



# Pillar 3 Report and Supplementary Regulatory Capital Disclosure

For the period ended October 31, 2021

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This document is unaudited and should be read in conjunction with our quarterly news release for Q4/21, and our 2021 Annual Report (including audited consolidated financial statements and accompanying management's discussion and analysis), which is available on SEDAR at www.sedar.com. Additional financial information is also available through our quarterly investor presentations as well as the quarterly conference call webcast. CIBC prepares its consolidated financial statements in accordance with International Financial Reporting Standards (IFRS or GAAP). For Basel-related terms used in this package, refer to the Glossary.

The composition of the measures in this document and the disclosures, including the format of the templates herein, are calculated and disclosed pursuant to guidelines issued by the Office of the Superintendent of Financial Institutions (OSFI), including the Capital Adequacy Requirements (CAR) guideline, Total Loss Absorbing Capacity (TLAC) guideline, the Leverage Requirements guideline and the Pillar 3 Disclosure Requirements guideline.

All amounts in this document are in millions of Canadian dollars, unless otherwise stated.

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# PILLAR 3 REPORT

## 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 2021 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 CAR Guideline issued by OSFI is inclusive of requirements relating to counterparty credit risk, and 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 65 to 70 of this document and disclosures in our 2021 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 64 of this document provides a disaggregation of these amounts.

Topic	Identifier	Table and templates	Pillar 3 Report	2021 Annual Report	Supplementary Financial Information
			Page references		
Overview of risk management, key prudential metrics and RWA	KM2	Key metrics - TLAC requirements (at resolution group level)	3	32, 43-49, 53-55, 57, 63, 66, 70, 72, 79-82	
	OVA	Bank risk management approach			
	OV1	Overview of RWA	4		
Linkages between financial statements and regulatory exposures	LI1	Differences between accounting and regulatory scopes of consolidation and mapping of financial statement categories with regulatory risk categories	6	136	
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	CCA	Main features of regulatory capital instruments and of other TLAC-eligible instruments <sup>(1)</sup>			
	TLAC1	TLAC composition (at resolution group level)	13		
	TLAC2	Material subgroup entity - creditor ranking at legal entity level	n/a <sup>(2)</sup>		
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Credit risk	CRA	General information about credit risk		54	23-34
	CR1	Credit quality of assets	17	55, 64, 78, 85, 125, 152 55, 65, 162	
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	CRB	Additional disclosure related to the credit quality of assets	17		
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	CR3	CRM techniques – overview	20		
	CRD	Qualitative disclosures on banks' use of external credit ratings under the SA for credit risk			
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	CRE	Qualitative disclosures related to IRB models			
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CR9	IRB – Backtesting of PD per portfolio <sup>(3)</sup>	37			
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Topic	Identifier	Table and templates	Pillar 3 Report	2021 Annual Report	Supplementary Financial Information
			Page references		
Counterparty credit risk	CCRA	Qualitative disclosure related to counterparty credit risk		55, 59, 77, 160, 162	
	CCR1	Analysis of counterparty credit risk exposure by approach	41		
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Securitization <sup>(5)</sup>	SECA	Qualitative disclosure requirements related to securitization exposures		41, 65, 122, 126	
	SEC1	Securitization exposures in the banking book	55		
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	SEC3	Securitization exposures in the banking book and associated regulatory capital requirements – bank acting as originator or as sponsor	59		
	SEC4	Securitization exposures in the banking book and associated regulatory capital requirements – bank acting as investor	62		
Market risk		n/a <sup>(6)</sup>			

(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 PD and loss given default (LGD). 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 2021 Annual Report for additional details.

(4) As at October 31, 2021, the use of credit derivatives reduced RWA relating to corporate exposures under the AIRB approach by \$20 million, which is not significant.

(5) 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.

(6) We have elected to apply the exception permitted in the "Pillar 3 Disclosure Requirements" guideline issued by 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.

n/a Not applicable.

