.21%
89	10.99%
90	11.92%
91	13.06%
92	14.49%
93	16.34%
94	18.79%
95+	20.00%

*A Qualifying RRIF is a RRIF that was opened
 – Before 1993 and has not accepted any funds after 1992; or
 – After 1992 and has had only funds transferred from another Qualifying RRIF.

Canada Pension Plan (CPP)

Maximum pensionable earnings: \$55,900

Basic exemption: \$3,500

Employee/employer contribution rates: 4.95%; Quebec: 5.40%

Self-employed contribution rate: 9.9%; Quebec: 10.80%

Maximum contribution: \$2,593.80 for employee and employer; \$5,187.60 for self-employed. Quebec: \$2,797.20 for employee and employer; \$5,594.40 for self-employed.

In Quebec, contributions are made to the Quebec Pension Plan.

Info can be found on page 2 of both Tax Facts and Tax Planning cards.

Figures are for 2017.

Canada Pension Plan payment rates

Type of Benefit	Average Benefit (January 2016)	Maximum payment
Retirement (at age 65)	\$644.35	\$1,134.17
Disability	\$938.31	\$1,335.83
Survivor - younger than 65	\$410.94	\$614.62
Survivor - 65 and older	\$339.39	\$680.50
Children of disabled contributors	\$234.87	\$244.64
Children of deceased contributors	\$234.87	\$244.64
Death (maximum one-time payment)	\$2,296.85	\$2,500.00
Combined benefits		
Survivor/retirement (retirement at 65)	\$829.06	\$1,134.17
Survivor / disability	\$1,041.57	\$1,335.83

CPP and Federal Government index the rate of maximum benefit each year to stay current with inflation. Source: Service Canada, January–December 2017.

Old Age Security (OAS)/Guaranteed Income Supplement (GIS) and allowance

Adjustments: OAS benefit rates are reviewed in January, April, July and October and adjusted to account for inflation.

GIS: Tops up OAS pension for seniors with low incomes.

Type of benefit	Maximum monthly payment amount	Maximum annual income to receive the OAS pension
Old Age Security pension	\$586.66	\$122,843 (individual income)
Guaranteed Income Supplement (GIS)		
Single, widowed or divorced	\$880.61	\$17,880 (individual income)
Spouse/common law partner of someone who:		
Receives the full OAS pension	\$530.12	\$23,616 (combined income)
Does not receive an OAS pension	\$880.61	\$42,864 (combined income)
Receives the Allowance	\$530.12	\$42,864 (combined income)
Allowance (if spouse/common-law partner receives the GIS and the full OAS pension)	\$1,119.71	\$33,072 (combined income)
Allowance for the Survivor	\$1,334.72	\$24,072 (individual income)

Source: Service Canada

* Pensioners with an individual net income above \$75,910 must repay part or all of the maximum Old Age Security pension amount. The repayment amounts are normally deducted from their monthly payments before they are issued. The full OAS pension is eliminated when a pensioner's net income is \$122,843 or above.

Retiring allowance

Definition: Generally includes severance/termination pay, payment by an employer for long service on retirement, and amounts received in respect of unused sick leave credits when paid after retirement.

Transfer options: Amount transferable to an RRSP (without requiring RRSP contribution room) is generally referred to as an eligible amount. Non-transferable amount referred to as non-eligible amount.

Limit on eligible transfer: Eligible amount calculated as the sum of the following:

- \$2,000 per year or part-year of service prior to 1996; and
- \$1,500 per year or part-year of service prior to 1989 for which employer contributions to a pension plan or deferred profit sharing plan had not vested in the retiree at the time the retiring allowance is paid.

RRSP options: If RRSP room is not to be impacted, eligible amounts must be transferred to an RRSP under which the recipient is annuitant. Non-eligible amounts can be contributed to RRSPs of the recipient or his/her spouse or common-law partner subject to available RRSP contribution room.

TFSA facts

Since January 1, 2009, Canadian residents who are 18 years of age or older with a valid SIN are eligible to contribute to a Tax-Free Savings Account.

TFSA contribution room accumulates every year, if at any time in the calendar year you are 18 years of age or older and a resident of Canada.

You do not have to set up a TFSA or file a tax return to earn contribution room.

Contribution room

Year	TFSA Contribution Room
2009	\$5,000
2010	\$5,000
2011	\$5,000
2012	\$5,000
2013	\$5,500
2014	\$5,500
2015	\$10,000
2016	\$5,500
2017	\$5,500
2018	\$5,500

The \$5,500 TFSA dollar limit is indexed based on the inflation rate, and rounded to the nearest \$500.

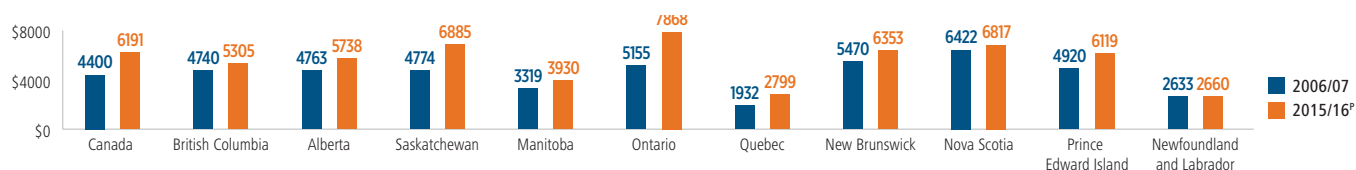
The TFSA contribution room is made up of your TFSA dollar limit (\$5,500 per year plus indexation), unused TFSA room carried from previous years and the value of any withdrawals made in the previous year, or years.

