Pillar 3 Report and Supplementary Regulatory Capital Disclosure

For the period ended January 31, 2019

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This document is unaudited and should be read in conjunction with our quarterly report to shareholders and news release for Q1/19, and our 2018 annual report (including audited consolidated financial statements and accompanying management's discussion and analysis). Additional financial information is also available through our quarterly investor presentations as well as the quarterly conference call webcast. All relevant information in this document is prepared under International Financial Reporting Standards (IFRS) and all amounts are in millions of Canadian dollars, unless otherwise stated.

PILLAR 3 REPORT

SUPPLEMENTARY REGULATORY CAPITAL DISCLOSURES

Disclosures provided to address Enhanced Disclosure Task Force (EDTF) recommendations

PILLAR 3 REPORT INDEX

The index below provides a listing of Pillar 3 disclosure requirements issued by the Basel Committee of Banking Supervision (BCBS) which are currently effective for CIBC, along with their locations. The disclosures are located in our annual report, and supplementary packages, which may be found on our website (www.cibc.com). No information on CIBC's website, including the supplementary packages, should be considered incorporated herein by reference.

The credit risk framework within the BCBS' Capital Adequacy Requirements (CAR) is inclusive of requirements relating to counterparty credit risk, securitization activities, as well as other items such as settlement risk, equity investments in funds, and amounts below the threshold for capital deductions which are subject to a 250% risk-weight. Pages 34 to 39 of this document and disclosures in CIBC's 2018 Annual Report are prepared on a basis where these amounts are considered to be regulatory exposures or RWA relating to credit risk (i.e. credit risk related disclosures are generally inclusive of all or some of these amounts, depending upon the nature of the applicable disclosure), whereas the Pillar 3 report on pages 1 to 33 of this document provides a disaggregation of these amounts.

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Topic	Identifier	Table and templates	Pillar 3 Report	2018 Annual Report	Supplementary Financial Information
			Page references		
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Market risk	n/a (8)				

(1) CCA is available at https://www.cibc.com/en/about-cibc/investor-relations/regulatory-capital-instruments.html.
(2) CIBC is not a global systemically important bank (G-SIB).
(3) There are several key differences between Basel and IFRS 9 which could lead to significantly different estimates for PDs and LGDs. Basel parameters reflect long run historical experience including periods of downturn and adjustments for conservatism, whereas IFRS 9 parameters are point-in-time estimates based on forward-looking information. See the "Accounting and control matters" section in our 2018 Annual Report for additional details.
(4) CIBC does not use credit derivatives to reduce RWA.
(5) Template CR9 is only required to be disclosed on an annual basis. Please refer to CIBC’s Supplementary Regulatory Capital Disclosure and Pillar 3 Report for the period ended October 31, 2018, which may be found on our website (www.cibc.com).
(6) We have no CCR exposures under the IMM method as at January 31, 2019.
(7) Excludes mortgages securitized through programs sponsored by the Canada Mortgage Housing Corporation, including the creation of mortgage-backed securities (MBS) under the National Housing Act MBS Program and the Canada Mortgage Bond Program. These exposures are risk-weighted under the credit risk framework.
(8) We have elected to apply the exception permitted in the "Pillar 3 Disclosure Requirements" guideline issued by the office of the Superintendent of Financial Institutions (OSFI) to provide the revised Pillar 3 disclosure requirements relating to market risk when the second phase of the revised Pillar 3 disclosure requirements comes into effect. An effective date for domestic implementation of the second phase of the revised Pillar 3 disclosure framework has not yet been announced by OSFI.
n/a Not applicable.

KM2: KEY METRICS - TLAC REQUIREMENTS (AT RESOLUTION GROUP LEVEL) [1]

($ millions)		Q1/19
		a
1	Total loss-absorbing capacity (TLAC) available	34,652
2	Total RWA at the level of the resolution group	225,663
3	TLAC ratio: TLAC as a percentage of RWA (row 1/row 2) (%)	15.4%
4	Leverage ratio exposure measure at the level of the resolution group	674,962
5	TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure (row 1/row 4) (%)	5.1%
6a	Does the subordination exemption in the antepenultimate paragraph of Section 11 of the Financial Stability Board (FSB) TLAC Term Sheet apply?	Yes
6b	Does the subordination exemption in the penultimate paragraph of Section 11 of the FSB TLAC Term Sheet apply?	No
6c	If the capped subordination exemption applies, the amount of funding issued that ranks pari passu with Excluded Liabilities and that is recognised as external TLAC, divided by funding issued that ranks pari passu with Excluded Liabilities and that would be recognised as external TLAC if no cap was applied (%)	n/a

(1) The Canadian bail-in regime, including OSFI's TLAC Guideline, came into effect on September 23, 2018. Under this regime, CIBC is required to meet target TLAC requirements by November 1, 2021. As a D-SIB, CIBC will be subject to a target risk-based TLAC Ratio of 23.25% (comprised of a minimum ratio of 21.5% and a Domestic Stability Buffer of 1.75% that is effective April 30, 2019) and a TLAC Leverage Ratio of 6.75%. In May 2018, OSFI issued a final guideline on TLAC disclosure requirements that requires D-SIBs to begin disclosing their TLAC and TLAC leverage ratios in the first quarter of 2019.

n/a Not applicable.

OV1: OVERVIEW OF RISK-WEIGHTED ASSETS (RWA)

$ millions	Q1/19 a RWA [1]	Q4/18 b	Q1/19 c Minimum capital requirements
1 Credit risk (excluding counterparty credit risk) (CCR)	168,663	165,470	13,493
2 Of which: standardized approach (SA) [2]	45,325	44,739	3,626
Of which: supervisory slotting approach	431	497	34
3 Of which: advanced internal rating-based approach	122,907	120,234	9,833
4 Counterparty credit risk [3][4]	14,902	11,584	1,192
Of which: current exposure method (CEM)	-	6,746	-
Of which: credit valuation adjustment (CVA) capital charge	5,790	4,236	463
Of which: exposures to central counterparties	387	602	31
5 Of which: standardized approach for counterparty credit risk (SA-CCR)	8,725	-	698
6 Of which: internal model method (IMM)	-	-	-
7 Equity positions in banking book under market-based approach	-	-	-
8 Equity investments in funds - look-through approach [5]	349	314	28
9 Equity investments in funds - mandate-based approach [5]	3	3	-
10 Equity investments in funds - fall-back approach [5]	-	-	-
11 Settlement risk	-	-	-
12 Securitization exposures in banking book	1,538	1,113	123
12a Of which: subject to the transitional arrangement [6]	(698)	n/a	(56)
13 Of which: internal ratings-based approach (IRBA) (Q4/18: IRB ratings-based approach (RBA))	252	871	20
14 Of which: external ratings-based approach (ERBA), including internal assessment approach (IAA) (Q4/18: IRB Supervisory Formula Approach (SFA))	1,852	242	148
15 Of which: standardized approach (SA) (Q4/18: SA/simplified supervisory formula approach (SSFA)) [7]	132	-	11
16 Market risk	8,498	6,383	680
17 Of which: standardized approach (SA)	57	33	5
18 Of which: internal model approaches (IMM)	8,441	6,350	675
19 Operational risk	27,154	26,626	2,172
20 Of which: Basic Indicator Approach	-	-	-
21 Of which: Standardized Approach [8]	11,350	10,243	908
22 Of which: Advanced Measurement Approach [8]	15,804	16,383	1,264
23 Amounts below the thresholds for deduction (subject to 250% risk-weight)	4,556	4,651	365
24 Floor adjustment	-	-	-
25 Total (1+4+7+8+9+10+11+12+16+19+23+24)	225,663	216,144	18,053

(1) Amounts are inclusive of a 6% scaling factor adjustment.
(2) Includes RWAs of $5,123 million (Q4/18: $5,444 million) relating to other assets that are subject to the credit risk framework but are not included in the standardized or IRB frameworks. Also includes RWAs of $436 million (Q4/18: $436 million) relating to non-trading equity investments.
(3) Comprises derivative and repo-style transactions.
(4) Prior to Q1/19, capital requirements relating to counterparty credit risk, other than those arising from the CVA capital charge or from exposures to central counterparties, were calculated using the current exposure method.
(5) Equity investments in funds are only included in table OV1.
(6) OSFI has permitted the initial impact of the adoption of the securitization framework to be phased in over a one-year period as a negative adjustment to RWAs.
(7) Includes securitization exposures which are risk-weighted at 1250%.
(8) Certain information has been reclassified to conform to the presentation adopted in the current quarter.
n/a Not applicable.

Variance analysis

The increase in credit risk RWAs was primarily due to organic growth across our businesses and portfolio migrations, partially offset by the application of the securitization framework to securitized credit card receivables in Q1/19.

The increase in counterparty credit risk RWAs was primarily due to the implementation of the SA-CCR requirements.

The increase in market risk RWAs was primarily driven by movement in risk levels, which includes changes in open positions and the market rates affecting these positions.

The increase in operational risk RWAs was primarily driven by movement in risk levels, which reflects changes in loss experience, changes in the business environment, internal control factors and gross income, as defined by OSFI.

CHANGES IN RISK-WEIGHTED ASSETS [1]

($ millions)	Q1/19 vs. Q4/18			Q4/18 vs. Q3/18	Q3/18 vs. Q2/18	Q2/18 vs. Q1/18
		CR8 Of which determined under an IRB approach	Of which all other [2]			
Credit risk						
1 Balance at beginning of period	171,551	120,234	51,317	167,399	163,915	159,617
2 Asset size [3]	3,425	2,372	1,053	4,640	3,171	4,754
3 Asset quality [4]	2,279	2,279	-	(424)	(1,086)	(1,126)
4 Model updates [5]	(33)	49	(82)	(21)	479	(749)
5 Methodology and policy [6]	(1,238)	(1,686)	448	-	-	-
6 Acquisitions and disposals	-	-	-	-	-	-
7 Foreign exchange movements	(203)	(36)	(167)	775	786	2,564
8 Other	(672)	(305)	(367)	(818)	134	(1,145)
9 Balance at end of period	175,109	122,907	52,202	171,551	167,399	163,915
Counterparty credit risk						
Balance at beginning of period	11,584			10,943	11,472	11,131
Asset size [3]	(408)			361	175	151
Credit quality of counterparties [4]	(24)			(40)	(331)	(591)
Model updates [5]	-			-	-	96
Methodology and policy [6]	3,782			-	-	-
Acquisitions and disposals	-			-	-	-
Foreign exchange movements	40			32	39	165
Other	(72)			288	(412)	520
Balance at end of period	14,902			11,584	10,943	11,472
Market risk						
1 Balance at beginning of period	6,383			7,154	6,907	5,609
2 Movement in risk levels [7]	2,020			(677)	223	1,079
3 Model updates [5]	(51)			(60)	-	257
4 Methodology and policy [6]	16			-	-	-
5 Acquisitions and disposals	-			-	-	-
6 Foreign exchange movements	130			(34)	24	(38)
7 Other	-			-	-	-
8 Balance at end of period	8,498			6,383	7,154	6,907
Operational risk						
Balance at beginning of period	26,626			26,324	25,774	25,241
Movement in risk levels [8]	528			302	550	533
Methodology and policy [6]	-			-	-	-
Acquisitions and disposals	-			-	-	-
Balance at end of period	27,154			26,626	26,324	25,774

(1) 2018 amounts reflect CET1 RWAs. Beginning in the first quarter of 2019, amounts reflect Total RWAs.
(2) Includes credit risk under the standardized and supervisory slotting approaches, equity investment funds under the look-through and mandate based approaches, settlement risk, securitization exposures in the banking book, and amounts below the thresholds for deduction that are risk-weighted at 250%.
(3) Relates to net increase/decrease in the underlying exposures.
(4) Relates to changes in credit risk mitigation and credit quality of the borrower/counterparty.
(5) Relates to internal model or parameter changes.
(6) Relates to regulatory changes implemented on an industry-wide basis and any capital methodology changes implemented within CIBC for our portfolios.
(7) Relates to changes in open positions and market volatility.
(8) Relates to changes in loss experience, business, environment, internal control factors and gross income.

LI1: DIFFERENCES BETWEEN ACCOUNTING AND REGULATORY SCOPES OF CONSOLIDATION AND MAPPING OF FINANCIAL STATEMENT CATEGORIES WITH REGULATORY RISK CATEGORIES

$ millions	Q1/19						
	a	b	c	d	e	f	g
			Carrying values of items: (1)				
	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation (2)	Subject to credit risk framework	Subject to counterparty credit risk framework	Subject to the securitization framework (3)	Subject to the market risk framework	Not subject to capital requirements or subject to deduction from capital
ASSETS							
Cash and non-interest-bearing deposits with banks	4,088	4,088	4,088	-	-	-	-
Interest-bearing deposits with banks	12,484	12,463	12,046	-	-	417	-
Securities	109,027	108,791 (4)	55,884	1,196	1,529	51,378	-
Cash collateral on securities borrowed	4,962	4,962	-	4,962	-	-	-
Securities purchased under resale agreements	51,886	51,886	-	51,886	-	-	-
Loans	375,061	375,061 (5)	369,451	428	2,014	16,521	3,168
Other							
Derivative instruments	21,174	21,174 (6)	-	21,174	-	19,442	-
Customers' liability under acceptances	10,011	10,011	10,011	-	-	-	-
Land, buildings and equipment	1,783	1,783	1,783	-	-	-	-
Goodwill	5,555	5,555	-	-	-	-	5,555
Software and other intangible assets	1,920	1,920	-	-	-	-	1,920
Investments in equity-accounted associates and joint ventures	520	918	905	-	-	-	13
Deferred tax assets	621	621	984	-	-	-	(363) (7)
Other assets	15,555	15,451	11,818	2,613	5	796	219
	57,139	57,433	25,501	23,787	5	20,238	7,344
Total assets	614,647	614,684	466,970	82,259	3,548	88,554	10,512
LIABILITIES							
Deposits							
Personal	172,836	172,836	-	-	-	-	172,836
Business and government	239,697	239,697	-	-	-	437	239,260
Bank	13,062	13,062	-	-	-	-	13,062
Secured borrowings	39,112	39,112	-	-	-	-	39,112
	464,707	464,707	-	-	-	437	464,270
Obligations related to securities sold short	15,435	15,435	-	-	-	15,418	17
Cash collateral on securities lent	2,660	2,660	-	2,660	-	-	-
Obligations related to securities sold under repurchase agreements	42,481	42,481	-	42,481	-	-	-
Other							
Derivative instruments	23,337	23,337 (6)	-	12,533	-	21,731	-
Acceptances	10,051	10,051	-	-	-	-	10,051
Deferred tax liability	41	41	-	-	-	-	41
Other liabilities	15,690	15,727	-	-	-	1,874	13,853
	49,119	49,156	-	12,533	-	23,605	23,945
Subordinated indebtedness	4,162	4,162	-	-	-	-	4,162
Total liabilities	578,564	578,601	-	57,674	-	39,460	492,394

(1) Amounts are included in more than one column if they are subject to more than one risk framework.
(2) CIBC's insurance subsidiaries CIBC Re and CIBC Life are excluded from the scope of regulatory consolidation. Refer to table CC2 for further information.
(3) Excludes securitization exposures in the trading book, which are subject to market risk.
(4) Non-trading securities are subject to credit risk, except for certain asset-backed securities that are risk-weighted under the securitization framework. Securities pledged as initial margin or as contributions to default funds of central counterparties, are subject to both credit risk and counterparty credit risk.
(5) Non-trading loans are subject to credit risk only, with the exception of securitization-related loans, which are risk-weighted under the securitization framework. Bankers' acceptances issued by CIBC are considered trading loans and are subject to both credit and market risk.
(6) Trading derivatives are subject to both counterparty credit risk and market risk.
(7) Includes deferred tax liabilities related to goodwill, software and other intangible assets and defined benefit pension assets that are offset against the amounts deducted from regulatory capital.

