

Supplementary Financial Information



Q2 2019

For the period ended April 30, 2019

(UNAUDITED)

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Notes to Users

The Consolidated Financial Statements are prepared in compliance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB) and International Accounting Standard (IAS) 34, Interim Financial Reporting unless otherwise noted. Unless otherwise stated, monetary amounts are stated in Canadian dollars. This document is not audited and should be read in conjunction with our Q2 2019 Report to Shareholders. Certain comparative amounts have been amended to conform to the current period's presentation.

IFRS 9

Effective November 1, 2017, we adopted IFRS 9 *Financial Instruments*. Results from periods prior to November 1, 2017 are reported in accordance with IAS 39 *Financial Instruments: Recognition and Measurement*. Under IFRS 9, Provisions for credit losses (PCL) relates primarily to loans, acceptances and commitments and also applies to all financial assets except for those classified or designated as fair value through profit or loss (FVTPL) and equity securities designated as fair value through other comprehensive income (FVOCI). Prior to the adoption of IFRS 9, PCL related only to loans, acceptances and commitments. PCL on performing (Stages 1 and 2) and impaired (Stage 3) financial assets are recorded within the respective business segment. Under IAS 39 and prior to November 1, 2017, PCL on performing financial assets (loans not yet identified as impaired) was included in Corporate Support. For further details on the impacts of the adoption of IFRS 9 including the description of accounting policies selected, refer to our Q2 2019 Report to Shareholders and 2018 Annual Report.

Capital Disclosure Requirements related to Basel III Pillar 3

Capital main features disclosure provides a qualitative disclosure and sets out summary information on the terms and conditions of the main features of all capital instruments. We have also included the full terms and conditions for each of our capital instruments on our Investor Relations website at <http://www.rbc.com/investorrelations/quarterly-financial-statements.html>.

EDTF Disclosures

The Financial Stability Board's Enhanced Disclosure Task Force (EDTF) issued a report titled "*Enhancing the Risk Disclosures of Banks*" in October 2012. The following index lists the disclosure related to these recommendations contained in this document.

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For a full index of where to find all EDTF related disclosures, see pg 46 of our Q2 2019 Report to Shareholders.

FINANCIAL HIGHLIGHTS (Millions of Canadian dollars, except otherwise noted) ¹	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months		
SELECTED INCOME STATEMENT INFORMATION													
Net interest income	4,837	4,884	4,729	4,596	4,421	4,445	4,361	4,257	4,198	9,721	8,866	18,191	17,140
Non-interest income	6,662	6,705	5,940	6,429	5,633	6,383	6,162	5,831	6,214	13,367	12,016	24,385	23,529
Total revenue	11,499	11,589	10,669	11,025	10,054	10,828	10,523	10,088	10,412	23,088	20,882	42,576	40,669
Provision for credit losses (PCL) ²	426	514	353	346	274	334	234	320	302	940	608	1,307	1,150
Insurance policyholder benefits, claims and acquisition expense (PBCAE)	1,160	1,225	494	925	421	836	1,137	643	1,090	2,385	1,257	2,676	3,053
Non-interest expense	5,916	5,912	5,882	5,858	5,482	5,611	5,611	5,537	5,331	11,828	11,093	22,833	21,794
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
Less: Non-controlling interests (NCI)	(4)	(2)	(3)	(8)	(9)	(11)	(8)	(13)	(8)	(6)	(20)	(31)	(41)
Preferred dividends	(65)	(74)	(71)	(70)	(72)	(72)	(72)	(76)	(77)	(139)	(144)	(285)	(300)
Net income available to common shareholders	3,161	3,096	3,176	3,031	2,979	2,929	2,757	2,707	2,724	6,257	5,908	12,115	11,128
Add: Dilutive impact of exchangeable shares	3	4	4	4	3	4	4	4	3	7	7	15	15
Net income available to common shareholders including dilutive impact of exchangeable shares	3,164	3,100	3,180	3,035	2,982	2,933	2,761	2,711	2,727	6,264	5,915	12,130	11,143
PROFITABILITY MEASURES													
Earnings per share (EPS) - basic	\$2.20	\$2.15	\$2.21	\$2.10	\$2.06	\$2.02	\$1.89	\$1.86	\$1.86	\$4.36	\$4.08	\$8.39	\$7.59
- diluted	\$2.20	\$2.15	\$2.20	\$2.10	\$2.06	\$2.01	\$1.88	\$1.85	\$1.85	\$4.34	\$4.07	\$8.36	\$7.56
Common shares outstanding (000s) ³													
- average (basic)	1,435,091	1,437,074	1,440,207	1,440,477	1,443,084	1,451,781	1,457,855	1,457,854	1,468,015	1,436,099	1,447,504	1,443,894	1,466,988
- average (diluted)	1,441,163	1,443,195	1,446,514	1,446,956	1,449,737	1,458,714	1,464,916	1,465,035	1,475,562	1,442,194	1,454,299	1,450,485	1,474,421
Return on common equity (ROE) ⁴	17.5%	16.7%	17.6%	17.3%	18.1%	17.4%	16.6%	16.3%	17.2%	17.1%	17.7%	17.6%	17.0%
Return on tangible common equity (ROTCE) ⁴	21.5%	20.5%	21.6%	21.4%	22.6%	21.6%	20.7%	20.5%	21.8%	21.0%	22.1%	21.8%	21.4%
Return on assets (ROA)	0.94%	0.90%	0.97%	0.95%	0.98%	0.94%	0.94%	0.93%	0.98%	0.92%	0.96%	0.96%	0.97%
Return on RWA ⁵	2.60%	2.48%	2.60%	2.48%	2.57%	2.56%	2.43%	2.45%	2.49%	2.53%	2.57%	2.55%	2.49%
Efficiency ratio	51.4%	51.0%	55.1%	53.1%	54.5%	51.8%	53.3%	54.9%	51.2%	51.2%	53.1%	53.6%	53.6%
Adjusted efficiency ratio ⁶	53.2%	52.1%	53.4%	53.4%	53.6%	51.9%	54.8%	53.7%	53.1%	52.7%	52.7%	53.1%	53.8%
KEY RATIOS													
Diluted EPS growth ⁷	6.8%	7.0%	17.0%	13.5%	11.4%	2.0%	13.9%	(1.6)%	11.4%	6.6%	6.5%	10.6%	11.5%
Revenue growth ⁷	14.4%	7.0%	1.4%	9.3%	(3.4)%	12.3%	12.4%	(2.6)%	8.2%	10.6%	4.1%	4.7%	4.8%
Adjusted revenue growth ^{6,7}	8.7%	5.0%	7.5%	6.4%	1.8%	8.9%	7.4%	8.3%	6.9%	6.8%	5.4%	6.2%	7.0%
Non-interest expense growth ⁷	7.9%	5.4%	4.8%	5.8%	2.8%	5.6%	5.9%	6.7%	7.0%	6.6%	4.2%	4.8%	6.2%
Operating leverage	6.5%	1.6%	(3.4)%	3.5%	(6.2)%	6.7%	6.5%	(9.3)%	1.2%	4.0%	(0.1)%	(0.1)%	(1.4)%
Adjusted operating leverage ⁶	0.8%	(0.4)%	2.7%	0.6%	(1.0)%	3.3%	1.5%	1.6%	(0.1)%	0.2%	1.2%	1.4%	0.8%
PCL on impaired loans (IFRS 9 - Stage 3) as a percentage of Average net loans and acceptances ⁸	0.29%	0.28%	0.20%	0.17%	0.22%	0.23%	0.17%	0.23%	0.23%	0.28%	0.23%	0.20%	0.21%
Net interest margin (NIM) (average earning assets, net)	1.64%	1.62%	1.67%	1.66%	1.68%	1.65%	1.72%	1.69%	1.73%	1.63%	1.66%	1.66%	1.72%
NIM (total average assets)	1.41%	1.39%	1.42%	1.40%	1.42%	1.38%	1.45%	1.42%	1.46%	1.40%	1.40%	1.40%	1.44%
NIM (total average assets) excluding Trading Assets, Trading net interest income and Insurance Assets	2.07%	2.05%	2.04%	2.02%	2.04%	1.99%	2.02%	1.99%	2.01%	2.06%	2.02%	2.02%	2.01%
Non-interest income as % of total revenue	57.9%	57.9%	55.7%	58.3%	56.0%	58.9%	58.6%	57.8%	59.7%	57.9%	57.5%	57.3%	57.9%
Effective tax rate	19.2%	19.5%	17.5%	20.2%	21.1%	25.6%	19.9%	22.1%	23.9%	19.3%	23.4%	21.1%	21.8%
Effective tax rate (Taxable equivalent basis (teb))	21.5%	21.6%	20.4%	23.3%	24.0%	27.2%	24.7%	24.3%	25.8%	21.6%	25.7%	23.7%	24.6%
CAPITAL MEASURES - CONSOLIDATED													
Common Equity Tier 1 (CET1) capital ratio ⁵	11.8%	11.4%	11.5%	11.1%	10.9%	11.0%	10.9%	10.9%	10.6%	11.8%	10.9%	11.5%	10.9%
Tier 1 capital ratio ⁵	12.9%	12.7%	12.8%	12.3%	12.3%	12.4%	12.3%	12.4%	12.0%	12.9%	12.3%	12.8%	12.3%
Total capital ratio ⁵	14.8%	14.5%	14.6%	14.1%	14.1%	14.4%	14.2%	14.4%	14.1%	14.8%	14.1%	14.6%	14.2%
Total capital RWA (\$ billions) ⁵	510.5	508.5	496.5	498.9	489.2	466.8	474.5	458.1	471.2	510.5	489.2	496.5	474.5
Leverage ratio - all-in basis	4.3%	4.3%	4.4%	4.3%	4.3%	4.2%	4.4%	4.4%	4.3%	4.3%	4.3%	4.4%	4.4%
Leverage ratio exposure - all-in basis (\$ billions)	1,521.2	1,501.8	1,450.8	1,413.9	1,381.0	1,363.9	1,315.5	1,286.6	1,311.7	1,521.2	1,381.0	1,450.8	1,315.5

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Under IFRS 9, PCL relates primarily to loans, acceptances and commitments and also to all other financial assets except for those classified or designated as FVTPL and equity securities designated as FVOCI.

³ Average common shares outstanding includes the impact of treasury shares held.

⁴ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

⁵ Different scalars are applied to the Credit valuation adjustment (CVA) included in the RWA calculation applicable to each of the three tiers of capital. This phase-in approach of CVA ended in Q4/18. During this phase-in period, RWA for CET1, Tier 1 capital and total capital ratios were subject to different annual CVA percentages. For 2017 the CVA scalars were 72%, 77% and 81%. For 2018 the CVA scalars were 80%, 83% and 86%.

⁶ These measures have been adjusted to exclude the change in fair value backing out policyholder liabilities and the following specified items (pre-tax): Gain on sale of U.S. operations of Moneris Solutions (Q1/17 - \$212 million), Gain on sale of RBC General Insurance (Q3/16 - \$287 million).

⁷ These are non-GAAP measures. Refer to page 46 for further details.

⁸ Growth rates are calculated based on results in the same period a year ago.

⁸ PCL on impaired loans ratio under IFRS 9 is calculated using PCL on Stage 3 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

FINANCIAL HIGHLIGHTS <i>continued</i> (Millions of Canadian dollars, except otherwise noted)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
ADJUSTED BASIS MEASURES ¹													
Net income available to common shareholders	3,161	3,096	3,176	3,031	2,979	2,929	2,757	2,707	2,724	6,257	5,908	12,115	11,128
Adjustments													
Add: After-tax effect of amortization of other intangibles	56	54	55	55	55	54	49	50	51	110	109	219	206
City National transaction and integration costs	-	-	4	7	3	8	9	7	5	-	11	22	27
Gain on sale of U.S. operations of Moneris Solutions Corporation	-	-	-	-	-	-	-	-	-	-	-	-	(212)
Add: Dilutive impact of exchangeable shares	3	4	4	4	3	4	4	4	3	7	7	15	15
Net income available to common shareholders including dilutive impact of exchangeable shares	3,220	3,154	3,239	3,097	3,040	2,995	2,819	2,768	2,783	6,374	6,035	12,371	11,164
Adjusted EPS	\$2.24	\$2.19	\$2.25	\$2.15	\$2.11	\$2.06	\$1.93	\$1.90	\$1.89	\$4.43	\$4.17	\$8.56	\$7.60
Adjusted diluted EPS	\$2.23	\$2.19	\$2.24	\$2.14	\$2.10	\$2.05	\$1.92	\$1.89	\$1.89	\$4.42	\$4.15	\$8.53	\$7.57
Adjusted ROE	17.8%	17.0%	17.9%	17.6%	18.5%	17.7%	16.9%	16.7%	17.6%	17.4%	18.1%	17.9%	17.1%
CALCULATION OF ROTCE													
Net income available to common shareholders	3,161	3,096	3,176	3,031	2,979	2,929	2,757	2,707	2,724	6,257	5,908	12,115	11,128
Add: After-tax effect of amortization of other intangibles	56	54	55	55	55	54	49	50	51	110	109	219	206
	3,217	3,150	3,231	3,086	3,034	2,983	2,806	2,757	2,775	6,367	6,017	12,334	11,334
Average common equity	74,000	73,550	71,700	69,650	67,450	66,850	65,900	65,750	64,800	73,800	67,150	68,900	65,300
Less: Goodwill and Intangibles net of tax	12,550	12,600	12,450	12,400	12,400	12,150	12,100	12,350	12,700	12,600	12,350	12,350	12,450
Tangible common equity	61,450	60,950	59,250	57,250	55,050	54,700	53,800	53,400	52,100	61,200	54,800	56,550	52,850
ROTCE ²	21.5%	20.5%	21.6%	21.4%	22.6%	21.6%	20.7%	20.5%	21.8%	21.0%	22.1%	21.8%	21.4%
ECONOMIC PROFIT													
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
NCI	(4)	(2)	(3)	(8)	(9)	(11)	(8)	(13)	(8)	(6)	(20)	(31)	(41)
After-tax effect of amortization of other intangibles	56	54	55	55	55	54	49	50	51	110	109	219	206
Goodwill and other intangibles impairment	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital charge	(1,600)	(1,649)	(1,607)	(1,564)	(1,468)	(1,505)	(1,485)	(1,484)	(1,420)	(3,249)	(2,973)	(6,144)	(5,849)
Economic profit ²	1,682	1,575	1,695	1,592	1,638	1,550	1,393	1,349	1,432	3,257	3,188	6,475	5,785
ADDITIONAL SHARE INFORMATION													
Common shares outstanding (000s) - end of period ³	1,434,879	1,435,073	1,438,794	1,440,008	1,440,986	1,443,915	1,452,535	1,459,025	1,457,064	1,434,879	1,440,986	1,438,794	1,452,535
Treasury shares held													
- preferred (000s)	(1)	7	114	8	(112)	(7)	6	3	(24)	(1)	(112)	114	6
- common (000s)	(1,044)	(432)	(235)	(1,158)	(1,023)	(150)	(363)	1,091	(227)	(1,044)	(1,023)	(235)	(363)
Stock options outstanding (000s)	8,906	9,435	8,504	8,863	9,348	9,557	9,315	9,932	10,612	8,906	9,348	8,504	9,315
Stock options exercisable (000s)	4,195	4,589	3,726	4,087	4,526	4,589	4,337	4,952	5,595	4,195	4,526	3,726	4,337
Dividends declared per common share	\$1.02	\$0.98	\$0.98	\$0.94	\$0.94	\$0.91	\$0.91	\$0.87	\$0.87	\$2.00	\$1.85	\$3.77	\$3.48
Dividend yield	3.9%	4.1%	3.8%	3.8%	3.7%	3.5%	3.6%	3.7%	3.6%	4.0%	3.6%	3.7%	3.8%
Dividend payout ratio	46%	45%	44%	45%	46%	45%	48%	47%	47%	46%	45%	45%	46%
Common dividends	1,466	1,407	1,412	1,355	1,356	1,319	1,324	1,269	1,271	2,873	2,675	5,442	5,096
Preferred dividends	65	74	71	71	71	72	72	76	77	139	143	285	300
Book value per share	\$53.06	\$51.67	\$51.12	\$49.64	\$47.97	\$46.01	\$46.41	\$44.93	\$45.20	\$53.06	\$47.97	\$51.12	\$46.41
Common share price (RY on TSX)													
- High	\$107.91	\$100.27	\$105.12	\$102.46	\$105.15	\$108.52	\$102.15	\$96.20	\$99.90	\$107.91	\$108.52	\$108.52	\$102.15
- Low	\$100.02	\$90.10	\$93.13	\$96.25	\$96.00	\$99.30	\$90.13	\$90.73	\$93.11	\$90.10	\$96.00	\$93.13	\$81.82
- Close, end of period	\$106.77	\$100.02	\$95.92	\$101.55	\$97.64	\$105.32	\$100.87	\$93.01	\$93.47	\$106.77	\$97.64	\$95.92	\$100.87
Market capitalization (TSX)	153,202	143,536	138,009	146,350	140,798	152,089	146,554	135,602	136,213	153,202	140,798	138,009	146,554
Market price to book value	2.01	1.94	1.88	2.05	2.04	2.29	2.17	2.07	2.07	2.01	2.04	1.88	2.17

¹ Adjusted measures are non-GAAP measures. For further information, refer to the Key performance and non-GAAP measures section on page 46.

² This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

³ Common shares outstanding has been adjusted to include the impact of treasury shares.

FINANCIAL HIGHLIGHTS <i>continued</i> (Millions of Canadian dollars, except otherwise noted)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
SELECTED BALANCE SHEET INFORMATION													
Average loans and acceptances, net	613,100	604,200	586,700	573,900	561,900	554,000	554,400	547,700	540,500	608,600	557,900	569,200	544,600
Total assets	1,378,876	1,366,207	1,334,734	1,292,374	1,274,778	1,276,275	1,212,853	1,201,047	1,202,919	1,378,876	1,274,778	1,334,734	1,212,853
Average assets	1,407,100	1,397,500	1,324,900	1,300,800	1,276,700	1,276,700	1,195,600	1,188,800	1,181,000	1,402,200	1,276,700	1,294,900	1,186,600
Average earning assets, net	1,212,000	1,198,500	1,123,300	1,095,300	1,081,100	1,071,200	1,007,500	1,000,200	997,700	1,205,200	1,076,100	1,092,800	999,000
Deposits	864,101	852,564	837,046	832,261	822,048	800,020	789,635	778,618	785,583	864,101	822,048	837,046	789,635
Common equity	76,139	74,147	73,552	71,475	69,122	66,430	67,416	65,561	65,858	76,139	69,122	73,552	67,416
Average common equity	74,000	73,550	71,700	69,650	67,450	66,850	65,900	65,750	64,800	73,800	67,150	68,900	65,300
OTHER INFORMATION													
Number of employees (full-time equivalent)													
Canada	58,381	58,331	58,177	58,532	56,376	55,782	55,420	56,147	55,283	58,381	56,376	58,177	55,420
U.S.	13,573	13,539	13,474	13,460	12,773	12,622	12,505	12,611	11,947	13,573	12,773	13,474	12,505
Other	10,243	10,238	10,219	10,244	10,159	10,244	10,285	10,376	10,428	10,243	10,159	10,219	10,285
Total	82,197	82,108	81,870	82,236	79,308	78,648	78,210	79,134	77,658	82,197	79,308	81,870	78,210
Number of banking branches													
Canada	1,207	1,205	1,203	1,205	1,221	1,230	1,235	1,246	1,256	1,207	1,221	1,203	1,235
U.S.	71	71	72	72	72	71	73	72	72	71	72	72	73
Other	57	58	58	61	62	67	68	70	73	57	62	58	68
Total	1,335	1,334	1,333	1,338	1,355	1,368	1,376	1,388	1,401	1,335	1,355	1,333	1,376
Number of automated teller machines (ATMs)	4,569	4,568	4,537	4,792	4,875	4,660	4,630	4,758	4,893	4,569	4,875	4,537	4,630
Active digital (Online and Mobile) users (000's) ¹	7,030	6,844	6,733	6,583	6,482	6,377	6,226	6,088	6,021	7,030	6,482	6,733	6,226
Active mobile users (000's) ¹	4,144	4,014	3,875	3,692	3,533	3,427	3,298	3,135	2,981	4,144	3,533	3,875	3,298
MARKET RISK MEASURES - Structural Interest Rate Sensitivities													
Before-tax impact of 1% increase in rates on:													
Net interest income risk ²	469	487	505	580	555	458	451	379	471	469	555	505	451
Economic value of equity	(1,112)	(1,019)	(1,140)	(997)	(1,086)	(1,224)	(1,215)	(1,325)	(1,208)	(1,112)	(1,086)	(1,140)	(1,215)
Before-tax impact of 1% decrease in rates on:													
Net interest income risk ²	(612)	(617)	(582)	(667)	(656)	(578)	(604)	(546)	(577)	(612)	(656)	(582)	(604)
Economic value of equity	505	549	755	583	669	809	638	753	655	505	669	755	638

¹ This figure represents the 90-Day Active customers in Canadian Banking only.

² Amounts represent the 12-month Net interest income exposure to an instantaneous and sustained shift in interest rates.

STATEMENTS OF INCOME (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months		
Net interest income													
Interest and dividend income	10,132	10,149	8,990	8,626	7,865	7,540	7,146	6,808	6,491	20,281	15,405	33,021	26,904
Interest expense	5,295	5,265	4,261	4,030	3,444	3,095	2,785	2,551	2,293	10,560	6,539	14,830	9,764
Total	4,837	4,884	4,729	4,596	4,421	4,445	4,361	4,257	4,198	9,721	8,866	18,191	17,140
Non-interest income													
Accounts	343	345	339	334	328	328	329	328	324	688	656	1,329	1,306
Other payment services	123	123	120	124	115	112	116	122	113	246	227	471	464
Service charges	466	468	459	458	443	440	445	450	437	934	883	1,800	1,770
Insurance premiums, investment and fee income	1,515	1,579	1,039	1,290	806	1,144	1,612	1,009	1,448	3,094	1,950	4,279	4,566
Trading revenue	250	358	123	234	236	318	146	216	181	608	554	911	806
Investment management and custodial fees	1,381	1,450	1,387	1,347	1,318	1,325	1,228	1,227	1,189	2,831	2,643	5,377	4,803
Mutual fund revenue	899	873	896	908	862	885	848	857	820	1,772	1,747	3,551	3,339
Securities brokerage commissions	316	342	349	334	334	355	327	330	360	658	689	1,372	1,416
Underwriting and other advisory fees	554	345	514	541	457	541	498	537	590	899	998	2,053	2,093
Foreign exchange revenue, other than trading	243	249	267	273	277	281	230	281	236	492	558	1,098	974
Card service revenue	266	282	264	266	267	257	211	245	241	548	524	1,054	933
Credit fees	288	315	371	378	317	328	364	355	358	603	645	1,394	1,433
Net gain on investment securities ¹	37	46	33	26	49	39	47	44	54	83	88	147	172
Share of profit (loss) in joint ventures and associates	14	15	8	(26)	14	25	10	33	41	29	39	21	335
Other	433	383	230	400	253	445	196	247	259	816	698	1,328	889
Total	6,662	6,705	5,940	6,429	5,633	6,383	6,162	5,831	6,214	13,367	12,016	24,385	23,529
Total revenue	11,499	11,589	10,669	11,025	10,054	10,828	10,523	10,088	10,412	23,088	20,882	42,576	40,669
Provision for credit losses	426	514	353	346	274	334	234	320	302	940	608	1,307	1,150
Insurance policyholder benefits, claims and acquisition expense	1,160	1,225	494	925	421	836	1,137	643	1,090	2,385	1,257	2,676	3,053
Non-interest expense	5,916	5,912	5,882	5,858	5,482	5,611	5,611	5,537	5,331	11,828	11,093	22,833	21,794
Income before income taxes	3,997	3,938	3,940	3,896	3,877	4,047	3,541	3,588	3,689	7,935	7,924	15,760	14,672
Income taxes	767	766	690	787	817	1,035	704	792	880	1,533	1,852	3,329	3,203
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
Net income (loss) attributable to:													
Shareholders	3,226	3,170	3,247	3,101	3,051	3,001	2,829	2,783	2,801	6,396	6,052	12,400	11,428
Non-controlling interests (NCI)	4	2	3	8	9	11	8	13	8	6	20	31	41
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
Non-controlling interests (NCI)	(4)	(2)	(3)	(8)	(9)	(11)	(8)	(13)	(8)	(6)	(20)	(31)	(41)
Preferred dividends	(65)	(74)	(71)	(70)	(72)	(72)	(72)	(76)	(77)	(139)	(144)	(285)	(300)
Net income available to common shareholders	3,161	3,096	3,176	3,031	2,979	2,929	2,757	2,707	2,724	6,257	5,908	12,115	11,128

¹ Under IFRS 9, the Net gain on investment securities represents realized gains (losses) on debt securities at FVOCI and amortized cost debt securities. Under IAS 39, the Net gain on investment securities represents realized gains (losses) on debt and equity available-for-sale (AFS) securities.