## KM2: KEY METRICS - TLAC REQUIREMENTS (AT RESOLUTION GROUP LEVEL) <sup>(1)</sup>

(\$ millions)

	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
	a	b	c	d	e
1 TLAC available <sup>(2)</sup>	<b>76,701</b>	73,300	65,502	62,731	60,612
1a TLAC available with transitional arrangements for expected credit loss (ECL) provisioning not applied	<b>76,701</b>	73,300	65,502	62,731	60,612
2 Total RWA at the level of the resolution group	<b>272,814</b>	268,999	257,997	256,119	254,871
3 TLAC ratio: TLAC as a percentage of RWA (row 1 / row 2) (%) <sup>(2)</sup>	<b>28.1%</b>	27.2%	25.4%	24.5%	23.8%
3a TLAC ratio: TLAC as a percentage of RWA (row 1a / row 2) (%) available with transitional arrangements for ECL provisioning not applied	<b>28.1%</b>	27.2%	25.4%	24.5%	23.8%
4 Leverage ratio exposure measure at the level of the resolution group	<b>823,343</b>	795,642	767,391	756,688	741,760
5 TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure (row 1 / row 4) (%) <sup>(2)</sup>	<b>9.3%</b>	9.2%	8.5%	8.3%	8.2%
5a TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure with transitional arrangements for ECL provisioning not applied (row 1a / row 4) (%)	<b>9.3%</b>	9.2%	8.5%	8.3%	8.2%
6a Does the subordination exemption in the antepenultimate paragraph of Section 11 of the Financial Stability Board (FSB) TLAC Term Sheet apply?	<b>Yes</b>	Yes	Yes	Yes	Yes
6b Does the subordination exemption in the penultimate paragraph of Section 11 of the FSB TLAC Term Sheet apply?	<b>No</b>	No	No	No	No
6c If the capped subordination exemption applies, the amount of funding issued that ranks pari passu with Excluded Liabilities and that is recognized as external TLAC, divided by funding issued that ranks pari passu with Excluded Liabilities and that would be recognized as external TLAC if no cap was applied (%)	<b>n/a</b>	n/a	n/a	n/a	n/a

(1) Under the Canadian bail-in regime, including OSFI's TLAC Guideline, CIBC is required to meet target TLAC requirements beginning in Q1/22. As a domestic systemically important bank (D-SIB), CIBC will be subject to a target risk-based TLAC Ratio (which comprises a minimum risk-based TLAC ratio of 21.5% plus the then-applicable Domestic Stability Buffer (DSB)) and a minimum TLAC Leverage Ratio of 6.75%.

(2) Lines 1, 3 and 5 incorporate ECL transitional relief provided by OSFI as announced on March 27, 2020. The transitional arrangement results in a portion of ECL allowances that would otherwise be included in Tier 2 capital qualifying for inclusion in CET1 capital subject to certain adjustments and limitations until fiscal 2022.

n/a Not applicable.