LI2: MAIN SOURCES OF DIFFERENCES BETWEEN REGULATORY EXPOSURE AMOUNTS AND CARRYING VALUES IN FINANCIAL STATEMENTS

$ millions	Q1/19				
	a	b	c	d	e
		Items subject to:			
	Total[1]	Credit risk framework [2]	Securitization framework	Counterparty credit risk framework	Market risk framework
1 Asset carrying value amount under scope of regulatory consolidation (as per template LI1)	604,172	466,970	3,548	82,259	88,554
2 Liabilities carrying value amount under regulatory scope of consolidation (as per template LI1)	86,207	-	-	57,674	39,460
3 Total net amount under regulatory scope of consolidation	517,965	466,970	3,548	24,585	49,094
4 Off-balance sheet amounts [3]	280,145	210,819	11,250	58,076	-
5 Differences in valuations	837	837 [4]	-	-	-
6 Differences due to different netting rules, other than those already included in row 3 [5]	2,042	-	-	2,042	-
7 Differences due to consideration of provisions [6]	1,467	1,467	-	-	-
8 Differences due to prudential filters	-	-	-	-	-
9 Gross-up for securities financing transactions [7]	90,282	-	-	90,282	-
10 Potential future exposure and alpha for derivatives	22,816	-	-	22,816	-
11 Collateral [8]	(151,750)	-	-	(151,750)	-
12 Other [9]	(48,785)	-	-	-	(48,785)
13 Exposure amounts considered for regulatory purposes	715,019	680,093	14,798	46,051	309

(1) The total in column a will not equal the sum of columns b through e to the extent that items are subject to regulatory capital charges in more than one framework.
(2) Includes exposures of $347 million (Q4/18: $371 million) relating to equity investments in funds.
(3) Comprises off-balance sheet exposures for undrawn commitments, repo-style transactions, derivatives, third-party assets relating to our prime brokerage business and other off-balance sheet items.
(4) Includes basis adjustments for fair value hedges that impact the accounting carrying values but do not impact exposure amounts considered for regulatory purposes.
(5) Netting of exchange traded derivatives is permitted for regulatory purposes only. Netting of certain repo-style transactions cleared through certain central counterparties is permitted for accounting purposes but not for regulatory purposes. A gross-up is therefore required for these repo-style transactions, whereas exposures for exchange-traded derivative transactions are reduced for regulatory purposes.
(6) The accounting carrying value for loans is net of the full allowance for credit losses. For regulatory purposes only allowances on impaired (stage 3) loans that are risk-weighted under the standardized approach are netted against the exposures.
(7) Liabilities for repo-style transaction represent regulatory exposures under the counterparty credit risk framework. As these liabilities are deducted from the carrying value of assets in line 2, a gross-up is required to arrive at the exposure amount considered for regulatory purposes.
(8) Primarily comprises collateral for repo-style transactions, including those settled through QCCPs.
(9) Exposure at default is only considered for securitization positions in the trading book as regulatory capital requirements for all other items subject to the market risk framework are determined based on internally developed market risk models. We use the ERB approach for securitization positions in the trading book.

CC1: COMPOSITION OF REGULATORY CAPITAL

Row	($ millions)	Q1/19	Cross-reference [1]	Q4/18	Q3/18	Q2/18	Q1/18
	Common Equity Tier 1 (CET1) capital: instruments and reserves						
1	Directly issued qualifying common share capital plus related stock surplus	13,477	A+B	13,379	13,334	13,295	13,204
2	Retained earnings	19,101	C	18,537	18,051	17,412	16,701
3	Accumulated other comprehensive income (AOCI) (and other reserves)	752	D	777	746	403	(17)
4	Directly issued capital subject to phase out from CET1 (only applicable to non-joint stock companies)	n/a		n/a	n/a	n/a	n/a
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	121	E	118	118	113	106
6	**Common Equity Tier 1 capital before regulatory adjustments**	33,451		32,811	32,249	31,223	29,994
	Common Equity Tier 1 capital: regulatory adjustments						
7	Prudential valuation adjustments	26	See footnote 2	27	55	50	60
8	Goodwill (net of related tax liabilities)	5,480	F+G+H	5,489	5,436	5,370	5,188
9	Other intangibles other than mortgage-servicing rights (net of related tax liabilities)	1,641	I+J+AL	1,661	1,649	1,654	1,660
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liabilities)	49	K	38	19	5	6
11	Cash flow hedge reserve	25	L	(18)	10	-	39
12	Shortfall of provisions to expected losses [3]	662	See footnote 2	647	625	625	631
13	Securitization gain on sale	-		-	-	-	-
14	Gains and losses due to changes in own credit risk on fair valued liabilities	55	M+AK	41	48	35	27
15	Defined benefit pension fund net assets (net of related tax liabilities)	174	N+O	284	496	259	268
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	3	See footnote 2	1	-	-	-
17	Reciprocal cross holdings in common equity	-		-	-	-	-
18	Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)	-		-	-	-	-
19	Significant investments in the common stock of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions (amount above 10% threshold)	-	P+Q	-	-	-	-
20	Mortgage servicing rights (amount above 10% threshold)	-		-	-	-	-
21	Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability)	-		-	-	-	-
22	Amount exceeding the 15% threshold	-		-	-	-	-
23	of which: significant investments in the common stock of financials	-	R+S	-	-	-	-
24	of which: mortgage servicing rights	-		-	-	-	-
25	of which: deferred tax assets arising from temporary differences	-	T	-	-	-	-
26	Other deductions or regulatory adjustments to CET1 as determined by OSFI	-		-	-	-	-
27	Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 and Tier 2 to cover deductions	-		-	-	-	-
28	**Total regulatory adjustments to Common Equity Tier 1**	8,115		8,170	8,338	7,998	7,879
29	**Common Equity Tier 1 capital (CET1)**	25,336		24,641	23,911	23,225	22,115
	Additional Tier 1 (AT1) capital: instruments						
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus [4]	2,575		2,250	2,250	2,248	2,246
31	of which: classified as equity under applicable accounting standards	2,575	U	2,250	2,250	2,248	2,246
32	of which: classified as liabilities under applicable accounting standards	-		-	-	-	-
33	Directly issued capital instruments subject to phase out from Additional Tier 1	752	V+see footnote 5	1,003	1,003	1,003	1,003
34	Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group AT1)	16	W	14	16	14	13
35	of which: instruments issued by subsidiaries subject to phase out	-		-	-	-	-
36	**Additional Tier 1 capital before regulatory adjustments**	3,343		3,267	3,269	3,265	3,262
	Additional Tier 1 capital: regulatory adjustments						
37	Investments in own Additional Tier 1 instruments	-		-	-	-	-
38	Reciprocal cross holdings in Additional Tier 1 instruments	-		-	-	-	-
39	Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)	-		-	-	-	-
40	Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions	-		-	-	-	-
41	Other deductions from Tier 1 capital as determined by OSFI	-		-	-	-	-
41a	of which: reverse mortgages	-		-	-	-	-
42	Regulatory adjustments applied to Additional Tier 1 due to insufficient Tier 2 to cover deductions	-		-	-	-	-
43	**Total regulatory adjustments to Additional Tier 1 capital**	-		-	-	-	-
44	**Additional Tier 1 capital (AT1)**	3,343		3,267	3,269	3,265	3,262
45	**Tier 1 capital (T1 = CET1 + AT1)**	28,679		27,908	27,180	26,490	25,377
	Tier 2 capital: instruments and provisions						
46	Directly issued qualifying Tier 2 instruments plus related stock surplus [6]	3,484	X	3,430	3,390	3,407	1,925
47	Directly issued capital instruments subject to phase out from Tier 2	601	Y	579	586	1,188	1,182
48	Tier 2 instruments (and CET1 and AT1 instruments not included in rows 5 or 34) issued by subsidiaries and held by third parties (amount allowed in group Tier 2)	23	Z	20	21	20	18
49	of which: instruments issued by subsidiaries subject to phase out	-		-	-	-	-
50	General allowances	276	AA+AB	293	291	280	269
51	**Tier 2 capital before regulatory adjustments**	4,384		4,322	4,288	4,895	3,394

For footnotes, see next page.

($ millions) Row		Q1/19	Cross-reference (1)	Q4/18	Q3/18	Q2/18	Q1/18
52	Investments in own Tier 2 instruments	-		-	-	-	-
53	Reciprocal cross holdings in Tier 2 instruments and other TLAC-eligible instruments	-		-	-	-	-
54	Non-significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation, where the institution does not own more than 10% of the issued common share capital of the entity (amount above 10% threshold)	-		-	-	-	-
54a	Non-significant investments in the other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs, where the institution does not own more than 10% of the issued common share capital of the entity: amount previously designated for the 5% threshold but that no longer meets the conditions	-		-	-	-	-
55	Significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation	-		-	-	-	-
56	Other deductions from Tier 2 capital	-		-	-	-	-
57	Total regulatory adjustments to Tier 2 capital	-		-	-	-	-
58	Tier 2 capital (T2)	4,384		4,322	4,288	4,895	3,394
59	Total capital (TC = T1 + T2)	33,063		32,230	31,468	31,385	28,771
60	Total RWA	225,663		n/a	n/a	n/a	n/a
60a	Common Equity Tier 1 (CET1) Capital RWA (7)	n/a		216,144	211,820	208,068	204,647
60b	Tier 1 Capital RWA (7)	n/a		216,303	211,968	208,231	204,647
60c	Total Capital RWA (7)	n/a		216,462	212,116	208,394	204,647
	Capital ratios						
61	Common Equity Tier 1 (as a percentage of RWAs)	11.2%		11.4%	11.3%	11.2%	10.8%
62	Tier 1 (as a percentage of RWAs)	12.7%		12.9%	12.8%	12.7%	12.4%
63	Total capital (as a percentage of RWAs)	14.7%		14.9%	14.8%	15.1%	14.1%
64	Buffer (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer plus domestic systemically important bank (D-SIB) buffer expressed as a percentage of RWAs)	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	0.0%		0.0%	0.0%	0.0%	0.0%
67a	of which: D-SIB buffer	1.0%		1.0%	1.0%	1.0%	1.0%
68	Common Equity Tier 1 available to meet buffers (as percentage of RWAs)	11.2%		11.4%	11.3%	11.2%	10.8%
	OSFI target (minimum + capital conservation buffer + D-SIB buffer (if applicable)) (8)						
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 financial entities	356	AG+AI+AJ+ see footnote 9	188	204	289	279
73	Significant investments in the common stock of financials	838	AD+AE+AF	847	829	814	804
74	Mortgage servicing rights (net of related tax liability)	-		-	-	-	-
75	Deferred tax assets arising from temporary differences (net of related tax liabilities)	984	AC	1,013	1,024	1,034	1,030
	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)	276		293	291	280	269
77	Cap on inclusion of allowances in Tier 2 under standardized approach	276	AA	293	291	280	269
78	Allowances eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)	-		-	-	-	-
79	Cap on inclusion of allowances in Tier 2 under internal ratings-based approach	-	AB	-	-	-	-
	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	n/a		n/a	n/a	n/a	n/a
81	Amounts excluded from CET1 due to cap (excess over cap after redemptions and maturities)	n/a		n/a	n/a	n/a	n/a
82	Current cap on AT1 instruments subject to phase out arrangements	752	V+see footnote 5	1,003	1,003	1,003	1,003
83	Amounts excluded from AT1 due to cap (excess over cap after redemptions and maturities)	845	AH+see footnote 5	590	602	597	608
84	Current cap on T2 instruments subject to phase out arrangements	1,352		1,802	1,802	1,802	1,802
85	Amounts excluded from T2 due to cap (excess over cap after redemptions and maturities)	-		-	-	-	-

(1) Cross-referenced to the consolidated balance sheet, refer to table CC2.
(2) Not recorded on the consolidated balance sheet.
(3) Provisions in the shortfall calculation represent stage 1, 2, and 3 allowances for credit losses calculated in accordance with IFRS 9.
(4) Comprises non-cumulative Class A Preferred Shares 39, 41, 43, and 45, 47 (effective Q1/18), and 49 (effective Q1/19) which are treated as non-viability contingent capital (NVCC) in accordance with OSFI's capital adequacy guidelines.
(5) Comprises CIBC Tier 1 Notes - Series A and Series B due June 30, 2108 (together, the Tier 1 Notes).
(6) Comprises Debentures due on October 28, 2024, January 26, 2026 and April 4, 2028 which are treated as NVCC in accordance with OSFI's capital adequacy guidelines.
(7) During 2018, before any capital floor requirement, there were three different levels of RWAs for the calculation of CIBC's CET1, Tier 1 and Total capital ratios as CIBC elected in 2014 to phase-in the CVA capital charge as permitted under OSFI's guideline. Q1/18 RWA included a capital floor adjustment. Beginning in the first quarter of 2019 the ratios are calculated by reference to the same level of RWAs as the phase-in of the CVA capital charge has been completed.
(8) Excludes the 1.5% Domestic Stability Buffer that OSFI requires D-SIBs to hold as this buffer requirement is intended to address Pillar 2 risks that are not adequately captured in the Pillar 1 capital requirements. The table above includes only the Pillar 1 capital requirements.
(9) Synthetic positions not recorded on the consolidated balance sheet.
n/a Not applicable.