If you over-contribute beyond your TFSA contribution room in a given year you will be subject to a tax equal to 1% of the highest excess TFSA amount per month.

RESP facts

	Details
Contribution maximum	Lifetime maximum of \$50,000 per beneficiary.
Contribution age limit	In the case of family RESPs, final contribution must be made before the beneficiary's 31 st birthday. There is no age limit with respect to contributions to individual RESPs.
Canada Education Savings Grant (CESG)	20% of the annual contribution to an RESP to an annual maximum of \$500, until the end of the year in which the beneficiary turns 17; the CESG does not count towards the \$50,000 maximum. Where net family income is less than \$45,282 (2016 amount), first \$500 contributed annually will receive a 40% CESG payment. If net family income is between \$45,282 and \$90,563 (2016) CESG will be 30% of first \$500 contributed. Contributions beyond the first \$500 annually will continue to receive a 20% CESG payment subject to annual maximums.
Who qualifies for the CESG?	RESP beneficiaries must be under 18, have a social insurance number and be Canadian residents. If a child is 16 or 17, the grant will be paid if: <ul style="list-style-type: none"> At least \$2,000 has been contributed to and not withdrawn from the RESP before the year in which the beneficiary turned 16. Annual contributions of at least \$100 in any four years prior to the year in which the beneficiary turned 16.
Overcontribution penalty	1% per month of the overcontribution amount at the end of the month; even if an overcontribution is withdrawn, it counts towards the \$50,000 contribution maximum.
Plan age limit	RESP must be collapsed before December 31 st of the 35 th year following the year the plan is entered into. For disabled beneficiaries, termination can be extended to 40 years.
Refund of contributions	Subscribers can withdraw their contributions tax-free at any time. CESGs must be repaid.
Educational assistance payments	\$5,000 maximum payout within first 13 weeks of a qualifying education program; no limits after 13 weeks.
Regional programs	Get additional grants from Alberta Centennial Education Savings Grant, the Saskatchewan Advantage Grant for Education Savings and the Quebec Education Savings Incentive.

Average undergraduate tuition fees by province



Personal tax

2017 combined Federal and Provincial income tax rates

2017 Federal Income Tax Rates

Note: Tax rates are current to January 2018.

First \$46,605	15.0%
\$46,605– \$93,208	20.5%
\$93,208 – \$144,489	26.0%
\$144,489 – \$205,842	29.0%
\$205,842 and over	33.0%
Basic personal exemption	\$11,809

Federal Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	15.02%
Dividend Tax Credit (Non-eligible Dividends)	10.03%

British Columbia 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 19,364	15.00	7.50	5.76	-0.03
19,365 to 20,144	20.06	10.03	9.23	-6.85
20,145 to 32,868	23.62	11.81	13.36	-1.94
32,869 to 39,676	20.06	10.03	9.23	-6.85
39,677 to 46,605	22.70	11.35	12.30	-3.20
46,606 to 79,353	28.20	14.10	18.68	4.39
79,354 to 91,107	31.00	15.50	21.93	8.25
91,108 to 93,208	32.79	16.40	24.00	10.72
93,209 to 110,630	38.29	19.15	30.38	18.31
110,631 to 144,489	40.70	20.35	33.18	21.64
144,490 to 150,000	43.70	21.85	36.65	25.78
150,001 to 205,842	45.80	22.90	39.09	28.67
205,843 and over	49.80	24.90	43.73	34.20

British Columbia Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	10.00%
Dividend Tax Credit (Non-eligible Dividends)	2.07%

Alberta 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 18,915	15.00	7.50	5.76	-0.03
18,916 to 46,605	25.00	12.50	14.96	-0.03
46,606 to 93,208	30.50	15.25	21.34	7.56
93,209 to 128,145	36.00	18.00	27.20	15.15
128,146 to 144,489	38.00	19.00	30.04	17.91
144,490 to 153,773	41.00	20.50	33.52	22.05
153,774 to 205,031	42.00	21.00	34.68	23.43
205,032 to 205,842	43.00	21.50	35.84	24.81
205,843 to 307,547	47.00	23.50	40.48	30.33
307,548 and over	48.00	24.00	41.64	31.71

Alberta Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	10.00%
Dividend Tax Credit (Non-eligible Dividends)	2.07%

Saskatchewan 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 16,065	15.00	7.50	5.76	-0.03
16,066 to 45,225	25.50	12.75	14.24	-0.72
45,226 to 46,605	27.50	13.75	16.56	2.04
46,606 to 93,208	33.00	16.50	22.94	9.63
93,209 to 129,214	38.50	19.25	29.32	17.22
129,215 to 144,489	40.50	20.50	31.64	19.98
144,490 to 205,842	43.50	21.75	35.12	24.12
205,843 and over	47.50	23.75	39.76	29.64

Saskatchewan Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	11.00%
Dividend Tax Credit (Non-eligible Dividends)	3.20%

Manitoba 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 15,546	15.00	7.50	5.76	-0.03
15,547 to 22,944	34.80	17.40	27.82	16.25
22,945 to 31,843	25.80	12.90	17.38	3.84
31,844 to 46,605	27.75	13.88	19.65	6.53
46,606 to 68,821	33.25	16.63	26.03	14.12
68,822 to 93,208	37.90	18.95	31.42	20.53
93,209 to 144,489	43.40	21.70	37.80	28.12
144,490 to 205,842	46.40	23.20	41.28	32.26
205,843 and over	50.40	25.20	45.92	37.78

Manitoba Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	8.00%
Dividend Tax Credit (Non-eligible Dividends)	0.78%