## OV1: OVERVIEW OF RWA <sup>(1)</sup>

(\$ millions)	Q4/21		Q3/21	Q2/21	Q1/21	Q4/20
	a	b	c	d	e	f
	Minimum capital requirements		RWA <sup>(2)</sup>			
	RWA <sup>(2)</sup>					
1 Credit risk (excluding counterparty credit risk)	206,538	16,523	200,932	195,110	193,242	193,394
2 Of which: SA <sup>(3)</sup>	56,524	4,522	54,980	53,194	54,512	55,652
Of which: supervisory slotting approach	569	46	411	407	317	291
3 Of which: AIRB approach	149,445	11,955	145,541	141,509	138,413	137,451
4 Counterparty credit risk <sup>(4)</sup>	18,049	1,444	18,497	16,625	17,120	17,120
Of which: CVA capital charge	7,174	574	7,792	6,898	7,181	7,202
Of which: exposures to central counterparties	625	50	588	524	491	410
Of which: comprehensive approach for credit risk mitigation (for securities financing transactions (SFTs))	3,501	280	3,193	3,104	3,004	2,619
5 Of which: standardized approach for counterparty credit risk (SA-CCR)	347	28	415	347	208	335
6 Of which: IMM	6,402	512	6,509	5,752	6,236	6,554
7 Equity positions in banking book under market-based approach	-	-	-	-	-	-
8 Equity investments in funds - look-through approach <sup>(5)</sup>	570	46	516	475	499	437
9 Equity investments in funds - mandate-based approach <sup>(5)</sup>	28	2	43	31	12	12
10 Equity investments in funds - fall-back approach <sup>(5)</sup>	-	-	-	-	-	-
11 Settlement risk	-	-	-	-	-	28
12 Securitization exposures in banking book	2,014	161	1,978	2,276	2,383	2,735
12a Of which: subject to the transitional arrangement	-	-	-	-	-	-
13 Of which: internal ratings-based approach (IRBA)	132	11	50	216	168	597
14 Of which: external ratings-based approach (ERBA), including internal assessment approach (IAA)	1,750	139	1,740	1,961	1,917	1,848
15 Of which: SA <sup>(6)</sup>	132	11	188	99	298	290
16 Market risk	9,106	728	10,939	7,937	7,331	5,858
17 Of which: SA	135	11	161	14	18	24
18 Of which: IMM	8,971	717	10,778	7,923	7,313	5,834
19 Operational risk	31,397	2,512	31,083	30,768	30,495	30,319
20 Of which: Basic Indicator Approach	-	-	-	-	-	-
21 Of which: SA	31,397	2,512	31,083	30,768	30,495	30,319
22 Of which: Advanced Measurement Approach	-	-	-	-	-	-
23 Amounts below the thresholds for deduction (subject to 250% risk-weight)	5,112	409	5,011	4,775	5,037	4,968
24 Floor adjustment	-	-	-	-	-	-
25 Total (1+4+7+8+9+10+11+12+16+19+23+24)	272,814	21,825	268,999	257,997	256,119	254,871

(1) For changes in RWA, refer to table "Changes in RWA".

(2) Amounts are inclusive of a 6% scaling factor adjustment that applies to IRB exposures, except for exposures related to asset securitization.

(3) Includes RWA of \$7,176 million (Q3/21: \$6,903 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 RWA of \$654 million (Q3/21: \$612 million) relating to non-trading equity investments.

(4) Comprises derivative and repo-style transactions.

(5) Equity investments in funds are only included in table OV1.

(6) Includes securitization exposures that are risk-weighted at 1250%.