CC2: RECONCILIATION OF REGULATORY CAPITAL TO BALANCE SHEET

($ millions)	Q1/19					
	Balance sheet as in report to shareholders	Insurance entities adjustment [1] Deconsolidation	Equity accounting	Balance sheet as in the regulatory scope of consolidation	Of which	Cross reference to capital schedule [2]
Assets						
Cash and non-interest-bearing deposits with banks	4,088	-	-	4,088		
Interest-bearing deposits with banks	12,484	(21)	-	12,463		
Securities	109,027	(236)	-	108,791		
Significant investments in capital of other financial institutions not exceeding regulatory thresholds					-	AF
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					66	AG
Significant investments in capital of non-financial institutions					-	
Other securities					108,725	
Cash collateral on securities borrowed	4,962	-	-	4,962		
Securities purchased under resale agreements	51,886	-	-	51,886		
Loans	376,776	-	-	376,776		
Allowance for credit losses	(1,715)	-	-	(1,715)		
General allowance reflected in Tier 2 capital					(276)	AA
Excess in allowance over expected losses reflected in Tier 2 capital					-	AB
Allowances not reflected in regulatory capital					(1,439)	
Derivative instruments	21,174	-	-	21,174		
Customers' liability under acceptances	10,011	-	-	10,011		
Land, buildings and equipment	1,783	-	-	1,783		
Goodwill	5,555	-	-	5,555		F
Software and other intangible assets	1,920	-	-	1,920		I
Investments in equity-accounted associates and joint ventures	520	-	398	918		
Significant investments in capital of other financial institutions exceeding regulatory thresholds (10% of CET1)					-	P
Significant investments in capital of other financial institutions exceeding regulatory thresholds (15% basket of CET1)					-	R
Significant investments in capital of other financial institutions not exceeding regulatory thresholds					440	AD
Significant investments in capital of other financial institutions related to goodwill					10	G
Significant investments in capital of other financial institutions related to intangibles					3	AL
Significant investments in capital of non-financial institutions					37	
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (10% of CET1)					-	Q
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (15% basket of CET1)					-	S
Investment in deconsolidated subsidiaries not exceeding regulatory thresholds					398	AE
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					14	AJ
Non-significant investments in capital of non-financial institutions					16	
Deferred tax assets	621	-	-	621		
Deferred tax assets excluding those arising from temporary differences					49	K
Deferred tax assets arising from temporary differences exceeding regulatory thresholds (15% basket of CET1)					-	T
Deferred tax assets arising from temporary differences not exceeding regulatory thresholds					984	AC
Deferred tax liabilities related to goodwill					(85)	H
Deferred tax liabilities related to software and other intangible assets					(282)	J
Deferred tax liabilities related to defined benefit pension fund net assets					(45)	O
Other assets						
Defined benefit pension fund net assets	219	-	-	219		N
Other	15,336	(104)	-	15,232		
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					5	AI
Other					15,227	
Total assets	614,647	(361)	398	614,684		

For footnotes, see next page.

CC2: RECONCILIATION OF REGULATORY CAPITAL TO BALANCE SHEET (continued)

($ millions)	Q1/19					
	Balance sheet as in report to shareholders	Insurance entities adjustment [1] Deconsolidation	Equity accounting	Balance sheet as in the regulatory scope of consolidation	Of which	Cross reference to capital schedule [2]
Liabilities						
Deposits	464,707	-	-	464,707		
Obligations related to securities sold short	15,435	-	-	15,435		
Cash collateral on securities lent	2,660	-	-	2,660		
Obligations related to securities sold under repurchase agreements	42,481	-	-	42,481		
Derivative instruments	23,337	-	-	23,337		
Acceptances	10,051	-	-	10,051		
Deferred tax liabilities	41	-	-	41		
Other liabilities	15,690	(17)	54	15,727		
Subordinated indebtedness	4,162	-	-	4,162		
Subordinated indebtedness allowed for inclusion in Tier 2 capital					3,484	X
Subordinated indebtedness allowed for inclusion in Tier 2 capital subject to phase out					601	Y
Regulatory capital amortization of maturing subordinated indebtedness not allowed for Tier 2 capital					-	
Subordinated indebtedness excluded from Tier 2 capital due to cap					-	
Subordinated indebtedness not allowed for Tier 2 capital					77	
Total liabilities	578,564	(17)	54	578,601		
Equity						
Preferred shares	2,575	-	-	2,575		
Preferred shares allowed for inclusion into additional Tier 1 capital					2,575	U
Preferred shares allowed for inclusion into additional Tier 1 capital subject to phase out					-	V
Preferred shares excluded from additional Tier 1 capital due to cap					-	AH
Common shares	13,350	-	-	13,350		
Common shares – treasury positions					4	
Common shares					13,346	A
Contributed surplus	131	-	-	131		B
Retained earnings	19,101	(344)	344	19,101		C
Gains and losses due to changes in own credit risk on fair valued liabilities					56	M
Other retained earnings					19,045	
AOCI	752	-	-	752		D
Cash flow hedges					25	L
Net fair value gains (losses) arising from changes in institution's own credit risk					(1)	AK
Other					728	
Non-controlling interests	174	-	-	174		
Portion allowed for inclusion into CET1					121	E
Portion allowed for inclusion into additional Tier 1 capital					16	W
Portion allowed for inclusion into Tier 2 capital					23	Z
Portion not allowed for regulatory capital					14	
Total equity	36,083	(344)	344	36,083		
Total liabilities and equity	614,647	(361)	398	614,684		

(1) Comprises our insurance subsidiaries: CIBC Reinsurance Company Limited (CIBC Re), and CIBC Life Insurance Company Limited (CIBC Life), which are excluded from the regulatory scope of consolidation. CIBC Re provides life and health reinsurance to Canadian insurance and international reinsurance companies. CIBC Re is also an active participant in the North American retrocession market. CIBC Life is primarily involved in direct underwriting of life insurance products and has assumed a closed creditor product block of business from a Canadian underwriter; current policies in-force include accidental death, hospital accident, hospital cash benefit plans, critical accident plan, accident recovery plan, term life, and creditor life and disability insurance products. As at January 31, 2019, CIBC Re had $212 million in assets, $80 million in liabilities, and $132 million in equity, and CIBC Life had $149 million in assets, $(63) million in liabilities, and $212 million in equity.

(2) Refer to table CC1.

CHANGES IN REGULATORY CAPITAL

($ millions)

	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
Common Equity Tier 1 (CET1) capital					
Opening amount	**24,641**	23,911	23,225	22,115	21,618
Issue of common shares pursuant to the acquisition of The PrivateBank	**-**	-	-	-	194
Issue of common shares pursuant to the acquisition of Geneva Advisors	**-**	-	-	-	-
Issue of common shares pursuant to the acquisition of Wellington Financial	**-**	-	-	-	47
Shares issued in lieu of cash dividends (add back)	**57**	48	46	47	196
Other issue of common shares	**47**	46	48	42	82
Redeemed capital	**-**	-	-	-	-
Purchase of common shares for cancellation	**-**	(52)	(52)	-	-
Premium on purchase of common shares for cancellation	**-**	(163)	(150)	-	-
Gross dividends (deduction)	**(626)**	(626)	(612)	(615)	(592)
Profit for the quarter (attributable to shareholders of the parent company)	**1,178**	1,266	1,365	1,313	1,323
Removal of own credit spread (net of tax)	**(14)**	7	(13)	(8)	14
Change in AOCI balances included in regulatory capital					
Currency translation differences	**(28)**	181	151	536	(582)
Securities measured at fair value through other comprehensive income (FVOCI)	**85**	(19)	(45)	(73)	(54)
Cash flow hedges	**43**	(28)	10	(39)	6
Post-employment defined benefit plans	**(135)**	(95)	219	(5)	107
Goodwill and other intangible assets (deduction, net of related tax liabilities)	**29**	(65)	(61)	(176)	90
Shortfall of allowance to expected losses	**(15)**	(22)	-	6	(157)
Other, including regulatory adjustments and transitional arrangements					
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	**(11)**	(19)	(14)	1	12
Defined benefit pension fund net assets	**110**	212	(237)	9	(108)
Significant investments in financial institutions (amount above 10% threshold)	**-**	-	-	-	-
Amount exceeding 15% threshold	**-**	-	-	-	-
Prudential valuation adjustments	**1**	28	(5)	10	2
Other [(1)]	**(26)**	31	36	62	(83)
Closing amount	**25,336**	24,641	23,911	23,225	22,115
Additional Tier 1 (AT1) capital					
Opening amount	**3,267**	3,269	3,265	3,262	3,064
AT1 eligible capital issues	**325**	-	-	-	450
Redeemed capital	**-**	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	**(251)**	-	-	-	(251)
Other, including regulatory adjustments and transitional arrangements	**2**	(2)	4	3	(1)
Closing amount	**3,343**	3,267	3,269	3,265	3,262
Total Tier 1 capital	**28,679**	27,908	27,180	26,490	25,377
Tier 2 capital					
Opening amount	**4,322**	4,288	4,895	3,394	3,447
New Tier 2 eligible capital issues	**-**	-	-	1,500	-
Redeemed capital	**-**	-	(600)	-	-
Amortization adjustments	**-**	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	**-**	-	-	-	-
Other, including regulatory adjustments and transitional arrangements	**62**	34	(7)	1	(53)
Closing amount	**4,384**	4,322	4,288	4,895	3,394
Total capital	**33,063**	32,230	31,468	31,385	28,771

(1) Includes the net impact on retained earnings and AOCI as at November 1, 2017 from the adoption of IFRS 9.

TLAC1: TLAC COMPOSITION (AT RESOLUTION GROUP LEVEL)

($ millions)		Q1/19 Amounts
	Regulatory capital elements of TLAC and adjustments	
1	Common Equity Tier 1 capital (CET1)	25,336
2	Additional Tier 1 capital (AT1) before TLAC adjustments	3,343
3	AT1 ineligible as TLAC as issued out of subsidiaries to third parties	-
4	Other adjustments	-
5	AT1 instruments eligible under the TLAC framework	3,343
6	Tier 2 capital (T2) before TLAC adjustments	4,384
7	Amortized portion of T2 instruments where remaining maturity > 1 year	-
8	T2 capital ineligible as TLAC as issued out of subsidiaries to third parties	-
9	Other adjustments	-
10	T2 instruments eligible under the TLAC framework	4,384
11	TLAC arising from regulatory capital	33,063
	Non-regulatory capital elements of TLAC	
12	External TLAC instruments issued directly by the bank and subordinated to excluded liabilities	-
13	External TLAC instruments issued directly by the bank which are not subordinated to excluded liabilities but meet all other TLAC term sheet requirements	1,589
14	Of which: amount eligible as TLAC after application of the caps	-
15	External TLAC instruments issued by funding vehicles prior to January 1, 2022	-
16	Eligible ex ante commitments to recapitalize a G-SIB in resolution	-
17	TLAC arising from non-regulatory capital instruments before adjustments	1,589
	Non-regulatory capital elements of TLAC: adjustments	
18	TLAC before deductions	34,652
19	Deductions of exposures between MPE resolution groups that correspond to items eligible for TLAC (not applicable to SPE G-SIBs and D-SIBs)	n/a
20	Deduction of investments in own other TLAC liabilities	-
21	Other adjustments to TLAC	-
22	TLAC available after deductions	34,652
	RWAs and leverage exposure measure for TLAC purposes	
23	Total RWAs adjusted as permitted under the TLAC regime	225,663
24	Leverage exposure measure	674,962
	TLAC ratios and buffers [(1)]	
25	TLAC Ratio (as a percentage of RWAs adjusted as permitted under the TLAC regime) (%)	15.4%
26	TLAC Leverage Ratio (as a percentage of leverage exposure) (%)	5.1%
27	CET1 (as a percentage of RWAs) available after meeting the resolution group's minimum capital and TLAC requirements	n/a [(2)]
28	Institution-specific buffer (capital conservation buffer plus countercyclical buffer plus higher loss absorbency, expressed as a percentage of RWAs)	3.5%
29	Of which: capital conservation buffer	2.5%
30	Of which: bank specific countercyclical buffer	0.0%
31	Of which: D-SIB / G-SIB buffer	1.0%

(1) The Canadian bail-in regime, including OSFI's TLAC Guideline, came into effect on September 23, 2018. Under this regime, CIBC is required to meet target TLAC requirements by November 1, 2021. As a D-SIB, CIBC will be subject to a target risk-based TLAC Ratio of 23.25% (comprised of a minimum ratio of 21.5% and a Domestic Stability Buffer of 1.75% that is effective April 30, 2019) and a TLAC Leverage Ratio of 6.75%. In May 2018, OSFI issued a final guideline on TLAC disclosure requirements that requires D-SIBs to begin disclosing their TLAC and TLAC leverage ratios in the first quarter of 2019.

(2) Not applicable until the first quarter of 2022.

n/a Not applicable.

TLAC3: RESOLUTION ENTITY - CREDITOR RANKING AT LEGAL ENTITY LEVEL (1)(2)

($ millions)	Q1/19					
	Creditor ranking					
	(most junior)				(most senior)	
1 Description of creditor ranking	Common shares	Preferred shares	Subordinated debt	Bail-in debt (3)	Other liabilities (4)	Total
2 Total capital and liabilities net of credit risk mitigation	13,350	2,575	4,059	1,642	-	21,626
3 Subset of row 2 that are excluded liabilities	4	-	-	-	-	4
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	13,346	2,575	4,059	1,642	-	21,622
5 Subset of row 4 that are potentially eligible as TLAC	13,346	2,575	4,059	1,589	-	21,569
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	25	-	25
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	1,432	-	1,432
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	3,500	132	-	3,632
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	559	-	-	559
10 Subset of row 5 that is perpetual securities	13,346	2,575	-	-	-	15,921

(1) Presented for CIBC at the legal entity level and therefore instruments issued by subsidiaries and special purpose entities are excluded.
(2) Common shares are presented at book value, preferred shares are presented at stated value and subordinated debt and bail-in-debt are presented at face value.
(3) Bail-in debt instruments are those liabilities which are subject to the bank recapitalization (bail-in) conversion regulations issued by the Department of Finance (Canada). Senior debt issued on or after September 23, 2018, with an original term to maturity of more than 400 days (including explicit or embedded options) that is unsecured or partially secured is subject to bail-in. Consumer deposits, certain derivatives, covered bonds, and certain structured notes would not be eligible for bail-in. While bail-in debt instruments and other senior unsecured liabilities issued by Canadian D-SIBs rank equally in the event of liquidation, only bail-in debt is subject to conversion under the bail-in regime. Bail-in debt issued by Canadian D-SIBs qualifies as TLAC pursuant to the exemption from the subordination requirement under the antepenultimate paragraph of Section 11 of the FSB TLAC Term Sheet.
(4) Disclosure not currently required by OSFI.