Ontario 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,809 to 15,086	15.00	7.50	5.76	-0.03
15,087 to 19,819	25.10	12.55	10.24	-13.69
19,820 to 42,960	20.05	10.02	8.00	-6.86
42,961 to 46,605	24.15	12.08	12.76	-1.20
46,606 to 75,652	29.65	14.83	19.14	6.39
75,653 to 85,923	31.48	15.74	21.26	8.92
85,924 to 89,133	33.89	16.95	24.06	12.24
89,134 to 93,208	37.91	18.96	28.72	17.79
93,209 to 144,489	43.41	21.71	35.10	25.38
144,490 to 150,000	46.41	23.21	38.58	29.52
150,001 to 205,842	47.97	23.99	40.39	31.67
205,843 to 220,000	51.97	25.99	45.03	37.19
220,001 and over	53.53	26.77	46.84	39.34

Ontario Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	10.00%
Dividend Tax Credit (Non-eligible Dividends)	3.12%

Quebec 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 16,513	12.53	7.50	5.76	-0.03
16,514 to 43,055	27.53	13.77	14.04	4.26
43,056 to 46,605	32.53	16.27	19.84	11.16
46,606 to 86,105	37.12	18.56	25.16	17.49
86,106 to 93,208	41.12	20.56	29.80	23.01
93,209 to 104,765	45.71	22.86	35.13	29.35
104,766 to 144,489	47.46	23.73	37.16	31.77
144,490 to 205,842	49.97	24.99	40.07	35.22
205,843 and over	53.30	26.65	43.94	39.83

Quebec Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	11.90%
Dividend Tax Credit (Non-eligible Dividends)	7.05%/6.28%

¹ The amounts for person living alone or with a dependant, age and pension amount are combined and reduced by 15% of net family income. Net family income is the total income of both spouses/partners less \$33,505.

² The dividend tax credit for non-eligible dividends is 7.05% for January 1, 2018 to March 27, 2018 and is 6.28% for March 28, 2018 to December 31, 2018.

New Brunswick 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 16,761	15.00	7.50	5.76	-0.03
16,762 to 38,437	27.68	13.84	17.16	-1.85
38,437 to 41,675	24.68	12.34	13.69	-5.99
41,676 to 46,605	29.82	14.91	19.65	1.10
46,606 to 83,351	35.32	17.66	26.03	8.69
83,352 to 93,208	37.02	18.51	28.00	11.04
93,209 to 135,510	42.52	21.26	34.38	18.63
135,511 to 144,489	43.84	21.92	35.91	20.45
144,490 to 154,382	46.84	23.42	39.39	24.59
154,383 to 205,842	49.30	24.65	42.24	27.99
205,843 and over	53.30	26.65	46.88	33.51

New Brunswick Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	14.00%
Dividend Tax Credit (Non-eligible Dividends)	2.85%

Nova Scotia 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 14,893	15.00	7.50	5.76	-0.03
14,894 to 15,000	23.79	11.90	12.29	-0.11
15,001 to 21,000	28.79	14.40	18.09	6.79
21,001 to 25,000	23.79	11.90	12.30	-0.11
25,001 to 29,590	24.32	12.16	12.91	0.62
29,591 to 46,605	30.48	15.24	20.06	9.12
46,606 to 59,180	35.98	17.99	26.44	16.71
59,181 to 75,000	37.70	18.85	28.43	19.09
75,001 to 93,000	37.71	18.59	27.82	18.35
93,001 to 93,208	38.00	19.00	28.78	19.50
93,209 to 144,489	43.50	21.75	35.16	27.09
144,490 to 150,000	46.50	23.25	38.64	31.23
150,001 to 205,842	50.00	25.00	42.70	36.06
205,843 and over	54.00	27.00	47.34	41.58

Nova Scotia Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	8.85%
Dividend Tax Credit (Non-eligible Dividends)	3.16%

Prince Edward Island 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 17,000	24.80	12.40	13.77	-1.00
17,001 to 24,000	29.80	14.90	19.57	5.90
24,001 to 31,984	24.80	12.40	13.77	-0.99
31,985 to 46,605	28.80	14.40	18.41	4.53
46,606 to 63,969	34.30	17.15	24.79	12.12
63,970 to 93,208	37.20	18.60	28.15	16.12
93,209 to 98,408	42.70	21.35	34.53	23.71
98,409 to 144,489	44.37	22.19	36.13	24.56
144,490 to 205,842	47.37	23.69	39.61	28.70
205,843 and over	51.37	25.69	44.25	34.22

Prince Edward Island Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	10.50%
Dividend Tax Credit (Non-eligible Dividends)	2.90%

Newfoundland & Labrador 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 19,993	15.00	7.50	5.76	-0.03
19,994 to 25,835	39.70	19.85	30.35	26.61
25,836 to 36,926	23.70	11.85	11.80	4.53
36,927 to 46,605	29.50	14.75	18.53	12.53
46,606 to 73,852	35.00	17.50	24.91	20.12
73,853 to 93,208	36.30	18.15	26.41	21.91
93,209 to 131,850	41.80	20.90	32.79	29.50
131,851 to 144,489	43.30	21.65	34.53	31.57
144,490 to 184,590	46.30	23.15	38.01	35.71
184,591 to 205,842	47.30	23.65	39.17	37.09
205,842 and over	51.30	25.65	43.81	42.61

Newfoundland & Labrador Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	5.40%
Dividend Tax Credit (Non-eligible Dividends)	3.50%

Northwest Territories 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 14,492	15.00	7.50	5.76	-0.03
14,493 to 42,209	20.90	10.45	5.65	-7.76
42,210 to 46,605	23.60	11.80	8.78	-4.03
46,606 to 84,420	29.10	14.55	15.16	3.56
84,421 to 93,208	32.70	16.35	19.34	8.53
93,209 to 137,248	38.20	19.10	25.72	16.12
137,249 to 144,489	40.05	20.03	27.86	18.67
144,490 to 205,842	43.05	21.53	31.34	22.81
205,842 and over	47.05	23.53	35.98	28.33