REVENUE FROM TRADING ACTIVITIES (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
											6 months	6 months	
Total trading revenue													
Net interest income	619	601	548	577	524	550	526	544	631	1,220	1,074	2,199	2,370
Non-interest income	250	358	123	234	236	318	146	216	181	608	554	911	806
Total	869	959	671	811	760	868	672	760	812	1,828	1,628	3,110	3,176
Trading revenue by product													
Interest rate and credit	498	375	298	408	397	470	366	416	431	873	867	1,573	1,796
Equities	241	397	247	275	234	258	207	236	239	638	492	1,014	895
Foreign exchange and commodities	130	187	126	128	129	140	99	108	142	317	269	523	485
Total	869	959	671	811	760	868	672	760	812	1,828	1,628	3,110	3,176
Trading revenue (teb) by product													
Interest rate and credit	498	375	298	408	397	470	366	416	431	873	867	1,573	1,796
Equities	329	484	330	360	313	329	279	311	325	813	642	1,332	1,221
Foreign exchange and commodities	130	187	126	128	129	140	99	108	142	317	269	523	485
Total (teb)	957	1,046	754	896	839	939	744	835	898	2,003	1,778	3,428	3,502
Trading revenue (teb) by product - Capital Markets													
Interest rate and credit	411	308	236	344	324	399	297	353	332	719	723	1,303	1,466
Equities	329	491	356	368	328	363	280	323	330	820	691	1,415	1,251
Foreign exchange and commodities	91	139	80	100	96	101	70	77	104	230	197	377	331
Total (teb)	831	938	672	812	748	863	647	753	766	1,769	1,611	3,095	3,048
Trading revenue (teb) - Investor & Treasury Services													
	69	73	57	44	47	58	40	41	79	142	105	206	249

NON-INTEREST EXPENSE (Millions of Canadian dollars) ¹	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Human resources													
Salaries	1,607	1,608	1,575	1,554	1,482	1,466	1,487	1,559	1,449	3,215	2,948	6,077	5,936
Variable compensation	1,430	1,388	1,433	1,442	1,338	1,384	1,323	1,342	1,277	2,818	2,722	5,597	5,203
Benefits and retention compensation	471	492	402	432	465	480	415	444	465	963	945	1,779	1,792
Stock-based compensation ²	114	155	19	93	39	172	74	88	98	269	211	323	399
Total Human resources	3,622	3,643	3,429	3,521	3,324	3,502	3,299	3,433	3,289	7,265	6,826	13,776	13,330
Equipment													
Depreciation	79	74	71	69	67	64	69	63	60	153	131	271	253
Computer rental and maintenance	360	351	344	341	314	304	300	293	277	711	618	1,303	1,161
Office equipment rental and maintenance	6	6	4	6	5	4	4	5	7	12	9	19	20
Total Equipment	445	431	419	416	386	372	373	361	344	876	758	1,593	1,434
Occupancy													
Premises rent	186	177	186	176	170	175	179	168	175	363	345	707	722
Premises repairs and maintenance	110	107	106	109	105	101	107	100	106	217	206	421	379
Depreciation	78	76	75	78	74	71	82	78	86	154	145	298	347
Property taxes	31	37	33	30	37	32	34	37	37	68	69	132	140
Total Occupancy	405	397	400	393	386	379	402	383	404	802	765	1,558	1,588
Communications													
Telecommunications	40	44	43	42	43	40	41	40	42	84	83	168	165
Postage and courier	56	51	47	41	58	57	52	51	58	107	115	203	217
Marketing and public relations	156	124	205	153	126	104	183	135	119	280	230	588	538
Stationery and printing	21	21	21	24	22	23	23	24	22	42	45	90	91
Total Communications	273	240	316	260	249	224	299	250	241	513	473	1,049	1,011
Professional fees	290	305	418	359	321	281	368	326	265	595	602	1,379	1,214
Amortization of other intangibles													
Computer software	223	214	203	199	191	188	184	181	174	437	379	781	706
Other	76	76	76	72	75	73	73	74	77	152	148	296	309
Total Amortization of other intangibles	299	290	279	271	266	261	257	255	251	589	527	1,077	1,015
Other													
Business and capital taxes	27	36	37	34	19	27	77	22	13	63	46	117	134
Travel and relocation	53	52	55	56	51	52	48	52	47	105	103	214	191
Employee training	15	13	19	18	14	11	16	15	13	28	25	62	55
Donations	26	25	37	24	20	20	42	18	18	51	40	101	94
Outsourced item processing	27	30	26	29	37	39	39	44	45	57	76	131	174
Impairment of other intangibles	1	3	5	1	-	-	-	2	-	4	-	6	2
Impairment of investments in joint ventures and associates	1	-	8	-	1	3	2	-	1	1	4	12	4
Other	432	447	434	476	408	440	389	376	400	879	848	1,758	1,548
Total Other	582	606	621	638	550	592	613	529	537	1,188	1,142	2,401	2,202
Total non-interest expense	5,916	5,912	5,882	5,858	5,482	5,611	5,611	5,537	5,331	11,828	11,093	22,833	21,794

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Stock-based compensation includes the cost of stock options, performance deferred shares, deferred compensation plans and the impact of related economic hedges.

PERSONAL & COMMERCIAL BANKING (Millions of Canadian dollars, except percentage amounts) ¹	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months		
Income Statement													
Net interest income	3,060	3,134	3,067	3,001	2,852	2,856	2,820	2,721	2,597	6,194	5,708	11,776	10,787
Non-interest income	1,273	1,284	1,297	1,283	1,251	1,309	1,199	1,249	1,201	2,557	2,560	5,140	5,076
Total revenue	4,333	4,418	4,364	4,284	4,103	4,165	4,019	3,970	3,798	8,751	8,268	16,916	15,863
PCL on performing assets ²	9	35	25	31	18	41				44	59	115	
PCL on impaired assets ²	363	313	292	308	282	276	270	273	262	676	558	1,158	1,054
Total PCL	372	348	317	339	300	317	270	273	262	720	617	1,273	1,054
Non-interest expense	1,887	1,915	1,987	1,910	1,828	1,801	1,872	1,826	1,709	3,802	3,629	7,526	7,176
Income taxes	525	584	522	525	516	526	473	472	467	1,109	1,042	2,089	1,878
Net income	1,549	1,571	1,538	1,510	1,459	1,521	1,404	1,399	1,360	3,120	2,980	6,028	5,755
Total revenue by business													
Personal Banking ³	3,124	3,150	3,153	3,090	2,971	3,023	2,891	2,879	2,746	6,274	5,994	12,237	11,520
Business Banking ³	975	1,020	979	950	900	904	875	850	812	1,995	1,804	3,733	3,357
Canadian Banking	4,099	4,170	4,132	4,040	3,871	3,927	3,766	3,729	3,558	8,269	7,798	15,970	14,877
Caribbean & U.S. Banking	234	248	232	244	232	238	253	241	240	482	470	946	986
Total	4,333	4,418	4,364	4,284	4,103	4,165	4,019	3,970	3,798	8,751	8,268	16,916	15,863
Financial ratios													
ROE ⁴	27.2%	26.6%	26.7%	27.2%	27.8%	28.6%	26.7%	26.6%	28.0%	26.9%	28.2%	27.6%	28.3%
NIM (average earning assets, net)	2.85%	2.84%	2.82%	2.80%	2.79%	2.73%	2.71%	2.66%	2.67%	2.85%	2.76%	2.78%	2.68%
Efficiency ratio	43.5%	43.3%	45.5%	44.6%	44.6%	43.2%	46.6%	46.0%	45.0%	43.4%	43.9%	44.5%	45.2%
Operating leverage	2.4%	(0.2)%	2.5%	3.3%	1.0%	0.4%	2.4%	(0.4)%	0.2%	1.0%	0.7%	1.7%	2.2%
Average balances													
Total assets	461,000	457,300	451,100	445,600	438,600	434,500	430,100	423,700	417,300	459,100	436,500	442,500	421,100
Earning assets, net	440,300	437,100	431,500	425,900	419,200	415,600	412,200	405,700	398,900	438,700	417,400	423,100	403,100
Loans and acceptances, net	441,900	438,100	432,200	426,500	419,900	416,000	412,000	405,200	398,200	440,000	417,900	423,700	402,500
Deposits	389,000	382,200	368,700	363,100	357,900	357,000	352,100	346,400	342,400	385,500	357,500	361,700	344,400
Attributed capital	23,000	23,050	22,450	21,700	21,200	20,750	20,500	20,500	19,550	23,000	20,950	21,500	20,000
Risk capital	18,400	18,450	17,850	17,100	16,600	16,200	15,950	15,850	14,850	18,450	16,400	16,950	15,300
Credit quality													
Gross impaired loans (GIL) / Related loans and acceptances	0.40%	0.37%	0.37%	0.38%	0.41%	0.41%	0.36%	0.37%	0.39%	0.40%	0.41%	0.37%	0.36%
PCL on performing loans (IFRS 9 - Stage 1 and 2) / Average net loans and acceptance ⁵	0.02%	0.03%	0.02%	0.06%	0.02%	0.04%				0.03%	0.03%	0.03%	
PCL on impaired loans (IFRS 9 - Stage 3) / Average net loans and acceptances ⁶	0.34%	0.28%	0.25%	0.25%	0.28%	0.26%	0.26%	0.27%	0.27%	0.31%	0.27%	0.26%	0.26%
Net write-offs / Average net loans and acceptances	0.27%	0.23%	0.26%	0.26%	0.25%	0.23%	0.24%	0.25%	0.27%	0.25%	0.24%	0.25%	0.25%
Business information													
Assets under administration (AUA) ⁷	283,300	268,500	266,500	276,700	269,100	270,800	264,800	252,500	258,100	283,300	269,100	266,500	264,800
Assets under management (AUM)	4,900	4,600	4,700	4,700	4,600	4,400	4,600	4,400	4,800	4,900	4,600	4,700	4,600
Number of employees (full-time equivalent)	35,510	35,627	35,573	35,743	34,792	34,749	34,601	34,934	34,593	35,510	34,792	35,573	34,601
Other earnings measures													
Net income	1,549	1,571	1,538	1,510	1,459	1,521	1,404	1,399	1,360	3,120	2,980	6,028	5,755
NCI	(3)	(2)	(4)	(1)	(1)	(2)	1	(4)	1	(5)	(3)	(8)	(5)
Add: After-tax effect of amortization of other intangibles	2	3	4	2	3	3	2	3	3	5	6	12	11
Adjusted net income	1,548	1,572	1,538	1,511	1,461	1,522	1,407	1,398	1,364	3,120	2,983	6,032	5,761
Less: Capital charge	497	516	503	487	461	467	462	463	429	1,013	928	1,918	1,791
Economic profit ⁸	1,051	1,056	1,035	1,024	1,000	1,055	945	935	935	2,107	2,055	4,114	3,970

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² PCL on performing assets represents Stage 1 and 2 PCL on all performing assets under IFRS 9, except those classified or designated as FVTPL and equity securities designated as FVOCI. Prior to the adoption of IFRS 9, PCL on performing assets represents PCL for loans not yet identified as impaired and was included in Corporate Support. PCL on impaired assets represents Stage 3 PCL under IFRS 9 and PCL on impaired loans under IAS 39. Stage 3 PCL under IFRS 9 is comprised of lifetime credit losses of all credit-impaired financial assets, except those classified or designated as FVTPL and equity securities designated as FVOCI.

³ In Q1/18, the lines of business within Canadian Banking have been realigned. Prior period amounts have been revised from Personal Financial Services and Cards and Payment Solutions to Personal Banking and Business Financial Services to Business Banking.

⁴ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

⁵ PCL on performing loans ratio under IFRS 9 is calculated using PCL on Stage 1 and 2 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39 and prior to November 1, 2017, PCL on loans not yet identified as impaired was included in Corporate Support.

⁶ PCL on impaired loans ratio under IFRS 9 is calculated using PCL on Stage 3 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

⁷ AUA represents period-end spot balances and includes securitized residential mortgages and credit card loans as at April 30, 2019 of \$16.2 billion and \$8.3 billion, respectively (January 31, 2019 - \$16.6 billion and \$8.5 billion; April 30, 2018 - \$17.8 billion and \$9.1 billion).

⁸ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

CANADIAN BANKING		Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
(Millions of Canadian dollars, except percentage amounts) ¹											6 months	6 months		
Income Statement														
Net interest income		2,883	2,946	2,894	2,825	2,691	2,698	2,644	2,561	2,435	5,829	5,389	11,108	10,128
Non-interest income		1,216	1,224	1,238	1,215	1,180	1,229	1,122	1,168	1,123	2,440	2,409	4,862	4,749
Total revenue		4,099	4,170	4,132	4,040	3,871	3,927	3,766	3,729	3,558	8,269	7,798	15,970	14,877
PCL on performing assets ²		37	49	73	57	30	34				86	64	194	
PCL on impaired assets ²		363	292	279	260	261	268	251	259	256	655	529	1,068	1,016
Total PCL		400	341	352	317	291	302	251	259	256	741	593	1,262	1,016
Non-interest expense		1,720	1,733	1,809	1,706	1,650	1,629	1,685	1,651	1,527	3,453	3,279	6,794	6,423
Income taxes		519	552	508	526	504	516	470	470	459	1,071	1,020	2,054	1,867
Net income		1,460	1,544	1,463	1,491	1,426	1,480	1,360	1,349	1,316	3,004	2,906	5,860	5,571
Total revenue by business														
Personal Banking ³		3,124	3,150	3,153	3,090	2,971	3,023	2,891	2,879	2,746	6,274	5,994	12,237	11,520
Business Banking ³		975	1,020	979	950	900	904	875	850	812	1,995	1,804	3,733	3,357
Total		4,099	4,170	4,132	4,040	3,871	3,927	3,766	3,729	3,558	8,269	7,798	15,970	14,877
Financial ratios														
ROE ⁴		29.7%	30.4%	29.6%	31.4%	32.0%	32.8%	30.7%	30.6%	32.9%	30.1%	32.4%	31.4%	32.9%
NIM (average earning assets, net)		2.80%	2.79%	2.77%	2.74%	2.74%	2.68%	2.65%	2.61%	2.62%	2.79%	2.71%	2.73%	2.62%
Efficiency ratio		42.0%	41.6%	43.8%	42.2%	42.6%	41.5%	44.7%	44.3%	42.9%	41.8%	42.0%	42.5%	43.2%
Operating leverage		1.7%	(0.2)%	2.3%	5.0%	0.7%	(1.7)%	1.5%	(1.5)%	0.6%	0.7%	(0.6)%	1.5%	2.4%
Average balances														
Total assets		437,900	434,100	428,400	422,800	416,200	412,500	408,200	401,200	393,900	436,000	414,300	420,000	398,500
Earning assets, net		422,600	419,100	414,100	408,800	402,500	399,200	395,500	388,600	381,400	420,800	400,800	406,200	386,000
Loans and acceptances, net ⁵		432,800	428,800	423,200	417,600	411,100	407,300	403,100	396,100	388,800	430,700	409,100	414,800	393,400
Residential mortgages ⁵		252,600	250,200	246,900	243,100	240,100	238,500	235,200	229,600	225,600	251,400	239,400	242,200	228,600
Home equity lines of credit (HELOC) ⁵		39,500	39,800	40,200	40,300	40,300	40,700	41,100	41,500	40,800	39,700	40,500	40,400	41,000
Other personal ^{5,6}		40,200	40,400	40,500	40,000	39,800	39,700	39,500	39,500	39,400	40,200	39,700	39,900	39,500
Total personal ⁵		79,700	80,200	80,700	80,300	80,100	80,400	80,600	81,000	80,200	79,900	80,200	80,300	80,500
Credit cards ⁵		18,600	19,000	18,700	18,400	17,600	17,400	17,400	17,100	16,400	18,800	17,700	18,100	17,000
Small business ⁵		5,100	4,700	4,800	4,700	4,600	4,500	4,400	4,400	3,800	4,900	4,500	4,700	4,100
Total retail		356,000	354,100	351,100	346,500	342,400	341,200	337,600	332,100	326,000	355,000	341,800	345,300	330,200
Wholesale loans and acceptances ⁵		78,900	76,700	74,100	72,900	70,500	67,900	65,500	64,000	62,800	77,800	69,100	71,400	63,200
Personal deposits		209,600	202,800	196,100	193,400	191,700	190,900	188,800	185,200	182,900	206,100	191,300	193,000	184,600
Business deposits		160,700	160,700	154,400	151,300	147,800	147,900	145,500	143,000	140,400	160,700	147,800	150,400	141,500
Attributed capital		19,900	19,850	19,350	18,600	18,050	17,650	17,350	17,200	16,150	19,900	17,850	18,400	16,700
Risk capital		17,150	17,100	16,600	15,800	15,250	14,850	14,500	14,400	13,300	17,150	15,050	15,600	13,850
Credit quality														
GIL / Related loans and acceptances		0.29%	0.26%	0.26%	0.26%	0.29%	0.29%	0.24%	0.25%	0.25%	0.29%	0.29%	0.26%	0.24%
PCL on performing loans (IFRS 9 - Stage 1 and 2) / Average net loans and acceptances ⁷		0.04%	0.05%	0.07%	0.05%	0.03%	0.03%				0.04%	0.03%	0.04%	
PCL on impaired loans (IFRS 9 - Stage 3) / Average net loans and acceptances ⁸		0.34%	0.27%	0.26%	0.25%	0.26%	0.26%	0.25%	0.26%	0.27%	0.31%	0.26%	0.26%	0.26%
Net write-offs / Average net loans and acceptances		0.26%	0.24%	0.25%	0.26%	0.25%	0.23%	0.23%	0.24%	0.26%	0.25%	0.24%	0.25%	0.25%
Business information														
AUA ⁹		276,100	261,500	258,800	268,600	260,800	262,900	256,400	244,400	249,200	276,100	260,800	258,800	256,400
Number of employees (full-time equivalent)		32,800	32,924	32,866	33,038	32,020	31,909	31,730	32,042	31,689	32,800	32,020	32,866	31,730
Other earnings measures														
Net income		1,460	1,544	1,463	1,491	1,426	1,480	1,360	1,349	1,316	3,004	2,906	5,860	5,571
Add: After-tax effect of amortization of other intangibles		3	3	2	3	3	3	2	4	2	6	6	11	11
Adjusted net income		1,463	1,547	1,465	1,494	1,429	1,483	1,362	1,353	1,318	3,010	2,912	5,871	5,582
Less: Capital charge		430	446	434	418	393	397	390	390	353	876	790	1,642	1,495
Economic profit ¹⁰		1,033	1,101	1,031	1,076	1,036	1,086	972	963	965	2,134	2,122	4,229	4,087

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² PCL on performing assets represents Stage 1 and 2 PCL on all performing assets under IFRS 9, except those classified or designated as FVTPL and equity securities designated as FVOCI. Prior to the adoption of IFRS 9, PCL on performing assets represents PCL for loans not yet identified as impaired and was included in Corporate Support. PCL on impaired assets represents Stage 3 PCL under IFRS 9 and PCL on impaired loans under IAS 39. Stage 3 PCL under IFRS 9 is comprised of lifetime credit losses of all credit-impaired financial assets, except those classified or designated as FVTPL and equity securities designated as FVOCI.

³ In Q1/18, the lines of business within Canadian Banking were realigned. Prior period amounts have been revised from Personal Financial Services and Cards and Payment Solutions to Personal Banking and Business Financial Services to Business Banking.

⁴ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

⁵ Average loans and acceptances, net are reported net of allowance for credit losses (ACL). All other average balances are reported on a gross basis (before deducting ACL).

⁶ As at Q2/19, average personal secured loans was \$19.1 billion and average personal unsecured loans was \$21.1 billion. The loans are secured by securities, residential real estate, automotive assets and government guarantees.

⁷ PCL on performing loans ratio under IFRS 9 is calculated using PCL on Stage 1 and 2 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39 and prior to November 1, 2017, PCL on loans not yet identified as impaired was included in Corporate Support.

⁸ PCL on impaired loans ratio under IFRS 9 is calculated using PCL on Stage 3 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

⁹ AUA represents period-end spot balances and includes securitized residential mortgages and credit card loans as at April 30, 2019 of \$16.2 billion and \$8.3 billion, respectively (January 31, 2019 - \$16.6 billion and \$8.5 billion; April 30, 2018 - \$17.8 billion and \$9.1 billion).

¹⁰ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

WEALTH MANAGEMENT (Millions of Canadian dollars, except percentage amounts) ¹	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months		
Income Statement													
Net interest income	731	744	679	679	632	612	583	578	546	1,475	1,244	2,602	2,248
Fee-based revenue	1,663	1,714	1,662	1,626	1,570	1,589	1,485	1,484	1,425	3,377	3,159	6,447	5,799
Transaction and other revenue	499	478	455	455	447	516	457	449	468	977	963	1,873	1,866
U.S. wealth accumulation plans gains/(losses) ²	86	12	(56)	38	(44)	66	37	36	42	98	22	4	162
Total revenue	2,979	2,948	2,740	2,798	2,605	2,783	2,562	2,547	2,481	5,927	5,388	10,926	10,075
PCL on performing assets ³	13	15	(3)	12	(21)	(7)	-	6	15	28	(28)	(19)	34
PCL on impaired assets ³	17	11	7	(9)	1	5	-	6	15	28	6	4	34
Total PCL	30	26	4	3	(20)	(2)	-	6	15	56	(22)	(15)	34
Non-interest expense	2,127	2,155	2,108	2,023	1,972	1,951	1,868	1,877	1,853	4,282	3,923	8,054	7,466
U.S. wealth accumulation plans (gains)/losses ²	77	9	(47)	36	(33)	60	33	32	39	86	27	16	145
Income taxes	160	161	122	158	149	177	170	146	143	321	326	606	592
Net income	585	597	553	578	537	597	491	486	431	1,182	1,134	2,265	1,838
Total revenue by business													
Canadian Wealth Management	808	842	796	761	742	749	717	693	692	1,650	1,491	3,048	2,815
U.S. Wealth Management (including City National)	1,539	1,471	1,345	1,435	1,255	1,384	1,252	1,251	1,205	3,010	2,639	5,419	4,891
Global Asset Management	538	543	513	507	516	556	508	507	486	1,081	1,072	2,092	1,994
International Wealth Management	94	92	86	95	92	94	85	96	98	186	186	367	375
Total	2,979	2,948	2,740	2,798	2,605	2,783	2,562	2,547	2,481	5,927	5,388	10,926	10,075
Financial ratios													
ROE ⁴	16.5%	16.4%	15.9%	16.4%	15.8%	17.3%	14.2%	13.9%	12.4%	16.5%	16.5%	16.3%	13.2%
NIM (average earning assets, net)	3.66%	3.67%	3.49%	3.56%	3.47%	3.27%	3.13%	3.14%	2.99%	3.66%	3.37%	3.45%	3.02%
Pre-tax margin	25.0%	25.7%	24.6%	26.3%	26.3%	27.8%	25.8%	24.8%	23.1%	25.4%	27.1%	26.3%	24.1%
Average balances													
Total assets	96,000	94,300	91,300	89,900	89,000	88,200	86,800	86,400	89,000	95,200	88,600	89,600	88,100
Earning assets, net	81,900	80,500	77,100	75,700	74,800	74,300	73,900	73,100	74,800	81,200	74,500	75,500	74,500
Loans and acceptances, net ⁵	62,200	61,200	57,800	57,000	54,800	52,500	51,600	51,500	52,000	61,700	53,600	55,500	51,500
Retail loans ⁵	25,800	25,300	24,200	23,700	22,600	22,000	21,800	21,600	21,700	25,500	22,300	23,100	21,600
Wholesale loans and acceptances ⁵	36,600	36,100	33,800	33,600	32,400	30,700	29,800	29,900	30,300	36,400	31,500	32,600	29,900
Deposits	93,000	94,300	91,800	91,700	93,000	92,600	90,900	91,800	94,800	93,600	92,800	92,300	93,100
Attributed capital	14,200	14,050	13,500	13,600	13,600	13,400	13,300	13,450	13,700	14,150	13,500	13,500	13,450
Risk capital	6,750	6,550	6,150	6,250	6,200	6,100	6,000	5,900	5,950	6,650	6,150	6,150	5,900
Credit quality													
GIL / Related loans and acceptances ⁶	0.38%	0.37%	0.34%	0.34%	0.41%	0.52%	1.04%	1.17%	1.36%	0.38%	0.41%	0.34%	1.04%
GIL on acquired credit impaired loans / Related loans and acceptances	0.02%	0.03%	0.03%	0.03%	0.04%	0.05%	0.48%	0.52%	0.64%	0.02%	0.04%	0.03%	0.48%
PCL on performing loans (IFRS 9 - Stage 1 and 2) / Average net loans and acceptances ⁷	0.08%	0.10%	(0.01)%	0.08%	(0.16)%	(0.05)%	-	-	-	0.09%	(0.10)%	(0.04)%	-
PCL on impaired loans (IFRS 9 - Stage 3) / Average net loans and acceptances ⁸	0.12%	0.07%	0.04%	(0.06)%	0.01%	0.04%	0.00%	0.04%	0.12%	0.09%	0.02%	0.01%	0.07%
Net write-offs / Average net loans and acceptances	0.11%	0.16%	0.00%	0.04%	0.07%	0.00%	0.08%	(0.02)%	0.01%	0.14%	0.03%	0.03%	0.03%

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Gains (losses) on investments in mutual funds and corporate-owned life insurance policies used as economic hedges are included in revenue and related variability is included in market-linked compensation expense in our U.S. wealth accumulation plans.