LR1: SUMMARY COMPARISON OF ACCOUNTING ASSETS VS. LEVERAGE RATIO EXPOSURE MEASURE

($ millions)

Row [(1)]		Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
1	Total consolidated assets as per published financial statements	**614,647**	597,099	595,025	590,537	586,927
2	Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	**37**	38	37	27	67
3	Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transference	**(3,168)**	-	-	-	-
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	Adjustment for derivative financial instruments	**4,812**	5,990	3,892	1,942	(4,182)
6	Adjustment for securities financing transactions (i.e. repos and similar secured lending)	**(681)**	(1,815)	(1,165)	(1,292)	(1,945)
7	Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	**72,029**	65,826	65,366	63,625	61,497
8	Other adjustments	**(12,714)**	(13,192)	(13,986)	(13,532)	(15,758)
9	**Leverage ratio exposure measure**	**674,962**	653,946	649,169	641,307	626,606

LR2: LEVERAGE RATIO COMMON DISCLOSURE TEMPLATE

($ millions)

Row [(1)]		Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
	On-balance sheet exposures					
1	On-balance sheet items (excluding derivatives, securities financing transactions (SFTs) and grandfathered securitization exposures, but including collateral)	**533,494**	526,651	522,696	514,986	500,027
2	Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework (IFRS)	**-**	-	-	-	-
3	(Deductions of receivables assets for cash variation margin provided in derivative transactions)	**(4,653)**	(4,944)	(4,928)	(3,810)	(5,502)
4	(Asset amounts deducted in determining Tier 1 capital)	**(8,060)**	(8,130)	(8,291)	(7,964)	(7,852)
5	**Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 to 4)**	**520,781**	513,577	509,477	503,212	486,673
	Derivative exposures					
6	Replacement cost associated with all derivative transactions	**6,656**	6,074	5,973	5,992	6,734
7	Add-on amounts for potential future exposure (PFE) associated with all derivative transactions	**19,329**	21,346	19,922	19,889	18,387
8	(Exempted central counterparty (CCP)-leg of client cleared trade exposures)	**-**	-	-	-	-
9	Adjusted effective notional amount of written credit derivatives	**-**	211	13	141	467
10	(Adjusted effective notional offsets and add-on deductions for written credit derivatives)	**-**	(211)	(13)	(141)	(467)
11	**Total derivatives exposures (sum of lines 6 to 10)**	**25,985**	27,420	25,895	25,881	25,121
	Securities financing transaction exposures					
12	Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	**56,848**	48,938	49,596	49,881	55,260
13	(Netted amounts of cash payables and cash receivables of gross SFT assets)	**(3,610)**	(4,029)	(3,107)	(4,065)	(4,501)
14	Counterparty credit risk (CCR) exposure for SFTs	**2,929**	2,214	1,942	2,773	2,556
15	Agent transaction exposures	**-**	-	-	-	-
16	**Total securities financing transaction exposures (sum of lines 12 to 15)**	**56,167**	47,123	48,431	48,589	53,315
	Other off-balance sheet exposures					
17	Off-balance sheet exposure at gross notional amount	**252,600**	248,850	246,660	241,179	236,408
18	(Adjustments for conversion to credit equivalent amounts)	**(180,571)**	(183,024)	(181,294)	(177,554)	(174,911)
19	**Off-balance sheet items (sum of lines 17 and 18)**	**72,029**	65,826	65,366	63,625	61,497
	Capital and Total Exposures					
20	**Tier 1 capital**	**28,679**	27,908	27,180	26,490	25,377
21	**Total Exposures (sum of lines 5, 11, 16 and 19)**	**674,962**	653,946	649,169	641,307	626,606
	Leverage Ratio					
22	**Basel III leverage ratio**	**4.2%**	4.3%	4.2%	4.1%	4.0%

(1) To enhance comparability, the information for Q4/18 and prior quarters has been re-arranged to align with the row numbers in OSFI's "Leverage Ratio Disclosure Requirements" published in November 2018. The information for Q4/18 and prior quarters has not changed, however certain subtotals have been restated to align with the current presentation.

CR1: CREDIT QUALITY OF ASSETS

$ millions	Q1/19				Q4/18			
	a	b	c	d	a	b	c	d
	Gross carrying values of				Gross carrying values of			
	Defaulted exposures [1]	Non-defaulted exposures	Allowances/ impairments	Net value (a+b-c)	Defaulted exposures [1]	Non-defaulted exposures	Allowances/ impairments	Net value (a+b-c)
1 Loans	1,794	384,993	1,715	385,072	1,480	381,820	1,639	381,661
2 Debt securities	411	82,439	24	82,826	375	75,380	23	75,732
2a Other investment [2]	-	11	-	11	-	11	-	11
3 Off-balance sheet exposures [3]	238	251,937	130	252,045	29	248,678	102	248,605
4 Total	2,443	719,380	1,869	719,954	1,884	705,889	1,764	706,009

(1) For our retail exposures, our accounting definitions for past due and impaired are the same as our regulatory definitions for past due and defaulted, respectively. For our business and government exposures, our accounting and regulatory definitions of past due are the same, but our accounting definition for impairment takes into consideration guarantees and security for an individual exposure, while our regulatory definition of default is based on the financial condition of the borrower without consideration of guarantees and security. Under IFRS, all past due accounts that are not impaired and all non-past due accounts are classified either in stage 1 or in stage 2, and all impaired exposures are classified in stage 3 for expected credit loss provisioning. This column includes defaulted exposures based on our regulatory definition. Past due loans are considered non-defaulted exposures.
(2) Other investments include equity investments subject to the credit risk framework.
(3) Includes $118.6 billion (Q4/18: $116.5 billion) of personal, home equity and credit card lines, which are unconditionally cancellable at our discretion.

CR2: CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES [1][2]

$ millions	Q1/19	Q4/18
	a	a
1 Defaulted loans and debt securities at end of the previous reporting period	1,884	2,161
2 Loans and debt securities that have defaulted since the last reporting period	1,147	591
Amounts repaid	(240)	(446)
3 Returned to non-defaulted status	(108)	(159)
4 Amounts written off	(278)	(272)
5 Other changes [3]	38	9
6 Defaulted loans and debt securities at end of the reporting period (1+2-3-4+5)	2,443	1,884

(1) For our retail exposures, our accounting definitions for past due and impaired are the same as our regulatory definitions for past due and defaulted, respectively. For our business and government exposures, our accounting and regulatory definitions of past due are the same, but our accounting definition for impairment takes into consideration guarantees and security for an individual exposure, while our regulatory definition of default is based on the financial condition of the borrower without consideration of guarantees and security. Under IFRS, all past due accounts that are not impaired and all non-past due accounts are classified either in stage 1 or in stage 2, and all impaired exposures are classified in stage 3 for expected credit loss provisioning. This column includes defaulted exposures based on our regulatory definition. Past due loans are considered non-defaulted exposures.
(2) Includes off-balance sheet exposures.
(3) Includes changes due to foreign exchange movements.

CR3: CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW

$ millions	Q1/19					Q4/18				
	a	b1	b	d	f	a	b1	b	d	f
	Exposure unsecured: carrying amount [1]	Exposure secured [2]	Exposure secured by collateral [3]	Exposures secured by financial guarantees	Exposures secured by credit derivatives [4]	Exposure unsecured: carrying amount [1]	Exposure secured [2]	Exposure secured by collateral [3]	Exposures secured by financial guarantees	Exposures secured by credit derivatives [4]
1 Loans	49,718	335,354	334,788	566	-	50,022	331,639	331,242	397	-
2 Debt securities	64,411	18,415	2,850	15,565	-	58,978	16,754	2,599	14,155	-
3 Total [3]	114,129	353,769	337,638	16,131	-	109,000	348,393	333,841	14,552	-
4 Of which defaulted	666	1,010	1,008	2	-	727	1,189	1,187	2	-

(1) Includes fully unsecured exposures and the unsecured portion of partially-secured exposures.
(2) Amounts reflect the entire carrying value of exposures which are secured by either collateral or financial guarantees.
(3) All residential mortgages are included in exposure secured by collateral.
(4) Excludes derivatives which do not qualify in reducing exposures considered for regulatory capital purposes.

CR4: STANDARDIZED APPROACH - CREDIT RISK EXPOSURE AND CREDIT RISK MITIGATION (CRM) EFFECTS

$ millions	Q1/19					
	a	b	c	d	e	f
	Exposures before CCF [(1)] and CRM		Exposures post-CCF and CRM		RWA and RWA density	
Asset classes	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density %
1 Sovereigns and their central banks	13,745	-	13,745	-	2,432	18
2 Non-central government public sector entities	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-
4 Banks	1,952	4	1,952	4	476	24
5 Securities firms	-	-	-	-	-	-
6 Corporates	27,508	6,285	27,508	6,285	33,559	99
7 Regulatory retail portfolios	1,197	26	1,197	26	886	72
8 Secured by residential property	3,682	2	3,682	2	2,413	65
9 Secured by commercial real estate	-	-	-	-	-	-
10 Equity [(2)]	411	-	411	-	436	106
11 Past-due loans [(3)]	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-
13 Other assets [(4)]	8,152	-	8,152	-	9,679	119
14 Total	56,647	6,317	56,647	6,317	49,881	79

$ millions	Q4/18					
	a	b	c	d	e	f
	Exposures before CCF [(1)] and CRM		Exposures post-CCF and CRM		RWA and RWA density	
Asset classes	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density %
1 Sovereigns and their central banks	12,047	-	12,047	-	2,319	19
2 Non-central government public sector entities	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-
4 Banks	1,868	5	1,868	5	465	25
5 Securities firms	-	-	-	-	-	-
6 Corporates	26,876	5,712	26,876	5,712	32,409	99
7 Regulatory retail portfolios	1,218	26	1,218	26	915	74
8 Secured by residential property	3,647	2	3,647	2	2,751	75
9 Secured by commercial real estate	-	-	-	-	-	-
10 Equity [(2)]	411	-	411	-	436	106
11 Past-due loans [(3)]	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-
13 Other assets [(4)]	8,707	-	8,707	-	10,095	116
14 Total	54,774	5,745	54,774	5,745	49,390	82

(1) Credit conversion factor.
(2) Comprises non-trading equities that are risk-weighted at 100% under the materiality clause. RWAs include the 6% adjustment for the scaling factor.
(3) Past due loans relating to CIBC FirstCaribbean and CIBC Bank USA are included in rows 1-9 of this table.
(4) Comprises amounts relating to settlement risk and other assets that are subject to the credit risk framework but are not included in the standardized or IRB frameworks, including other balance sheet assets that are risk-weighted at 100%, significant investments in the capital of non-financial institutions that are risk-weighted at 1250%, settlement risk, and amounts below the thresholds for deduction that are risk-weighted at 250%.

CR5: STANDARDIZED APPROACH - EXPOSURES BY ASSET CLASSES AND RISK-WEIGHTS

$ millions	Q1/19									
	a	b	c	d	e	f	g	h	i	j
	Risk weight									
Asset classes	0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1 Sovereigns and their central banks	7,902	-	4,487	-	107	-	786	463	-	13,745
2 Non-central government public sector entities (PSEs)	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks (MDBs)	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	1,800	-	83	-	70	3	-	1,956
5 Securities firms	-	-	-	-	-	-	-	-	-	-
6 Corporates	246	-	40	-	26	-	33,363	118	-	33,793
7 Regulatory retail portfolios	43	-	17	-	5	1,122	29	7	-	1,223
8 Secured by residential property	-	-	16	918	-	2,660	83	7	-	3,684
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10 Equity (1)	-	-	-	-	-	-	411	-	-	411
11 Past-due loans	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13 Other assets (2)	1,640	-	-	-	-	-	4,653	-	1,859	8,152
14 Total	9,831	-	6,360	918	221	3,782	39,395	598	1,859	62,964

$ millions	Q4/18									
	a	b	c	d	e	f	g	h	i	j
	Risk weight									
Asset classes	0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1 Sovereigns and their central banks	6,454	-	4,314	-	107	-	711	461	-	12,047
2 Non-central government public sector entities (PSEs)	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks (MDBs)	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	1,702	-	101	-	61	9	-	1,873
5 Securities firms	-	-	-	-	-	-	-	-	-	-
6 Corporates	198	-	27	-	24	-	32,227	112	-	32,588
7 Regulatory retail portfolios	38	-	15	-	5	1,136	36	14	-	1,244
8 Secured by residential property	-	-	16	-	-	3,536	97	-	-	3,649
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10 Equity (1)	-	-	-	-	-	-	411	-	-	411
11 Past-due loans	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13 Other assets (2)	1,835	-	-	-	-	-	4,973	-	1,899	8,707
14 Total	8,525	-	6,074	-	237	4,672	38,516	596	1,899	60,519

(1) Comprises non-trading equity exposures that are risk-weighted at 100% under the materiality clause.
(2) Comprises balance sheet assets that are subject to the credit risk framework but are not included in the standardized or IRB frameworks, including settlement risk and amounts below the thresholds for deduction which are risk-weighted at 250%.

CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE [1]

$ millions	Q1/19											
	a	b	c	d	e	f	g	h	i	j	k	l
PD scale	Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF	Average CCF %	EAD post CRM and post-CCF	Average PD %	Number of obligors [2]	Average LGD %	Average maturity [3]	RWA [4]	RWA density %	Expected losses [5]	Provisions [5]
Business and government portfolios												
Corporate												
0.00 to <0.15	10,807	21,562	72	26,405	0.08	1,885	29	2.0	5,335	20	7	
0.15 to <0.25	20,264	25,996	67	37,599	0.19	4,054	42	2.5	15,999	43	30	
0.25 to <0.50	12,158	12,803	66	20,561	0.34	3,849	38	2.5	10,595	52	26	
0.50 to <0.75	24,067	14,835	50	31,517	0.64	2,079	33	2.4	18,243	58	65	
0.75 to <2.50	18,308	10,727	53	23,963	1.70	7,114	31	2.2	16,775	70	126	
2.50 to <10.00	2,594	1,454	51	3,341	6.62	26,612	31	1.9	3,791	113	70	
10.00 to <100.00	533	271	61	700	24.76	384	35	2.0	1,269	181	61	
100.00 (Default)	511	238	88	721	100.00	440	38	2.0	1,683	233	160	
	89,242	87,886	65	144,807	0.96	46,417	35	2.3	73,690	51	545	270
Sovereign												
0.00 to <0.15	51,944	10,495	63	58,530	0.02	1,165	8	3.0	1,394	2	1	
0.15 to <0.25	54	380	76	342	0.23	58	18	1.9	54	16	-	
0.25 to <0.50	189	63	77	238	0.33	56	35	1.3	86	36	-	
0.50 to <0.75	431	176	30	485	0.54	35	7	0.3	40	8	-	
0.75 to <2.50	41	9	69	47	1.80	32	18	1.8	18	38	-	
2.50 to <10.00	104	2	71	106	6.25	295	10	2.2	42	40	1	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	52,763	11,125	66	59,748	0.04	1,641	8	2.8	1,634	3	2	-
Banks												
0.00 to <0.15	13,167	64,108	99	76,750	0.06	390	9	0.3	2,341	3	5	
0.15 to <0.25	1,413	3,071	89	4,162	0.17	79	7	0.7	200	5	-	
0.25 to <0.50	75	642	65	494	0.33	26	6	1.0	30	6	-	
0.50 to <0.75	34	169	84	177	0.73	33	12	0.3	31	18	-	
0.75 to <2.50	40	245	100	284	2.30	20	6	0.2	47	17	-	
2.50 to <10.00	631	28	93	657	6.08	211	12	2.4	307	47	5	
10.00 to <100.00	-	-	-	-	17.06	1	40	0.1	-	n/a	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	15,360	68,263	98	82,524	0.33	760	9	-	2,956	4	10	1

(1) Amounts are calculated after taking into consideration the effect of credit risk mitigation strategies.
(2) Where a guarantee from a third-party exists, the credit rating of both the obligor and the guarantor will be assessed. In situations where an obligor has multiple outstanding exposures, those exposures without a guarantee reflect the PD of the obligor whereas guaranteed exposures will reflect the PD of the third-party. In such situations, the obligor will appear twice in both PD bands.
(3) Denoted in years.
(4) CIBC does not use credit derivatives to reduce RWA.
(5) Expected loss amounts are calculated for regulatory capital purposes based on our historical experience through-the-cycle and do not incorporate forward-looking information. Provision amounts represent stage 1, 2, and 3 allowance for credit loss amounts calculated in accordance with IFRS 9, which incorporate forward-looking information. Expected losses and provisions are both inputs into the calculation to determine the shortfall of allowances versus expected losses (if any) to be deducted from regulatory capital.
n/a Not applicable.

CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE (continued) (1)

$ millions	Q1/19											
	a	b	c	d	e	f	g	h	i	j	k	l
PD scale	Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF	Average CCF %	EAD post CRM and post-CCF	Average PD %	Number of obligors (2)	Average LGD %	Average maturity (3)	RWA (4)	RWA density %	Expected losses (5)	Provisions (5)
Retail portfolios												
Real estate secured personal lending (insured)												
0.00 to <0.15	74,270	-	n/a	74,270	0.01	392,979	5	n/a	912	1	1	
0.15 to <0.25	-	-	-	-	-	-	-	-	-	-	-	
0.25 to <0.50	-	-	-	-	-	-	-	-	-	-	-	
0.50 to <0.75	-	-	-	-	-	-	-	-	-	-	-	
0.75 to <2.50	-	-	-	-	-	-	-	-	-	-	-	
2.50 to <10.00	-	-	-	-	-	-	-	-	-	-	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	74,270	-	n/a	74,270	0.01	392,979	5	n/a	912	1	1	12
Real estate secured personal lending (uninsured)												
0.00 to <0.15	97,174	47,830	31	112,199	0.07	743,799	22	n/a	4,788	4	18	
0.15 to <0.25	7,884	-	-	7,884	0.19	26,370	25	n/a	793	10	4	
0.25 to <0.50	19,466	3,431	96	22,744	0.32	71,113	21	n/a	2,906	13	15	
0.50 to <0.75	12,669	2,166	33	13,382	0.57	70,330	22	n/a	2,676	20	17	
0.75 to <2.50	7,635	444	34	7,786	1.28	33,676	24	n/a	2,924	38	24	
2.50 to <10.00	3,389	23	41	3,398	5.83	13,612	21	n/a	2,599	76	41	
10.00 to <100.00	557	38	36	571	37.12	3,579	25	n/a	821	144	48	
100.00 (Default)	335	-	-	335	100.00	2,196	26	n/a	365	109	64	
	149,109	53,932	36	168,299	0.65	964,675	22	n/a	17,872	11	231	115
Qualifying revolving retail												
0.00 to <0.15	2,968	45,584	78	38,430	0.06	3,913,914	95	n/a	1,381	4	20	
0.15 to <0.25	565	4,609	84	4,431	0.21	1,234,255	87	n/a	457	10	8	
0.25 to <0.50	2,370	6,848	68	6,995	0.34	1,091,144	90	n/a	1,094	16	21	
0.50 to <0.75	2,536	3,774	59	4,771	0.66	578,727	89	n/a	1,253	26	28	
0.75 to <2.50	5,239	7,136	70	10,247	1.43	1,995,515	90	n/a	4,880	48	133	
2.50 to <10.00	4,488	2,164	68	5,966	4.35	986,086	88	n/a	6,027	101	229	
10.00 to <100.00	803	347	70	1,047	30.28	269,769	89	n/a	2,346	224	281	
100.00 (Default)	45	-	-	45	100.00	15,487	85	n/a	73	162	37	
	19,014	70,462	75	71,932	1.19	10,084,897	92	n/a	17,511	24	757	810
Other retail												
0.00 to <0.15	3,269	1,746	76	4,589	0.11	80,362	45	n/a	489	11	2	
0.15 to <0.25	66	11	9	67	0.22	17,465	84	n/a	26	39	-	
0.25 to <0.50	772	550	58	1,089	0.30	43,900	73	n/a	448	41	2	
0.50 to <0.75	942	274	53	1,087	0.61	29,197	72	n/a	666	61	5	
0.75 to <2.50	4,174	783	59	4,636	1.20	127,042	76	n/a	3,864	83	42	
2.50 to <10.00	2,307	163	67	2,417	4.32	148,199	61	n/a	2,311	96	73	
10.00 to <100.00	537	301	61	722	51.26	269,442	26	n/a	518	72	86	
100.00 (Default)	61	-	-	61	100.00	11,947	74	n/a	10	16	57	
	12,128	3,828	66	14,668	4.14	727,554	61	n/a	8,332	57	267	143
Total (all portfolios)	411,886	295,496	69	616,248	0.40	12,218,923	16	n/a	122,907	20	1,813	1,351

(1) Amounts are calculated after taking into consideration the effect of credit risk mitigation strategies.
(2) The number of obligors for retail products reflects account level information rather than individual borrowers. In addition, certain products within real estate secured personal lending include both insured and uninsured components, such as mortgages and home-equity lines of credit secured by the same property. In such situations, the obligor will appear twice in both the insured and uninsured categories within the applicable PD band.
(3) Denoted in years.
(4) CIBC does not use credit derivatives to reduce RWA.
(5) Expected loss amounts are calculated for regulatory capital purposes based on our historical experience through-the-cycle and do not incorporate forward-looking information. Provision amounts represent stage 1, 2, and 3 allowance for credit loss amounts calculated in accordance with IFRS 9, which incorporate forward-looking information. Expected losses and provisions are both inputs into the calculation to determine the shortfall of allowances versus expected losses (if any) to be deducted from regulatory capital.
(6) Certain prior period amounts have been restated.
n/a Not applicable.

$ millions	Q4/18											
	a	b	c	d	e	f	g	h	i	j	k	l
PD scale	Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF	Average CCF %	EAD post CRM and post-CCF	Average PD %	Number of obligors [2]	Average LGD %	Average maturity [3]	RWA [4]	RWA density %	Expected losses [5]	Provisions [5]
Business and government portfolios												
Corporate												
0.00 to <0.15	9,855	22,905	75	27,119	0.08	1,873	28	1.9	5,403	20	7	
0.15 to <0.25	19,396	25,476	69	36,995	0.19	4,072	42	2.5	15,516	42	29	
0.25 to <0.50	12,082	12,882	68	20,812	0.34	3,816	38	2.4	10,464	50	26	
0.50 to <0.75	23,680	15,416	50	31,400	0.64	2,067	33	2.4	18,000	57	65	
0.75 to <2.50	17,185	10,558	53	22,783	1.72	7,027	31	2.1	15,832	69	120	
2.50 to <10.00	2,315	1,152	53	2,920	6.59	27,190	33	2.2	3,433	118	62	
10.00 to <100.00	525	246	58	667	26.02	402	42	1.8	1,415	212	68	
100.00 (Default)	240	28	52	255	100.00	395	41	1.6	380	149	87	
	85,278	88,663	65	142,951	0.96	46,842	35	2.3	70,443	49	464	179
Sovereign												
0.00 to <0.15	51,007	10,721	67	58,148	0.02	1,185	8	2.8	1,352	2	1	
0.15 to <0.25	58	95	70	125	0.23	62	36	1.3	38	30	-	
0.25 to <0.50	155	73	78	211	0.33	59	35	1.1	76	36	-	
0.50 to <0.75	431	182	32	488	0.55	36	7	0.4	44	9	-	
0.75 to <2.50	34	8	69	40	1.59	33	21	0.9	17	43	-	
2.50 to <10.00	19	2	71	20	6.57	308	13	2.3	10	50	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	51,704	11,081	66	59,032	0.03	1,683	8	2.8	1,537	3	1	-
Banks												
0.00 to <0.15	11,934	63,205	99	74,717	0.06	383	9	0.3	2,202	3	4	
0.15 to <0.25	1,104	3,030	90	3,829	0.17	67	8	0.8	212	6	1	
0.25 to <0.50	119	599	71	545	0.33	25	5	1.0	29	5	-	
0.50 to <0.75	49	167	84	189	0.73	28	13	0.3	33	17	-	
0.75 to <2.50	63	195	98	254	2.41	24	12	0.6	89	35	1	
2.50 to <10.00	427	42	70	457	6.08	207	19	2.1	318	70	5	
10.00 to <100.00	-	1	-	-	17.06	2	25	0.2	-	n/a	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	13,696	67,239	99	79,991	0.27	736	9	-	2,883	4	11	1

For footnotes, see page 19.

CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE (continued) [1]

$ millions	Q4/18											
	a	b	c	d	e	f	g	h	i	j	k	l
PD scale	Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF	Average CCF %	EAD post CRM and post-CCF	Average PD %	Number of obligors [2][6]	Average LGD %	Average maturity [3]	RWA [4]	RWA density %	Expected losses [5]	Provisions [5]
Retail portfolios												
Real estate secured personal lending (insured)												
0.00 to <0.15	76,945	-	n/a	76,945	0.01	405,472	5	n/a	939	1	1	
0.15 to <0.25	-	-	-	-	-	-	-	-	-	-	-	
0.25 to <0.50	-	-	-	-	-	-	-	-	-	-	-	
0.50 to <0.75	-	-	-	-	-	-	-	-	-	-	-	
0.75 to <2.50	-	-	-	-	-	-	-	-	-	-	-	
2.50 to <10.00	-	-	-	-	-	-	-	-	-	-	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	76,945	-	n/a	76,945	0.01	405,472	5	n/a	939	1	1	14
Real estate secured personal lending (uninsured)												
0.00 to <0.15	96,456	47,146	31	111,246	0.07	585,979	22	n/a	4,432	4	16	
0.15 to <0.25	7,464	-	-	7,464	0.19	59,389	25	n/a	750	10	3	
0.25 to <0.50	21,259	5,185	83	25,556	0.32	148,513	23	n/a	3,519	14	19	
0.50 to <0.75	10,661	1,008	32	10,979	0.58	68,545	19	n/a	1,917	17	12	
0.75 to <2.50	7,922	428	34	8,069	1.28	58,241	24	n/a	2,996	37	25	
2.50 to <10.00	2,998	22	40	3,007	6.06	27,586	21	n/a	2,350	78	37	
10.00 to <100.00	510	28	38	521	36.37	5,449	24	n/a	734	141	42	
100.00 (Default)	286	-	-	286	100.00	3,876	27	n/a	338	118	56	
	147,556	53,817	36	167,128	0.60	957,578	22	n/a	17,036	10	210	98
Qualifying revolving retail												
0.00 to <0.15	3,704	44,674	78	38,486	0.05	3,875,829	95	n/a	1,357	4	20	
0.15 to <0.25	1,193	5,736	78	5,661	0.21	1,317,215	89	n/a	580	10	10	
0.25 to <0.50	2,293	5,567	71	6,247	0.36	987,283	89	n/a	1,002	16	20	
0.50 to <0.75	2,852	3,707	60	5,068	0.66	571,347	90	n/a	1,328	26	30	
0.75 to <2.50	6,485	6,948	71	11,430	1.45	1,967,168	91	n/a	5,507	48	151	
2.50 to <10.00	4,903	2,101	71	6,401	4.35	1,011,905	89	n/a	6,499	102	247	
10.00 to <100.00	994	528	70	1,245	29.52	281,319	89	n/a	2,806	225	328	
100.00 (Default)	44	-	-	44	100.00	15,547	85	n/a	76	170	35	
	22,468	69,261	75	74,582	1.27	10,027,613	92	n/a	19,155	26	841	806
Other retail												
0.00 to <0.15	3,324	1,767	75	4,646	0.11	74,650	63	n/a	471	10	2	
0.15 to <0.25	60	13	17	63	0.22	17,097	84	n/a	24	38	-	
0.25 to <0.50	755	589	58	1,097	0.30	42,475	75	n/a	450	41	2	
0.50 to <0.75	950	273	53	1,096	0.61	30,318	70	n/a	673	61	5	
0.75 to <2.50	4,110	774	59	4,569	1.21	124,471	71	n/a	3,810	83	41	
2.50 to <10.00	2,324	158	67	2,431	4.29	149,086	79	n/a	2,275	94	72	
10.00 to <100.00	567	291	61	743	52.40	289,843	76	n/a	526	71	88	
100.00 (Default)	67	1	58	68	100.00	11,993	78	n/a	12	17	63	
	12,157	3,866	66	14,713	4.29	739,933	70	n/a	8,241	56	273	140
Total (all portfolios)	409,804	293,927	70	615,342	0.41	12,179,857	17	n/a	120,234	20	1,801	1,238

For footnotes, see page 20.

CR10: IRB (SPECIALIZED LENDING AND EQUITIES UNDER THE SIMPLE RISK-WEIGHT METHOD) (1)

Q1/19 — Specialized lending — Other than high volatility commercial real estate (HVCRE) (2)

$ millions Regulatory categories	Remaining maturity	On-balance sheet amount	Off-balance sheet amount	RW %	Exposure amount PF	OF	CF	IPRE	Total	RWA	Expected losses
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	404	3	70	-	-	-	407	407	301	2
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	94	-	90	-	-	-	94	94	90	1
Satisfactory		32	-	115	-	-	-	32	32	39	1
Weak		-	-	250	-	-	-	-	-	1	-
Default		1	-	-	-	-	-	1	1	-	1
Total		531	3		-	-	-	534	534	431	5

Q4/18 — Specialized lending — Other than high volatility commercial real estate (HVCRE) (2)

$ millions Regulatory categories	Remaining maturity	On-balance sheet amount	Off-balance sheet amount	RW %	Exposure amount PF	OF	CF	IPRE	Total	RWA	Expected losses
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	495	4	70	-	-	-	499	499	371	2
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	99	-	90	-	-	-	99	99	94	1
Satisfactory		25	-	115	-	-	-	25	25	30	1
Weak		1	-	250	-	-	-	1	1	2	-
Default		1	-	-	-	-	-	1	1	-	-
Total		621	4		-	-	-	625	625	497	4

(1) CIBC has no exposures to high-volatility commercial real estate or to equities under the simple risk-weight approach.
(2) Comprises certain commercial loans that are risk-weighted under the supervisory slotting approach.

CCR1: ANALYSIS OF COUNTERPARTY CREDIT RISK (CCR) EXPOSURE BY APPROACH [1]

$ millions	Q1/19					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	EEPE [2]	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	4,220	12,924		1.4	23,930	6,893
2 Internal Model Method (for derivatives and SFTs)			-	-	-	-
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					13,018	1,832
5 VaR for SFTs					-	-
6 Total						8,725

$ millions	Q4/18					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	EEPE [2]	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 Current Exposure Method and Standardized Approach	8,824	13,180			21,926	4,806
2 Internal Model Method (for derivatives and SFTs)			-	-	-	-
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					12,392	1,940
5 VaR for SFTs					-	-
6 Total						6,746

(1) Excludes RWA relating to CVA charges and exposures and RWA arising from transactions cleared through QCCPs.
(2) Effective Expected Positive Exposure.