Northwest Territories Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	11.50%
Dividend Tax Credit (Non-eligible Dividends)	6.00%

Nunavut 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 13,325	15.00	7.50	5.76	-0.03
13,326 to 44,437	19.00	9.50	7.20	-2.11
44,438 to 46,605	22.00	11.00	10.68	2.03
46,606 to 88,874	27.50	13.75	17.06	9.62
88,875 to 93,208	29.50	14.75	19.38	12.38
93,209 to 144,489	35.00	17.50	25.76	19.97
144,490 to 205,842	40.50	20.25	32.14	27.56
205,842 and over	44.50	22.25	36.78	33.08

Nunavut Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	5.51%
Dividend Tax Credit (Non-eligible Dividends)	2.76%

Provincial probate taxes (current as of January 2018)

Yukon 2018

Taxable Income	Marginal Tax Rates (%)			
	Interest and Regular Income	Capital Gains	Non-eligible Canadian Dividends	Eligible Canadian Dividends
\$0 to 11,809	—	—	—	—
11,810 to 16,682	16.28	8.14	6.72	-1.58
16,683 to 25,000	24.40	12.20	14.04	-3.65
25,001 to 46,605	21.40	10.70	10.57	-7.78
46,606 to 93,208	29.50	14.75	19.96	3.40
93,209 to 144,489	36.90	18.45	28.55	13.61
144,490 to 205,842	41.80	20.90	34.23	20.37
205,843 to 500,000	45.80	22.90	38.87	25.89
500,000 and over	48.00	24.00	41.42	28.93

Yukon Dividend Tax Credits and Gross-Up

Gross-up (Eligible Dividends)	38.00%
Gross-up (Non-eligible Dividends)	16.00%
Dividend Tax Credit (Eligible Dividends)	12.02%
Dividend Tax Credit (Non-eligible Dividends)	2.26%

- Probate is the process of having a will validated by the courts.
- Probate taxes vary considerably from province to province, but in most cases these taxes are a percentage of the value of the estate being probated.

Alberta	\$10,000 or under \$10,001 – \$25,000 \$25,001 – \$125,000 \$125,001 – \$250,000 Over \$250,000	\$35 \$135 \$275 \$400 \$525 (Maximum)
British Columbia	\$25,000 or under \$25,000 – \$50,000 Over \$50,000	\$0 \$200 + \$6 per \$1,000 over \$25,000 \$350 + \$14 per \$1,000 over \$50,000
Manitoba	\$10,000 or under Over \$10,000	\$70 \$70 + \$7 per \$1,000 over \$10,000
New Brunswick	\$5,000 or under \$5,001 – \$10,000 \$10,001 – \$15,000 \$15,001 – \$20,000 Over \$20,000	\$25 \$50 \$75 \$100 \$5 per \$1,000
Newfoundland & Labrador	\$1,000 or under Over \$1,000	\$60 \$60 + \$0.6 per \$100 over \$1,000
Northwest Territories	\$10,000 or under \$10,001 – \$25,000 \$25,001 – \$125,000 \$125,001 – \$250,000 Over \$250,000	\$25 \$100 \$200 \$300 \$400
Nova Scotia	\$10,000 or under \$10,001 – \$25,000 \$25,001 – \$50,000 \$50,001 – \$100,000 Over \$100,000	\$85.60 \$215.20 \$358.15 \$1,002.65 \$1,002.65 + \$16.95 per \$1,000 over \$100,000
Nunavut	\$10,000 or under \$10,001 – \$25,000 \$25,001 – \$125,000 \$125,001 – \$250,000 Over \$250,000	\$25 \$100 \$200 \$300 \$400
Ontario	\$1,000 or under \$1,000 – \$50,000 Over \$50,000	Nil \$5 per \$1,000 \$250 + \$15 per \$1,000 over \$50,000
Prince Edward Island	\$10,000 or under \$10,001 – \$25,000 \$25,001 – \$50,000 \$50,001 – \$100,000 Over \$100,000	\$50 \$100 \$200 \$400 \$400 + \$4 per \$1,000 over \$100,000
Quebec	No probate fees	Nominal registration fees apply
Saskatchewan	All estates	\$7 per \$1,000
Yukon	\$25,000 and under \$25,001 and over	\$0 \$140

Source: EY, Managing Your Personal Taxes 2016-17.

Charitable giving rules

What is a gift: For these purposes, a gift is a voluntary transfer of property (including cash, securities or mutual fund units) for which the donor receives no benefit in return. The gift must generally be made to a registered charity.

Benefit to individual: Donor can claim tax credit in respect of gift.

Credit amount: Federal tax credit is 15% of first \$200 claimed in a tax year. A 29% federal credit is available for amounts that exceed \$200. A provincial credit is also available, but the rates vary depending on province of residence.¹ The following chart outlines 2016 provincial credit amounts (ignoring surtax).

Province	First \$200	Amounts exceeding \$200
Alberta	10.00%	21.00%
British Columbia	5.06%	16.80%
Manitoba	10.80%	17.40%
New Brunswick	9.68%	17.95%
Newfoundland & Labrador	8.70%	18.30%
Northwest Territories	5.90%	14.05%
Nova Scotia	8.79%	21.00%
Nunavut	4.00%	11.50%
Ontario	7.88%	17.41%
Prince Edward Island	10.78%	18.37%
Quebec	20.00%	24.00% ¹
Saskatchewan	10.50%	14.50%
Yukon	6.40%	15.00%

¹ If taxable income exceeds \$104,765 the provincial tax credit for amounts exceeding \$200 is 25.75%, otherwise the provincial tax credit is 24%

Annual limit: The annual limit for claims in respect of charitable donations is generally 75% of net income for the year. This limit is increased to 100% in the year of death or the year prior.