## CHANGES IN RWA

(\$ millions)	Q4/21 vs. Q3/21			Q3/21 vs. Q2/21	Q2/21 vs. Q1/21	Q1/21 vs. Q4/20
		<b>CR8</b>				
		<b>Of which determined under an IRB approach</b>	<b>Of which all other <sup>(1)</sup></b>			
<b>Credit risk</b>						
1 Balance at beginning of period	208,480	145,541	62,939	202,667	201,173	201,574
2 Asset size <sup>(2)</sup>	7,725	4,884	2,841	8,784	6,058	3,368
3 Asset quality <sup>(3)</sup>	(1,063)	(1,063)	-	(4,027)	(1,315)	(153)
4 Model updates <sup>(4)</sup>	490	490	-	-	1,115	(258)
5 Methodology and policy <sup>(5)</sup>	(659)	-	(659)	(414)	(877)	-
6 Acquisitions and disposals	-	-	-	-	-	-
7 Foreign exchange movements	(812)	(407)	(405)	1,234	(3,224)	(3,257)
8 Other	101	-	101	236	(263)	(101)
9 Balance at end of period	214,262	149,445	64,817	208,480	202,667	201,173
		<b>CCR7</b>				
		<b>Of which determined under an IMM approach</b>	<b>Of which all other <sup>(6)</sup></b>			
<b>Counterparty credit risk</b>						
1 Balance at beginning of period	18,497	6,509	11,988	16,625	17,120	17,120
2 Asset size <sup>(2)</sup>	(166)	74	(240)	2,060	175	688
3 Credit quality of counterparties <sup>(3)</sup>	(139)	(128)	(11)	(203)	81	(126)
4 Model updates <sup>(4)</sup>	-	-	-	(191)	(236)	(75)
5 Methodology and policy <sup>(5)</sup>	-	-	-	-	-	-
6 Acquisitions and disposals	-	-	-	-	-	-
7 Foreign exchange movements	(143)	(53)	(90)	206	(515)	(487)
8 Other	-	-	-	-	-	-
9 Balance at end of period	18,049	6,402	11,647	18,497	16,625	17,120
<b>Market risk</b>						
1 Balance at beginning of period	10,939			7,937	7,331	5,858
2 Movement in risk levels <sup>(7)</sup>	(356)			663	(807)	1,461
3 Model updates <sup>(4)</sup>	(228)			(58)	1,318	(13)
4 Methodology and policy <sup>(5)</sup>	(1,374)			2,505	-	-
5 Acquisitions and disposals	-			-	-	-
6 Foreign exchange movements	125			(108)	95	25
7 Other	-			-	-	-
8 Balance at end of period	9,106			10,939	7,937	7,331
<b>Operational risk</b>						
Balance at beginning of period	31,083			30,768	30,495	30,319
Movement in risk levels <sup>(8)</sup>	314			315	273	176
Methodology and policy <sup>(5)</sup>	-			-	-	-
Acquisitions and disposals	-			-	-	-
Balance at end of period	31,397			31,083	30,768	30,495

- (1) Includes credit risk under the standardized and supervisory slotting approaches, equity investments in 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%.
- (2) Relates to net increase/decrease in the underlying exposures and related impacts, including tenor and CVA.
- (3) Relates to changes in credit risk mitigation and credit quality of the borrower/counterparty.
- (4) Relates to internal model or parameter changes.
- (5) Relates to regulatory changes implemented on an industry-wide basis and any capital methodology changes implemented within CIBC for our portfolios.
- (6) Includes counterparty credit risk under SA-CCR for over-the-counter (OTC) derivatives not eligible for IMM, as well as the comprehensive approach for credit risk mitigation for SFTs, exposure to central counterparties, and the CVA capital charge.
- (7) Relates to changes in open positions and market volatility.
- (8) Relates to changes in revenue.

# L1: DIFFERENCES BETWEEN ACCOUNTING AND REGULATORY SCOPES OF CONSOLIDATION AND MAPPING OF FINANCIAL STATEMENT CATEGORIES WITH REGULATORY RISK CATEGORIES