³ PCL on performing assets represents Stage 1 and 2 PCL on all performing assets under IFRS 9, except those classified or designated as FVTPL and equity securities designated as FVOCI. Prior to the adoption of IFRS 9, PCL on performing assets represents PCL for loans not yet identified as impaired and was included in Corporate Support. PCL on impaired assets represents Stage 3 PCL under IFRS 9 and PCL on impaired loans under IAS 39. Stage 3 PCL under IFRS 9 is comprised of lifetime credit losses of all credit-impaired financial assets, except those classified or designated as FVTPL and equity securities designated as FVOCI.

⁴ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

⁵ Average total loans and acceptances are reported net of ACL. Average retail and wholesale loans and acceptance balances are reported on a gross basis (before deducting ACL).

⁶ Effective November 1, 2017, GIL excludes \$229 million of acquired credit-impaired loans related to our acquisition of City National that have returned to performing status.

⁷ PCL on performing loans ratio under IFRS 9 is calculated using PCL on Stage 1 and 2 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39 and prior to November 1, 2017, PCL on loans not yet identified as impaired was included in Corporate Support.

⁸ PCL on impaired loans and acceptances ratio under IFRS 9 is calculated using PCL on Stage 3 loan and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

WEALTH MANAGEMENT <i>continued</i>	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
(Millions of Canadian dollars, except percentage amounts) ¹										6 months	6 months		
Business information													
AUA													
Canadian Wealth Management	399,300	376,500	368,900	378,300	364,800	365,900	359,600	343,600	349,800	399,300	364,800	368,900	359,600
U.S. Wealth Management (including City National)	537,200	496,500	483,000	487,900	458,500	453,000	442,700	412,300	427,100	537,200	458,500	483,000	442,700
Global Asset Management	6,100	5,800	5,800	6,800	6,600	6,600	6,600	6,400	6,500	6,100	6,600	5,800	6,600
International Wealth Management	108,300	102,600	112,800	112,800	114,700	113,300	120,300	111,600	147,800	108,300	114,700	112,800	120,300
Total	1,050,900	981,400	970,500	985,800	944,600	938,800	929,200	873,900	931,200	1,050,900	944,600	970,500	929,200
AUM													
Canadian Wealth Management	111,500	103,200	100,200	101,700	96,000	94,700	90,400	85,300	84,200	111,500	96,000	100,200	90,400
U.S. Wealth Management (including City National)	152,000	140,900	135,300	134,900	126,000	122,500	119,100	108,100	113,100	152,000	126,000	135,300	119,100
Global Asset Management	454,000	429,600	421,100	435,300	424,500	424,800	415,200	393,100	401,800	454,000	424,500	421,100	415,200
International Wealth Management	9,100	8,300	8,300	8,600	8,500	9,000	9,400	9,200	9,600	9,100	8,500	8,300	9,400
Total	726,600	682,000	664,900	680,500	655,000	651,000	634,100	595,700	608,700	726,600	655,000	664,900	634,100
Number of employees (full-time equivalent)	18,284	18,187	17,975	17,807	17,313	17,092	16,946	16,947	16,597	18,284	17,313	17,975	16,946
Other earnings measures													
Net income	585	597	553	578	537	597	491	486	431	1,182	1,134	2,265	1,838
NCI	-	-	-	-	-	-	-	-	-	-	-	-	-
Add: After-tax effect of amortization of other intangibles	51	49	49	48	50	46	42	44	44	100	96	193	179
Adjusted net income	636	646	602	626	587	643	533	530	475	1,282	1,230	2,458	2,017
Less: Capital charge	307	315	303	305	296	301	299	304	300	622	597	1,205	1,206
Economic profit ²	329	331	299	321	291	342	234	226	175	660	633	1,253	811
(Millions of U.S. dollars)													
U.S. Wealth Management (including City National)													
Revenue	1,155	1,103	1,031	1,101	977	1,100	992	963	899	2,258	2,077	4,209	3,744
AUA	400,900	378,000	367,100	375,200	357,300	368,100	343,200	330,500	312,900	400,900	357,300	367,100	343,200

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

INSURANCE (Millions of Canadian dollars, except percentage amounts)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Income Statement													
Net earned premiums ¹	964	1,162	1,222	1,047	824	939	1,166	1,081	879	2,126	1,763	4,032	3,875
Investment income ²	515	381	(230)	181	(87)	166	399	(120)	527	896	79	30	453
Fee income	36	36	47	62	69	39	47	48	42	72	108	217	238
Total revenue	1,515	1,579	1,039	1,290	806	1,144	1,612	1,009	1,448	3,094	1,950	4,279	4,566
PBCAE	1,160	1,225	494	925	421	836	1,137	643	1,090	2,385	1,257	2,676	3,053
PCL	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-interest expense	150	154	159	153	148	142	157	147	140	304	290	602	584
Income taxes	51	34	68	54	65	39	53	58	52	85	104	226	203
Net income	154	166	318	158	172	127	265	161	166	320	299	775	726
Total revenue by business													
Canadian Insurance	1,004	1,039	536	746	310	621	1,098	473	978	2,043	931	2,213	2,569
International Insurance	511	540	503	544	496	523	514	536	470	1,051	1,019	2,066	1,997
Total	1,515	1,579	1,039	1,290	806	1,144	1,612	1,009	1,448	3,094	1,950	4,279	4,566
Financial ratios													
ROE ³	32.4%	34.7%	57.2%	32.1%	36.3%	28.2%	52.3%	37.0%	41.5%	33.5%	32.3%	39.3%	41.8%
Average balances													
Total assets	17,300	16,400	16,200	16,000	15,600	15,400	14,700	14,700	13,900	16,800	15,500	15,800	14,300
Attributed capital	1,950	1,900	2,200	1,950	1,950	1,750	2,000	1,700	1,600	1,900	1,850	1,950	1,700
Risk capital	1,750	1,700	2,000	1,750	1,750	1,600	1,800	1,550	1,450	1,700	1,650	1,750	1,550
Additional information													
Premiums and deposits ^{1,4}	1,106	1,314	1,374	1,197	981	1,095	1,302	1,233	1,008	2,420	2,076	4,647	4,546
Canadian Insurance	579	751	872	663	466	583	794	718	511	1,330	1,049	2,584	2,496
International Insurance	527	563	502	534	515	512	508	515	497	1,090	1,027	2,063	2,050
Fair value changes on investments backing policyholder liabilities ⁵	383	247	(342)	55	(174)	26	279	(225)	369	630	(148)	(435)	(58)
PBCAE													
Insurance policyholder benefits and claims	1,077	1,129	416	856	351	768	1,063	573	1,021	2,206	1,119	2,391	2,787
Insurance policyholder acquisition expense	83	96	78	69	70	68	74	70	69	179	138	285	266
Insurance claims and policy benefit liabilities	11,006	10,512	10,000	10,105	9,763	9,977	9,676	9,331	9,262	11,006	9,763	10,000	9,676
Business information													
AUM	1,600	1,400	1,400	1,400	1,300	1,300	1,200	1,100	1,100	1,600	1,300	1,400	1,200
Number of employees (full-time equivalent)	2,973	2,946	2,964	3,014	2,837	2,756	2,691	2,716	2,663	2,973	2,837	2,964	2,691
Other earnings measures													
Net income	154	166	318	158	172	127	265	161	166	320	299	775	726
NCI	-	-	-	-	-	-	-	-	-	-	-	-	-
Add: After-tax effect of amortization of other intangibles	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjusted net income	154	166	318	158	172	127	265	161	166	320	299	775	726
Less: Capital charge	42	42	50	43	41	40	45	39	35	84	81	174	154
Economic profit ⁶	112	124	268	115	131	87	220	122	131	236	218	601	572

¹ Premiums and deposits equals net earned premiums excluding the cost of premiums to other institutions for reinsurance coverage, plus segregated fund deposits.

² Investment income can experience volatility arising from fluctuation in the FVTPL assets. The investments that support actuarial liabilities are predominantly fixed income assets designated as at FVTPL and consequently changes in fair value of these assets are recorded in Insurance premiums, investment and fee income in the consolidated statements of income. Changes in fair value of these assets are largely offset by changes in the fair value of the actuarial liabilities, the impact of which is reflected in insurance policyholder benefits and claims.

³ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

⁴ Premiums and deposits include premiums on risk-based insurance and annuity products, and individual and group segregated fund deposits, consistent with insurance industry practices.

⁵ The revenue impact of the change in fair value on investments backing policyholder liabilities is reflected in Insurance premiums, investment and fee income and largely offset in PBCAE.

⁶ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

INVESTOR & TREASURY SERVICES (Millions of Canadian dollars, except percentage amounts)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Income Statement													
Net interest income	(34)	(31)	19	32	118	128	128	141	173	(65)	246	297	679
Non-interest income	621	662	605	588	553	548	474	453	435	1,283	1,101	2,294	1,756
Total revenue	587	631	624	620	671	676	602	594	608	1,218	1,347	2,591	2,435
PCL	-	-	-	1	-	-	-	-	-	-	-	1	-
Non-interest expense	388	418	421	416	391	389	397	364	355	806	780	1,617	1,466
Income taxes	48	52	48	48	68	68	49	52	60	100	136	232	228
Net income	151	161	155	155	212	219	156	178	193	312	431	741	741
Financial ratios													
ROE ¹	17.4%	17.3%	19.2%	19.8%	28.1%	26.9%	19.2%	21.9%	24.6%	17.3%	27.5%	23.5%	22.7%
Average balances													
Total assets	143,600	143,800	133,300	130,400	131,500	132,900	138,400	138,700	133,100	143,700	132,200	132,100	138,100
Trading securities	25,100	29,300	26,900	26,800	27,400	31,000	34,700	37,200	38,000	27,200	29,200	28,000	38,300
Loans and acceptances, net	4,800	4,100	3,700	3,300	2,900	2,600	2,300	2,200	2,000	4,400	2,800	3,100	2,100
Deposits	173,900	171,900	163,600	162,500	163,600	155,300	142,600	132,000	127,900	172,900	159,400	161,200	132,800
Client deposits	58,200	59,200	59,200	60,200	58,200	56,900	56,600	55,600	52,900	58,700	57,500	58,600	54,400
Wholesale funding deposits	115,700	112,700	104,400	102,300	105,400	98,400	86,000	76,400	75,000	114,200	101,900	102,600	78,400
Attributed capital	3,500	3,600	3,150	3,050	3,050	3,150	3,150	3,150	3,150	3,550	3,100	3,100	3,200
Risk capital	2,900	3,000	2,550	2,500	2,500	2,650	2,650	2,650	2,650	2,950	2,600	2,550	2,700
Business information													
AUA	4,307,800	4,100,900	4,283,100	4,210,600	4,439,800	4,431,800	4,266,600	4,251,300	4,111,400	4,307,800	4,439,800	4,283,100	4,266,600
Number of employees (full-time equivalent)	4,804	4,877	4,846	4,814	4,765	4,744	4,771	4,783	4,751	4,804	4,765	4,846	4,771
Other earnings measures													
Net income (loss)	151	161	155	155	212	219	156	178	193	312	431	741	741
NCI	-	-	-	-	(1)	-	-	-	(1)	-	(1)	(1)	(1)
Add: After-tax effect of amortization of other intangibles and goodwill impairment	3	2	4	2	5	3	4	3	4	5	8	14	15
Adjusted net income	154	163	159	157	216	222	160	181	196	317	438	754	755
Less: Capital charge	76	81	70	68	67	71	72	70	69	157	138	276	286
Economic profit (loss) ²	78	82	89	89	149	151	88	111	127	160	300	478	469

¹ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

² This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

CAPITAL MARKETS (Millions of Canadian dollars, except percentage amounts)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Income Statement													
Net interest income (teb)	1,057	1,006	947	913	841	866	851	845	922	2,063	1,707	3,567	3,565
Non-interest income (teb)	1,112	1,092	1,109	1,244	1,169	1,309	1,103	1,195	1,195	2,204	2,478	4,831	4,617
Total revenue (teb)	2,169	2,098	2,056	2,157	2,010	2,175	1,954	2,040	2,117	4,267	4,185	8,398	8,182
PCL on performing assets ¹	(23)	38	17	16	(21)	(25)				15	(46)	(13)	
PCL on impaired assets ¹	48	102	15	(13)	14	45	(38)	44	24	150	59	61	62
Total PCL	25	140	32	3	(7)	20	(38)	44	24	165	13	48	62
Non-interest expense	1,289	1,230	1,244	1,312	1,190	1,214	1,222	1,199	1,173	2,519	2,404	4,960	4,719
Income taxes	79	75	114	144	162	193	186	186	252	154	355	613	876
Net income	776	653	666	698	665	748	584	611	668	1,429	1,413	2,777	2,525
Total revenue by business													
Corporate and Investment Banking	969	927	1,087	1,065	967	994	1,049	995	1,020	1,896	1,961	4,113	4,000
Global Markets	1,235	1,227	1,035	1,148	1,092	1,221	976	1,134	1,162	2,462	2,313	4,496	4,466
Other	(35)	(56)	(66)	(56)	(49)	(40)	(71)	(89)	(65)	(91)	(89)	(211)	(284)
Total	2,169	2,098	2,056	2,157	2,010	2,175	1,954	2,040	2,117	4,267	4,185	8,398	8,182
Financial ratios													
ROE ²	13.6%	10.8%	11.8%	12.3%	13.4%	14.7%	12.4%	11.9%	14.2%	12.2%	14.1%	13.0%	12.9%
Total compensation to revenue ³	38.1%	36.9%	37.4%	38.2%	37.0%	36.4%	37.0%	38.0%	35.4%	37.5%	36.7%	37.2%	36.6%
Average balances													
Total assets	648,900	643,700	591,700	579,400	563,700	570,200	490,600	494,000	499,600	646,200	567,000	576,300	494,400
Trading securities	101,200	102,100	88,000	95,600	98,900	100,800	86,500	86,800	95,000	101,700	99,900	95,800	91,800
Loans and acceptances, net	101,800	98,400	90,700	85,000	82,800	81,400	83,000	83,100	83,600	100,000	82,100	85,000	83,400
Deposits	79,100	79,000	74,600	73,000	71,000	64,900	62,800	59,500	59,900	79,100	67,900	70,800	60,200
Attributed capital	22,800	23,150	21,650	21,700	19,700	19,650	18,050	19,550	18,700	23,000	19,650	20,700	18,850
Risk capital	21,100	21,450	20,050	20,100	18,150	18,150	16,600	18,200	17,650	21,300	18,150	19,100	17,600
Credit quality													
GIL / Related loans and acceptances	0.99%	0.90%	0.41%	0.57%	0.80%	0.67%	0.63%	0.94%	1.18%	0.99%	0.80%	0.41%	0.63%
PCL on performing loans (IFRS 9 - Stage 1 and 2) / Average net loans and acceptances ⁴	(0.08)%	0.17%	0.07%	0.08%	(0.12)%	(0.10)%				0.04%	(0.11)%	(0.01)%	
PCL on impaired loans (IFRS 9 - Stage 3) / Average net loans and acceptances ⁵	0.19%	0.41%	0.07%	(0.06)%	0.07%	0.22%	(0.18)%	0.21%	0.12%	0.30%	0.15%	0.07%	0.07%
Net write-offs / Average net loans and acceptances	0.45%	0.08%	0.08%	0.09%	(0.02)%	0.04%	0.23%	0.06%	0.12%	0.27%	0.01%	0.05%	0.09%
Business information													
AUA	13,600	13,100	13,600	13,100	12,900	12,100	12,700	12,300	13,800	13,600	12,900	13,600	12,700
Number of employees (full-time equivalent)	4,130	4,143	4,162	4,411	3,936	3,917	3,970	4,188	3,758	4,130	3,936	4,162	3,970
Other earnings measures													
Net income	776	653	666	698	665	748	584	611	668	1,429	1,413	2,777	2,525
NCI	-	-	-	-	-	-	-	-	-	-	-	-	-
Add: After-tax effect of amortization of other intangibles	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjusted net income	776	653	666	698	665	748	584	611	668	1,429	1,413	2,777	2,525
Less: Capital charge	493	519	487	487	429	442	407	441	410	1,012	871	1,845	1,690
Economic profit (loss) ⁶	283	134	179	211	236	306	177	170	258	417	542	932	835

¹ PCL on performing assets represents Stage 1 and 2 PCL on all performing assets under IFRS 9, except those classified or designated as FVTPL and equity securities designated as FVOCI. Prior to the adoption of IFRS 9, PCL on performing assets represents PCL for loans not yet identified as impaired and was included in Corporate Support. PCL on impaired assets represents Stage 3 PCL under IFRS 9 and PCL on impaired loans under IAS 39. Stage 3 PCL under IFRS 9 is comprised of lifetime credit losses of all credit-impaired financial assets, except those classified or designated as FVTPL and equity securities designated as FVOCI.

² This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

³ Total compensation to revenue ratio is calculated as total human resources non-interest expense / total revenue (teb) for Front Office personnel and for functional support teams (Technology, Operations, and Functions). Total human resources non-interest expense includes salary, benefits, stock based compensation, severance, retention costs, and variable compensation.

⁴ PCL on performing loans ratio under IFRS 9 is calculated using PCL on Stage 1 and 2 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39 and prior to November 1, 2017, PCL on loans not yet identified as impaired was included in Corporate Support.

⁵ PCL on impaired loans and acceptances ratio under IFRS 9 is calculated using PCL on Stage 3 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

⁶ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

CORPORATE SUPPORT (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Income Statement													
Net interest income (teb)	23	31	17	(29)	(22)	(17)	(21)	(28)	(40)	54	(39)	(51)	(139)
Non-interest income (teb)	(107)	(116)	(171)	(95)	(119)	(98)	(205)	(44)	-	(223)	(217)	(483)	(313)
Total revenue (teb)	(84)	(85)	(154)	(124)	(141)	(115)	(226)	(72)	(40)	(169)	(256)	(534)	(452)
PCL	(1)	-	-	-	1	(1)	2	(3)	1	(1)	-	-	-
Non-interest expense	(2)	31	10	8	(14)	54	62	92	62	29	40	58	238
Income taxes	(96)	(140)	(184)	(142)	(143)	32	(227)	(122)	(94)	(236)	(111)	(437)	(574)
Net income (loss)	15	24	20	10	15	(200)	(63)	(39)	(9)	39	(185)	(155)	(116)
Additional information													
teb adjustment	(120)	(107)	(142)	(157)	(151)	(92)	(225)	(107)	(97)	(227)	(243)	(542)	(548)
Average balances													
Total assets	40,300	42,000	41,300	39,500	38,300	35,500	35,000	31,300	28,100	41,200	36,900	38,600	30,600
Attributed capital	8,550	7,800	8,750	7,650	7,950	8,150	8,900	7,400	8,100	8,200	8,100	8,150	8,100
Other earnings measures													
Net income (loss)	15	24	20	10	15	(200)	(63)	(39)	(9)	39	(185)	(155)	(116)
NCI	(1)	-	1	(7)	(7)	(9)	(9)	(9)	(8)	(1)	(16)	(22)	(35)
Add: After-tax effect of amortization of other intangibles	-	-	(2)	3	(3)	2	1	-	-	-	(1)	-	1
Adjusted net (loss) income	14	24	19	6	5	(207)	(71)	(48)	(17)	38	(202)	(177)	(150)
Less: Capital charge	185	176	194	174	174	184	200	167	177	361	358	726	722
Economic profit (loss) ¹	(171)	(152)	(175)	(168)	(169)	(391)	(271)	(215)	(194)	(323)	(560)	(903)	(872)

¹ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 46.

BALANCE SHEETS (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
Period-end balances											
ASSETS											
Cash and due from banks	33,041	40,033	30,209	32,015	32,765	34,488	28,407	24,302	30,518	30,209	28,407
Interest-bearing deposits with banks	26,718	38,653	36,471	49,159	36,979	37,269	32,662	36,098	25,875	36,471	32,662
Securities											
Trading	138,916	138,173	128,258	126,386	131,168	129,361	127,657	128,740	132,370	128,258	127,657
Investment, net of applicable allowance ¹	102,075	97,659	94,608	90,746	89,673	92,901	90,722	85,430	87,035	94,608	90,722
	240,991	235,832	222,866	217,132	220,841	222,262	218,379	214,170	219,405	222,866	218,379
Assets purchased under reverse repurchase agreements and securities borrowed	309,520	297,660	294,602	264,170	261,184	259,765	220,977	208,669	216,931	294,602	220,977
Loans											
Retail	407,222	401,767	399,452	394,884	388,558	386,235	385,170	379,869	374,168	399,452	385,170
Wholesale	198,263	191,114	180,278	171,050	165,643	154,585	159,606	156,401	160,352	180,278	159,606
	605,485	592,881	579,730	565,934	554,201	540,820	544,776	536,270	534,520	579,730	544,776
Allowance for loan losses	(3,093)	(3,061)	(2,912)	(2,837)	(2,808)	(2,776)	(2,159)	(2,236)	(2,258)	(2,912)	(2,159)
	602,392	589,820	576,818	563,097	551,393	538,044	542,617	534,034	532,262	576,818	542,617
Segregated fund net assets	1,561	1,443	1,368	1,396	1,308	1,270	1,216	1,077	1,096	1,368	1,216
Other											
Customers' liability under acceptances	16,073	16,750	15,641	16,083	15,653	16,363	16,459	15,246	14,499	15,641	16,459
Derivatives	84,812	84,816	94,039	88,503	94,175	105,512	95,023	105,833	100,763	94,039	95,023
Premises and equipment	3,014	2,918	2,832	2,771	2,706	2,648	2,670	2,646	2,754	2,832	2,670
Goodwill	11,289	11,149	11,137	11,012	10,990	10,736	10,977	10,733	11,352	11,137	10,977
Other intangibles	4,758	4,711	4,687	4,581	4,533	4,420	4,507	4,421	4,640	4,687	4,507
Other assets	44,707	42,422	44,064	42,455	42,251	43,498	38,959	43,818	42,824	44,064	38,959
Total Assets	1,378,876	1,366,207	1,334,734	1,292,374	1,274,778	1,276,275	1,212,853	1,201,047	1,202,919	1,334,734	1,212,853
LIABILITIES AND EQUITY											
Deposits											
Personal	286,495	280,171	270,154	265,555	263,390	261,312	260,213	254,559	259,319	270,154	260,213
Business and government	544,667	540,234	534,371	534,808	530,365	517,428	505,665	501,833	498,231	534,371	505,665
Bank	32,939	32,159	32,521	31,898	28,293	21,280	23,757	22,777	28,033	32,521	23,757
	864,101	852,564	837,046	832,261	822,048	800,020	789,635	778,618	785,583	837,046	789,635
Segregated fund net liabilities	1,561	1,443	1,368	1,396	1,308	1,270	1,216	1,077	1,096	1,368	1,216
Other											
Acceptances	16,099	16,781	15,662	16,099	15,668	16,379	16,459	15,246	14,499	15,662	16,459
Obligations related to securities sold short	34,049	33,242	32,247	33,192	33,047	30,404	30,008	40,512	37,331	32,247	30,008
Obligations related to assets sold under repurchase agreements and securities loaned	223,980	224,529	206,814	178,170	170,918	183,319	143,084	121,980	127,955	206,814	143,084
Derivatives	82,168	81,766	90,238	86,082	90,890	104,219	92,127	104,203	99,031	90,238	92,127
Insurance claims and policy benefit liabilities	11,006	10,512	10,000	10,105	9,763	9,977	9,676	9,331	9,262	10,000	9,676
Other liabilities	54,606	55,465	52,273	48,068	46,043	48,402	46,955	48,019	45,348	52,273	46,955
Subordinated debentures	9,360	9,255	9,131	9,129	9,068	8,961	9,265	9,200	9,646	9,131	9,265
	1,296,930	1,285,557	1,254,779	1,214,502	1,198,753	1,202,951	1,138,425	1,128,186	1,129,751	1,254,779	1,138,425
Equity attributable to shareholders											
Preferred shares	5,706	6,406	6,309	6,306	6,303	6,306	6,413	6,713	6,712	6,309	6,413
Common shares	17,534	17,565	17,617	17,533	17,539	17,640	17,703	17,871	17,707	17,617	17,703
Retained earnings	53,640	52,208	51,112	49,424	47,405	45,764	45,359	44,479	42,538	51,112	45,359
Other components of equity	4,965	4,374	4,823	4,518	4,178	3,026	4,354	3,211	5,613	4,823	4,354
	81,845	80,553	79,861	77,781	75,425	72,736	73,829	72,274	72,570	79,861	73,829
Non-controlling interests (NCI)	101	97	94	91	600	588	599	587	598	94	599
	81,946	80,650	79,955	77,872	76,025	73,324	74,428	72,861	73,168	79,955	74,428
Total Liabilities and Equity	1,378,876	1,366,207	1,334,734	1,292,374	1,274,778	1,276,275	1,212,853	1,201,047	1,202,919	1,334,734	1,212,853

¹ Investment, net of applicable allowance represents debt and equity securities at FVOCI (AFS securities under IAS 39) and amortized cost (held-to-maturity securities under IAS 39). For further details on the impacts of the adoption of IFRS 9 including the description of accounting policies selected, refer to the 2018 Annual Report.