Carry forward rule: Where charitable donations exceed the above limits, the excess can be carried forward and claimed in any of the next five years (subject to net income in those years).

Gifts of capital property: Where capital property (including mutual fund units) is donated to a registered charity, a capital gain or capital loss may result. In the case of a capital gain, 0% of the gain is generally included in taxable income as opposed to the 50% inclusion rate generally applicable to the sale of capital property. A tax receipt equal to fair market value (FMV) of the property would generally be issued in respect of the donated property.

¹ Federal First-time Donor's Super Credit (FDSC) was proposed in the 2013 Budget and is effective for the 2013 taxation year. The FDSC provides an additional 25% tax credit for a first time donor on up to \$1,000 of donations. The credit is available to an individual as long as the individual or his/her spouse or common-law partner has not claimed a donation tax credit in any year after 2007. This credit can be claimed only once on donations made after March 21, 2013 and before 2018.

Attribution rules

Recipient	Gift	No or low interest loan	Loan at prescribed or commercial rate
SPOUSE OR PARTNER			
Income	Attributed to "gifter"	Attributed to lender	No attribution
Capital Gains	Attributed to "gifter"	Attributed to lender	No attribution
2nd Generation Income	No attribution	No attribution	No attribution
CHILD UNDER 18			
Income	Attributed to "gifter"	Attributed to lender	No attribution
Capital Gains	No attribution	No attribution	No attribution
2nd Generation Income	No attribution	No attribution	No attribution
CHILD OVER 18			
Income	No attribution	No attribution*	No attribution
Capital Gains	No attribution	No attribution	No attribution
CORPORATION (excluding small business corporations)			
	Attribution may result if the reason for the transfer is to confer a benefit on a family member and to reduce family tax.	Same as adult child	No attribution

*Unless the loan is for education, investment in a house, or to earn business income. Anti-avoidance provision can apply to attribute income and capital gains if one of the main reasons for the loan is to reduce taxes payable. Note: Attribution generally ceases on death or in cases of non-residency.

Investment strategies (PAC and SWP)

Pre-Authorized Chequing plan (PAC)

You don't need a lot of money to make a lot of money. The following tables show how monthly contributions, aided by the power of compounded growth, can add up over the years. Another way to invest systematically is through the Mackenzie One-Step Dollar Cost Averaging program.

Assuming 3% Compound Annual Return

Monthly Contribution	5 Years	10 Years	15 Years	20 Years
\$50	\$3,237	\$6,990	\$11,340	\$16,383
\$100	\$6,474	\$13,979	\$22,680	\$32,766
\$150	\$9,711	\$20,969	\$34,020	\$49,149
\$200	\$12,948	\$27,958	\$45,359	\$65,532
\$250	\$16,185	\$34,948	\$56,699	\$81,915
\$300	\$19,422	\$41,938	\$68,039	\$98,298
\$400	\$25,896	\$55,917	\$90,719	\$131,064
\$500	\$32,370	\$69,896	\$113,399	\$163,830
\$600	\$38,844	\$83,875	\$136,078	\$196,596
\$700	\$45,318	\$97,854	\$158,758	\$229,362
\$800	\$51,792	\$111,834	\$181,438	\$262,128
\$900	\$58,266	\$125,813	\$204,118	\$294,894
\$1,000	\$64,740	\$139,792	\$226,797	\$327,661

Assuming 5% Compound Annual Return

Monthly Contribution	5 Years	10 Years	15 Years	20 Years
\$50	\$3,405	\$7,750	\$13,295	\$20,373
\$100	\$6,809	\$15,499	\$26,590	\$40,746
\$150	\$10,214	\$23,249	\$39,886	\$61,119
\$200	\$13,618	\$30,998	\$53,181	\$81,492
\$250	\$17,023	\$38,748	\$66,476	\$101,864
\$300	\$20,427	\$46,498	\$79,771	\$122,237
\$400	\$27,236	\$61,997	\$106,361	\$162,983
\$500	\$34,045	\$77,496	\$132,952	\$203,729
\$600	\$40,854	\$92,995	\$159,542	\$244,475
\$700	\$47,663	\$108,494	\$186,132	\$285,220
\$800	\$54,472	\$123,994	\$212,723	\$325,966
\$900	\$61,281	\$139,493	\$239,313	\$366,712
\$1,000	\$68,090	\$154,992	\$265,904	\$407,458

Assuming 7% Compound Annual Return

Monthly Contribution	5 Years	10 Years	15 Years	20 Years
\$50	\$3,580	\$8,601	\$15,643	\$25,520
\$100	\$7,160	\$17,202	\$31,286	\$51,041
\$150	\$10,740	\$25,803	\$46,930	\$76,561
\$200	\$14,320	\$34,404	\$62,573	\$102,081
\$250	\$17,900	\$43,005	\$78,216	\$127,602
\$300	\$21,480	\$51,606	\$93,859	\$153,122
\$400	\$28,639	\$68,808	\$125,146	\$204,162
\$500	\$35,799	\$86,009	\$156,432	\$255,203
\$600	\$42,959	\$103,211	\$187,718	\$306,244
\$700	\$50,119	\$120,413	\$219,005	\$357,284
\$800	\$57,279	\$137,615	\$250,291	\$408,325
\$900	\$64,439	\$154,817	\$281,577	\$459,365
\$1,000	\$71,598	\$172,019	\$312,864	\$510,406