	Q4/21						
	a	b	c	d	e		g
	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation <sup>(2)</sup>	Subject to credit risk framework	Subject to counterparty credit risk framework	Carrying values of items: <sup>(1)</sup>		Not subject to capital requirements or subject to deduction from capital
					Subject to the securitization framework <sup>(3)</sup>	Subject to the market risk framework	
<b>ASSETS</b>							
<b>Cash and non-interest-bearing deposits with banks</b>	34,573	34,573	34,573	-	-	-	-
<b>Interest-bearing deposits with banks</b>	22,424	22,421	22,405	-	-	19	-
<b>Securities</b>	161,401	161,190 <sup>(4)</sup>	104,403	1,308	759	56,028	-
<b>Cash collateral on securities borrowed</b>	12,368	12,368	-	12,368	-	-	-
<b>Securities purchased under resale agreements</b>	67,572	67,572	-	67,572	-	-	-
<b>Loans</b>	451,921	451,921 <sup>(5)</sup>	447,182	793	2,217	24,780	1,729
<b>Other</b>							
Derivative instruments	35,912	35,912 <sup>(6)</sup>	-	35,912	-	34,589	-
Customers' liability under acceptances	10,958	10,958	10,958	-	-	-	-
Property and equipment	3,286	3,286	3,286	-	-	-	-
Goodwill	4,954	4,954	-	-	-	-	4,954
Software and other intangible assets	2,029	2,029	-	-	-	-	2,029
Investments in equity-accounted associates and joint ventures	658	1,012	976	-	-	-	36
Deferred tax assets	402	402	1,121	-	-	-	(719) <sup>(7)</sup>
Other assets	29,225	29,134	12,809	11,974	2	2,977	1,372
<b>Total assets</b>	<b>87,424</b>	<b>87,687</b>	<b>29,150</b>	<b>47,886</b>	<b>2</b>	<b>37,566</b>	<b>7,672</b>
<b>LIABILITIES</b>	<b>837,683</b>	<b>837,732</b>	<b>637,713</b>	<b>129,927</b>	<b>2,978</b>	<b>118,393</b>	<b>9,401</b>
<b>Deposits</b>							
Personal	213,932	213,932	-	-	-	-	213,932
Business and government	344,388	344,388	-	-	-	609	343,779
Bank	20,246	20,246	-	-	-	-	20,246
Secured borrowings	42,592	42,592	-	-	-	-	42,592
	<b>621,158</b>	<b>621,158</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>609</b>	<b>620,549</b>
<b>Obligations related to securities sold short</b>	<b>22,790</b>	<b>22,790</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19,472</b>	<b>3,318</b>
<b>Cash collateral on securities lent</b>	<b>2,463</b>	<b>2,463</b>	<b>-</b>	<b>2,463</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Obligations related to securities sold under repurchase agreements</b>	<b>71,880</b>	<b>71,880</b>	<b>-</b>	<b>71,880</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Other</b>							
Derivative instruments	32,101	32,101 <sup>(6)</sup>	-	32,101	-	30,882	-
Acceptances	10,961	10,961	-	-	-	-	10,961
Deferred tax liability	38	38	-	-	-	-	38
Other liabilities	24,923	24,972	-	-	-	2,705	22,267
	<b>68,023</b>	<b>68,072</b>	<b>-</b>	<b>32,101</b>	<b>-</b>	<b>33,587</b>	<b>33,266</b>
<b>Subordinated indebtedness</b>	<b>5,539</b>	<b>5,539</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,539</b>
<b>Total liabilities</b>	<b>791,853</b>	<b>791,902</b>	<b>-</b>	<b>106,444</b>	<b>-</b>	<b>53,668</b>	<b>662,672</b>

(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 Cayman Reinsurance Limited (CIBC Cayman Re), CIBC Life Insurance Company Limited (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)

	Q4/21				
	a	b	c	d	e
	Items subject to:				
	Total <sup>(1)</sup>	Credit risk framework <sup>(2)</sup>	Securitization framework	Counterparty credit risk framework	Market risk framework
1 Asset carrying value amount under scope of regulatory consolidation (as per template LI1)	828,331	637,713	2,978	129,927	118,393
2 Liabilities carrying value amount under regulatory scope of consolidation (as per template LI1)	129,230	-	-	106,444	53,668
3 Total net amount under regulatory scope of consolidation	699,101	637,713	2,978	23,483	64,725
4 Off-balance sheet amounts <sup>(3)</sup>	367,141	254,714	12,401	100,026	-
5 Differences in valuations	718	718 <sup>(4)</sup>	-	-	-
6 Differences due to different netting rules, other than those already included in row 3	11,577	-	-	11,577	-
7 Differences due to consideration of provisions <sup>(5)</sup>	2,604	2,604	-	-	-
8 Differences due to prudential filters	-	-	-	-	-
9 Gross-up for securities financing transactions <sup>(6)</sup>	148,686	-	-	148,686	-
10 Differences due to inclusion of potential future exposure and alpha multiplier in derivative EAD	10,847	-	-	10,847	-
11 Collateral <sup>(7)</sup>	(237,201)	-	-	(237,201)	-
12 Other	-	-	-	-	-
13 Exposure amounts considered for regulatory purposes	1,003,473	895,749	15,379	57,418	64,725

(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 \$583 million (Q3/21: \$540 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) 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 SA are netted against the exposures.