CCR2: CVA CAPITAL CHARGE

$ millions	Q1/19		Q4/18	
	a	b	a	b
Total portfolios subject to the Advanced CVA capital charge	EAD post-CRM	RWA [1]	EAD post-CRM	RWA [1]
1 (i) VaR component (including the 3×multiplier)		-		-
2 (ii) Stressed VaR component (including the 3×multiplier)		-		-
3 All portfolios subject to the Standardized CVA capital charge	15,439	5,790	16,026	4,236
4 Total subject to the CVA capital charge	15,439	5,790	16,026	4,236

(1) Prior to Q1/19, RWAs included application of a scaling factor of 80%. Beginning in Q1/19 RWAs are no longer scaled as the phase-in is no longer applicable.

CCR3: STANDARDIZED APPROACH - CCR EXPOSURES BY REGULATORY PORTFOLIO AND RISK-WEIGHTS [1][2]

$ millions	Q1/19								
	a	b	c	d	e	f	g	h	i
	Risk weight								
Regulatory portfolio	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
Sovereigns	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	-	-	-	-	-	-	-	-	-
Multilateral development banks (MDBs)	-	-	-	-	-	-	-	-	-
Banks	-	-	-	-	-	-	-	-	-
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	1	-	13	2	-	366	10	-	392
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
Total	1	-	13	2	-	366	10	-	392

$ millions	Q4/18								
	a	b	c	d	e	f	g	h	i
	Risk weight								
Regulatory portfolio	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
Sovereigns	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	-	-	-	-	-	-	-	-	-
Multilateral development banks (MDBs)	-	-	-	-	-	-	-	-	-
Banks	-	-	23	-	-	-	-	-	23
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	2	-	-	-	-	282	-	-	284
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
Total	2	-	23	-	-	282	-	-	307

(1) Prior to Q1/19, counterparty credit risk for our standardized portfolios was calculated under the current exposure method.
(2) Amounts are calculated after taking into account the effect of credit mitigation strategies.

CCR4: CCR EXPOSURES BY PORTFOLIO AND PD SCALE

$ millions	Q1/19						
	a	b	c	d	e	f	g
PD scale	EAD post-CRM	Average PD %	Number of obligors [(1)]	Average LGD %	Average maturity [(2)]	RWA	RWA density %
Corporate							
0.00 to <0.15	8,674	0.08	941	21	1.6	849	10
0.15 to <0.25	3,171	0.18	666	36	1.3	1,006	32
0.25 to <0.50	1,586	0.33	325	35	2.7	696	44
0.50 to <0.75	2,636	0.62	674	29	1.4	1,233	47
0.75 to < 2.50	2,111	1.82	790	23	0.9	1,229	58
2.50 to <10.00	1,070	6.38	526	13	0.2	570	53
10.00 to <100.00	36	22.52	80	24	0.8	50	139
100.00 (Default)	2	100.00	2	20	-	6	300
	19,286	0.78	4,004	25	1.5	5,639	29
Sovereign							
0.00 to <0.15	5,187	0.02	86	7	3.3	113	2
0.15 to <0.25	11	0.17	3	16	0.3	1	9
0.25 to <0.50	1	0.33	2	35	7.8	-	-
0.50 to <0.75	-	-	-	-	-	-	-
0.75 to < 2.50	-	-	-	-	-	-	-
2.50 to <10.00	23	6.08	3	27	-	19	83
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	5,222	0.05	94	8	3.3	133	3
Banks							
0.00 to <0.15	10,435	0.08	161	40	1.5	1,903	18
0.15 to <0.25	1,281	0.19	54	40	1.4	469	37
0.25 to <0.50	180	0.33	20	41	1.3	88	49
0.50 to <0.75	116	0.65	27	43	0.6	74	64
0.75 to < 2.50	34	1.57	21	41	0.8	31	91
2.50 to <10.00	2	9.48	7	54	0.1	3	150
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	100.00	1	47	-	-	-
	12,048	0.11	291	40	1.5	2,568	21
Total (all portfolios)	36,556	0.46	4,389	28	1.7	8,340	23

(1) Where a guarantee from a third-party exists, the credit rating of both the obligor and the guarantor will be assessed. In situations where an obligor has multiple outstanding exposures, those exposures without a guarantee reflect the PD of the obligor whereas guaranteed exposures will reflect the PD of the third-party. In such situations, the obligor will appear twice in both PD bands.

(2) Denoted in years.

CCR4: CCR EXPOSURES BY PORTFOLIO AND PD SCALE

$ millions

PD scale	a EAD post-CRM	b Average PD %	c Number of obligors [1]	d Average LGD %	e Average maturity [2]	f RWA	g RWA density %
	Q4/18						
Corporate							
0.00 to <0.15	9,282	0.07	1,029	20	1.3	798	9
0.15 to <0.25	2,171	0.18	680	33	1.5	592	27
0.25 to <0.50	1,254	0.33	325	31	4.2	448	36
0.50 to <0.75	1,861	0.62	699	33	0.9	943	51
0.75 to < 2.50	1,688	2.00	830	22	0.6	953	56
2.50 to <10.00	306	7.30	485	27	0.4	329	108
10.00 to <100.00	57	29.41	72	19	0.4	62	109
100.00 (Default)	3	100.00	1	15	0.8	5	167
	16,622	0.61	4,121	24	1.4	4,130	25
Sovereign							
0.00 to <0.15	4,622	0.02	85	6	3.7	82	2
0.15 to <0.25	11	0.16	4	16	-	1	9
0.25 to <0.50	-	-	-	-	-	-	-
0.50 to <0.75	-	-	-	-	-	-	-
0.75 to < 2.50	-	-	-	-	-	-	-
2.50 to <10.00	8	6.08	4	26	-	7	88
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	4,641	0.03	93	6	3.4	90	2
Banks							
0.00 to <0.15	10,797	0.08	163	34	1.6	1,601	15
0.15 to <0.25	1,291	0.18	55	31	2.1	379	29
0.25 to <0.50	421	0.33	23	28	1.1	144	34
0.50 to <0.75	132	0.70	25	32	2.6	59	45
0.75 to < 2.50	105	1.77	24	23	1.1	55	52
2.50 to <10.00	2	9.31	6	12	-	1	50
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	12,748	0.12	296	33	1.6	2,239	18
Total (all portfolios)	34,011	0.35	4,510	25	1.8	6,459	19

For footnotes, see page 26.

CCR5: COMPOSITION OF COLLATERAL FOR CCR EXPOSURE (1)

$ millions	Q1/19					
	a	b	c	d	e	f
	Collateral used in derivative transactions				Collateral used in SFTs	
	Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received	Fair value of posted collateral
	Segregated	Unsegregated	Segregated	Unsegregated		
Cash - domestic currency	-	1,365	-	806	17,553	28,648
Cash - other currencies	-	1,992	-	4,069	27,548	28,206
Domestic sovereign debt	-	338	-	1,322	41,596	37,405
Other sovereign debt	-	278	2,410	1,997	31,232	33,562
Corporate bonds	-	5	-	-	2,050	555
Equity securities	-	1,386	-	-	15,374	28,392
Other collateral	-	2	-	453	131	-
Total	-	5,366	2,410	8,647	135,484	156,768

$ millions	Q4/18					
	a	b	c	d	e	f
	Collateral used in derivative transactions				Collateral used in SFTs	
	Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received	Fair value of posted collateral
	Segregated	Unsegregated	Segregated	Unsegregated		
Cash - domestic currency	-	1,566	-	741	12,519	26,137
Cash - other currencies	-	2,474	-	4,385	21,013	22,805
Domestic sovereign debt	-	808	-	1,059	39,913	32,329
Other sovereign debt	-	387	1,173	4,253	25,701	25,526
Corporate bonds	-	7	-	-	2,139	494
Equity securities	-	1,943	-	-	17,270	30,303
Other collateral	-	388	-	216	40	-
Total	-	7,573	1,173	10,654	118,595	137,594

(1) Includes collateral amounts that do not reduce regulatory exposures. Amounts reflect the fair value of collateral posted and received and are reported after considering any applicable haircut. Application of a haircut has the effect of reducing the fair value of collateral received and increasing the fair value of collateral posted.

CCR6: CREDIT DERIVATIVES EXPOSURES

$ millions	Q1/19		Q4/18	
	a	b	a	b
	Protection bought	Protection sold	Protection bought	Protection sold
Notionals				
Single-name credit default swaps	545	-	567	13
Index credit default swaps	315	171	197	197
Total return swaps	-	-	-	-
Credit options	-	-	-	-
Other credit derivatives	384	59	596	260
Total notionals	1,244	230	1,360	470
Fair values				
Positive fair value (asset)	112	-	115	3
Negative fair value (liability) (1)	11	128	13	131

(1) Prior period amounts have been restated.

CCR8: EXPOSURES TO CENTRAL COUNTERPARTIES

$ millions	Q1/19		Q4/18	
	a	b	a	b
	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA
1 Exposures to QCCPs (total)		387		602
2 Exposures for trades at QCCPs (excluding initial margin and default fund contributions); of which	4,350	123	10,046	270
3 (i) OTC derivatives	517	11	3,509	74
4 (ii) Exchange-traded derivatives	3,173	99	5,797	181
5 (iii) Securities financing transactions	660	13	740	15
6 (iv) Netting sets where cross-product netting has been approved	-	-	-	-
7 Segregated initial margin	2,410		1,173	
8 Non-segregated initial margin	1,432	-	3,257	100
9 Pre-funded default fund contributions	431	264	369	232
10 Unfunded default fund contributions	480	-	689	-
11 Exposures to Non-QCCPs (total)		-		-
12 Exposures for trades at non-QCCPs (excluding initial margin and default fund contributions); of which	-	-	-	-
13 (i) OTC derivatives	-	-	-	-
14 (ii) Exchange-traded derivatives	-	-	-	-
15 (iii) Securities financing transactions	-	-	-	-
16 (iv) Netting sets where cross-product netting has been approved	-	-	-	-
17 Segregated initial margin	-		-	
18 Non-segregated initial margin	-	-	-	-
19 Pre-funded default fund contributions	-	-	-	-
20 Unfunded default fund contributions	-	-	-	-

SEC1: SECURITIZATION EXPOSURES IN THE BANKING BOOK

$ millions	Q1/19								
	a	b	c	e	f	g	i	j	k
	Bank acts as originator [1]			Bank acts as sponsor [2]			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	**507**	**-**	**507**	**6,895**	**-**	**6,895**	**2,577**	**-**	**2,577**
2 residential mortgage	-	-	-	2,336	-	2,336	142	-	142
3 credit card	507	-	507	805	-	805	574	-	574
4 other retail exposures	-	-	-	3,754	-	3,754	1,861	-	1,861
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	**-**	**-**	**-**	**2,664**	**-**	**2,664**	**2,127**	**28**	**2,155**
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	1,928	-	1,928	2,123	-	2,123
10 other wholesale	-	-	-	736	-	736	-	-	-
11 resecuritization	-	-	-	-	-	-	4	28	32

$ millions	Q4/18								
	a	b	c	e	f	g	i	j	k
	Bank acts as originator [1]			Bank acts as sponsor [2]			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	**318**	**-**	**318**	**6,327**	**-**	**6,327**	**2,454**	**-**	**2,454**
2 residential mortgage	-	-	-	2,098	-	2,098	142	-	142
3 credit card	318	-	318	749	-	749	461	-	461
4 other retail exposures	-	-	-	3,480	-	3,480	1,851	-	1,851
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	**-**	**-**	**-**	**3,058**	**-**	**3,058**	**1,796**	**26**	**1,822**
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	2,309	-	2,309	1,790	-	1,790
10 other wholesale	-	-	-	749	-	749	-	-	-
11 resecuritization	-	-	-	-	-	-	6	26	32

(1) Prior to Q1/19, exposures associated with our credit card securitization trust, CARDS II Trust, were risk-weighted under the credit risk framework.
(2) Includes exposures relating to CIBC-sponsored multi-seller conduits.

SEC2: SECURITIZATION EXPOSURES IN THE TRADING BOOK [1]

$ millions	Q1/19								
	a	b	c	e	f	g	i	j	k
	Bank acts as originator [2]			Bank acts as sponsor [3]			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	**-**	**-**	**-**	**9**	**-**	**9**	**294**	**-**	**294**
2 residential mortgage	-	-	-	4	-	4	165	-	165
3 credit card	-	-	-	1	-	1	52	-	52
4 other retail exposures	-	-	-	4	-	4	77	-	77
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	**-**	**-**	**-**	**4**	**-**	**4**	**2**	**-**	**2**
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	1	-	1
9 lease and receivables	-	-	-	3	-	3	1	-	1
10 other wholesale	-	-	-	1	-	1	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

$ millions	Q4/18								
	a	b	c	e	f	g	i	j	k
	Bank acts as originator [2]			Bank acts as sponsor [3]			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	**2**	**-**	**2**	**7**	**-**	**7**	**238**	**-**	**238**
2 residential mortgage	-	-	-	2	-	2	124	-	124
3 credit card	2	-	2	1	-	1	85	-	85
4 other retail exposures	-	-	-	4	-	4	29	-	29
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	**-**	**-**	**-**	**3**	**-**	**3**	**2**	**-**	**2**
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	1	-	1
9 lease and receivables	-	-	-	2	-	2	1	-	1
10 other wholesale	-	-	-	1	-	1	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

(1) Exposures included in this table are risk-weighted under the market risk framework.
(2) Includes direct investments in CARDS II Trust.
(3) Includes direct investments in CIBC-sponsored multi-seller conduits.

SEC3: SECURITIZATION EXPOSURES IN THE BANKING BOOK AND ASSOCIATED REGULATORY CAPITAL REQUIREMENTS - BANK ACTING AS ORIGINATOR OR AS SPONSOR [(1)]

$ millions	Q1/19																
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) [(2)]				Capital charge after cap			
	≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to < 1250% RW	1250% RW	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%
1 Total exposures	**9,748**	**-**	**-**	**318**	**-**	**624**	**9,442**	**-**	**-**	**86**	**1,381**	**-**	**-**	**7**	**110**	**-**	**-**
2 Traditional securitization	**9,748**	**-**	**-**	**318**	**-**	**624**	**9,442**	**-**	**-**	**86**	**1,381**	**-**	**-**	**7**	**110**	**-**	**-**
3 Of which securitization	9,748	-	-	318	-	624	9,442	-	-	86	1,381	-	-	7	110	-	-
4 Of which retail underlying	7,084	-	-	318	-	-	7,402	-	-	-	1,177	-	-	-	94	-	-
5 Of which wholesale	2,664	-	-	-	-	624	2,040	-	-	86	204	-	-	7	16	-	-
6 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

$ millions	Q4/18																
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap			
	≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to < 1250% RW	1250% RW	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%
1 Total exposures	**9,385**	**-**	**-**	**-**	**-**	**8,759**	**625**	**-**	**-**	**650**	**68**	**-**	**-**	**54**	**5**	**-**	**-**
2 Traditional securitization	**9,385**	**-**	**-**	**-**	**-**	**8,759**	**625**	**-**	**-**	**650**	**68**	**-**	**-**	**54**	**5**	**-**	**-**
3 Of which securitization	9,385	-	-	-	-	8,759	625	-	-	650	68	-	-	54	5	-	-
4 Of which retail underlying	6,327	-	-	-	-	6,326	-	-	-	470	-	-	-	39	-	-	-
5 Of which wholesale	3,058	-	-	-	-	2,433	625	-	-	180	68	-	-	15	5	-	-
6 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) Prior to Q1/19, exposures associated with our credit card securitization trust, CARDS II Trust, were risk-weighted under the credit risk framework.
(2) Excludes the impact of the one-year phase in of the initial impact of the adoption of the securitization framework.