Assuming 9% Compound Annual Return

Monthly Contribution	5 Years	10 Years	15 Years	20 Years
\$50	\$3,764	\$9,554	\$18,464	\$32,173
\$100	\$7,527	\$19,109	\$36,928	\$64,346
\$150	\$11,291	\$28,663	\$55,392	\$96,518
\$200	\$15,054	\$38,217	\$73,856	\$128,691
\$250	\$18,818	\$47,772	\$92,320	\$160,864
\$300	\$22,581	\$57,326	\$110,784	\$193,037
\$400	\$30,109	\$76,434	\$147,712	\$257,382
\$500	\$37,636	\$95,543	\$184,641	\$321,728
\$600	\$45,163	\$114,652	\$221,569	\$386,074
\$700	\$52,690	\$133,760	\$258,497	\$450,419
\$800	\$60,217	\$152,869	\$295,425	\$514,765
\$900	\$67,744	\$171,977	\$332,353	\$579,111
\$1,000	\$75,271	\$191,086	\$369,281	\$643,456

Rates of Return are used only to illustrate the effects of compound growth and are not intended to forecast future values or returns on investment in any mutual fund.

Systematic Withdrawal Plan (SWP)

Extend the life of your money. Just as compounded growth helps a PAC grow, it will help your clients' money last longer during a SWP program or from regular cash payouts through Mackenzie Investments' Flexible Payout Service.

3% annual rate of return				
\$100,000 Initial investment	\$200/month		\$500/month	
	Withdrawals	Market Value	Withdrawals	Market Value
Year 1	\$2,400	\$100,561	\$6,000	\$96,903
Year 2	\$2,400	\$101,139	\$6,000	\$93,713
Year 3	\$2,400	\$101,735	\$6,000	\$90,427
Year 4	\$2,400	\$102,348	\$6,000	\$87,043
Year 5	\$2,400	\$102,979	\$6,000	\$83,557
Year 6	\$2,400	\$103,630	\$6,000	\$79,967
Year 7	\$2,400	\$104,300	\$6,000	\$76,269
Year 8	\$2,400	\$104,990	\$6,000	\$72,460
Year 9	\$2,400	\$105,701	\$6,000	\$68,537
Year 10	\$2,400	\$106,433	\$6,000	\$64,496
Year 11	\$2,400	\$107,187	\$6,000	\$60,333
Year 12	\$2,400	\$107,964	\$6,000	\$56,046
Year 13	\$2,400	\$108,764	\$6,000	\$51,631
Year 14	\$2,400	\$109,588	\$6,000	\$47,083
Year 15	\$2,400	\$110,437	\$6,000	\$42,398
Year 16	\$2,400	\$111,312	\$6,000	\$37,573
Year 17	\$2,400	\$112,212	\$6,000	\$32,603
Year 18	\$2,400	\$113,140	\$6,000	\$27,484
Year 19	\$2,400	\$114,095	\$6,000	\$22,212
Year 20	\$2,400	\$115,079	\$6,000	\$16,781
	\$48,000		\$120,000	

5% annual rate of return				
\$100,000 Initial Investment	\$200/month		\$500/month	
	Withdrawals	Market Value	Withdrawals	Market Value
Year 1	\$2,400	\$102,535	\$6,000	\$98,839
Year 2	\$2,400	\$105,198	\$6,000	\$97,619
Year 3	\$2,400	\$107,993	\$6,000	\$96,339
Year 4	\$2,400	\$110,928	\$6,000	\$94,995
Year 5	\$2,400	\$114,010	\$6,000	\$93,583
Year 6	\$2,400	\$117,246	\$6,000	\$92,101
Year 7	\$2,400	\$120,644	\$6,000	\$90,545
Year 8	\$2,400	\$124,212	\$6,000	\$88,911
Year 9	\$2,400	\$127,958	\$6,000	\$87,195
Year 10	\$2,400	\$131,891	\$6,000	\$85,393
Year 11	\$2,400	\$136,021	\$6,000	\$83,502
Year 12	\$2,400	\$140,358	\$6,000	\$81,516
Year 13	\$2,400	\$144,911	\$6,000	\$79,430
Year 14	\$2,400	\$149,692	\$6,000	\$77,240
Year 15	\$2,400	\$154,712	\$6,000	\$74,941
Year 16	\$2,400	\$159,983	\$6,000	\$72,527
Year 17	\$2,400	\$165,518	\$6,000	\$69,992
Year 18	\$2,400	\$171,329	\$6,000	\$67,330
Year 19	\$2,400	\$177,431	\$6,000	\$64,535
Year 20	\$2,400	\$183,838	\$6,000	\$61,601
	\$48,000		\$120,000	

For illustrative purpose only: not intended to forecast future values or returns on investment in any mutual fund.