SELECTED AVERAGE BALANCE SHEET ITEMS ¹ (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Securities, net of applicable allowance	237,100	237,700	218,400	221,600	228,900	234,200	217,300	217,500	225,300	237,400	231,600	225,700	223,700
Assets purchased under reverse repurchase agreements and securities borrowed	338,000	329,100	284,900	267,300	258,200	256,100	208,600	208,800	209,500	333,500	257,200	266,700	206,000
Total loans, net ²	595,800	587,500	570,500	558,200	546,200	537,600	538,600	532,800	526,400	591,600	541,800	553,200	530,000
Retail ²	404,000	401,500	397,200	392,100	388,200	386,700	382,500	376,700	371,900	402,800	387,500	391,100	375,500
Wholesale ²	194,900	188,900	176,200	169,000	160,800	153,500	158,300	158,300	156,700	191,900	157,100	164,900	156,800
Customers' liability under acceptances	17,300	16,700	16,200	15,700	15,700	16,400	15,800	14,900	14,100	17,000	16,100	16,000	14,600
Average earning assets, net	1,212,000	1,198,500	1,123,300	1,095,300	1,081,100	1,071,200	1,007,500	1,000,200	997,700	1,205,200	1,076,100	1,092,800	999,000
Derivatives	86,500	89,700	93,400	102,900	93,700	95,900	97,700	99,000	94,900	88,100	94,800	96,500	99,900
Total assets	1,407,100	1,397,500	1,324,900	1,300,800	1,276,700	1,276,700	1,195,600	1,188,800	1,181,000	1,402,200	1,276,700	1,294,900	1,186,600
Deposits	864,400	859,800	833,500	825,800	815,900	803,600	781,900	770,000	766,800	862,100	809,700	819,700	770,300
Common equity	74,000	73,550	71,700	69,650	67,450	66,850	65,900	65,750	64,800	73,800	67,150	68,900	65,300
Total equity	80,000	80,100	78,100	76,400	74,300	73,800	73,100	73,100	72,100	80,100	74,000	75,700	72,600

ASSETS UNDER ADMINISTRATION AND MANAGEMENT ³ (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Assets under administration													
Institutional	4,439,300	4,228,100	4,422,600	4,350,300	4,579,900	4,568,900	4,411,000	4,387,700	4,258,600	4,439,300	4,579,900	4,422,600	4,411,000
Personal	1,051,200	979,900	957,300	974,300	929,500	927,200	907,100	854,000	882,000	1,051,200	929,500	957,300	907,100
Retail mutual funds	165,100	155,900	153,800	161,600	157,000	157,400	155,200	148,300	173,900	165,100	157,000	153,800	155,200
Total AUA	5,655,600	5,363,900	5,533,700	5,486,200	5,666,400	5,653,500	5,473,300	5,390,000	5,314,500	5,655,600	5,666,400	5,533,700	5,473,300
Assets under management													
Institutional	233,900	223,500	218,700	223,500	219,700	220,600	216,000	204,100	212,800	233,900	219,700	218,700	216,000
Personal	276,900	253,300	243,300	245,400	229,300	225,500	216,200	200,900	201,200	276,900	229,300	243,300	216,200
Retail mutual funds	222,300	211,200	209,000	217,700	211,900	210,600	207,700	196,200	200,600	222,300	211,900	209,000	207,700
Total AUM	733,100	688,000	671,000	686,600	660,900	656,700	639,900	601,200	614,600	733,100	660,900	671,000	639,900

¹ Calculated using methods intended to approximate the average of the daily balances for the period, as applicable.

² Average total loans are reported net of allowance for loan losses. Average retail and wholesale balances are reported on a gross basis (before deducting allowance for loan losses).

³ To be read in conjunction with the Segment pages.

STATEMENTS OF COMPREHENSIVE INCOME (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
	Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431
Other comprehensive income (loss), net of taxes													
Items that will be reclassified subsequently to income:													
Net change in unrealized gains (losses) on available-for-sale (AFS) securities													
Net unrealized gains (losses) on AFS securities							68	67	128				134
Reclassification of net losses (gains) on AFS securities to income							(20)	(27)	(37)				(96)
Net change in unrealized gains (losses) on debt securities and loans at fair value through other comprehensive income													
Net unrealized gains (losses) on debt securities and loans at FVOCI	140	(1)	(75)	43	(14)	(24)				139	(38)	(70)	
PCL recognized in profit or loss	(9)	(1)	(24)	(9)	9	15				(10)	24	(9)	
Reclassification of net losses (gains) on debt securities and loans at FVOCI to income	(31)	(29)	(18)	(13)	(35)	(28)				(60)	(63)	(94)	
	100	(31)	(117)	21	(40)	(37)	48	40	91	69	(77)	(173)	38
Foreign currency translation adjustments													
Unrealized foreign currency translation gains (losses)	1,096	35	453	415	1,978	(2,006)	1,702	(4,405)	2,595	1,131	(28)	840	(1,570)
Net foreign currency translation gains (losses) from hedging activities	(398)	(66)	(107)	(78)	(710)	658	(638)	1,538	(1,005)	(464)	(52)	(237)	438
Reclassification of losses (gains) on foreign currency translation to income	-	2	-	-	-	-	-	-	-	2	-	-	(10)
Reclassification of losses (gains) on net investment hedging activities to income	-	2	-	-	-	-	-	-	-	2	-	-	-
	698	(27)	346	337	1,268	(1,348)	1,064	(2,867)	1,590	671	(80)	603	(1,142)
Net change in cash flow hedges													
Net gains (losses) on derivatives designated as cash flow hedges	(182)	(316)	(12)	(45)	(217)	424	27	585	(86)	(498)	207	150	622
Reclassification of losses (gains) on derivatives designated as cash flow through profit or loss	(25)	(74)	88	28	144	(153)	7	(167)	31	(99)	(9)	107	(92)
	(207)	(390)	76	(17)	(73)	271	34	418	(55)	(597)	198	257	530
Items that will not be reclassified subsequently to income:													
Remeasurements of employee benefit plans	(92)	(394)	127	464	84	49	(42)	510	(275)	(486)	133	724	790
Net fair value change due to credit risk on financial liabilities designated as at FVTPL	(189)	163	10	(13)	144	(18)	(58)	(20)	(212)	(26)	126	123	(323)
Net gains (losses) on equity securities designated at FVOCI	30	7	(3)	2	1	(2)				37	(1)	(2)	
	(251)	(224)	134	453	229	29	(100)	490	(487)	(475)	258	845	467
Total other comprehensive income (loss), net of taxes	340	(672)	439	794	1,384	(1,085)	1,046	(1,919)	1,139	(332)	299	1,532	(107)
Total comprehensive income (loss)	3,570	2,500	3,689	3,903	4,444	1,927	3,883	877	3,948	6,070	6,371	13,963	11,362
Total comprehensive income (loss) attributable to:													
Shareholders	3,566	2,497	3,686	3,894	4,432	1,919	3,872	871	3,935	6,063	6,351	13,931	11,323
NCI	4	3	3	9	12	8	11	6	13	7	20	32	39
	3,570	2,500	3,689	3,903	4,444	1,927	3,883	877	3,948	6,070	6,371	13,963	11,362

STATEMENTS OF CHANGES IN EQUITY (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months	2018	2017
Preferred shares													
Balance at beginning of period	6,406	6,306	6,306	6,306	6,306	6,413	6,713	6,713	6,713	6,306	6,413	6,413	6,713
Issued	-	350	-	-	-	-	-	-	-	350	-	-	-
Redeemed	(700)	(250)	-	-	-	(107)	(300)	-	-	(950)	(107)	(107)	(300)
Balance at end of period	5,706	6,406	6,306	6,306	6,306	6,306	6,413	6,713	6,713	5,706	6,306	6,306	6,413
Common shares													
Balance at beginning of period	17,601	17,635	17,642	17,634	17,647	17,730	17,759	17,717	17,898	17,635	17,730	17,730	17,939
Issued	38	11	23	24	15	30	39	42	50	49	45	92	227
Purchased for cancellation	(1)	(45)	(30)	(16)	(28)	(113)	(68)	-	(231)	(46)	(141)	(187)	(436)
Balance at end of period	17,638	17,601	17,635	17,642	17,634	17,647	17,730	17,759	17,717	17,638	17,634	17,635	17,730
Treasury shares - preferred													
Balance at beginning of period	-	3	-	(3)	-	-	-	(1)	-	3	-	-	-
Sales	43	82	57	69	64	69	48	38	23	125	133	259	130
Purchases	(43)	(85)	(54)	(66)	(67)	(69)	(48)	(37)	(24)	(128)	(136)	(256)	(130)
Balance at end of period	-	-	3	-	(3)	-	-	-	(1)	-	(3)	3	-
Treasury shares - common													
Balance at beginning of period	(36)	(18)	(109)	(95)	(7)	(27)	112	(10)	(33)	(18)	(27)	(27)	(80)
Sales	1,272	1,529	1,418	1,292	1,344	1,425	1,000	1,099	1,124	2,801	2,769	5,479	4,414
Purchases	(1,340)	(1,547)	(1,327)	(1,306)	(1,432)	(1,405)	(1,139)	(977)	(1,101)	(2,887)	(2,837)	(5,470)	(4,361)
Balance at end of period	(104)	(36)	(18)	(109)	(95)	(7)	(27)	112	(10)	(104)	(95)	(18)	(27)
Retained earnings													
Balance at beginning of period	52,208	51,112	49,424	47,405	45,764	45,359	44,479	42,538	42,996	51,112	45,359	45,359	41,519
Transition adjustment for IFRS 9 ¹	-	-	-	-	-	(558)	-	-	-	-	(558)	(558)	-
Transition adjustment for IFRS 15 ²	-	(70)	-	-	-	-	-	-	-	(70)	-	-	-
Net income attributable to shareholders	3,226	3,170	3,247	3,101	3,051	3,001	2,829	2,783	2,801	6,396	6,052	12,400	11,428
Other comprehensive income	(251)	(224)	134	453	229	29	(100)	490	(487)	(475)	258	845	467
Preferred share dividends	(65)	(74)	(71)	(71)	(71)	(72)	(72)	(76)	(77)	(139)	(143)	(285)	(300)
Common share dividends	(1,466)	(1,407)	(1,412)	(1,355)	(1,356)	(1,319)	(1,324)	(1,269)	(1,271)	(2,873)	(2,675)	(5,442)	(5,096)
Premium paid on common shares purchased for cancellation	(10)	(303)	(217)	(112)	(196)	(810)	(454)	-	(1,406)	(313)	(1,006)	(1,335)	(2,674)
Share-based compensation awards	(8)	2	(4)	(2)	(1)	(3)	(9)	(6)	(13)	(6)	(4)	(10)	(40)
Issuance costs	-	-	-	-	-	-	-	-	(1)	-	-	-	(1)
Other	6	2	11	5	(15)	137	10	19	(4)	8	122	138	56
Balance at end of period	53,640	52,208	51,112	49,424	47,405	45,764	45,359	44,479	42,538	53,640	47,405	51,112	45,359
Other components of equity													
Unrealized gains and losses on AFS securities	-	-	-	-	-	-	378	330	290	-	84	-	378
Unrealized gains and losses on securities and loans at FVOCI	57	(43)	(12)	105	84	124	-	-	-	57	-	(12)	-
Unrealized foreign currency translation gains and losses, net of hedging activities	4,817	4,119	4,147	3,801	3,465	2,200	3,545	2,484	5,344	4,817	3,465	4,147	3,545
Gains and losses on derivatives designated as cash flow hedges	91	298	688	612	629	702	431	397	(21)	91	629	688	431
Balance at end of period	4,965	4,374	4,823	4,518	4,178	3,026	4,354	3,211	5,613	4,965	4,178	4,823	4,354
Total retained earnings and other components of equity	58,605	56,582	55,935	53,942	51,583	48,790	49,713	47,690	48,151	58,605	51,583	55,935	49,713
	81,845	80,553	79,861	77,781	75,425	72,736	73,829	72,274	72,570	81,845	75,425	79,861	73,829
Non-controlling interests													
Balance at beginning of period	97	94	91	600	588	599	587	598	585	94	599	599	595
Dividends	-	-	-	(18)	(1)	(18)	-	(17)	-	-	(19)	(37)	(34)
Net income attributable to NCI	4	2	3	8	9	11	8	13	8	6	20	31	41
Foreign currency translation adjustments	-	1	-	1	3	(3)	3	(7)	5	1	-	1	(2)
Redemption of trust capital securities	-	-	-	(500)	-	-	-	-	-	-	-	(500)	-
Other	-	-	-	-	1	(1)	1	-	-	-	-	-	(1)
Balance at end of period	101	97	94	91	600	588	599	587	598	101	600	94	599
Total equity	81,946	80,650	79,955	77,872	76,025	73,324	74,428	72,861	73,168	81,946	76,025	79,955	74,428

¹ For further details, refer to our 2018 Annual Report.

² For further details, refer to the Q2/19 Report to Shareholders and our 2018 Annual Report.

Composition of Capital Template (Millions of Canadian dollars, except percentage and otherwise noted)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18
Capital ratios					
61 Common Equity Tier 1 (as a percentage of risk-weighted assets)	11.8%	11.4%	11.5%	11.1%	10.9%
62 Tier 1 (as a percentage of risk-weighted assets)	12.9%	12.7%	12.8%	12.3%	12.3%
63 Total capital (as a percentage of risk-weighted assets)	14.8%	14.5%	14.6%	14.1%	14.1%
64 Buffer (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer requirement plus D-SIB buffer expressed as a percentage of risk-weighted assets)	8.0%	8.0%	8.0%	8.0%	8.0%
65 of which: capital conservation buffer	2.5%	2.5%	2.5%	2.5%	2.5%
66 of which: bank-specific countercyclical buffer	0.0%	0.0%	0.0%	0.0%	0.0%
67 of which: G-SIB buffer ¹	1.0%	1.0%	1.0%	1.0%	1.0%
67a of which: D-SIB buffer	0.0%	0.0%	0.0%	0.0%	0.0%
68 Common Equity Tier 1 available to meet buffers (as a percentage of risk-weighted assets)	11.8%	11.4%	11.5%	11.1%	10.9%
OSFI target (minimum + capital conservation buffer + D-SIB surcharge (if applicable))					
69 Common Equity Tier 1 target ratio	8.0%	8.0%	8.0%	8.0%	8.0%
70 Tier 1 capital target ratio	9.5%	9.5%	9.5%	9.5%	9.5%
71 Total capital target ratio	11.5%	11.5%	11.5%	11.5%	11.5%
Amounts below the thresholds for deduction (before risk-weighting)					
72 Non-significant investments in the capital and Other TLAC-eligible instruments of other financials entities	2,298	2,273	1,529	2,925	2,254
73 Significant investments in the common stock of financials	3,910	3,851	3,883	3,764	3,716
74 Mortgage servicing rights (net of related tax liability)	-	-	-	-	-
75 Deferred tax assets arising from temporary differences (net of related tax liability)	960	840	617	894	844
Applicable caps on the inclusion of allowances in Tier 2					
76 Allowances eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)	504	523	462	431	429
77 Cap on inclusion of allowances in Tier 2 under standardized approach	504	523	462	431	429
78 Allowances eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)	2,050	2,021	1,996	1,982	1,917
79 Cap on inclusion of allowances in Tier 2 under internal ratings-based approach	2,050	2,021	1,996	1,982	1,917
Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)					
80 Current cap on CET1 instruments subject to phase out arrangements	-	-	-	-	-
81 Amounts excluded from CET1 due to cap (excess over cap after redemptions and maturities)	-	-	-	-	-
82 Current cap on AT1 instruments subject to phase out arrangements	2,217	2,217	2,957	2,957	2,957
83 Amounts excluded from AT1 due to cap (excess over cap after redemptions and maturities)	-	-	-	-	5
84 Current cap on T2 instruments subject to phase out arrangements	2,757	2,757	3,676	3,676	3,676
85 Amounts excluded from T2 due to cap (excess over cap after redemptions and maturities)	-	-	-	-	-

¹ Capital surcharge, equal to the higher of our D-SIB surcharge and the BCBS's G-SIB surcharge, is applicable to risk-weighted capital.

REGULATORY CAPITAL BALANCE SHEET
(Millions of Canadian dollars)

Cross Reference to
Basel III Regulatory Capital
Components Page 20

Q2/19

Balance sheet as in
Report to Shareholders

Under regulatory
scope of consolidation

		Balance sheet as in Report to Shareholders	Under regulatory scope of consolidation
Assets			
Cash and due from banks		33,041	33,039
Interest-bearing deposits with banks		26,718	26,718
Securities, net of applicable allowance		240,991	229,650
<i>Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds</i>			2,298
<i>Other securities</i>			227,352
Assets purchased under reverse repurchase agreements and securities borrowed		309,520	309,520
Loans			
Retail		407,222	406,930
Wholesale		198,263	196,041
Allowance for loan losses		(3,093)	(3,093)
<i>Collective allowance reflected in Tier 2 regulatory capital</i> ¹	s		(504)
<i>Shortfall of allowances to expected loss</i> ²	i		(468)
<i>Allowances not reflected in regulatory capital</i>			(2,121)
Segregated fund net assets		602,392	599,878
Other		1,561	-
Customers' liability under acceptances		16,073	16,073
Derivatives		84,812	85,173
Premises and equipment, net		3,014	3,012
Goodwill	e	11,289	11,289
<i>Goodwill related to insurance and joint ventures</i>	e'		7
Other intangibles	f	4,758	4,667
<i>Other intangibles related to insurance and joint ventures</i>	f'		91
Other		44,707	46,343
<i>Significant investments in other financial institutions and insurance subsidiaries</i>			3,910
<i>of which: exceeding regulatory thresholds</i>	l		-
<i>of which: not exceeding regulatory thresholds</i>			3,910
<i>Defined - benefit pension fund net assets</i>	k		141
<i>Deferred tax assets</i>			1,723
<i>of which: deferred tax assets excluding those arising from temporary differences</i>	g		175
<i>of which: deferred tax assets arising from temporary differences exceeding regulatory thresholds</i>	m		-
<i>of which: deferred tax liabilities related to permitted tax netting</i>			(925)
<i>of which: deferred tax assets - other temporary differences</i>			2,473
Other assets			40,569
Total assets		1,378,876	1,365,362

¹ Collective allowance includes Stage 1 and Stage 2 ACL on financial assets under IFRS 9.

² Expected loss as defined under the Basel III framework.

REGULATORY CAPITAL BALANCE SHEET *continued*
(Millions of Canadian dollars)

Liabilities
Deposits
Personal
Business and government
Bank
Segregated fund net liabilities
Other
Acceptances
Obligations related to securities sold short
Obligations related to assets sold under repurchase agreements and securities loaned
Derivatives
Insurance claims and policy benefit liabilities
Other liabilities
Gains and losses due to changes in own credit risk on fair value liabilities
Deferred tax liabilities
of which: related to goodwill
of which: related to intangibles
of which: related to pensions
of which: relates to permitted tax netting
of which: other deferred tax liabilities
Other Liabilities
Subordinated debentures
Regulatory capital amortization of maturing debentures
Subordinated debentures not allowed for regulatory capital
Subordinated debentures used for regulatory capital:
of which: are qualifying
of which: are subject to phase out directly issued capital:
of which: are subject to phase out issued by subsidiaries and held by 3rd party
Total liabilities
Equity attributable to shareholders
Common shares
of which are treasury shares - common
Retained earnings
of which relates to contributed surplus
of which relates to retained earning for capital purposes
of which relates to insurance and joint ventures
Other components of equity
Gains and losses on derivatives designated as cash flow hedges
Unrealized foreign currency translation gains and losses, net of hedging activities
Other reserves allowed for regulatory capital
of which relates to insurance
Preferred shares
of which: are qualifying
of which: are subject to phase out
of which portion are not allowed for regulatory capital
of which: are qualifying treasury shares
of which: are subject to phase out treasury shares
Non-controlling interests
of which: are qualifying
portion allowed for inclusion into CET1
portion allowed for inclusion into Tier 1 capital
portion allowed for inclusion into Tier 2 capital
of which: are subject to phase out
of which: portion not allowed for regulatory capital
Total equity
Total liabilities and equity

	Cross Reference to Basel III Regulatory Capital Components Page 20	Q2/19	
		Balance sheet as in Report to Shareholders	Under regulatory scope of consolidation
		286,495	286,494
		544,667	544,910
		32,939	32,939
		864,101	864,343
		1,561	-
		16,099	16,099
		34,049	34,049
		223,980	223,980
		82,168	82,168
		11,006	-
		54,606	53,434
	j		(123)
			92
	t		111
	v		857
	u		55
	w		12
			(927)
			53,465
	q	9,360	9,360
			-
	q'		368
			8,992
	q''		6,432
	q'''		2,534
	q''''		26
		1,296,930	1,283,433
		81,845	81,828
	a	17,534	17,534
	a''		(104)
		53,640	53,656
	a'		320
	b		53,335
	b'		(16)
	c	4,965	4,932
	h		91
			4,965
			(91)
	c'		(34)
	n	5,706	5,706
	n'		4,175
	n''		1,500
	n'''		31
	n''''		-
	n'''''		-
	x	101	101
	d		13
	o		3
	r		29
	x'		-
			56
		81,946	81,929
		1,378,876	1,365,362
	Equity		Assets
		5	-
		24	52
		2,413	16,421
		57	93
		1	-
		1,154	602
		3,654	17,168

Insurance subsidiaries ¹	Principal activities
Assured Assistance Inc.	Service provider for insurance claims
RBC Insurance Services Inc.	Service provider for insurance companies listed and the bank (creditor)
RBC Life Insurance Company	Life and health insurance company
RBC Insurance Company of Canada	Property and casualty insurance company
RBC Insurance Holdings Inc.	Holding company
Royal Bank of Canada Insurance Company Limited	Life, annuity, trade credit, title and property reinsurance company provides coverage to international clients

¹ The list of legal entities that are included within the accounting scope of consolidation but excluded from the regulatory scope of consolidation.

FLOW STATEMENT OF THE MOVEMENTS IN REGULATORY CAPITAL ¹

(Millions of Canadian dollars)

Common Tier 1 (CET1) capital
Opening amount

New capital issues	
Redeemed capital	
Gross dividends (deduction)	
Shares issued in lieu of dividends (add back)	
Profit for the year (attributable to shareholders of parent company)	
Removal of own credit spread (net of tax)	
Movement in other comprehensive income	
Currency translation differences (unrealized foreign currency translation gains/(losses)), net of hedging activities)	
Investments (unrealized gains (losses) on Investment securities)	
Other	
Goodwill and other intangible assets (deduction, net of related tax liability)	
Other, including regulatory adjustments and transitional arrangements	
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	
Defined benefit pension fund assets (net of related tax liability)	
Investment in common equity of deconsolidated subsidiaries & other significant investments	
Prudential valuation adjustments	
Other ²	

Closing amount
Other 'non-core' Tier 1 (Additional Tier 1) capital
Opening amount

New non-core Tier 1 (additional Tier 1) eligible capital issues	
Redeemed capital	
Other, including regulatory adjustments and transitional arrangements ³	

Closing amount
Total Tier 1 capital
Tier 2 capital
Opening amount

New Tier 2 eligible capital issues	
Redeemed capital	
Amortization adjustments	
Other, including regulatory adjustments and transitional arrangements ⁴	

Closing amount
Total regulatory capital

	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18
57,963	57,001	55,054	53,277	51,145	
38	11	23	24	15	
(1)	(45)	(30)	(16)	(28)	
(1,531)	(1,481)	(1,483)	(1,426)	(1,427)	
-	-	-	-	-	
3,226	3,170	3,247	3,101	3,051	
223	(205)	6	-	(177)	
591	(449)	305	340	1,152	
698	(28)	346	336	1,265	
100	(31)	(117)	21	(40)	
(207)	(390)	76	(17)	(73)	
(170)	(33)	(209)	(82)	(342)	
(25)	(6)	88	(164)	(112)	
89	(86)	(166)	-	(2)	
33	350	105	(536)	(30)	
-	-	-	-	-	
-	-	-	-	-	
(147)	(270)	149	372	(80)	
60,314	57,963	57,001	55,054	53,277	
6,378	6,278	6,278	6,781	6,780	
-	350	-	3	(3)	
-	-	-	-	-	
(700)	(250)	-	(506)	4	
5,678	6,378	6,278	6,278	6,781	
65,992	64,341	63,279	61,332	60,058	
9,417	9,215	9,193	9,156	9,059	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
82	202	22	37	97	
9,499	9,417	9,215	9,193	9,156	
75,491	73,758	72,494	70,525	69,214	

¹ Reflects required EDTF format.