SEC4: SECURITIZATION EXPOSURES IN THE BANKING BOOK AND ASSOCIATED REGULATORY CAPITAL REQUIREMENTS - BANK ACTING AS INVESTOR

$ millions	Q1/19																
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) [(1)]				Capital charge after cap			
	≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to < 1250% RW	1250% RW	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%
1 Total exposures	**4,187**	**517**	**-**	**28**	**-**	**1,601**	**3,103**	**28**	**-**	**166**	**471**	**132**	**-**	**14**	**37**	**11**	**-**
2 Traditional securitization	**4,187**	**517**	**-**	**-**	**-**	**1,601**	**3,103**	**-**	**-**	**166**	**471**	**-**	**-**	**14**	**37**	**-**	**-**
3 Of which securitization	4,183	517	-	-	-	1,601	3,099	-	-	166	471	-	-	14	37	-	-
4 Of which retail underlying	2,060	517	-	-	-	1,193	1,384	-	-	119	281	-	-	10	22	-	-
5 Of which wholesale	2,123	-	-	-	-	408	1,715	-	-	47	190	-	-	4	15	-	-
6 Of which resecuritization	4	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	4	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	**-**	**-**	**-**	**28**	**-**	**-**	**-**	**28**	**-**	**-**	**-**	**132**	**-**	**-**	**-**	**11**	**-**
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Of which resecuritization	-	-	-	28	-	-	-	28	-	-	-	132	-	-	-	11	-
14 Of which senior	-	-	-	28	-	-	-	28	-	-	-	132	-	-	-	11	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

$ millions	Q4/18																
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap			
	≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to < 1250% RW	1250% RW	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/ SSFA	1250%
1 Total exposures	**4,250**	**-**	**-**	**26**	**-**	**2,641**	**1,636**	**-**	**-**	**220**	**175**	**-**	**-**	**17**	**13**	**-**	**-**
2 Traditional securitization	**4,250**	**-**	**-**	**-**	**-**	**2,641**	**1,610**	**-**	**-**	**220**	**120**	**-**	**-**	**17**	**9**	**-**	**-**
3 Of which securitization	4,244	-	-	-	-	2,635	1,610	-	-	220	120	-	-	17	9	-	-
4 Of which retail underlying	2,454	-	-	-	-	1,259	1,195	-	-	118	89	-	-	9	7	-	-
5 Of which wholesale	1,790	-	-	-	-	1,376	415	-	-	102	31	-	-	8	2	-	-
6 Of which resecuritization	6	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	6	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	**-**	**-**	**-**	**26**	**-**	**-**	**26**	**-**	**-**	**-**	**55**	**-**	**-**	**-**	**4**	**-**	**-**
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Of which resecuritization	-	-	-	26	-	-	26	-	-	-	55	-	-	-	4	-	-
14 Of which senior	-	-	-	26	-	-	26	-	-	-	55	-	-	-	4	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) Excludes the impact of the one-year phase in of the initial impact of the adoption of the securitization framework.

CREDIT EXPOSURE (EAD [1])

($ millions)	Q1/19		Q4/18		Q3/18		Q2/18		Q1/18	
	AIRB approach [2]	Standardized approach	AIRB approach [2]	Standardized approach	AIRB approach [2]	Standardized approach	AIRB approach [2]	Standardized approach	AIRB approach [2]	Standardized approach
Business and government portfolios										
Corporate										
Drawn	89,773	27,634	85,899	27,018	84,468	25,968	82,777	24,756	78,623	23,150
Undrawn commitments	41,186	5,351	43,180	4,885	42,096	4,816	40,825	4,404	40,340	3,996
Repo-style transactions	101,294	-	91,970	2	96,429	8	90,817	11	91,235	28
Other off-balance sheet	14,382	934	14,496	827	15,099	811	16,531	738	14,072	703
OTC derivatives	12,320	-	9,440	35	9,122	37	9,759	39	9,043	46
	258,955	33,919	244,985	32,767	247,214	31,640	240,709	29,948	233,313	27,923
Sovereign										
Drawn	52,762	13,745	51,703	12,047	54,102	11,660	50,531	11,494	47,049	11,108
Undrawn commitments	6,379	-	6,576	-	6,395	-	6,484	-	6,168	-
Repo-style transactions	22,851	-	16,929	-	17,320	-	14,497	-	15,102	-
Other off-balance sheet	605	-	753	-	534	-	535	-	536	-
OTC derivatives	3,029	1	3,454	-	2,553	-	2,801	-	2,497	-
	85,626	13,746	79,415	12,047	80,904	11,660	74,848	11,494	71,352	11,108
Banks										
Drawn	15,361	1,952	13,697	1,868	13,393	2,000	13,186	1,923	11,446	1,821
Undrawn commitments	1,239	4	1,041	5	1,037	5	980	6	996	6
Repo-style transactions	28,753	-	28,860	-	24,093	-	29,446	-	26,739	-
Other off-balance sheet	65,925	-	65,253	-	67,347	-	66,862	-	63,491	-
OTC derivatives	8,190	391	8,727	286	8,657	278	8,182	242	8,165	222
	119,468	2,347	117,578	2,159	114,527	2,283	118,656	2,171	110,837	2,049
Gross business and government portfolios	464,049	50,012	441,978	46,973	442,645	45,583	434,213	43,613	415,502	41,080
Less: collateral held for repo-style transactions	139,881	-	125,368	-	125,769	-	122,114	-	118,964	-
Net business and government portfolios	324,168	50,012	316,610	46,973	316,876	45,583	312,099	43,613	296,538	41,080
Retail portfolios										
Real estate secured personal lending										
Drawn	223,381	3,775	224,501	3,743	225,107	3,551	225,115	3,423	224,655	3,200
Undrawn commitments	19,188	2	19,572	2	19,962	3	19,978	3	18,900	3
	242,569	3,777	244,073	3,745	245,069	3,554	245,093	3,426	243,555	3,203
Qualifying revolving retail										
Drawn	19,013	-	22,469	-	22,337	-	22,245	-	21,941	-
Undrawn commitments	52,669	-	51,836	-	50,762	-	49,812	-	49,860	-
Other off-balance sheet	251	-	277	-	273	-	311	-	240	-
	71,933	-	74,582	-	73,372	-	72,368	-	72,041	-
Other retail										
Drawn	12,128	1,226	12,158	1,239	11,828	1,144	11,558	1,138	11,047	1,081
Undrawn commitments	2,502	26	2,546	26	2,487	26	2,448	28	2,430	27
Other off-balance sheet	38	-	9	-	29	-	31	-	36	-
	14,668	1,252	14,713	1,265	14,344	1,170	14,037	1,166	13,513	1,108
Total retail portfolios	329,170	5,029	333,368	5,010	332,785	4,724	331,498	4,592	329,109	4,311
Securitization exposures [3]	11,210	3,588	13,661	-	14,054	-	14,436	-	13,884	-
Gross credit exposure	804,429	58,629	789,007	51,983	789,484	50,307	780,147	48,205	758,495	45,391
Less: collateral held for repo-style transactions	139,881	-	125,368	-	125,769	-	122,114	-	118,964	-
Net credit exposure [4]	664,548	58,629	663,639	51,983	663,715	50,307	658,033	48,205	639,531	45,391

(1) Gross credit exposure is net of derivative master netting agreements and CVA but is before allowance for credit losses or credit risk mitigation.
(2) Includes exposures subject to the supervisory slotting approach.
(3) OSFI guidelines define a hierarchy of approaches for treating securitization exposures in our banking book. Depending on the underlying characteristics, exposures are eligible for either the standardized approach or the IRB approach. The ERBA, which is inclusive of IAA, includes exposures that qualify for the IRB approach, as well as exposures under the standardized approach.
(4) Excludes exposures arising from derivative and repo-style transactions which are cleared through qualified central counterparties (QCCPs) as well as credit risk exposures arising from other assets that are subject to the credit risk framework but are not included in the standardized or IRB frameworks, including other balance sheet assets which are risk-weighted at 100%, significant investments in the capital of non-financial institutions which are risk-weighted at 1250%, settlement risk, and amounts below the thresholds for deduction which are risk-weighted at 250%.

CREDIT EXPOSURE - GEOGRAPHIC CONCENTRATION [(1)]

($ millions)	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
Business and government					
Canada					
Drawn	108,579	100,788	95,072	91,465	85,135
Undrawn commitments	36,685	37,989	37,449	37,189	36,469
Repo-style transactions	7,436	7,364	6,582	7,846	8,278
Other off-balance sheet	60,324	57,217	59,687	58,302	54,903
OTC derivatives	11,506	10,484	9,882	9,300	8,118
	224,530	213,842	208,672	204,102	192,903
United States					
Drawn	33,452	35,190	41,594	41,347	38,552
Undrawn commitments	8,424	8,992	8,413	7,639	7,562
Repo-style transactions	3,800	2,961	3,521	3,160	3,138
Other off-balance sheet	12,016	14,570	16,190	16,749	16,962
OTC derivatives	6,189	6,198	5,919	6,325	5,926
	63,881	67,911	75,637	75,220	72,140
Europe					
Drawn	5,540	6,278	6,217	5,325	4,570
Undrawn commitments	2,291	2,272	2,296	2,138	2,198
Repo-style transactions	811	1,014	906	932	1,889
Other off-balance sheet	7,905	8,175	6,580	8,295	5,483
OTC derivatives	3,845	3,516	3,169	3,562	3,449
	20,392	21,255	19,168	20,252	17,589
Other countries					
Drawn	10,325	9,043	9,080	8,357	8,861
Undrawn commitments	1,404	1,544	1,370	1,323	1,275
Repo-style transactions	970	1,052	1,064	708	807
Other off-balance sheet	667	540	523	582	751
OTC derivatives	1,999	1,423	1,362	1,555	2,212
	15,365	13,602	13,399	12,525	13,906
	324,168	316,610	316,876	312,099	296,538

(1) This table provides information on our business and government exposures under the AIRB approach. Substantially all of our retail exposures under the AIRB approach are based in Canada.

CREDIT EXPOSURE - MATURITY PROFILE [1]

($ millions)	Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
Business and government portfolios					
Corporate					
Less than 1 year [2]	**63,818**	64,031	63,506	64,337	61,810
1 - 3 years	**53,414**	53,240	53,430	52,742	52,309
3 - 5 years	**45,181**	41,327	39,054	37,994	34,340
Over 5 years	**2,214**	1,599	1,793	1,723	1,714
	164,627	160,197	157,783	156,796	150,173
Sovereign					
Less than 1 year [2]	**11,804**	14,672	17,429	14,694	15,110
1 - 3 years	**21,009**	17,739	20,028	21,222	20,506
3 - 5 years	**31,012**	29,981	26,314	24,368	21,070
Over 5 years	**1,143**	1,283	1,160	1,349	1,087
	64,968	63,675	64,931	61,633	57,773
Banks					
Less than 1 year [2]	**78,456**	75,868	77,489	77,543	74,797
1 - 3 years	**12,887**	13,518	13,637	12,688	10,992
3 - 5 years	**2,588**	2,800	2,337	2,534	2,229
Over 5 years	**642**	552	699	905	574
	94,573	92,738	94,162	93,670	88,592
Total business and government portfolios	**324,168**	316,610	316,876	312,099	296,538
Retail portfolios					
Real estate and secured personal lending					
Less than 1 year [2]	**82,810**	82,713	82,326	83,307	80,217
1 - 3 years	**103,063**	103,552	102,426	100,985	101,537
3 - 5 years	**53,464**	55,006	57,981	59,151	60,735
Over 5 years	**3,232**	2,802	2,336	1,650	1,066
	242,569	244,073	245,069	245,093	243,555
Qualifying revolving retail					
Less than 1 year [2]	**71,933**	74,582	73,372	72,368	72,041
	71,933	74,582	73,372	72,368	72,041
Other retail					
Less than 1 year [2]	**12,100**	12,403	12,416	12,363	12,116
1 - 3 years	**236**	212	186	183	209
3 - 5 years	**836**	703	552	448	354
Over 5 years	**1,496**	1,395	1,190	1,043	834
	14,668	14,713	14,344	14,037	13,513
Total retail portfolios	**329,170**	333,368	332,785	331,498	329,109
Total credit exposure	**653,338**	649,978	649,661	643,597	625,647

(1) Excludes securitization exposures.
(2) Demand loans are included in the "Less than 1 year" category.

CREDIT RISK ASSOCIATED WITH DERIVATIVES [1]

($ millions)	Q1/19				Q1/19	Q4/18	Q3/18	Q2/18	Q1/18
	Current replacement cost			Credit equivalent amount	Risk-weighted amount				
	Trading	ALM	Total						
Interest rate derivatives									
Over-the-counter									
Forward rate agreements	19	1	20	75	9	2	1	2	1
Swap contracts	1,558	137	1,695	5,877	1,543	539	544	542	563
Purchased options	5	-	5	61	45	8	12	11	16
	1,582	138	1,720	6,013	1,597	549	557	555	580
Exchange-traded	-	-	-	110	2	5	3	3	1
Total interest rate derivatives	1,582	138	1,720	6,123	1,599	554	560	558	581
Foreign exchange derivatives									
Over-the-counter									
Forward contracts	740	4	744	5,304	1,450	1,017	892	976	1,061
Swap contracts	764	11	775	4,234	893	886	928	861	834
Purchased options	91	-	91	778	235	83	68	68	84
	1,595	15	1,610	10,316	2,578	1,986	1,888	1,905	1,979
Credit derivatives									
Over-the-counter									
Credit default swap contracts - protection purchased	-	-	-	11	-	9	10	7	8
Credit default swap contracts - protection sold	-	-	-	1	-	-	-	-	-
	-	-	-	12	-	9	10	7	8
Equity derivatives									
Over-the-counter	150	58	208	3,762	954	535	421	504	498
Exchange-traded	493	-	493	2,088	57	116	119	110	101
	643	58	701	5,850	1,011	651	540	614	599
Precious metal derivatives									
Over-the-counter	43	-	43	339	103	23	19	21	22
Exchange-traded	-	-	-	8	2	1	1	1	1
	43	-	43	347	105	24	20	22	23
Other commodity derivatives									
Over-the-counter	551	108	659	4,005	1,304	1,523	1,306	1,388	1,155
Exchange-traded	20	-	20	967	37	59	58	50	50
	571	108	679	4,972	1,341	1,582	1,364	1,438	1,205
Non-trade exposure related to central counterparties					278	224	208	210	167
CET1 CVA capital charge					5,790	4,236	3,956	4,346	3,798
Total derivatives	4,434	319	4,753	27,620	12,702	9,266	8,546	9,100	8,360

(1) In Q1/19, we adopted SA-CCR for the determination of capital requirements relating to counterparty credit risk, which impacted the calculation of replacement cost, credit equivalent amount and risk-weighted assets. Beginning in Q1/19, replacement cost includes the impact of certain collateral amounts that were previously excluded from this calculation. Also beginning in Q1/19, credit equivalent amount is calculated as the sum of replacement cost and potential future exposure, multiplied by an alpha of 1.4, and is reduced by CVA losses.