7% annual rate of return				
\$100,000 Initial investment	\$200/month		\$500/month	
	Withdrawals	Market Value	Withdrawals	Market Value
Year 1	\$2,400	\$104,510	\$6,000	\$100,775
Year 2	\$2,400	\$109,336	\$6,000	\$101,604
Year 3	\$2,400	\$114,499	\$6,000	\$102,491
Year 4	\$2,400	\$120,024	\$6,000	\$103,440
Year 5	\$2,400	\$125,935	\$6,000	\$104,456
Year 6	\$2,400	\$132,261	\$6,000	\$105,543
Year 7	\$2,400	\$139,029	\$6,000	\$106,706
Year 8	\$2,400	\$146,271	\$6,000	\$107,950
Year 9	\$2,400	\$154,020	\$6,000	\$109,281
Year 10	\$2,400	\$162,311	\$6,000	\$110,706
Year 11	\$2,400	\$171,183	\$6,000	\$112,230
Year 12	\$2,400	\$180,676	\$6,000	\$113,861
Year 13	\$2,400	\$190,833	\$6,000	\$115,606
Year 14	\$2,400	\$201,701	\$6,000	\$117,473
Year 15	\$2,400	\$213,330	\$6,000	\$119,471
Year 16	\$2,400	\$225,773	\$6,000	\$121,609
Year 17	\$2,400	\$239,088	\$6,000	\$123,897
Year 18	\$2,400	\$253,334	\$6,000	\$126,344
Year 19	\$2,400	\$268,577	\$6,000	\$128,963
Year 20	\$2,400	\$284,887	\$6,000	\$131,765
	\$48,000		\$120,000	

9% annual rate of return				
\$100,000 Initial Investment	\$200/month		\$500/month	
	Withdrawals	Market Value	Withdrawals	Market Value
Year 1	\$2,400	\$106,485	\$6,000	\$102,711
Year 2	\$2,400	\$113,553	\$6,000	\$105,667
Year 3	\$2,400	\$121,257	\$6,000	\$108,888
Year 4	\$2,400	\$129,655	\$6,000	\$112,399
Year 5	\$2,400	\$138,808	\$6,000	\$116,227
Year 6	\$2,400	\$148,785	\$6,000	\$120,398
Year 7	\$2,400	\$159,661	\$6,000	\$124,946
Year 8	\$2,400	\$171,515	\$6,000	\$129,902
Year 9	\$2,400	\$184,435	\$6,000	\$135,305
Year 10	\$2,400	\$198,519	\$6,000	\$141,193
Year 11	\$2,400	\$213,870	\$6,000	\$147,612
Year 12	\$2,400	\$230,603	\$6,000	\$154,609
Year 13	\$2,400	\$248,842	\$6,000	\$162,235
Year 14	\$2,400	\$268,722	\$6,000	\$170,547
Year 15	\$2,400	\$290,392	\$6,000	\$179,608
Year 16	\$2,400	\$314,012	\$6,000	\$189,484
Year 17	\$2,400	\$339,757	\$6,000	\$200,249
Year 18	\$2,400	\$367,820	\$6,000	\$211,982
Year 19	\$2,400	\$398,409	\$6,000	\$224,772
Year 20	\$2,400	\$431,750	\$6,000	\$238,713
	\$48,000		\$120,000	

For illustrative purpose only: not intended to forecast future values or returns on investment in any mutual fund.