² Includes changes in shortfall in allowance, treasury shares, issue costs and other, share-based compensation awards, threshold deduction allocated to loss carry back, de-recognition of cash flow hedge reserves, transitional adjustment, premium paid on common shares purchased for cancellation and common equity issued by consolidated subsidiaries to third parties.

³ Includes changes to capital issued by consolidated bank subsidiaries to third parties and non-qualifying capital instruments.

⁴ Includes changes to non-qualifying capital issued by consolidated bank subsidiaries to third parties, non-qualifying capital instruments, regulatory adjustments for TLAC-eligible instruments and eligible collective allowance.

TOTAL CAPITAL RISK-WEIGHTED ASSETS ¹ (Millions of Canadian dollars, except percentage and per share amounts)	Q2/19						Q2/19	Risk-weighted assets All-in Basis			
	Risk-weighted assets All-in Basis						Capital requirements				
	Exposure ²	Average of risk weights ³	Standardized approach	Advanced approach	Other	Total ⁴	Total ⁴	Q1/19 Total ⁴	Q4/18 Total ⁴	Q3/18 Total ⁴	Q2/18 Total ⁴
Credit risk ⁵											
Lending-related and other											
Residential mortgages	265,114	8%	7,709	14,742	-	22,451	1,796	22,114	21,919	21,664	20,125
Other retail (Personal, Credit cards and Small business treated as retail)	268,528	22%	7,508	50,980	-	58,488	4,679	57,676	55,669	55,364	55,525
Business (Corporate, Commercial, Medium-sized enterprises and Non-bank financial institutions)	366,460	58%	49,959	162,791	-	212,750	17,020	210,676	205,735	213,476	205,627
Sovereign (Government)	138,381	7%	1,137	9,164	-	10,301	824	11,785	11,437	10,913	11,149
Bank	130,712	6%	1,380	6,984	-	8,364	669	8,192	10,239	9,779	8,742
Total lending-related and other	1,169,195	27%	67,693	244,661	-	312,354	24,988	310,443	304,999	311,196	301,168
Trading - related											
Repo-style transactions	761,906	1%	102	8,989	97	9,188	735	8,495	8,116	8,692	9,046
Derivatives - including CVA - CET1 phase-in adjustment ⁶	91,633	41%	727	22,233	14,287	37,247	2,980	35,658	31,173	31,349	30,553
Total trading-related	853,539	5%	829	31,222	14,384	46,435	3,715	44,153	39,289	40,041	39,599
Total lending-related and other and trading-related	2,022,734	18%	68,522	275,883	14,384	358,789	28,703	354,696	344,288	351,237	340,767
Bank book equities ⁷	3,565	128%	-	4,566	-	4,566	365	4,336	4,161	4,186	3,732
Securitization exposures	66,929	14%	5,564	3,908	-	9,472	758	10,072	9,984	8,047	8,033
Regulatory scaling factor ⁸	n.a.	n.a.	n.a.	16,827	-	16,827	1,346	16,690	16,608	17,052	16,438
Other assets ⁹	16,754	148%	n.a.	n.a.	24,869	24,869	1,990	24,309	25,562	26,008	27,080
Total credit risk ⁹	2,109,982	20%	74,086	301,184	39,253	414,523	33,162	410,003	400,603	406,530	396,050
Market risk ^{10, 11}											
Interest rate			4,046	6,349	-	10,395	832	12,647	9,497	9,579	9,144
Equity			1,355	1,645	-	3,000	240	3,241	3,865	2,494	2,216
Foreign exchange			1,323	240	-	1,563	125	1,412	962	976	826
Commodities			313	19	-	332	26	244	190	221	210
Specific risk			6,297	1,791	-	8,088	647	8,039	8,005	8,319	9,899
Incremental risk charge ^{12, 13}			-	8,075	-	8,075	646	9,279	9,690	8,332	9,455
Total market risk			13,334	18,119	-	31,453	2,516	34,862	32,209	29,921	31,750
Operational risk			5,370	59,117	n.a.	64,487	5,159	63,647	62,716	61,498	60,426
Regulatory floor adjustment ¹⁴			-	-	-	-	-	-	-	-	-
CET1 capital risk-weighted assets	2,109,982		92,790	378,420	39,253	510,463	40,837	508,512	495,528	497,949	488,226
Additional CVA adjustment, prescribed by OSFI, for Tier 1 Capital ⁶			-	-	-	-	-	-	465	473	473
Regulatory floor adjustment ¹⁴			-	-	-	-	-	-	-	-	-
Tier 1 capital risk-weighted assets	2,109,982		92,790	378,420	39,253	510,463	40,837	508,512	495,993	498,422	488,699
Additional CVA adjustment, prescribed by OSFI, for Total Capital ⁶			-	-	-	-	-	-	466	474	473
Regulatory floor adjustment ¹⁴			-	-	-	-	-	-	-	-	-
Total capital risk-weighted assets (RWA)	2,109,982		92,790	378,420	39,253	510,463	40,837	508,512	496,459	498,896	489,172

¹ Calculated using guidelines issued by OSFI under the Basel III All-in framework.

² Total exposure represents exposure at default (EAD) which is the expected gross exposure upon the default of an obligor. This amount excludes any allowance against impaired loans or partial write-offs and does not reflect the impact of credit risk mitigation.

³ Represents the average of counterparty risk weights within a particular category.

⁴ The minimum capital requirements for each category can be calculated by multiplying the total RWA by 8%.

⁵ For credit risk, a majority of our portfolios use the Internal Ratings Based (IRB) Approach and the remainder use the Standardized Approach.

⁶ As per OSFI guidelines, the CVA regulatory capital charge applied to derivatives has a three tier capital approach with different scalars for each tier until the end of 2018. For 2018 the scalars percentages were 80%, 83% and 86% applied to CET1, Tier 1 and TC respectively.

⁷ CAR guidelines define banking book equities based on the economic substance of the transaction rather than the legal form or accounting treatment associated with the financial instrument. As such, differences exist in the identification of equity securities held in the banking book and those reported in the financial statements. Banking book equities are financial instruments held for investment purposes and are not part of our trading book, consisting of publicly-traded and private equities, partnership units, venture capital and derivative instruments tied to equity interests.

As at Q2/19, the amount of publicly-traded equity exposures was \$1,482 million and private equity exposures amounted to \$2,083 million. Total exposure represents EAD, which is the expected gross exposure upon the default of an obligor.

Effective Q1/17, the Basel Committee on Banking Supervision issued new requirements for Equity Investments in Funds (BCBS 266). The Simple Risk Weight method under the Market-based Approach is being used to calculate RWA for Direct Equity exposures (\$2,425 million). On the other hand, the calculation of RWA for Equity Investments in Funds (\$1,140 million) uses the Mandate-based and Fall-Back Approaches.

⁸ The scaling factor represents a calibration adjustment of 6% as prescribed by OSFI under the Basel III framework and is applied to RWA amounts for credit risk assessed under the IRB Approach.

⁹ For credit risk, portfolios using the Standardized and IRB Approaches represents 18% and 73%, respectively, of RWA. The remaining 9% represents Balance Sheet assets not included in Standardized or IRB Approaches.

¹⁰ For market risk RWA measurement, we use an internal models approach where we have obtained regulatory approval, and a standardized approach for products yet to be approved. For standardized approach, we use internally validated models.

¹¹ Regulatory capital for our correlation trading portfolios is determined through the standardized approach as prescribed by OSFI. Therefore, we do not have a Comprehensive Risk Charge for these portfolios. Our securitization and resuritization positions in our trading book also have capital requirements under the standardized approach. The changes in value due to market and credit risk in the securitization and resuritization in the trading book are managed through the daily mark-to-market process. Furthermore, we employ market risk measures such as sensitivities to changes in option-adjusted spreads and underlying asset prices as well as value-at-risk (VaR) and stress testing measures.

¹² The incremental risk charge (IRC) was \$560 million as at Q2/19. The average was \$648 million, high was \$781 million and low was \$507 million for Q2/19. The IRC is measured over a one-year horizon at a 99.9% confidence level. We utilize a technique known as the Monte Carlo simulation process to generate a statistically relevant number of loss scenarios due to ratings migration and default in order to establish the losses at that confidence level. We also make certain assumptions about position liquidity (the length of time to close out a position) within the model that range from a floor of three months to maximum of one year. The determination of liquidity is based on issuer type and credit rating. Credit rating migration and default probabilities (PD) are based on historical data.

¹³ The models are subject to the same internal independent vetting and validation procedures used for all regulatory capital models. Important assumptions are re-reviewed at least annually. Due to the long time horizon and high confidence level of the risk measure, we do not perform back-testing as we do for the VaR measure.

¹⁴ Effective February 1, 2018, OSFI prescribed the transition from the current Basel I regulatory capital floor to a new regulatory capital floor of 75% of RWA based on the Basel II Standardized Approaches. This new regulatory floor was transitioned over three quarters reflecting a regulatory capital floor requirement of 70%, 72.5%, and 75% in Q2/18, Q3/18, and Q4/18, respectively.

TOTAL CAPITAL RISK-WEIGHTED ASSETS BY BUSINESS SEGMENTS (ALL-IN BASIS) (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17
Personal and Commercial Banking							
Canadian Banking	169,850	168,360	165,146	166,922	163,982	156,735	154,983
Caribbean & U.S. Banking	12,708	12,923	12,430	12,825	12,780	12,309	12,572
Wealth Management	75,434	72,979	70,092	68,088	69,286	67,018	68,431
Insurance	8,961	8,830	8,984	8,933	8,744	8,438	8,584
Investor & Treasury Services	26,808	28,074	29,223	26,806	26,239	27,165	28,891
Capital Markets	207,560	208,241	201,499	206,968	201,260	183,346	181,942
Corporate Support	9,142	9,105	9,085	8,354	6,881	11,747	19,075
Total capital RWA	510,463	508,512	496,459	498,896	489,172	466,758	474,478

MOVEMENT OF TOTAL CAPITAL RISK-WEIGHTED ASSETS (RWA) BY RISK TYPE (ALL-IN BASIS) (Millions of Canadian dollars, except percentage and otherwise noted)	Q2/19			Q1/19			Q4/18			Q3/18		
	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total
Credit risk RWA												
Opening balance of credit risk RWA	365,850	44,153	410,003	361,392	40,142	401,534	366,581	40,896	407,477	356,452	40,544	396,996
Portfolio size ¹	(719)	1,139	420	7,557	(4,191)	3,366	3,359	(66)	3,293	9,411	577	9,988
Portfolio credit quality ²	767	256	1,023	(1,220)	1,591	371	286	(340)	(54)	94	(351)	(257)
Model updates ³	-	-	-	-	-	-	(8,709)	46	(8,663)	-	-	-
Methodology and policy ⁴	-	-	-	(3,930)	6,160	2,230	-	-	-	-	-	-
Acquisitions and dispositions	-	-	-	-	-	-	-	-	-	-	-	-
Foreign exchange movements	2,828	713	3,541	361	68	429	2,212	78	2,290	1,594	97	1,691
Other	(654)	190	(464)	1,690	383	2,073	(2,337)	(472)	(2,809)	(970)	29	(941)
Closing balance of credit risk RWA	368,072	46,451	414,523	365,850	44,153	410,003	361,392	40,142	401,534	366,581	40,896	407,477
Market risk RWA												
Opening balance of market risk RWA	n.a.	n.a.	34,862	n.a.	n.a.	32,209	n.a.	n.a.	29,921	n.a.	n.a.	31,750
Movement in risk levels ⁵	n.a.	n.a.	(3,438)	n.a.	n.a.	957	n.a.	n.a.	972	n.a.	n.a.	(859)
Model updates ³	n.a.	n.a.	(233)	n.a.	n.a.	768	n.a.	n.a.	617	n.a.	n.a.	(985)
Methodology and policy ⁴	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Acquisitions and dispositions	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Foreign exchange movements	n.a.	n.a.	262	n.a.	n.a.	928	n.a.	n.a.	699	n.a.	n.a.	15
Other	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Closing balance of market risk RWA	n.a.	n.a.	31,453	n.a.	n.a.	34,862	n.a.	n.a.	32,209	n.a.	n.a.	29,921
Operational risk RWA												
Opening balance of operational risk RWA	n.a.	n.a.	63,647	n.a.	n.a.	62,716	n.a.	n.a.	61,498	n.a.	n.a.	60,426
Revenue generation	n.a.	n.a.	840	n.a.	n.a.	931	n.a.	n.a.	1,218	n.a.	n.a.	1,072
Closing balance of operational risk RWA	n.a.	n.a.	64,487	n.a.	n.a.	63,647	n.a.	n.a.	62,716	n.a.	n.a.	61,498
Regulatory floor adjustment ⁶	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Total capital RWA	368,072	46,451	414,523	365,850	44,153	410,003	361,392	40,142	401,534	366,581	40,896	407,477

¹ Organic changes in portfolio size and composition (including new business and maturing loans).

² Quality of book changes caused by experience such as underlying customer behaviour or demographics and credit migration.

³ Updates to the model to reflect recent experience, model implementation, change in model scope or any change to address model malfunctions including changes through model calibrations/realignments.

⁴ Methodology changes to the calculations driven by regulatory policy changes.

⁵ Change in risk due to position changes and market movements.

⁶ Effective February 1, 2018, OSFI prescribed the transition from the current Basel I regulatory capital floor to a new regulatory capital floor of 75% of RWA based on the Basel II Standardized Approaches. This new regulatory floor was transitioned over three quarters reflecting a regulatory capital floor requirement of 70%, 72.5%, and 75% in Q2/18, Q3/18, and Q4/18, respectively.

LEVERAGE RATIO ¹
Summary comparison of accounting assets vs. leverage ratio exposure measure
(Millions of Canadian dollars)

	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18
1 Total consolidated assets as per published financial statements	\$1,378,876	1,366,207	1,334,734	1,292,374	1,274,778
2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	(13,876)	(13,051)	(12,474)	(12,329)	(12,245)
3 Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transfer ²	(7,070)	(7,072)			
4 Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	-	-	-	-	-
5 Adjustments for derivative financial instruments	2,499	(4,249)	(17,256)	(16,148)	(26,738)
6 Adjustment for securities financing transactions (SFT) (i.e. repo assets and similar secured lending)	(7,277)	(6,363)	(6,374)	2,297	5,916
7 Adjustments for off-balance sheet items (i.e., credit equivalent amounts of off-balance sheet exposures)	199,563	196,093	183,528	178,360	170,264
8 Other adjustments	(31,518)	(29,735)	(31,389)	(30,655)	(30,947)
9 Leverage Ratio Exposure	1,521,197	1,501,830	1,450,769	1,413,899	1,381,028

¹ From Q1/19 onwards, leverage ratio based on OSFI's Leverage Requirements Guideline issued in October 2018 with prior quarters based on OSFI's October 2014 Leverage Requirements Guideline. Historical periods reflect the Leverage Ratio Exposure-All-in basis.

² OSFI's October 2018 Leverage Requirements Guideline now allows for the exclusion of securitized exposures that meet the operational requirements for risk transference. This exclusion is not applicable for prior quarters.

LEVERAGE RATIO COMMON DISCLOSURE TEMPLATE¹
(Millions of Canadian dollars, except percentages)

	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18
On-balance sheet exposures					
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures, but including collateral)	962,689	962,610	932,572	925,779	904,693
2 Gross-up for derivatives collateral provided where deducted from balance sheet assets pursuant to the operative accounting framework (IFRS) ²	-	-	-	-	-
3 (Deductions of receivables assets for cash variation margin provided in derivatives transactions) ²	(14,409)	(13,157)	(14,148)	(13,004)	(12,978)
4 (Asset amounts deducted in determining Basel III Tier 1 capital)	(16,723)	(16,096)	(16,670)	(16,533)	(15,957)
5 Total on-balance sheet exposure (excluding derivatives and SFTs) (sum of lines 1 and 4)²	931,557	933,357	901,754	896,242	875,758
Derivatives exposures					
6 Replacement cost associated with all derivatives transactions (i.e., net of eligible cash variation margin)	24,791	23,748	17,836	16,628	15,771
7 Add-on amounts for potential future exposure (PFE) associated with all derivatives transactions	57,405	53,368	57,904	54,891	51,085
8 (Exempted central counterparty (CCP)-leg of client-cleared trade exposures)	-	-	-	-	-
9 Adjusted effective notional amount of written credit derivatives	5,115	3,452	1,042	836	582
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	-	-	-	-	-
11 Total derivative exposures (sum of lines 6 to 10)²	87,311	80,568	76,782	72,355	67,438
Securities financing transaction exposures					
12 Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	346,107	326,384	315,685	282,825	284,946
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	(54,006)	(44,985)	(36,209)	(25,974)	(25,631)
14 Counterparty credit risk (CCR) exposure for SFTs	10,665	10,413	9,229	10,091	8,253
15 Agent transaction exposures	-	-	-	-	-
16 Total securities financing transaction exposures (sum of lines 12 to 15)	302,766	291,812	288,705	266,942	267,568
Other off-balance sheet exposures					
17 Off-balance sheet exposures at gross notional amount	551,914	543,381	546,043	535,137	524,901
18 (Adjustments for conversion to credit equivalent amounts)	(352,351)	(347,288)	(362,515)	(356,777)	(354,637)
19 Off-balance sheet items (sum of lines 17 and 18)	199,563	196,093	183,528	178,360	170,264
Capital and Total Exposures					
20 Tier 1 capital	65,992	64,341	63,279	61,332	60,058
21 Total Exposures (sum of lines 3,11,16 and 19)	1,521,197	1,501,830	1,450,769	1,413,899	1,381,028
Leverage ratio					
22 Basel III leverage ratio	4.3%	4.3%	4.4%	4.3%	4.3%

¹ From Q1/19 onwards, leverage ratio based on OSFI's Leverage Requirements Guideline issued October 2018 with prior quarters based on OSFI's October 2014 Leverage Requirements Guideline. Historical periods reflect the Leverage Ratio Exposure-All-in basis.

² Prior period disclosures have been restated to reflect new OSFI leverage disclosure presentation format requirements.

LOANS AND ACCEPTANCES (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
By portfolio and sector											
Retail											
Residential mortgages	290,136	286,312	282,471	278,291	273,383	272,192	270,348	264,583	259,973	282,471	270,348
HELOC	41,646	41,433	42,197	42,183	42,117	42,001	42,430	43,109	42,688	42,197	42,430
Other personal	50,625	49,903	50,503	50,608	49,878	49,468	49,864	49,978	50,262	50,503	49,864
Total personal	92,271	91,336	92,700	92,791	91,995	91,469	92,294	93,087	92,950	92,700	92,294
Credit cards	19,740	19,165	19,415	19,027	18,551	18,049	18,035	17,789	17,417	19,415	18,035
Small business	5,075	4,954	4,866	4,775	4,629	4,525	4,493	4,410	3,828	4,866	4,493
	407,222	401,767	399,452	394,884	388,558	386,235	385,170	379,869	374,168	399,452	385,170
Wholesale											
Agriculture	9,264	8,683	8,325	8,020	7,918	7,697	7,397	7,161	6,938	8,325	7,397
Automotive	10,741	9,937	8,761	9,263	9,183	8,734	8,319	8,452	8,556	8,761	8,319
Banking	1,712	1,438	1,826	1,372	1,454	1,102	1,163	1,273	1,937	1,826	1,163
Consumer discretionary	16,290	17,053	15,453	15,458	14,508	13,949	14,428	14,046	13,722	15,453	14,428
Consumer staples	4,978	4,966	4,497	4,377	3,905	4,001	4,581	4,065	4,758	4,497	4,581
Oil and gas	6,776	6,776	6,061	5,736	5,961	5,408	5,599	5,691	4,958	6,061	5,599
Financial services	23,268	21,481	21,350	20,022	18,593	15,384	15,448	14,998	14,533	21,350	15,448
Financing products	7,325	7,372	5,569	3,163	3,767	3,357	4,475	4,982	6,005	5,569	4,475
Forest products	1,386	1,448	1,101	986	1,053	952	913	1,016	1,103	1,101	913
Governments	4,484	4,313	4,103	3,867	4,098	4,404	9,624	9,722	9,185	4,103	9,624
Industrial products	7,392	6,752	7,607	6,810	6,302	6,257	5,674	5,842	5,830	7,607	5,674
Information technology	5,127	6,155	4,635	5,040	4,094	3,815	4,086	4,036	4,485	4,635	4,086
Investments	14,638	14,194	8,987	8,900	8,943	8,660	8,867	8,646	8,599	8,987	8,867
Mining and metals	1,614	1,255	1,301	1,241	1,212	1,149	1,114	1,168	1,404	1,301	1,114
Public works and infrastructure	1,827	1,890	1,853	2,118	1,545	1,425	1,586	1,719	1,607	1,853	1,586
Real estate and related ¹	52,239	51,752	49,889	48,691	47,269	44,792	44,759	41,933	41,438	49,889	44,759
Other services	20,348	20,314	18,467	17,655	17,871	16,698	16,492	16,496	17,142	18,467	16,492
Telecommunication and Media	9,217	6,200	7,018	6,556	5,987	7,301	4,867	5,046	5,132	7,018	4,867
Transportation	5,797	5,362	5,347	4,985	6,579	4,918	5,223	4,629	6,160	5,347	5,223
Utilities	8,409	9,321	8,239	8,621	6,737	6,566	6,870	6,676	7,051	8,239	6,870
Other	1,530	1,233	5,551	4,268	4,332	4,395	4,580	4,050	4,308	5,551	4,580
	214,362	207,895	195,940	187,149	181,311	170,964	176,065	171,647	174,851	195,940	176,065
Total loans and acceptances	621,584	609,662	595,392	582,033	569,869	557,199	561,235	551,516	549,019	595,392	561,235
ACL - Loans and acceptances	(3,119)	(3,092)	(2,933)	(2,853)	(2,823)	(2,792)	(2,159)	(2,236)	(2,258)	(2,933)	(2,159)
Total loans and acceptances, net of allowance	618,465	606,570	592,459	579,180	567,046	554,407	559,076	549,280	546,761	592,459	559,076
Loans and acceptances by geography and portfolio											
Canada											
Residential mortgages	271,794	268,953	265,831	262,235	257,974	257,812	255,799	250,998	245,601	265,831	255,799
HELOC	39,637	39,553	40,143	40,301	40,473	40,492	40,970	41,728	41,214	40,143	40,970
Personal	41,670	41,343	41,969	41,843	41,263	41,048	41,052	41,133	40,619	41,969	41,052
Total personal	81,307	80,896	82,112	82,144	81,736	81,540	82,022	82,861	81,833	82,112	82,022
Credit cards	19,057	18,505	18,793	18,461	17,959	17,490	17,491	17,287	16,838	18,793	17,491
Small business	5,075	4,954	4,866	4,775	4,629	4,525	4,493	4,410	3,828	4,866	4,493
Retail	377,233	373,308	371,602	367,615	362,298	361,367	359,805	355,556	348,100	371,602	359,805
Wholesale ²	134,948	127,600	118,627	114,275	103,072	97,158	99,158	94,419	89,009	118,627	99,158
United States											
Retail	23,027	21,683	21,033	20,231	19,233	17,853	18,100	17,311	18,376	21,033	18,100
Wholesale ²	59,041	60,560	59,476	55,277	58,154	54,173	55,037	55,101	62,311	59,476	55,037
	82,068	82,243	80,509	75,508	77,387	72,026	73,137	72,412	80,687	80,509	73,137
Other International											
Retail	6,962	6,776	6,817	7,038	7,027	7,015	7,265	7,002	7,692	6,817	7,265
Wholesale ²	20,373	19,735	17,837	17,597	20,085	19,633	21,870	22,127	23,531	17,837	21,870
	27,335	26,511	24,654	24,635	27,112	26,648	29,135	29,129	31,223	24,654	29,135
Total											
Retail	407,222	401,767	399,452	394,884	388,558	386,235	385,170	379,869	374,168	399,452	385,170
Wholesale ²	214,362	207,895	195,940	187,149	181,311	170,964	176,065	171,647	174,851	195,940	176,065
Total loans and acceptances	621,584	609,662	595,392	582,033	569,869	557,199	561,235	551,516	549,019	595,392	561,235

¹ Wholesale - Real estate and related loans and acceptances in Q2/19 is comprised of amounts based in Canada of \$39.0 billion, United States of \$10.7 billion and Other International of \$2.5 billion.