AIRB CREDIT RISK EXPOSURE - LOSS EXPERIENCE

	Q1/19		Q4/18		Q3/18		Q2/18		Q1/18	
	Expected loss rate % (1)	Actual loss rate % (1)	Expected loss rate % (1)	Actual loss rate % (1)	Expected loss rate % (1)	Actual loss rate % (1)	Expected loss rate % (1)	Actual loss rate % (1)	Expected loss rate % (1)	Actual loss rate % (1)
Business and government portfolios										
Corporate	0.49	0.16	0.49	0.05	0.50	0.05	0.58	0.05	0.62	0.05
Sovereign	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-
Banks	0.11	-	0.12	-	0.10	-	0.13	-	0.15	-
Retail portfolios										
Real estate secured personal lending	0.10	0.01	0.09	0.01	0.09	0.01	0.09	0.01	0.09	0.01
Qualifying revolving retail	3.72	2.46	3.83	2.80	3.70	2.78	3.77	2.80	4.05	2.81
Other retail	2.41	0.81	2.17	0.80	2.35	0.82	2.40	0.88	2.48	0.94

(1) Actual loss rates for each quarter represent the write-offs less recoveries plus the change in allowance for impaired loans for the previous 12 months, divided by the outstanding balance at the beginning of the previous 12 month period. The expected loss rate represents the loss rate that was predicted by the Basel parameter estimates at the beginning of the period defined above.

Differences between actual and expected loss rates are due to the following reasons:
Expected losses are generally calculated using "through the business cycle" risk parameters while actual losses are determined at a "point in time" and reflect more current economic conditions. “Through the cycle" parameters are estimated to include a long time horizon and as a result, actual losses may exceed expected losses during an economic downturn and may fall below expected losses during times of economic growth.

	Q1/19						Q4/18					
	Average estimated PD %	Actual default rate % (2)	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %	Average estimated PD %	Actual default rate % (2)	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %
Business and government portfolios (3)												
Corporate	2.91	0.33	37.29	32.30	77.54	84.85	2.79	0.35	32.58	28.49	77.91	73.83
Sovereign	1.06	0.06	-	-	93.03	59.59	1.26	0.13	-	-	92.63	59.59
Banks	1.00	-	n/a	n/a	88.05	n/a	0.38	-	n/a	n/a	88.36	n/a
Retail portfolios (4)												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.48	0.40	21.40	8.45	n/a	n/a	0.48	0.40	21.17	7.64	n/a	n/a
Insured residential mortgages	0.58	0.55	n/a	n/a	n/a	n/a	0.57	0.55	n/a	n/a	n/a	n/a
Home equity line of credit	0.21	0.20	42.20	9.23	95.62	93.06	0.21	0.19	46.06	10.45	95.49	91.33
Qualifying revolving retail	1.32	1.12	90.89	85.92	101.69	92.01	1.33	1.10	90.88	87.48	97.99	90.22
Other retail	2.24	1.75	81.57	70.75	105.31	106.26	2.26	1.75	82.51	68.18	104.48	100.46

	Q3/18						Q2/18					
	Average estimated PD %	Actual default rate % (2)	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %	Average estimated PD %	Actual default rate % (2)	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %
Business and government portfolios (3)												
Corporate	2.94	0.47	31.80	29.10	74.49	62.87	2.97	0.46	33.05	27.29	74.80	58.38
Sovereign	0.68	-	97.00	100.00	67.15	n/a	0.66	-	97.00	100.00	68.05	n/a
Banks	1.87	-	n/a	n/a	68.93	n/a	1.47	-	n/a	n/a	66.97	n/a
Retail portfolios (4)												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.49	0.40	21.24	11.35	n/a	n/a	0.61	0.44	20.75	7.78	n/a	n/a
Insured residential mortgages	0.58	0.56	n/a	n/a	n/a	n/a	0.61	0.56	n/a	n/a	n/a	n/a
Home equity line of credit	0.21	0.18	41.94	11.50	93.66	88.19	0.21	0.19	40.52	7.92	94.42	92.18
Qualifying revolving retail	1.33	1.12	91.21	87.60	102.88	95.74	1.32	1.14	91.20	86.99	102.49	93.12
Other retail	2.19	1.76	82.27	75.33	104.66	95.11	2.26	1.80	81.91	75.92	95.40	99.06

(1) There are several key differences between Basel and IFRS 9 which could lead to significantly different estimates for PDs and LGDs. Basel parameters reflect long run historical experience including periods of downturn and adjustments for conservatism, whereas IFRS 9 parameters are point-in-time estimates based on forward-looking information. See the "Accounting and control matters" section in our 2018 Annual Report for additional details.

(2) Reflects average default rate for the trailing twelve month period.

(3) Estimated LGD is based on accounts that default. Estimated EAD is based on all accounts. For actual LGD, payments are discounted to the default date using discount rates based on opportunity cost (the highest interest rate at which we would originate a new loan in the corresponding portfolio). Estimated and actual EAD include only revolving facilities.

(4) Both estimated and actual EAD are based on accounts that default. Actual LGD is based on payments received after default for accounts that defaulted 24 months before the effective month, using a discount rate based on opportunity cost. Estimated and actual EAD include only revolving products (lines of credit, credit cards, and overdraft facilities). Retail information is based upon our internal parameter monitoring system, which covers more than 90% of retail exposures.

n/a Not applicable.

Advanced internal ratings-based (AIRB) approach for credit risk
Internal models based on historical experience of key risk assumptions such as PD, LGD and EAD are used to compute the capital requirements subject to OSFI approval. A transitional capital floor based on the Basel II standardized approach is also calculated by banks under the AIRB approach for credit risk and an adjustment to RWAs may be required as prescribed by OSFI.

Advanced measurement approach (AMA) for operational risk
A risk-sensitive approach to calculating the capital charge for operational risk based on internal risk measurement models, using a combination of quantitative and qualitative risk measurement techniques.

Business and government portfolio
A category of exposures that includes lending to businesses and governments, where the primary basis of adjudication relies on the determination and assignment of an appropriate risk rating, that reflects the credit risk of the exposure.

Central counterparty (CCP)
A clearing house that interposes itself between counterparties to contracts traded in one or more financial markets, becoming the buyer to every seller and the seller to every buyer and thereby ensuring the future performance of open contracts.

Common Equity Tier 1 (CET1), Tier 1 and Total capital ratios
CET1, Tier 1 and total regulatory capital, divided by RWAs, as defined by OSFI's Capital Adequacy Requirements Guideline, which is based on BCBS standards. During 2018, before any capital floor requirement, there were three different levels of RWAs for the calculation of CIBC's CET1, Tier 1 and Total capital ratios. This occurred because of the option CIBC chose in 2014 for the phase-in of the CVA capital charge. Beginning in the first quarter of 2019, the ratios are calculated by reference to the same level of RWAs as the phase-in of the CVA capital charge has been completed.

Corporate exposures
All direct credit risk exposures to corporations, partnerships and proprietorships, and exposures guaranteed by those entities.

Credit risk
The risk of financial loss due to a borrower or counterparty failing to meet its obligations in accordance with contractual terms.

Drawn exposure
The amount of credit risk exposure resulting from loans already advanced to the customer.

Exposure at default (EAD)
An estimate of the amount of exposure to a customer at the event of, and at the time of, default.

Internal models approach (IMA) for market risk
Models, which have been developed by CIBC and approved by OSFI, for the measurement of risk and regulatory capital in the trading portfolio for general market risk, debt specific risk, and equity specific risk.

Internal ratings-based (IRB) approach for securitization exposures
This approach comprises two calculation methods available for securitization exposures that require OSFI approval: Internal Ratings-Based (SEC-IRBA) approach is available to the banks approved to use the IRB approach for underlying exposures securitized and Internal Assessment Approach available for certain securitization exposures extended to ABCP programmes.

Leverage exposure
For the purposes of the leverage ratio, exposure is defined under the rules as on-balance sheet assets (unweighted) less Tier 1 capital regulatory adjustments plus derivative exposures, securities financing transaction exposures with a limited form of netting under certain conditions, and other off-balance sheet exposures (such as commitments, direct credit substitutes, forward asset purchases, standby/trade letters of credit and securitization exposures).

Leverage ratio
Defined as Tier 1 capital divided by Leverage Exposure determined in accordance with guidelines issued by OSFI, which are based on BCBS standards.

Loss given default (LGD)
An estimate of the amount of exposure to a customer that will not be recovered following a default by that customer, expressed as a percentage of the EAD. LGD is generally based on through-the-cycle assumptions for regulatory capital purposes, and generally based on point-in-time assumptions reflecting forward-looking information for IFRS 9 expected credit loss purposes.

Non-viability contingent capital (NVCC)
Effective January 1, 2013, in order to qualify for inclusion in regulatory capital, all non-common Tier 1 and Tier 2 capital instruments must be capable of absorbing losses at the point of non-viability of a financial institution. This will ensure that investors in such instruments bear losses before taxpayers where the government determines that it is in the public interest to rescue a non-viable bank.

Operational risk
The risk of loss resulting from people, inadequate or failed internal processes, and systems or from external events.

Probability of default (PD)
An estimate of the likelihood of default for any particular customer which occurs when that customer is not able to repay its obligations as they become contractually due. PD is generally based on through-the-cycle assumptions for regulatory capital purposes, and generally based on point-in-time assumptions reflecting forward-looking information for IFRS 9 expected credit loss purposes.

Qualifying central counterparty (QCCP)
An entity that is licensed to operate as a CCP and is permitted by the appropriate regulator or oversight body to operate as such with respect to the products offered by that CCP.

Qualifying revolving retail
This exposure class includes credit cards, unsecured lines of credit and overdraft protection products extended to individuals. Under the standardized approach, these exposures would be included under "other retail".

Real estate secured personal lending
This exposure class includes residential mortgages and home equity loans and lines of credit extended to individuals.

Regulatory capital
Basel III regulatory capital, as defined by OSFI's Capital Adequacy Requirements Guideline, is comprised of Common Equity Tier 1 (CET1), Additional Tier 1 (AT1) and Tier 2 capital. CET1 capital includes common shares, retained earnings, AOCI (excluding AOCI relating to cash flow hedges and changes to fair value option liabilities attributable to changes in own credit risk) and qualifying instruments issued by a consolidated banking subsidiary to third parties, less regulatory adjustments for items such as goodwill and other intangible assets, deferred tax assets, net assets related to defined benefit pension plans, and certain investments. AT1 capital primarily includes NVCC preferred shares, qualifying instruments issued by a consolidated subsidiary to third parties, and non-qualifying innovative Tier 1 notes which are subject to phase-out rules for capital instruments. Tier 1 capital is comprised of CET1 plus AT1. Tier 2 capital includes NVCC subordinated indebtedness, non-qualifying subordinated indebtedness subject to phase-out rules for capital instruments, eligible collective allowance under the standardized approach, and qualifying instruments issued by a consolidated subsidiary to third parties. Total capital is comprised of Tier 1 capital plus Tier 2 capital. Under Basel III, qualifying regulatory capital instruments must be capable of absorbing loss at the point of non-viability of the financial institution; non-qualifying capital instruments are excluded from regulatory capital at a rate of 10% per annum commencing January 1, 2013 through to January 1, 2022.

Retail portfolios
A category of exposures that primarily includes consumer, but also small business lending, where the primary basis of adjudication relies on credit scoring models.

Resecuritization
A securitization exposure in which the risk associated with an underlying pool of exposures is tranched and at least one of the underlying exposures is a securitization exposure.

Risk-weighted assets (RWA)
RWAs consist of three components: (i) RWAs for credit risk are calculated using the AIRB and standardized approaches. The AIRB RWAs are calculated using PDs, LGDs, EADs, and in some cases maturity adjustment, while the standardized approach applies risk weighting factors specified in the OSFI guidelines to on- and off- balance sheet exposures; (ii) RWAs for market risk in the trading portfolio are based on the internal models approved by OSFI with the exception of the RWAs for traded securitization assets where we are using the methodology defined by OSFI; and (iii) RWAs for operational risk relating to the risk of losses resulting from people, inadequate or failed internal processes, and systems or from external events are calculated under the AMA and standardized approaches. During the period beginning in the third quarter of 2014 to the fourth quarter of 2018, CET1 capital RWA, Tier 1 capital RWA, and total capital RWA, will differ due to the phase in of the CVA capital charge. Since the introduction of Basel II in 2008, OSFI has prescribed a capital floor requirement for institutions that use the AIRB approach for credit risk. The capital floor is determined by comparing a capital requirement calculated by reference to the Basel II standardized approach against the Basel III calculation, as specified by OSFI. Any shortfall in the Basel III capital requirement is added to RWAs.

Securitization
The process of selling assets (normally financial assets such as loans, leases, trade receivables, credit card receivables or mortgages) to trusts or other structured entities (SEs). A SE normally issues securities or other forms of interests to investors and/or the asset transferor, and the SE uses the proceeds of the issue of securities or other forms of interest to purchase the transferred assets. The SE will generally use the cash flows generated by the assets to meet the obligations under the securities or other interests issued by the SE, which may carry a number of different risk profiles.

Sovereign exposures
All direct credit risk exposures to governments, central banks and certain public sector entities, and exposures guaranteed by those entities.

Standardized approach for credit risk
Applied to exposures when there is not sufficient information to allow for the use of the AIRB approach for credit risk. Credit risk capital requirements are calculated based on a standardized set of risk weights as prescribed in the Basel Accord. The standardized risk weights are based on external credit assessments, where available, and other risk related factors, including export credit agencies, exposure asset class, collateral, etc.

Standardized approach for operational risk
Capital is based on prescribed percentages that vary by business activity and is applied to the three-year average gross income.

Standardized approach for securitization exposures
This approach comprises the calculation methods available for securitization exposures that do not require OSFI approval: Securitization External Ratings-Based (SEC-ERBA) and Securitization Standardized Approach (SEC-SA).

Total loss absorbing capacity (TLAC)
Is defined as the sum of Total Capital and bail-in-eligible liabilities that have residual maturity greater than or equal to one year. Bail-in eligible liabilities include long-term (original maturity over 400 days), unsecured senior debt that is tradable and transferrable, and any preferred shares and subordinated debt that are not NVCC. Deposits, secured liabilities (for example, covered bonds), eligible financial contracts (for example derivatives) and most structured notes are excluded from the bail-in power.