Monthly mortgage payment tables

Annual Interest Rate:	2%	2.25%	2.5%	2.75%	3%	3.25%	3.5%	3.75%	4%	4.25%	4.5%	4.75%	5%	5.25%	5.50%	5.75%	6%
\$100K	\$423.45	\$435.61	\$447.97	\$460.51	\$473.25	\$486.17	\$499.27	\$512.56	\$526.02	\$539.66	\$553.47	\$567.46	\$581.61	\$595.92	\$610.40	\$625.02	\$639.81
\$110K	\$465.80	\$479.17	\$492.76	\$506.56	\$520.57	\$534.78	\$549.20	\$563.81	\$578.62	\$593.63	\$608.82	\$624.20	\$639.77	\$655.21	\$671.44	\$687.52	\$703.79
\$120K	\$508.14	\$522.73	\$537.56	\$552.61	\$567.89	\$583.40	\$599.12	\$615.07	\$631.22	\$647.60	\$664.17	\$680.95	\$697.93	\$715.10	\$732.47	\$750.02	\$767.77
\$130K	\$550.49	\$566.30	\$582.36	\$598.66	\$615.22	\$632.02	\$649.05	\$666.32	\$683.82	\$701.56	\$719.51	\$737.70	\$756.09	\$774.69	\$793.51	\$812.53	\$831.75
\$140K	\$592.83	\$609.86	\$627.15	\$644.72	\$662.54	\$680.63	\$698.98	\$717.58	\$736.42	\$755.53	\$774.86	\$794.44	\$814.25	\$834.28	\$854.55	\$875.03	\$895.73
\$150K	\$635.18	\$653.42	\$671.95	\$690.77	\$709.87	\$729.25	\$748.91	\$768.83	\$789.03	\$809.50	\$830.21	\$851.19	\$872.41	\$893.88	\$915.59	\$937.53	\$959.71
\$160K	\$677.52	\$696.98	\$716.75	\$736.82	\$757.19	\$777.87	\$798.83	\$820.09	\$841.63	\$863.46	\$885.56	\$907.94	\$930.57	\$953.47	\$976.63	\$1,000.03	\$1,023.69
\$170K	\$719.87	\$740.54	\$761.54	\$782.87	\$804.52	\$826.48	\$848.76	\$871.35	\$894.23	\$917.43	\$940.90	\$964.68	\$988.73	\$1,013.06	\$1,037.67	\$1,062.53	\$1,087.67
\$180K	\$762.21	\$784.10	\$806.34	\$828.92	\$851.84	\$875.10	\$898.69	\$922.60	\$946.83	\$971.39	\$996.25	\$1,021.43	\$1,046.89	\$1,072.65	\$1,098.71	\$1,125.04	\$1,151.65
\$190K	\$804.56	\$827.66	\$851.14	\$874.97	\$899.17	\$923.72	\$948.61	\$973.86	\$999.43	\$1,025.36	\$1,051.60	\$1,078.17	\$1,105.05	\$1,132.24	\$1,159.75	\$1,187.54	\$1,215.63
\$200K	\$846.90	\$871.22	\$895.93	\$921.02	\$946.49	\$972.33	\$998.54	\$1,025.11	\$1,052.03	\$1,079.33	\$1,106.95	\$1,134.92	\$1,163.21	\$1,191.83	\$1,220.79	\$1,250.04	\$1,279.61
\$210K	\$889.25	\$914.79	\$940.73	\$967.07	\$993.82	\$1,020.95	\$1,048.47	\$1,076.37	\$1,104.64	\$1,133.29	\$1,162.29	\$1,191.67	\$1,221.37	\$1,251.43	\$1,281.83	\$1,312.54	\$1,343.59
\$220K	\$931.59	\$958.35	\$985.53	\$1,013.13	\$1,041.14	\$1,069.57	\$1,098.39	\$1,127.62	\$1,157.24	\$1,187.26	\$1,217.64	\$1,248.41	\$1,279.53	\$1,311.02	\$1,342.87	\$1,375.04	\$1,407.57
\$230K	\$973.94	\$1,001.91	\$1,030.32	\$1,059.18	\$1,088.46	\$1,118.18	\$1,148.32	\$1,178.88	\$1,209.84	\$1,241.23	\$1,272.99	\$1,305.16	\$1,337.69	\$1,370.61	\$1,403.91	\$1,437.55	\$1,471.55
\$240K	\$1,016.28	\$1,045.47	\$1,075.12	\$1,105.23	\$1,135.79	\$1,166.80	\$1,198.25	\$1,230.13	\$1,262.44	\$1,295.19	\$1,328.33	\$1,361.90	\$1,395.85	\$1,430.20	\$1,464.95	\$1,500.05	\$1,535.53
\$250K	\$1,058.63	\$1,089.03	\$1,119.92	\$1,151.28	\$1,183.11	\$1,215.41	\$1,248.18	\$1,281.39	\$1,315.04	\$1,349.16	\$1,383.68	\$1,418.65	\$1,454.01	\$1,489.79	\$1,525.99	\$1,562.55	\$1,599.51
\$260K	\$1,100.97	\$1,132.59	\$1,164.71	\$1,197.33	\$1,230.44	\$1,264.03	\$1,298.10	\$1,332.65	\$1,367.64	\$1,403.13	\$1,439.03	\$1,475.40	\$1,512.17	\$1,549.39	\$1,587.03	\$1,625.05	\$1,663.49
\$270K	\$1,143.32	\$1,176.15	\$1,209.51	\$1,243.38	\$1,277.76	\$1,312.65	\$1,348.03	\$1,383.90	\$1,420.25	\$1,457.09	\$1,494.38	\$1,532.14	\$1,570.34	\$1,608.98	\$1,648.07	\$1,687.56	\$1,727.45
\$280K	\$1,185.66	\$1,219.71	\$1,254.31	\$1,289.43	\$1,325.09	\$1,361.26	\$1,397.96	\$1,435.16	\$1,472.85	\$1,511.06	\$1,549.72	\$1,588.89	\$1,628.50	\$1,668.57	\$1,709.11	\$1,750.06	\$1,855.44
\$290K	\$1,228.01	\$1,263.28	\$1,299.10	\$1,335.48	\$1,372.41	\$1,409.88	\$1,447.88	\$1,486.41	\$1,525.45	\$1,565.02	\$1,605.07	\$1,645.63	\$1,686.66	\$1,728.16	\$1,770.15	\$1,812.56	\$1,919.42
\$300K	\$1,270.35	\$1,306.84	\$1,343.90	\$1,381.53	\$1,419.74	\$1,458.50	\$1,497.81	\$1,537.67	\$1,578.05	\$1,618.99	\$1,660.42	\$1,702.38	\$1,744.82	\$1,787.75	\$1,831.19	\$1,875.06	\$1,983.40
\$350K	\$1,482.08	\$1,524.64	\$1,567.88	\$1,611.79	\$1,656.36	\$1,701.58	\$1,747.45	\$1,793.95	\$1,841.06	\$1,888.82	\$1,937.15	\$1,986.11	\$2,035.62	\$2,085.71	\$2,136.39	\$2,187.57	\$2,239.32
\$400K	\$1,693.80	\$1,742.45	\$1,791.86	\$1,842.05	\$1,892.98	\$1,944.66	\$1,997.08	\$2,050.22	\$2,104.07	\$2,158.65	\$2,213.89	\$2,269.84	\$2,326.42	\$2,383.67	\$2,441.58	\$2,500.08	\$2,559.22
\$450K	\$1,905.53	\$1,960.25	\$2,015.85	\$2,072.30	\$2,129.60	\$2,187.75	\$2,246.72	\$2,306.50	\$2,367.08	\$2,428.49	\$2,490.63	\$2,553.57	\$2,617.23	\$2,681.63	\$2,746.78	\$2,812.59	\$2,879.12
\$500K	\$2,117.26	\$2,178.06	\$2,239.83	\$2,302.56	\$2,366.23	\$2,430.83	\$2,496.35	\$2,562.78	\$2,630.08	\$2,698.32	\$2,767.36	\$2,837.30	\$2,908.03	\$2,979.59	\$3,051.98	\$3,125.10	\$3,199.03
\$600K	\$2,540.71	\$2,613.67	\$2,687.80	\$2,763.07	\$2,839.47	\$2,917.00	\$2,995.62	\$3,075.34	\$3,156.10	\$3,237.98	\$3,320.84	\$3,404.76	\$3,489.63	\$3,575.50	\$3,662.37	\$3,750.12	\$3,838.83

Assumes a 25-year amortization period. Blended payments of interest and principal. Compounded semi-annually.
Source: Barron's Financial Tables for Better Money Management, Canadian Mortgage Payments

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