² Geographic information is based on residence of borrower.

GROSS IMPAIRED LOANS ¹ (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
GIL by portfolio and sector											
Retail											
Residential mortgages	753	753	725	736	766	749	634	621	723	725	634
HELOC	121	115	114	114	102	103	116	120	102	114	116
Other personal	194	194	188	182	190	184	160	165	178	188	160
Total personal	315	309	302	296	292	287	276	285	280	302	276
Small business	48	46	44	44	42	43	38	38	40	44	38
	1,116	1,108	1,071	1,076	1,100	1,079	948	944	1,043	1,071	948
Wholesale											
Agriculture	28	19	29	22	17	17	28	24	35	29	28
Automotive	40	7	7	7	29	31	29	20	25	7	29
Banking	14	15	18	20	22	23	26	31	-	18	26
Consumer discretionary	129	127	138	247	281	258	77	109	124	138	77
Consumer staples	25	21	23	19	19	24	55	30	26	23	55
Oil and gas	506	226	230	278	419	283	318	481	624	230	318
Financial services	85	83	80	80	79	105	113	108	118	80	113
Financing products	-	-	-	-	-	-	-	-	-	-	-
Forest products	33	5	9	9	9	12	7	10	16	9	7
Governments	9	9	15	14	10	7	8	10	5	15	8
Industrial products	60	48	42	37	42	36	34	32	41	42	34
Information technology	42	9	2	3	7	43	70	53	69	2	70
Investments	12	13	8	14	19	23	25	86	100	8	25
Mining and metals	2	2	2	3	2	2	3	4	8	2	3
Public works and infrastructure	57	9	3	3	12	5	4	4	5	3	4
Real estate and related ²	413	433	290	289	346	341	340	413	367	290	340
Other services	103	82	73	66	141	148	158	178	171	73	158
Telecommunication and Media	8	8	8	9	21	13	12	29	31	8	12
Transportation	12	33	58	52	6	6	7	7	9	58	7
Utilities	283	460	8	8	8	8	10	12	56	8	10
Other	49	49	48	45	45	39	48	43	45	48	48
	1,910	1,658	1,091	1,225	1,534	1,424	1,372	1,684	1,875	1,091	1,372
Acquired credit-impaired loans ³	16	16	21	20	21	24	256	268	331	21	256
Total GIL	3,042	2,782	2,183	2,321	2,655	2,527	2,576	2,896	3,249	2,183	2,576
GIL by geography ⁴ and portfolio											
Canada											
Residential mortgages	461	452	431	426	448	443	323	324	362	431	323
HELOC	110	110	109	111	98	99	96	98	100	109	96
Other personal	144	141	139	129	134	130	102	103	109	139	102
Total personal	254	251	248	240	232	229	198	201	209	248	198
Small business	48	46	44	44	42	43	38	38	40	44	38
Retail	763	749	723	710	722	715	559	563	611	723	559
Wholesale	630	407	396	383	527	518	426	467	405	396	426
Total - Canada	1,393	1,156	1,119	1,093	1,249	1,233	985	1,030	1,016	1,119	985
United States											
Retail	31	30	23	32	37	39	59	61	76	23	59
Wholesale	969	949	401	354	497	386	736	978	1,243	401	736
	1,000	979	424	386	534	425	795	1,039	1,319	424	795
Other International											
Retail	324	331	327	336	343	327	345	335	373	327	345
Wholesale	325	316	313	506	529	542	451	492	541	313	451
	649	647	640	842	872	869	796	827	914	640	796
Total GIL	3,042	2,782	2,183	2,321	2,655	2,527	2,576	2,896	3,249	2,183	2,576

¹ Effective November 1, 2017, the definition of GIL has been shortened for certain products to align with a definition of default of 90 days past due under IFRS 9, resulting in an increase in GIL of \$134 million. For further details on the impacts of the adoption of IFRS 9 including the description of accounting policies selected, refer to the 2018 Annual Report.

² Wholesale - Real estate and related GIL in Q2/19 is comprised of amounts based in Canada of \$170 million, United States of \$159 million and Other International of \$84 million.

³ Effective November 1, 2017, GIL excludes \$229 million of acquired credit impaired loans related to our acquisition of City National that have returned to performing status.

⁴ Geographic information is based on residence of borrower.

GROSS IMPAIRED LOANS <i>continued</i> (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
Impaired loans book movements (Change in GIL)											
Balance at beginning of period											
Retail	1,110	1,073	1,078	1,102	1,081	963	959	1,060	1,044	963	1,078
Wholesale	1,672	1,110	1,243	1,553	1,446	1,613	1,937	2,189	2,515	1,613	2,825
	2,782	2,183	2,321	2,655	2,527	2,576	2,896	3,249	3,559	2,576	3,903
Classified as impaired during the period (New impaired) ¹											
Retail	367	362	346	312	342	349	322	278	314	1,349	1,219
Wholesale	795	771	207	75	252	345	203	216	287	879	1,050
	1,162	1,133	553	387	594	694	525	494	601	2,228	2,269
Transferred to not impaired during the period (Return to performing status) ¹											
Retail	(3)	-	(7)	(8)	(1)	-	-	-	-	(16)	(3)
Wholesale	(20)	(44)	(119)	(65)	(35)	(85)	(176)	(41)	(409)	(304)	(764)
	(23)	(44)	(126)	(73)	(36)	(85)	(176)	(41)	(409)	(320)	(767)
Net repayments ¹											
Retail	(30)	(16)	(29)	(19)	(21)	(20)	(29)	(44)	(19)	(89)	(111)
Wholesale	(99)	(83)	(78)	(230)	(112)	(106)	(284)	(181)	(201)	(526)	(1,081)
	(129)	(99)	(107)	(249)	(133)	(126)	(313)	(225)	(220)	(615)	(1,192)
Amounts written off											
Retail	(333)	(309)	(320)	(313)	(310)	(294)	(302)	(297)	(299)	(1,237)	(1,199)
Wholesale	(168)	(68)	(62)	(82)	(36)	(27)	(82)	(54)	(55)	(207)	(226)
	(501)	(377)	(382)	(395)	(346)	(321)	(384)	(351)	(354)	(1,444)	(1,425)
Recoveries of loans and advances previously written off											
Retail	-	-	-	-	-	-	-	-	-	-	-
Wholesale	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
Disposal of loans (sold) ¹											
Retail	-	-	-	-	-	-	-	-	-	-	-
Wholesale	(282)	(12)	(86)	(23)	-	-	(22)	(10)	(33)	(109)	(67)
	(282)	(12)	(86)	(23)	-	-	(22)	(10)	(33)	(109)	(67)
Exchange and other movements ^{1, 2}											
Retail	7	-	5	4	11	83	13	(38)	20	103	(21)
Wholesale	26	(2)	5	15	38	(294)	37	(182)	85	(236)	(124)
	33	(2)	10	19	49	(211)	50	(220)	105	(133)	(145)
Balance at end of period											
Retail	1,118	1,110	1,073	1,078	1,102	1,081	963	959	1,060	1,073	963
Wholesale	1,924	1,672	1,110	1,243	1,553	1,446	1,613	1,937	2,189	1,110	1,613
	3,042	2,782	2,183	2,321	2,655	2,527	2,576	2,896	3,249	2,183	2,576
Net impaired loans by geography ³ and portfolio											
Canada											
Residential mortgages	416	405	388	392	414	408	292	294	330	388	292
HELOC	82	80	81	82	73	74	72	73	75	81	72
Other personal	65	59	60	52	61	55	35	33	39	60	35
Total personal	147	139	141	134	134	129	107	106	114	141	107
Small business	31	29	26	23	22	25	19	20	22	26	19
Retail	594	573	555	549	570	562	418	420	466	555	418
Wholesale	438	296	304	279	386	378	302	339	284	304	302
United States ⁴											
Retail	31	28	22	31	35	38	58	60	75	22	58
Wholesale	828	723	237	228	360	251	586	740	1,034	237	586
	859	751	259	259	395	289	644	800	1,109	259	644
Other International											
Retail	155	162	161	165	172	170	177	172	193	161	177
Wholesale	201	205	204	350	344	375	298	347	368	204	298
	356	367	365	515	516	545	475	519	561	365	475
Total											
Retail	780	763	738	745	777	770	653	652	734	738	653
Wholesale	1,467	1,224	745	857	1,090	1,004	1,186	1,426	1,686	745	1,186
Total net impaired loans	2,247	1,987	1,483	1,602	1,867	1,774	1,839	2,078	2,420	1,483	1,839

¹ Certain GIL movements for Canadian Banking retail and wholesale portfolios are generally allocated to New Impaired, as Return to performing status, Net repayments, Sold, and Exchange and other movements amounts are not reasonably determinable. Certain GIL movements for Caribbean Banking retail and wholesale portfolios are generally allocated to Net repayments and New Impaired, as Return to performing status, Sold, and Exchange and other movements amounts are not reasonably determinable.

² Effective November 1, 2017, the definition of GIL has been shortened for certain products to align with a definition of default of 90 days past due under IFRS 9, resulting in an increase in GIL of \$134 million. For further details on the impacts of the adoption of IFRS 9 including the description of accounting policies selected, refer to the 2018 Annual Report. Additionally, effective November 1, 2017, GIL excludes \$229 million of acquired credit impaired loans related to our acquisition of City National that have returned to performing status.

³ Geographic information is based on residence of borrower, net of allowance for impaired loans.

⁴ Includes acquired credit-impaired loans.

GROSS IMPAIRED LOANS <i>continued</i> (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
Net write-offs by geography¹ and portfolio											
Canada											
Residential mortgages	6	4	5	7	6	8	8	7	7	26	28
HELOC	4	2	3	3	5	4	4	4	4	15	14
Other personal	113	112	115	103	101	98	101	95	102	417	404
Total personal	117	114	118	106	106	102	105	99	106	432	418
Credit cards	122	116	114	116	119	107	102	108	109	456	426
Small business	8	5	9	7	5	7	8	6	9	28	29
Retail	253	239	246	236	236	224	223	220	231	942	901
Wholesale	25	16	24	35	13	11	17	22	17	83	59
United States²											
Retail	3	1	1	2	1	-	1	-	1	4	3
Wholesale	128	44	(6)	16	3	6	52	11	26	19	96
	131	45	(5)	18	4	6	53	11	27	23	99
Other International											
Retail	10	2	-	8	8	8	11	6	7	24	31
Wholesale	2	1	31	6	2	1	6	1	5	40	5
	12	3	31	14	10	9	17	7	12	64	36
Total											
Retail	266	242	247	246	245	232	235	226	239	970	935
Wholesale	155	61	49	57	18	18	75	34	48	142	160
Total net write-offs	421	303	296	303	263	250	310	260	287	1,112	1,095

¹ Geographic information is based on residence of borrower.

² Includes acquired credit-impaired loans.

PROVISION FOR CREDIT LOSSES (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019	2018	2018	2017
										6 months	6 months		
PCL - loans by portfolio and sector													
Retail	30	33	26	44	26	20				63	46	116	
Wholesale	(24)	60	18	46	(46)	(11)				36	(57)	7	
PCL on performing loans (IFRS 9 - Stage 1 and 2) ¹	6	93	44	90	(20)	9				99	(11)	123	
Retail													
Residential mortgages	14	21	7	16	13	15	20	10	20	35	28	51	56
HELOC	3	5	3	8	7	6	4	5	5	8	13	24	17
Other personal	107	118	115	108	108	107	98	96	92	225	215	438	392
Total personal	110	123	118	116	115	113	102	101	97	233	228	462	409
Credit cards	125	120	117	118	123	110	107	108	110	245	233	468	435
Small business	9	5	6	9	8	7	10	7	8	14	15	30	32
	258	269	248	259	259	245	239	226	235	527	504	1,011	932
Wholesale													
Agriculture	3	1	-	1	-	-	-	1	-	4	-	1	4
Automotive	2	1	-	1	4	-	6	1	-	3	4	5	14
Banking	-	-	-	(1)	-	-	-	3	-	-	-	(1)	3
Consumer discretionary	9	4	8	(2)	26	49	8	4	5	13	75	81	12
Consumer staples	17	(1)	1	-	-	-	1	1	2	16	-	1	6
Oil and gas	35	6	8	(23)	4	12	(20)	(1)	31	41	16	1	(28)
Financial services	1	-	-	1	-	(1)	-	(18)	-	1	(1)	-	(18)
Financing products	-	-	-	-	-	-	-	-	-	-	-	-	-
Forest products	1	1	2	1	-	-	-	1	1	2	-	3	3
Governments	-	5	2	1	1	-	-	-	1	5	1	4	1
Industrial products	20	13	4	3	2	(1)	-	6	2	33	1	8	11
Information technology	28	-	(1)	(1)	(9)	(10)	1	5	-	28	(19)	(21)	4
Investments	1	-	1	1	-	1	-	(2)	1	1	1	3	-
Mining and metals	-	-	-	-	-	-	-	-	(5)	-	-	-	(4)
Public works and infrastructure	41	1	-	-	1	1	1	-	-	42	2	2	1
Real estate and related ²	3	38	10	(4)	3	4	(6)	56	4	41	7	13	120
Other services	8	5	5	(9)	2	24	4	4	7	13	26	22	20
Telecommunication and Media	-	-	-	(1)	1	-	(4)	2	3	-	1	-	8
Transportation	1	3	9	21	1	1	1	-	1	4	2	32	1
Utilities	5	76	1	-	-	-	-	5	-	81	-	1	5
Other	1	2	(9)	(1)	3	(1)	3	25	13	3	2	(8)	53
	176	155	41	(12)	39	79	(5)	93	66	331	118	147	216
Acquired credit-impaired loans	1	(1)	-	1	-	1	-	1	1	-	1	2	2
Total PCL on impaired loans (IFRS 9 - Stage 3) ³	435	423	289	248	298	325	234	320	302	858	623	1,160	1,150
Provision for loans not yet identified as impaired ¹													
PCL - Loans ^{1,3}	441	516	333	338	278	334				957	612	1,283	
PCL - Other financial assets ⁴	(15)	(2)	20	8	(4)	-				(17)	(4)	24	
Total PCL	426	514	353	346	274	334	234	320	302	940	608	1,307	1,150

¹ PCL on performing loans and acceptances represents Stage 1 and Stage 2 PCL on loans, commitments and acceptances under IFRS 9 and PCL on loans not yet identified as impaired under IAS 39.

² Wholesale - Real estate and related PCL in Q2/19 is comprised of losses based in Canada of \$12 million, United States of \$(10) million, and Other International of \$1 million.

³ PCL on impaired loans and acceptances represents Stage 3 PCL on loans and acceptances under IFRS 9 and PCL on impaired loans under IAS 39.

⁴ PCL on other financial assets relates to all other financial assets except for those classified or designated as FVTPL and equity securities designated as FVOCI. For further details refer to our 2018 Annual Report including Notes 4 and 5.

PROVISION FOR CREDIT LOSSES <i>continued</i> ¹ (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
PCL on impaired loans (IFRS 9 - Stage 3) ¹ by geography ² and portfolio:													
Canada													
Residential mortgages	6	10	17	10	7	10	11	7	9	16	17	44	33
HELOC	3	6	3	8	7	6	4	5	5	9	13	24	17
Other personal	113	115	118	109	100	107	99	96	95	228	207	434	396
Total personal	116	121	121	117	107	113	103	101	100	237	220	458	413
Credit cards	122	116	115	115	119	107	102	107	109	238	226	456	426
Small business	9	5	6	9	8	7	10	7	8	14	15	30	32
Retail	253	252	259	251	241	237	226	222	226	505	478	988	904
Wholesale	113	41	22	3	21	34	19	37	28	154	55	80	95
Total Canada	366	293	281	254	262	271	245	259	254	659	533	1,068	999
United States ³													
Retail	1	2	1	1	1	1	2	-	1	3	2	4	3
Wholesale	48	110	34	7	1	22	(34)	67	42	158	23	64	117
	49	112	35	8	2	23	(32)	67	43	161	25	68	120
Other International													
Retail	4	15	(12)	7	17	7	11	4	8	19	24	19	25
Wholesale	16	3	(15)	(21)	17	24	10	(10)	(3)	19	41	5	6
	20	18	(27)	(14)	34	31	21	(6)	5	38	65	24	31
PCL (IFRS 9 - Stage 3) on impaired loans ¹	435	423	289	248	298	325	234	320	302	858	623	1,160	1,150

¹ PCL on impaired loans and acceptances represents Stage 3 PCL on loans and acceptances under IFRS 9 and PCL on impaired loans under IAS 39.

² Geographic information is based on residence of borrower.

³ Includes acquired credit-impaired loans.

ALLOWANCE FOR CREDIT LOSSES (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
ACL - loans by portfolio and sector ^{1,2}											
Retail	1,818	1,785	1,753	1,724	1,678	1,643				1,753	
Wholesale	677	693	635	614	564	599				635	
ACL on performing loans (IFRS 9 - Stage 1 and 2) ¹	2,495	2,478	2,388	2,338	2,242	2,242				2,388	
Retail											
Residential mortgages	192	192	176	173	170	166	169	161	175	176	169
HELOC	28	30	28	29	25	25	24	26	26	28	24
Other personal	101	108	113	110	110	102	97	101	106	113	97
Total personal	129	138	141	139	135	127	121	127	132	141	121
Small business	17	17	18	21	20	18	19	18	18	18	19
Wholesale	338	347	335	333	325	311	309	306	325	335	309
Agriculture	4	2	4	4	4	4	5	5	5	4	5
Automotive	7	5	4	5	15	10	11	6	6	4	11
Banking	-	1	1	1	2	2	2	3	-	1	2
Consumer discretionary	11	13	43	63	84	68	19	23	27	43	19
Consumer staples	2	3	7	5	5	5	5	5	5	7	5
Oil and gas	108	73	78	74	103	95	98	130	157	78	98
Financial services	21	20	22	22	21	20	23	22	44	22	23
Financing products	-	-	-	-	-	-	-	-	-	-	-
Forest products	7	6	3	3	3	3	3	3	6	3	3
Governments	5	4	2	4	3	2	1	1	2	2	1
Industrial products	36	21	13	12	14	14	13	12	11	13	13
Information technology	34	4	-	1	2	11	16	14	6	-	16
Investments	4	4	3	4	3	7	6	7	9	3	6
Mining and metals	1	1	-	-	-	-	3	3	3	-	3
Public works and infrastructure	42	1	1	1	2	1	1	1	1	1	1
Real estate and related ³	76	127	110	112	125	120	127	161	121	110	127
Other services	38	35	16	20	43	45	22	25	25	16	22
Telecommunication and Media	6	7	3	3	5	4	4	15	14	3	4
Transportation	6	19	31	22	2	1	2	2	2	31	2
Utilities	24	76	-	1	-	1	-	-	3	-	-
Other	23	24	20	25	24	26	64	71	54	20	64
Acquired credit-impaired loans	455	446	361	382	460	439	425	509	501	361	425
ACL on impaired loans (IFRS 9 - Stage 3) ²	2	2	4	4	3	3	3	3	3	4	3
Allowance for loans not yet identified as impaired ¹	795	795	700	719	788	753	737	818	829	700	737
ACL - loans ^{1,2}	3,290	3,273	3,088	3,057	3,030	2,995	2,250	2,327	2,349	3,088	2,250
ACL on other financial assets	56	69	71	113	104	103				71	
Total ACL	3,346	3,342	3,159	3,170	3,134	3,098	2,250	2,327	2,349	3,159	2,250
Additional information on ACL by type											
Allowance for loans losses							2,159	2,236	2,258		2,159
Allowance for off-balance sheet items							91	91	91		91
Total							2,250	2,327	2,349		2,250

¹ ACL on performing loans represents Stage 1 and Stage 2 ACL on loans, acceptances and commitments under IFRS 9 and allowance for loans, acceptances and commitments not yet identified as impaired under IAS 39.

² ACL on impaired loans represents Stage 3 ACL on loans and acceptances under IFRS 9 and ACL on impaired loans under IAS 39.

³ Wholesale - Real estate and related ACL in Q2/19 is comprised of allowances based in Canada of \$26 million, United States of \$21 million and Other International of \$29 million.

ALLOWANCE FOR CREDIT LOSSES <i>continued</i> (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
ACL on impaired loans (IFRS 9 - Stage 3) ¹ by geography ² and portfolio											
Canada											
Residential mortgages	45	47	43	34	34	35	31	30	32	43	31
HELOC	28	30	28	29	25	25	24	25	25	28	24
Other personal	79	82	79	77	73	75	67	70	70	79	67
Total personal	107	112	107	106	98	100	91	95	95	107	91
Small business	17	17	18	21	20	18	19	18	18	18	19
Retail	169	176	168	161	152	153	141	143	145	168	141
Wholesale	192	111	92	104	141	140	124	128	121	92	124
Canada - Total	361	287	260	265	293	293	265	271	266	260	265
United States ³											
Retail	-	2	1	1	2	1	1	1	1	1	1
Wholesale	141	226	164	126	137	135	150	238	209	164	150
United States - Total	141	228	165	127	139	136	151	239	210	165	151
Other International											
Retail	169	169	166	171	171	157	168	163	180	166	168
Wholesale	124	111	109	156	185	167	153	145	173	109	153
Other International - Total	293	280	275	327	356	324	321	308	353	275	321
ACL on impaired loans (IFRS 9 - Stage 3) ¹	795	795	700	719	788	753	737	818	829	700	737
Impairment allowance - movements - Loans											
ACL on performing loans (IFRS 9 - Stage 1 and 2) ⁴											
Balance at beginning of period	2,478	2,388	2,338	2,242	2,242	2,256	1,509	1,520	1,515	2,256	1,517
Charge to income statement (PCL)	6	93	44	90	(20)	9	-	-	-	123	-
Disposal of loans	-	-	-	-	-	-	-	-	-	-	-
Exchange and other movements	11	(3)	6	6	20	(23)	4	(11)	5	9	(4)
Balance at the end of the period	2,495	2,478	2,388	2,338	2,242	2,242	1,513	1,509	1,520	2,388	1,513
ACL on impaired loans (IFRS 9 - Stage 3) ^{1,3}											
Balance at beginning of period	795	700	719	788	753	720	818	829	815	720	809
Amounts written off	(501)	(377)	(382)	(395)	(346)	(321)	(384)	(351)	(354)	(1,444)	(1,425)
Recoveries of amounts written off in previous period	80	74	86	92	83	71	74	91	67	332	330
Charge to income statement (PCL)	435	423	289	248	298	325	234	320	302	1,160	1,150
Disposal of loans	-	-	-	-	-	-	-	-	-	-	-
Exchange and other movements	(14)	(25)	(12)	(14)	-	(42)	(5)	(71)	(1)	(68)	(127)
Balance at the end of the period	795	795	700	719	788	753	737	818	829	700	737

¹ ACL on impaired loans and acceptances represents Stage 3 ACL on loans and acceptances under IFRS 9 and Allowance for impaired loans under IAS 39.

² Geographic information is based on residence of borrower.

³ Includes acquired credit-impaired loans related to the acquisition of City National.

⁴ ACL on performing loans and acceptances represents Stage 1 and Stage 2 ACL on loans, acceptances and commitments under IFRS 9 and allowance for loans, acceptances and commitments not yet identified as impaired under IAS 39.

CREDIT QUALITY RATIOS	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Diversification ratios													
Portfolio as a % of Total loans and acceptances													
Retail	66%	66%	67%	68%	68%	69%	69%	69%	68%	66%	68%	67%	69%
Wholesale	34%	34%	33%	32%	32%	31%	31%	31%	32%	34%	32%	33%	31%
Canada	83%	82%	82%	83%	82%	82%	82%	82%	79%	83%	82%	82%	82%
United States	13%	14%	14%	13%	13%	13%	13%	13%	15%	13%	13%	14%	13%
Other International	4%	4%	4%	4%	5%	5%	5%	5%	6%	4%	5%	4%	5%
Condition ratios													
GIL as a % of Related loans and acceptances													
Retail	0.49%	0.46%	0.37%	0.40%	0.47%	0.45%	0.46%	0.53%	0.59%	0.49%	0.47%	0.37%	0.46%
Wholesale	0.27%	0.28%	0.27%	0.27%	0.28%	0.28%	0.25%	0.25%	0.28%	0.27%	0.28%	0.27%	0.25%
Canada	0.90%	0.80%	0.57%	0.66%	0.86%	0.85%	0.92%	1.13%	1.25%	0.90%	0.86%	0.57%	0.92%
United States	0.27%	0.23%	0.23%	0.23%	0.27%	0.27%	0.21%	0.23%	0.23%	0.27%	0.27%	0.23%	0.21%
Other International	1.22%	1.19%	0.53%	0.51%	0.69%	0.59%	1.09%	1.43%	1.63%	1.22%	0.69%	0.53%	1.09%
Net Impaired Loans as a % of Related loans and acceptances	2.37%	2.44%	2.60%	3.42%	3.22%	3.26%	2.73%	2.84%	2.93%	2.37%	3.22%	2.60%	2.73%
Retail	0.36%	0.33%	0.25%	0.28%	0.33%	0.32%	0.33%	0.38%	0.44%	0.36%	0.33%	0.25%	0.33%
Wholesale	0.19%	0.19%	0.18%	0.19%	0.20%	0.20%	0.17%	0.17%	0.20%	0.19%	0.20%	0.18%	0.17%
Canada	0.68%	0.59%	0.38%	0.46%	0.60%	0.59%	0.67%	0.83%	0.96%	0.68%	0.60%	0.38%	0.67%
United States	0.20%	0.17%	0.18%	0.17%	0.21%	0.21%	0.16%	0.17%	0.17%	0.20%	0.21%	0.18%	0.16%
Other International	1.05%	0.91%	0.32%	0.34%	0.51%	0.40%	0.88%	1.11%	1.37%	1.05%	0.51%	0.32%	0.88%
PCL on performing loans (IFRS 9 - Stage 1 and 2) as a % of average net loans and acceptances ¹	1.30%	1.39%	1.48%	2.09%	1.91%	2.05%	1.63%	1.78%	1.80%	1.30%	1.91%	1.48%	1.63%
PCL on impaired loans (IFRS 9 - Stage 3) as a % of Related average net loans and acceptances ²	0.00%	0.06%	0.03%	0.06%	(0.02)%	0.01%				0.04%	(0.01)%	0.03%	
Retail	0.29%	0.28%	0.20%	0.17%	0.22%	0.23%	0.17%	0.23%	0.23%	0.28%	0.23%	0.20%	0.21%
Wholesale	0.26%	0.27%	0.25%	0.26%	0.27%	0.25%	0.25%	0.24%	0.26%	0.27%	0.26%	0.26%	0.24%
Canada	0.34%	0.30%	0.09%	(0.02)%	0.09%	0.19%	(0.01)%	0.22%	0.16%	0.32%	0.14%	0.08%	0.13%
United States	0.30%	0.23%	0.23%	0.21%	0.23%	0.24%	0.22%	0.23%	0.24%	0.27%	0.23%	0.23%	0.22%
Other International	0.25%	0.54%	0.18%	0.04%	0.01%	0.13%	(0.18)%	0.35%	0.23%	0.40%	0.07%	0.09%	0.16%
ACL on loans and acceptances as a % of Total loans and acceptances	0.31%	0.28%	(0.44)%	(0.22)%	0.53%	0.46%	0.30%	(0.08)%	0.08%	0.30%	0.49%	0.09%	0.11%
Coverage ratios													
ACL on loans and acceptances as a % of Total loans and acceptances													
Retail	0.53%	0.54%	0.52%	0.53%	0.53%	0.54%	0.40%	0.42%	0.43%	0.53%	0.53%	0.52%	0.40%
Wholesale	0.13%	0.13%	0.12%	0.12%	0.14%	0.14%	0.13%	0.15%	0.15%	0.13%	0.14%	0.12%	0.13%
Canada	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%
Other International	0.07%	0.07%	0.06%	0.06%	0.08%	0.08%	0.08%	0.09%	0.09%	0.07%	0.08%	0.06%	0.08%
ACL against impaired loans (IFRS 9 - Stage 3) as a % of Total loans and acceptances ³													
Retail	26.15%	28.58%	32.08%	30.97%	29.66%	29.78%	28.61%	28.24%	25.52%	26.15%	29.66%	32.08%	28.61%
Wholesale	30.30%	31.28%	31.21%	30.87%	29.46%	28.85%	32.16%	31.98%	30.78%	30.30%	29.46%	31.21%	32.16%
Canada	23.74%	26.79%	32.92%	31.06%	29.80%	30.48%	26.49%	26.39%	22.98%	23.74%	29.80%	32.92%	26.49%
Total net write-offs as a % of Related average net loans and acceptances													
Retail	0.28%	0.20%	0.20%	0.21%	0.19%	0.18%	0.23%	0.19%	0.22%	0.24%	0.19%	0.20%	0.20%
Wholesale	0.27%	0.24%	0.25%	0.25%	0.26%	0.24%	0.25%	0.24%	0.26%	0.26%	0.25%	0.25%	0.25%
Canada	0.30%	0.12%	0.10%	0.13%	0.04%	0.04%	0.17%	0.08%	0.12%	0.21%	0.04%	0.08%	0.09%
United States	0.23%	0.20%	0.22%	0.23%	0.22%	0.20%	0.21%	0.22%	0.24%	0.21%	0.21%	0.22%	0.21%
Other International	0.66%	0.22%	(0.02)%	0.10%	0.01%	0.04%	0.30%	0.06%	0.14%	0.43%	0.03%	0.03%	0.13%
	0.18%	0.05%	0.49%	0.23%	0.17%	0.12%	0.23%	0.11%	0.15%	0.12%	0.14%	0.25%	0.12%

¹ PCL on performing loans ratio under IFRS 9 is calculated using PCL on Stage 1 and 2 loans and acceptances as a percentage of average net loans and acceptances.

² PCL on impaired loans ratio under IFRS 9 is calculated using PCL on Stage 3 loans and acceptances as a percentage of average net loans and acceptances. Under IAS 39, the ratio was calculated using PCL on impaired loans as a percentage of average net loans and acceptances.

³ ACL on impaired loans ratio under IFRS 9 is calculated using ACL on Stage 3 loans and acceptances as a percentage of gross loans and acceptances. Under IAS 39, the ratio was calculated using ACL on impaired loans as a percentage of gross loans and acceptances.

⁴ ACL against impaired loans ratio under IFRS 9 is calculated using ACL on Stage 3 loans and acceptances as a percentage of GIL. Under IAS 39, the ratio was calculated using ACL on impaired loans as a percentage of GIL.

CREDIT RISK EXPOSURE BY GEOGRAPHY AND PORTFOLIO (Millions of Canadian dollars)	Credit Risk ¹			Counterparty credit risk ²		Q2/19	Q1/19	Q4/18	Q3/18	Q2/18
	On-balance sheet	Off-balance sheet amount ³		Repo-style transactions		Total	Total	Total	Total	Total
	Amount	Undrawn	Other ⁴		Derivatives					
Credit risk exposure by geography⁵ and portfolio										
Canada										
Residential secured ⁶	282,613	62,345	-	-	-	344,958	341,683	339,200	338,030	334,017
Qualifying revolving ⁷	25,568	69,565	-	-	-	95,133	94,586	89,221	80,402	80,828
Other retail	51,923	12,703	63	-	-	64,689	63,127	60,473	59,964	58,272
Total Canada retail	360,104	144,613	63	-	-	504,780	499,396	488,894	478,396	473,117
Corporate	129,883	59,409	8,778	7,449	27,945	233,464	227,936	216,126	211,898	196,116
Sovereign	29,627	8,345	683	6,211	3,726	48,592	44,135	44,812	40,617	39,587
Bank	12,529	360	112	59,333	3,525	75,859	79,651	83,242	77,782	72,151
Total Canada wholesale	172,039	68,114	9,573	72,993	35,196	357,915	351,722	344,180	330,297	307,854
Total Canada	532,143	212,727	9,636	72,993	35,196	862,695	851,118	833,074	808,693	780,971
United States										
Residential secured ⁶	16,810	110	-	-	-	16,920	15,963	15,456	14,707	13,867
Qualifying revolving ⁷	76	329	-	-	-	405	391	380	365	365
Other retail	4,591	1,699	9	-	-	6,299	6,017	5,712	5,714	5,883
Total United States retail	21,477	2,138	9	-	-	23,624	22,371	21,548	20,786	20,115
Corporate	67,802	53,481	7,425	36,234	13,998	178,940	173,163	170,557	173,273	171,356
Sovereign	41,468	2,796	1,668	991	1,233	48,156	58,531	58,616	64,151	53,589
Bank	5,215	712	183	9,325	3,979	19,414	18,627	22,931	21,095	21,230
Total United States wholesale	114,485	56,989	9,276	46,550	19,210	246,510	250,321	252,104	258,519	246,175
Total United States	135,962	59,127	9,285	46,550	19,210	270,134	272,692	273,652	279,305	266,290
Other International										
Retail										
Residential secured ⁶	3,895	222	-	-	-	4,117	3,926	3,739	3,547	2,560
Qualifying revolving ⁷	38	231	-	-	-	269	250	239	225	226
Other retail	697	15	1	-	-	713	715	730	732	1,548
Total other international retail	4,630	468	1	-	-	5,099	4,891	4,708	4,504	4,334
Corporate	14,817	17,819	1,216	9,147	10,508	53,507	48,028	59,997	56,161	59,047
Sovereign	50,326	3,029	35	3,451	5,835	62,676	71,423	66,095	73,572	72,930
Bank	15,580	800	226	43,084	11,300	70,990	66,088	72,171	77,918	79,097
Total other international wholesale	80,723	21,648	1,477	55,682	27,643	187,173	185,539	198,263	207,651	211,074
Total Other International	85,353	22,116	1,478	55,682	27,643	192,272	190,430	202,971	212,155	215,408
Total exposure ⁸	753,458	293,970	20,399	175,225	82,049	1,325,101	1,314,240	1,309,697	1,300,153	1,262,669

¹ EAD for Standardized exposures are reported net of allowances for impaired assets and EAD for internal ratings based exposures are reported gross of all allowances for credit losses and partial write-off as per regulatory definitions.

² Counterparty credit risk EAD reflects exposure amounts after netting. Collateral is included in EAD for repo-style transactions to the extent allowed by regulatory guidelines.

³ EAD for undrawn credit commitments and other off-balance sheet amounts are reported after the application of credit conversion factors.

⁴ Includes other off-balance sheet exposures such as letters of credit and guarantees.

⁵ Geographic profile is based on the country of residence of the borrower.

⁶ Includes residential mortgages and home equity lines of credit.

⁷ Includes credit cards, unsecured lines of credit and overdraft protection products.

⁸ Excludes securitization, banking book equities and other assets not subject to the standardized or internal ratings based approach.

EXPOSURE COVERED BY CREDIT RISK MITIGATION (Millions of Canadian dollars)	Q2/19				Q1/19				Q4/18				Q3/18			
	Standardized		IRB ²		Standardized		IRB ²		Standardized		IRB ²		Standardized		IRB ²	
	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives ³	Guarantees/credit derivatives	Total
Retail																
Residential mortgages	-	18,549	45,707	64,256	-	18,560	46,188	64,748	-	18,518	46,936	65,454	-	19,411	81,536	100,947
Personal	-	-	460	460	-	-	464	464	-	-	448	448	-	-	916	916
Small business	-	-	557	557	-	-	526	526	-	-	339	339	-	-	454	454
	-	18,549	46,724	65,273	-	18,560	47,178	65,738	-	18,518	47,723	66,241	-	19,411	82,906	102,317
Wholesale	8,591	-	3,832	12,423	8,828	-	3,827	12,655	9,730	-	4,088	13,818	9,952	-	5,984	15,936
Total exposure covered by credit risk mitigation	8,591	18,549	50,556	77,696	8,828	18,560	51,005	78,393	9,730	18,518	51,811	80,059	9,952	19,411	88,890	118,253

¹ Eligible financial collateral includes cash and deposits, as well as qualifying debt securities, equities and mutual funds.

² Under the IRB Approach, disclosure on eligible financial collateral is not required as the benefit the collateral provides has been taken into account in the Loss Given Default (LGD) estimates in our internal LGD risk rating system.

³ Amounts have been revised from those previously presented.

ACTUAL LOSSES VS. ESTIMATED LOSSES (Millions of Canadian dollars, except percentage and per share amounts)	Q2/19		Q1/19		Q4/18			Q3/18	
	Actual loss rate ¹	Estimated loss rate ²	Actual loss rate ¹	Estimated loss rate ²	Actual loss rate ¹	Estimated loss rate ²	Average historical actual loss rate ³	Actual loss rate ¹	Estimated loss rate ²
Residential mortgages	0.02%	0.09%	0.02%	0.09%	0.02%	0.09%	0.02%	0.02%	0.09%
Personal	0.51%	0.69%	0.51%	0.74%	0.50%	0.74%	0.06%	0.48%	0.71%
Credit cards	2.47%	3.11%	2.51%	3.30%	2.49%	3.20%	2.98%	2.49%	3.11%
Small business	0.57%	2.13%	0.58%	2.24%	0.64%	2.33%	1.38%	0.74%	2.39%
Retail	0.26%	0.40%	0.26%	0.42%	0.26%	0.42%	0.34%	0.26%	0.41%
Wholesale	0.18%	0.78%	0.12%	0.77%	0.08%	0.74%	0.31%	0.06%	0.82%

BASEL PILLAR 3 BACK-TESTING (INTERNAL RATINGS BASED) ^{4, 5}

	Q2 2019					
	Average probability of default (PD)		Average loss given default (LGD)		Average Exposure at Default (EAD) ⁶	
	Actual %	Estimated %	Actual %	Estimated %	Actual %	Estimated %
Retail						
Residential mortgages						
<i>Uninsured</i>	0.46%	0.99%	5.29%	17.33%	100.00%	100.00%
<i>Insured</i>	0.71%	1.71%	n.a.	n.a.	100.00%	100.00%
Personal	0.66%	1.15%	56.43%	61.06%	101.10%	102.12%
Credit cards	0.94%	1.52%	92.65%	95.84%	99.18%	109.63%
Small business	1.76%	3.84%	38.75%	82.10%	97.50%	98.69%
Wholesale						
Corporate	0.29%	3.32%	35.59%	42.47%	22.24%	53.12%
Sovereign	n.a.	0.39%	n.a.	24.05%	n.a.	42.28%
Bank	n.a.	1.35%	n.a.	43.50%	n.a.	30.47%

BASEL PILLAR 3 BACK-TESTING (INTERNAL RATINGS BASED) ^{5, 7}

	Q1 2019					
	Average probability of default (PD)		Average loss given default (LGD)		Average Exposure at Default (EAD) ⁶	
	Actual %	Estimated %	Actual %	Estimated %	Actual %	Estimated %
Retail						
Residential mortgages						
<i>Uninsured</i>	0.45%	0.99%	5.96%	17.53%	100.00%	100.00%
<i>Insured</i>	0.70%	1.71%	n.a.	n.a.	100.00%	100.00%
Personal	0.65%	1.15%	57.31%	61.68%	99.28%	101.92%
Credit cards	0.95%	1.52%	91.44%	95.84%	99.20%	109.52%
Small business	1.79%	3.84%	39.53%	83.80%	97.80%	98.75%
Wholesale						
Corporate	0.54%	3.38%	33.98%	42.35%	37.09%	52.98%
Sovereign	n.a.	0.42%	n.a.	23.75%	n.a.	43.01%
Bank	n.a.	1.35%	1.23%	43.45%	n.a.	34.65%

¹ Actual loss reflects internal credit loss experience realized over a given period. Actual loss rate is the sum of PCL on impaired loans divided by average of loans and acceptances period end outstanding for the current and prior 3-quarter period.

² Estimated loss represents expected loss which is calculated using the Basel III "through the cycle" parameters of PD x LGD x EAD, estimated based on available historical loss data for Advanced Internal Ratings Based (AIRB) exposures. Estimated loss rate is the expected loss divided by loans and acceptances outstanding at the beginning of the applicable consecutive 4-quarter period defined above. Actual loss will normally exceed estimated loss during economic downturns and come below in periods of expansion.

³ Average annual actual loss rate from fiscal 2003 through to the most recent full year. The information is updated on an annual basis and is based on consolidated results. The Average historical actual loss rate on a continuing operations basis is 0.32%.

⁴ Back-testing is performed to check the effectiveness of the models used to measure PD, LGD and EAD. Estimated percentages are as of January 31, 2018 (January 31, 2017 for Retail LGD) and actual percentages reflect experience in the following 12 months (24 months for Retail LGD).

⁵ There are several key differences under current Basel and IFRS 9 reporting rules which could lead to significantly different expected loss estimates for PD and LGD. Basel parameters reflect historical experience adjusted for periods of downturn whereas IFRS 9 parameters are based on forward-looking macroeconomic scenarios. For further information refer to our 2018 Annual Report.

⁶ For retail, EAD rate represents the utilization of the authorized credit limit. For wholesale, EAD rate represents the utilization of the undrawn amount where the undrawn amount is equal to the authorized credit limit minus the outstanding balance.

⁷ Estimated percentages are as of October 31, 2017 (October 31, 2016 for Retail LGD) and actual percentages reflect experience in the following 12 months (24 months for Retail LGD).

REALIZED GAINS AND LOSSES ON INVESTMENT SECURITIES (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2018	2017
Realized gains	50	52	41	35	75	46	61	74	84	197	269
Realized losses ¹	(3)	(3)	(9)	(12)	(24)	(3)	(13)	(20)	(21)	(48)	(75)
Net gains (losses) on investment securities	47	49	32	23	51	43	48	54	63	149	194
Less: Amount booked in Insurance premium, investment and fee income	10	3	(1)	(3)	2	4	1	10	9	2	22
Net gains (losses) on investment securities net of Insurance premium, investment and fee income	37	46	33	26	49	39	47	44	54	147	172

TRADING CREDIT DERIVATIVES ² (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17
Notional amount									
Protection purchased	12,222	11,086	6,153	7,750	7,579	10,789	8,522	6,853	7,408
Protection sold	9,516	7,253	3,599	3,595	3,563	3,291	4,808	3,500	3,370
Fair value ³									
Positive	187	134	38	71	77	109	157	81	83
Negative	278	202	89	145	160	204	246	174	169
Replacement cost ⁴	167	113	71	38	38	64	109	34	34

OTHER THAN TRADING CREDIT DERIVATIVES POSITIONS ⁵ (NOTIONAL AMOUNT AND FAIR VALUE) (Millions of Canadian dollars)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17
Notional amount									
Gross protection purchased	523	512	513	130	144	138	145	140	154
Gross protection sold	-	-	-	-	-	-	-	-	-
Fair value ³									
Positive	-	-	-	-	-	-	-	-	-
Negative	3	6	5	6	9	10	12	13	14

¹ Prior to the adoption of IFRS 9 Financial Instruments, realized losses include impairments of AFS securities.

² Comprises credit default swaps, total return swaps, credit default baskets and credit default options. As at Q2/19, almost all of our exposures are with investment grade counterparties.

³ Gross fair value before netting.

⁴ From Q1/19 onwards, we reflected the SA-CCR (standardized approach for measuring counterparty credit risk) framework in determining the exposure at default which impacted the calculation of replacement cost, credit equivalent amount and risk-weighted equivalent amount. From Q1/19 onwards, replacement cost includes the impact of collateral which were previously excluded. Prior to Q1/19, the current exposure method was used in the determination of exposure at default with collateral separately disclosed as a footnote only.

⁵ Comprises credit default swaps.

FAIR VALUE OF DERIVATIVE INSTRUMENTS (Millions of Canadian dollars)	Q2/19		Q1/19		Q4/18		Q3/18		Q2/18		Q1/18	
	Fair value		Fair value		Fair value		Fair value		Fair value		Fair value	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
Held or issued for trading purposes	83,414	80,337	83,274	79,891	92,483	87,901	86,879	83,980	92,365	89,186	171,151	169,301
Held or issued for other than trading purposes	2,410	2,212	2,510	2,119	2,764	2,886	2,972	2,858	3,509	2,882	4,669	4,066
Total gross fair values before netting ¹	85,824	82,549	85,784	82,010	95,247	90,787	89,851	86,838	95,874	92,068	175,820	173,367
Impact of master netting agreements that qualify for balance sheet offset ²	(372)	(372)	(536)	(536)	(583)	(583)	(730)	(730)	(1,008)	(1,008)	(69,680)	(69,208)
that do not qualify for balance sheet offset ³	(67,782)	(67,782)	(68,320)	(68,320)	(57,010)	(57,010)	(53,844)	(53,844)	(57,828)	(57,828)	(65,675)	(65,675)
Total	17,670	14,395	16,928	13,154	37,654	33,194	35,277	32,264	37,038	33,232	40,465	38,484

DERIVATIVES - NOTIONAL AMOUNTS ^{4,5} (Millions of Canadian dollars)	Q2/19						Q1/19						Q4/18							
	Trading						Trading						Trading							
	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading	
Centrally cleared	Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared	Centrally cleared			Non Centrally cleared	
Interest rate contracts	2,365,286	6,217	-	2,371,503	-	2,371,503	2,462,429	2,593	-	2,465,022	1,970	2,466,992	1,900,724	3,677	-	1,904,401	-	1,904,401	-	1,904,401
Forward rate agreements	9,477,127	1,077,530	-	10,554,657	339,280	10,893,937	9,183,939	1,042,527	-	10,226,466	328,864	10,555,330	10,382,792	1,041,302	-	11,424,094	344,861	11,768,955	-	11,768,955
Swaps	-	546,411	-	546,411	2,396	607,094	-	494,322	-	555,439	2,895	558,334	-	284,921	-	290,820	-	290,820	-	290,820
Options purchased	-	-	58,287	64,698	-	64,698	-	-	61,117	612,747	-	612,747	-	-	5,899	116,803	-	116,803	-	116,803
Futures	-	-	668,896	668,896	-	668,896	-	-	612,747	-	-	612,747	-	-	116,803	116,803	-	116,803	-	116,803
Foreign exchange contracts	11,842,413	1,630,158	727,183	14,199,754	341,676	14,541,430	11,646,368	1,539,442	673,864	13,859,674	333,729	14,193,403	12,283,516	1,329,900	122,702	13,736,118	344,861	14,080,979	-	14,080,979
Forward contracts	-	1,598,428	-	1,598,428	15,917	1,614,345	-	1,425,143	-	1,425,143	11,073	1,436,216	-	1,420,575	-	1,420,575	8,249	1,428,824	-	1,428,824
Cross currency swaps	-	148,813	-	148,813	10,455	159,268	-	136,358	-	136,358	10,651	147,009	-	27,545	-	27,545	10,685	38,230	-	38,230
Cross-currency interest rate swaps	-	1,533,790	-	1,533,790	47,755	1,581,545	-	1,416,425	-	1,416,425	54,565	1,470,990	-	1,430,437	-	1,430,437	54,192	1,484,629	-	1,484,629
Options purchased	-	62,855	-	62,855	-	62,855	-	58,114	-	58,114	-	58,114	-	46,046	-	46,046	-	46,046	-	46,046
Futures	-	-	224	224	-	224	-	-	214	214	-	214	-	-	617	617	-	617	-	617
Credit derivatives	-	3,343,886	224	3,344,110	74,127	3,418,237	-	3,036,040	214	3,036,254	76,289	3,112,543	-	2,924,603	617	2,925,220	73,126	2,998,346	-	2,998,346
Other contracts ⁶	16,753	4,985	-	21,738	-	21,738	12,662	5,677	-	18,339	-	18,339	5,055	4,697	-	9,752	-	9,752	-	9,752
	137	126,098	125,154	251,389	2,763	254,152	179	104,139	105,987	210,305	2,789	213,094	132	91,596	160,339	252,067	2,405	254,472	-	254,472
Total	11,859,303	5,105,127	852,561	17,816,991	418,566	18,235,557	11,659,209	4,685,298	780,065	17,124,572	412,807	17,537,379	12,288,703	4,350,796	283,658	16,923,157	420,392	17,343,549	-	17,343,549

DERIVATIVES - NOTIONAL AMOUNTS ^{4,5} (Millions of Canadian dollars)	Q3/18						Q2/18						Q1/18							
	Trading						Trading						Trading							
	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading	
Centrally cleared	Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared					
Interest rate contracts	1,395,768	84,219	-	1,479,987	13,005	1,492,992	1,777,006	78,446	-	1,855,452	25,664	1,881,116	1,321,185	99,410	-	1,420,595	4,922	1,425,517	-	1,425,517
Forward rate agreements	8,385,501	1,003,198	-	9,388,699	391,716	9,780,415	7,612,656	1,020,086	-	8,632,742	483,122	9,115,864	6,871,355	1,018,508	-	7,889,863	431,099	8,320,962	-	8,320,962
Swaps	-	270,809	-	270,809	-	274,849	-	233,554	4,403	237,957	-	237,957	-	208,484	1,365	209,849	-	209,849	-	209,849
Options purchased	-	-	4,040	4,040	-	4,040	-	-	-	-	-	-	-	-	108,777	108,777	-	108,777	-	108,777
Futures	-	-	123,521	123,521	-	123,521	-	-	131,311	131,311	-	131,311	-	-	-	-	-	-	-	-
Foreign exchange contracts	9,781,269	1,358,226	127,561	11,267,056	404,721	11,671,777	9,389,662	1,332,086	135,714	10,857,462	508,786	11,366,248	8,192,540	1,326,402	110,142	9,629,084	436,021	10,065,105	-	10,065,105
Forward contracts	-	1,475,384	-	1,475,384	15,221	1,490,605	-	1,594,083	-	1,594,083	18,937	1,613,020	-	1,404,806	-	1,404,806	14,826	1,419,632	-	1,419,632
Cross currency swaps	-	113,728	-	113,728	10,506	124,234	-	101,940	-	101,940	10,300	112,240	-	91,210	-	91,210	9,608	100,818	-	100,818
Cross-currency interest rate swaps	-	1,315,892	-	1,315,892	56,580	1,372,472	-	1,181,612	-	1,181,612	55,147	1,236,759	-	1,107,605	-	1,107,605	53,741	1,161,346	-	1,161,346
Options purchased	-	52,211	-	52,211	-	52,211	-	51,924	-	51,924	-	51,924	-	73,038	-	73,038	-	73,038	-	73,038
Futures	-	-	683	683	-	683	-	-	595	595	-	595	-	-	476	476	-	476	-	476
Credit derivatives	-	2,957,215	683	2,957,898	82,307	3,040,205	-	2,929,559	595	2,930,154	84,384	3,014,538	-	2,676,659	476	2,677,135	78,175	2,755,310	-	2,755,310
Other contracts ⁶	4,692	6,653	-	11,345	-	11,345	4,904	6,239	-	11,143	-	11,143	4,246	9,834	-	14,080	-	14,080	-	14,080
	122	85,350	136,354	221,826	2,440	224,266	124	78,102	132,767	210,993	2,496	213,489	189	69,937	123,841	193,967	2,500	196,467	-	196,467
Total	9,786,083	4,407,444	264,598	14,458,125	489,468	14,947,593	9,394,690	4,345,986	269,076	14,009,752	595,666	14,605,418	8,196,975	4,082,832	234,459	12,514,266	516,696	13,030,962	-	13,030,962

¹ As at Q2/19, positive and negative fair values exclude market and credit valuation adjustments of \$640 million and \$(9) million respectively that are determined on a pooled basis.

² Impact of offsetting derivative assets and liabilities on contracts where we have both (a) unconditional and legally enforceable netting agreement in place and (b) we intend to settle the contracts on either a net basis or simultaneously. The right of setoff is considered unconditional if its exercise is not contingent upon the occurrence of a future event; it is considered conditional if it becomes exercisable only upon the occurrence of a future event, such as bankruptcy, insolvency, default, or change in control.

³ The impact of master netting agreements that do not qualify for balance sheet offset is calculated based on the new methodology under SA-CCR (standardized approach for measuring counterparty credit risk) includes collateral, previous calculations were based on CEM (current exposure method).

⁴ Notional amounts do not represent assets or liabilities and therefore are not recorded in our Consolidated Balance Sheet. As of Q2/19, the notional amounts exclude exchange traded options written of \$125.2 billion, over-the-counter options written of \$722.6 billion and non-trading credit derivatives of \$0.5 billion.

⁵ The majority of non-centrally cleared over the counter derivative activity is conducted with other professional market counterparties, under bilateral collateral arrangements with very low unsecured thresholds and daily collateral valuations. These collateral arrangements take the form of Credit Support Annex, to the International Swaps and Derivatives Association master agreement.

⁶ Comprises precious metal, commodity, stable value and equity-linked derivative contracts.

DERIVATIVE - RELATED CREDIT RISK (Millions of Canadian dollars)	Q2/19				Q1/19				Q4/18				Q3/18			
	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²
Over-the-counter contracts																
Interest rate contracts																
Forward rate agreements																
Swaps	2,371,503	41	165	52	2,466,992	78	118	4	1,904,401	307	324	13	1,492,992	258	289	57
Options purchased	10,893,937	4,095	13,038	5,553	10,555,330	3,888	13,009	5,186	11,768,955	9,671	20,321	3,363	9,780,415	10,172	18,113	3,374
Foreign exchange contracts																
Forward contracts	548,807	168	586	326	497,217	217	697	354	284,921	610	857	407	270,809	585	943	484
Swaps	1,614,345	2,544	16,828	4,452	1,436,216	2,160	14,681	4,035	1,428,824	4,589	10,944	3,439	1,490,605	3,152	10,180	3,363
Options purchased	1,740,813	2,402	17,294	5,099	1,617,999	2,373	17,331	4,974	1,517,006	9,342	13,718	5,002	1,491,642	9,226	14,020	5,053
Credit derivatives ³	62,855	452	942	326	58,114	329	741	270	46,046	443	1,100	478	52,211	393	1,061	507
Other contracts ⁴	21,738	167	720	40	18,339	113	545	35	9,752	71	770	153	11,345	38	743	241
Exchange traded contracts	128,998	2,961	12,767	6,657	107,107	2,945	11,821	6,088	94,133	9,709	9,959	4,303	87,912	9,106	8,985	4,071
	852,561	4,840	18,396	368	780,065	4,825	16,395	328	283,658	2,912	11,285	225	264,598	2,347	9,689	194
Total derivatives	18,235,557	17,670	80,736	22,873	17,537,379	16,928	75,338	21,274	17,337,696	37,654	69,278	17,383	14,942,529	35,277	64,023	17,344

DERIVATIVE - RELATED CREDIT RISK (Millions of Canadian dollars)	Q2/18				Q1/18				Q4/17				Q3/17			
	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost ⁵	Credit equivalent amount ²	Risk-weighted equivalent ²
Over-the-counter contracts																
Interest rate contracts																
Forward rate agreements																
Swaps	1,881,116	511	567	104	1,425,517	1,162	1,211	267	1,188,833	264	328	59	961,335	250	359	49
Options purchased	9,115,863	10,448	17,211	3,395	8,320,962	12,005	25,318	4,872	8,351,749	10,890	24,318	4,187	8,548,907	12,107	25,590	4,590
Foreign exchange contracts	233,554	560	898	486	208,484	742	905	457	261,471	283	883	527	283,198	195	919	563
Credit derivatives ³	1,613,020	5,221	12,374	3,892	1,419,632	5,201	11,075	3,537	1,360,389	5,421	11,555	3,634	1,311,708	6,328	11,741	3,881
Other contracts ⁴	1,344,524	9,405	12,654	4,691	1,257,032	11,390	13,141	4,920	1,196,824	10,476	12,643	4,498	1,117,908	12,113	12,666	4,618
Exchange traded contracts	51,924	326	1,214	589	73,038	398	1,196	504	73,150	360	1,125	472	53,996	319	959	422
	11,143	38	699	158	14,080	64	1,000	491	13,330	109	936	149	10,353	34	607	140
	80,719	8,562	8,195	3,752	72,623	8,011	7,529	3,558	71,699	7,750	6,332	2,945	68,150	7,621	5,519	3,152
	269,079	1,967	8,978	180	234,463	1,492	7,926	159	254,031	1,391	8,340	167	222,664	1,216	6,757	135
Total derivatives	14,600,942	37,038	62,790	17,247	13,025,831	40,465	69,301	18,765	12,771,476	36,944	66,460	16,638	12,579,219	40,183	65,117	17,570

¹ As at Q2/19, the notional amounts excludes exchange traded options written of \$125.2 billion, over-the-counter options written of \$722.6 billion, and non-trading credit derivatives of \$0.5 billion. Prior to Q1/19, the notional amounts excludes foreign exchange contracts related to a consolidated structured entity.

² From Q1/19 onwards, credit equivalent amount includes CVA losses and collateral.

³ Comprises credit default swaps, total return swaps, credit default baskets and credit default options.

⁴ Comprises precious metal, commodity, stable value and equity-linked derivative contracts.

⁵ From Q1/19 onwards, we reflected the SA-CCR (standardized approach for measuring counterparty credit risk) framework in determining the exposure at default which impacted the calculation of replacement cost, credit equivalent amount and risk-weighted equivalent amount. From Q1/19 onwards, replacement cost includes the impact of collateral which were previously excluded. Prior to 2019, the current exposure method was used in the determination of exposure at default with collateral separately disclosed as a footnote only.

MARKET RISK REGULATORY CAPITAL Internal models-based approach VaR ¹ (Millions of Canadian dollars)	For the three months ended											
	Q2/19				Q1/19		Q4/18		Q3/18		Q2/18	
	As at Apr 30	Avg	High	Low	As at Jan 31	Avg	As at Oct 31	Avg	As at Jul 31	Avg	As at Apr 30	Avg
Equity	6	4	6	2	5	5	3	5	3	3	2	2
Foreign exchange	3	3	5	2	4	3	9	3	3	3	3	2
Commodities	1	1	2	1	2	2	2	2	2	1	2	1
Interest rate	17	20	26	16	25	27	21	18	13	22	20	21
Credit specific	4	4	4	4	4	4	4	4	4	5	5	6
Diversification	(10)	(11)	n.m.	n.m.	(12)	(10)	(13)	(11)	(11)	(10)	(13)	(9)
VaR	21	21	27	17	28	31	26	21	14	24	19	23
Stressed VaR	85	64	85	44	65	73	48	58	44	56	47	52

¹ The table shows VaR and stressed VaR for trading activities that have a capital requirement under the internal models-based approach, for which we have been granted approval by OSFI. Regulatory capital for market risk is allocated based on VaR and stressed VaR only for those trading positions that have approval to use the internal models-based approach. The above numbers reflect calculations for VaR and stressed VaR based on a 1 day time horizon. As stipulated by OSFI, RBC's Market Risk regulatory capital calculations are based on VaR and stressed VaR measures for a 10 day time horizon.
n.m. not meaningful

CALCULATION OF ROE¹ AND RETURN ON RISK CAPITAL (RORC)¹ (Millions of Canadian dollars, except percentage and per share amounts)	Q2/19	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18	Q4/17	Q3/17	Q2/17	2019 6 months	2018 6 months	2018	2017
Personal & Commercial Banking													
Net income available to common shareholders	1,526	1,546	1,512	1,487	1,435	1,497	1,383	1,371	1,338	3,072	2,932	5,931	5,659
Average risk capital	18,400	18,450	17,850	17,100	16,600	16,200	15,950	15,850	14,850	18,450	16,400	16,950	15,300
Add: Average goodwill and other intangibles	4,600	4,600	4,600	4,600	4,600	4,550	4,550	4,650	4,700	4,550	4,550	4,550	4,700
Average attributed capital	23,000	23,050	22,450	21,700	21,200	20,750	20,500	20,500	19,550	23,000	20,950	21,500	20,000
ROE²	27.2%	26.6%	26.7%	27.2%	27.8%	28.6%	26.7%	26.6%	28.0%	26.9%	28.2%	27.6%	28.3%
Return on risk capital (RORC)	34.0%	33.2%	33.6%	34.5%	35.5%	36.7%	34.4%	34.3%	37.0%	33.6%	36.1%	35.0%	36.9%
Canadian Banking													
Net income available to common shareholders	1,443	1,524	1,444	1,472	1,407	1,461	1,341	1,329	1,297	2,967	2,868	5,784	5,494
Average risk capital	17,150	17,100	16,600	15,800	15,250	14,850	14,500	14,400	13,300	17,150	15,050	15,600	13,850
Add: Average goodwill and other intangibles	2,750	2,750	2,750	2,800	2,800	2,800	2,850	2,800	2,850	2,750	2,800	2,800	2,850
Average attributed capital	19,900	19,850	19,350	18,600	18,050	17,650	17,350	17,200	16,150	19,900	17,850	18,400	16,700
ROE²	29.7%	30.4%	29.6%	31.4%	32.0%	32.8%	30.7%	30.6%	32.9%	30.1%	32.4%	31.4%	32.9%
RORC	34.5%	35.3%	34.5%	37.0%	37.9%	39.0%	36.7%	36.7%	39.9%	34.9%	38.5%	37.0%	39.7%
Wealth Management													
Net income available to common shareholders	573	583	540	564	522	583	476	470	415	1,156	1,105	2,209	1,775
Average risk capital	6,750	6,550	6,150	6,250	6,200	6,100	6,000	5,900	5,950	6,650	6,150	6,150	5,900
Add: Average goodwill and other intangibles	7,450	7,500	7,350	7,350	7,400	7,300	7,300	7,550	7,750	7,500	7,350	7,350	7,550
Average attributed capital	14,200	14,050	13,500	13,600	13,600	13,400	13,300	13,450	13,700	14,150	13,500	13,500	13,450
ROE²	16.5%	16.4%	15.9%	16.4%	15.8%	17.3%	14.2%	13.9%	12.4%	16.5%	16.5%	16.3%	13.2%
RORC	34.9%	35.3%	34.9%	35.9%	34.6%	38.0%	31.6%	31.6%	28.6%	35.1%	36.3%	35.8%	30.2%
Insurance													
Net income available to common shareholders	152	164	316	156	170	125	263	159	164	316	295	767	718
Average risk capital	1,750	1,700	2,000	1,750	1,750	1,600	1,800	1,550	1,450	1,700	1,650	1,750	1,550
Add: Average goodwill and other intangibles	200	200	200	200	200	150	200	150	150	200	200	200	150
Average attributed capital	1,950	1,900	2,200	1,950	1,950	1,750	2,000	1,700	1,600	1,900	1,850	1,950	1,700
ROE²	32.4%	34.7%	57.2%	32.1%	36.3%	28.2%	52.3%	37.0%	41.5%	33.5%	32.3%	39.3%	41.8%
RORC	36.2%	38.8%	62.7%	35.6%	40.1%	31.3%	57.2%	40.8%	45.9%	37.5%	35.8%	43.4%	46.0%
Investor & Treasury Services													
Net income available to common shareholders	148	157	152	152	208	216	153	174	188	305	424	728	725
Average risk capital	2,900	3,000	2,550	2,500	2,500	2,650	2,650	2,650	2,650	2,950	2,600	2,550	2,700
Add: Average goodwill and other intangibles	600	600	600	550	550	500	500	500	500	600	500	550	500
Average attributed capital	3,500	3,600	3,150	3,050	3,050	3,150	3,150	3,150	3,150	3,550	3,100	3,100	3,200
ROE²	17.4%	17.3%	19.2%	19.8%	28.1%	26.9%	19.2%	21.9%	24.6%	17.3%	27.5%	23.5%	22.7%
RORC	21.1%	20.7%	23.5%	24.1%	34.1%	32.1%	22.9%	26.1%	29.2%	20.9%	33.0%	28.4%	26.9%
Capital Markets													
Net income available to common shareholders	756	630	645	676	644	727	564	588	646	1,386	1,371	2,692	2,438
Average risk capital	21,100	21,450	20,050	20,100	18,150	18,150	16,600	18,200	17,650	21,300	18,150	19,100	17,600
Add: Average goodwill and other intangibles	1,700	1,700	1,600	1,600	1,550	1,500	1,450	1,350	1,050	1,700	1,500	1,600	1,250
Average attributed capital	22,800	23,150	21,650	21,700	19,700	19,650	18,050	19,550	18,700	23,000	19,650	20,700	18,850
ROE²	13.6%	10.8%	11.8%	12.3%	13.4%	14.7%	12.4%	11.9%	14.2%	12.2%	14.1%	13.0%	12.9%
RORC	14.7%	11.6%	12.7%	13.3%	14.6%	15.9%	13.5%	12.8%	15.0%	13.1%	15.2%	14.1%	13.8%
Corporate Support³													
Net income available to common shareholders	6	16	11	(4)	-	(219)	(82)	(55)	(27)	22	(219)	(212)	(187)
Average risk capital and other	2,500	2,600	2,950	2,850	2,750	3,100	3,050	2,950	3,200	2,550	2,950	2,950	3,050
Add: Average under/(over) attribution of capital	6,050	5,200	5,800	4,800	5,200	5,050	5,850	4,450	4,900	5,650	5,150	5,200	5,050
Average attributed capital	8,550	7,800	8,750	7,650	7,950	8,150	8,900	7,400	8,100	8,200	8,100	8,150	8,100
RBC													
Net income	3,230	3,172	3,250	3,109	3,060	3,012	2,837	2,796	2,809	6,402	6,072	12,431	11,469
Net income available to common shareholders	3,161	3,096	3,176	3,031	2,979	2,929	2,757	2,707	2,724	6,257	5,908	12,115	11,128
Average risk capital	51,950	52,350	50,200	49,250	46,700	46,500	44,800	45,800	44,100	52,150	46,600	48,150	44,700
Average common equity	74,000	73,550	71,700	69,650	67,450	66,850	65,900	65,750	64,800	73,800	67,150	68,900	65,300
ROE	17.5%	16.7%	17.6%	17.3%	18.1%	17.4%	16.6%	16.3%	17.2%	17.1%	17.7%	17.6%	17.0%
RORC	25.0%	23.5%	25.1%	24.4%	26.2%	25.0%	24.4%	23.4%	25.3%	24.2%	25.6%	25.1%	24.9%

¹ These measures do not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 46.

² Business segment ROE is based on Average attributed capital. Under/(over) attribution of capital is reported in Corporate Support.

³ We do not report ROE and RORC for Corporate Support as they are considered not meaningful.

Key performance and Non-GAAP measures

Management measures and evaluates the performance of our consolidated operations and each of our segments based on variety of financial measures. In addition to generally accepted accounting principles (GAAP) prescribed measures, we use certain non-GAAP measures and key performance measures. We believe these measures provide useful information to investors regarding our financial condition and result of operations. For details, refer to the "How we measure and report our business segments" section of our Report to Shareholders. Readers are cautioned that non-GAAP measures do not have any standardized meanings prescribed by GAAP and therefore are unlikely to be comparable to similar measures disclosed by other companies.

Performance measures

Attributed capital

We attributed capital based on the Basel III regulatory capital requirements and economic capital.

Risk capital

Risk capital is attributed capital excluding goodwill and other intangibles.

Average risk capital

Calculated using methods intended to approximate the average of the daily risk capital balances for the period.

Return on equity (ROE)

Business segment return on equity is calculated as net income available to common shareholders divided by Average attributed capital for the period and using methods that are intended to approximate the average of the daily balances for the period. Corporate Support also includes average unattributed capital. ROE is based on actual balances of average common equity before rounding.

Return on Tangible Common Equity (ROTCE)

Net income available to shareholders excluding the after-tax impact of amortization and write down of other intangibles (excluding software) and goodwill divided by average tangible common equity. ROTCE is based on actual balances of average tangible common equity before rounding.

Return on risk capital (RORC)

Net income available to common shareholders divided by average risk capital. Business segment RORC is calculated as net income available to common shareholders divided by average risk capital for the period. RORC is based on actual balances of average common equity before rounding.

Unattributed capital

Unattributed capital represents common equity in excess of common equity attributed to our business segments and is reported in the Corporate Support segment.

Non-GAAP measures

Adjusted basis measures

Adjusted basis measures such as adjusted net income available to common shareholders, adjusted diluted earnings per share (EPS) and adjusted ROE are calculated by adding back to net income the after-tax amount of amortization of intangibles (excluding amortization of software), any goodwill impairment, the dilutive impact of exchangeable shares, and other significant non-recurring items.

Adjusted efficiency ratio, operating leverage, Non-interest expense growth and revenue growth

The ratio and calculations are adjusted to exclude specified items and the change in fair value backing our policyholder liabilities from revenue and revenue growth. Refer to page 48 for the definition of the efficiency ratio, operating leverage, Non-interest expense growth and revenue growth.

Economic profit

Net income (loss) after non-controlling interests excluding the after-tax effect of amortization and write-down of other intangibles (excluding software) and goodwill less a capital charge for use of attributed capital.

Common equity

Common equity includes common shares, common treasury shares, retained earnings and other components of equity.

Tangible common equity

Common equity excluding goodwill and other intangibles (excluding software) net of deferred tax.

Glossary

Definitions

Assets under administration (AUA)

Assets administered by us, which are beneficially owned by clients. Services provided in respect of assets under administration are of an administrative nature, including safekeeping, collecting investment income, settling purchase and sale transactions, and record keeping.

Assets under management (AUM)

Assets managed by us, which are beneficially owned by clients. Services provided in respect of assets under management include the selection of investments and the provision of investment advice. We have assets under management that are also administered by us and included in assets under administration.

Goodwill and intangibles

Goodwill represents the excess of the price paid for the business acquired over the fair value of the net identifiable assets acquired. An intangible asset is an identifiable non-monetary asset without physical substance.

Glossary continued

Definitions

Taxable equivalent basis (teb)

Income from certain specified tax-advantaged sources is increased to a level that would make it comparable to income from taxable sources. There is an offsetting adjustment in the tax provision, thereby generating the same after-tax net income. We record teb adjustments in Capital Markets and record elimination adjustments in Corporate Support.

Total trading revenue

Total trading revenue is comprised of trading related revenue recorded in Net interest income and Non-interest income.

Net impaired loans and acceptances

Gross impaired loans and acceptances less the associated allowance for credit losses on impaired loans by portfolio.

Ratios

Capital ratios

The percentage of risk-adjusted assets supported by capital, using the guidelines of OSFI based on standards issued by the Bank for International Settlements and GAAP financial information.

Common Equity Tier 1 ratio

Common Equity Tier 1 (CET1) capital under Basel III comprises the highest quality of capital including common shares, retained earnings, accumulated other comprehensive income and other items. Regulatory adjustments such as goodwill and intangibles, deferred tax assets, and other components subject to threshold deductions are excluded from CET1 capital. This ratio is calculated by dividing CET1 by risk-weighted assets, in accordance with OSFI's Basel III Capital Adequacy Requirements guideline.

Efficiency ratio

Non-interest expense as a percentage of total revenue. For adjusted efficiency ratio refer to the non-GAAP measures on page 46.

Return on assets (ROA)

Net income as a percentage of average assets.

Return on risk-weighted assets

Net income as a percentage of average risk-weighted assets.

Calculations

Average balances (assets, loans and acceptances, and deposits)

Calculated using methods intended to approximate the average of the daily balances for the period.

Average common equity

Calculated using methods intended to approximate the average of the daily balances for the period. For the business segments, calculated using methods intended to approximate the average of the daily attributed capital for the period.

Average earning assets, net

Average earning assets include interest-bearing deposits with other banks, securities, net of applicable allowance, assets purchased under reverse repurchase agreements and securities borrowed, loans, net of allowance, cash collateral and margin deposits. Insurance assets, and all other assets not specified are excluded. The averages are based on the daily balances for the period.

Capital charge

Calculated by multiplying the cost of capital by the amount of average common equity. The cost of capital is a proxy for the after-tax return that we estimate to be required by shareholders for the use of their capital.

Dividend yield

Dividends per common share divided by the average of the high and low share prices in the relevant period.

Diluted EPS

Diluted EPS is net income attributable to common shareholders divided by the average diluted shares outstanding. Both net income and number of shares outstanding have been adjusted for the impact of exchangeable shares.

Effective tax rate (teb)

Effective tax rate (teb) is calculated using the tax provision for the period adjusted for the teb amount divided by the net income before tax for the period also adjusted for the teb amount. For teb, refer to Definitions above.

Market capitalization

End of period common shares outstanding multiplied by the closing common share price on the Toronto Stock Exchange.

Net interest margin (NIM) (average assets)

Net interest income as a percentage of total average assets.

Net interest margin (NIM) (average earning assets, net)

Net interest income as a percentage of total average earning assets, net.

Net write-offs

Gross write-offs less recoveries of amounts previously written off.

Operating leverage

The difference between our revenue growth rate and non-interest expense growth rate. For adjusted operating leverage ratio, refer to the non-GAAP measures on page 46.

Non-interest expense Growth

The growth rate is calculated based on Non-interest expense in the same period a year ago. For adjusted Non-interest expense growth refer to the non-GAAP measures on page 46.

Revenue Growth

The growth rate is calculated based on revenue in the same period a year ago. For adjusted revenue growth, refer to the non-GAAP measures on page 46.

Risk-weighted assets (RWA) - Basel III

Used in the calculation of risk-based capital ratios as defined by the guidelines issued by OSFI. The guidelines are Basel III effective January 1, 2013 and the "Basel III: A global regulatory framework for more resilient banks and banking systems - December 2010 (rev June 2011)" issued by the Basel Committee on Banking Supervision (BCBS) and adopted by OSFI effective January 2013. A majority of our credit risk portfolios use IRB Approach and the remainder uses Standardized Approach for the calculation of RWA based on the total exposure (i.e. exposure at default, and counterparty risk weights). For market risk measurement we use the internal models approach for products with regulatory approval and a standardized approach for all other products. For Operational risk, we use the Advanced Measurement Approach. In addition, Basel III requires a transitional capital floor adjustment.

n.a.

Not applicable