(6) Liabilities for repo-style transactions 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.

(7) Primarily comprises collateral for repo-style transactions, including those settled through qualified central counterparties (QCCPs).

## CC1: COMPOSITION OF REGULATORY CAPITAL

(\$ millions)

		Q4/21	Q3/21	Q2/21	Q1/21
<b>Row</b>					
					<b>Cross-reference <sup>(1)</sup></b>
<b>Common Equity Tier 1 (CET1) capital: instruments and reserves</b>					
1	Directly issued qualifying common share capital plus related stock surplus	14,461	14,368	14,249	14,110
2	Retained earnings	25,793	25,055	24,003	23,060
3	Accumulated other comprehensive income (AOCI) (and other reserves)	1,069	1,109	683	1,007
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
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	116	114	112	124
6	<b>CET1 capital before regulatory adjustments</b>	<b>41,439</b>	<b>40,646</b>	<b>39,047</b>	<b>38,301</b>
	<b>CET1 capital: regulatory adjustments</b>				
7	Prudential valuation adjustments	18	22	23	21
8	Goodwill (net of related tax liabilities)	4,877	4,909	4,851	5,008
9	Other intangibles other than mortgage-servicing rights (net of related tax liabilities)	1,737	1,684	1,677	1,654
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liabilities)	7	8	10	11
11	Cash flow hedge reserve	137	292	242	250
12	Shortfall of provisions to expected losses <sup>(3)</sup>	-	-	-	-
13	Securitization gain on sale	-	-	-	-
14	Gains and losses due to changes in own credit risk on fair valued liabilities	44	24	24	(14)
15	Defined benefit pension fund net assets (net of related tax liabilities)	1,051	892	686	403
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	26	3	20	18
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)	-	-	-	-
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	-	-	-	-
24	of which: mortgage servicing rights	-	-	-	-
25	of which: deferred tax assets arising from temporary differences	-	-	-	-
26	Other deductions or regulatory adjustments to CET1 as determined by OSFI <sup>(4)</sup>	(209)	(283)	(401)	(488)
27	Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 (AT1) and Tier 2 (T2) to cover deductions	-	-	-	-
28	<b>Total regulatory adjustments to CET1</b>	<b>7,688</b>	<b>7,551</b>	<b>7,132</b>	<b>6,863</b>
29	<b>CET1 capital</b>	<b>33,751</b>	<b>33,095</b>	<b>31,915</b>	<b>31,438</b>
29a	<b>CET1 capital with transitional arrangements for ECL provisioning not applied</b>	<b>33,542</b>	<b>32,812</b>	<b>31,514</b>	<b>30,950</b>
	<b>AT1 capital: instruments</b>				
30	Directly issued qualifying AT1 instruments plus related stock surplus <sup>(5)</sup>	4,325	3,575	3,575	3,575
31	of which: classified as equity under applicable accounting standards	4,325	3,575	3,575	3,575
32	of which: classified as liabilities under applicable accounting standards	-	-	-	-
33	Directly issued capital instruments subject to phase out from AT1	251	251	251	302
34	AT1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group AT1)	17	19	18	20
35	of which: instruments issued by subsidiaries subject to phase out	-	-	-	-
36	<b>AT1 capital before regulatory adjustments</b>	<b>4,593</b>	<b>3,845</b>	<b>3,844</b>	<b>3,846</b>
	<b>AT1 capital: regulatory adjustments</b>				
37	Investments in own AT1 instruments	-	-	-	-
38	Reciprocal cross holdings in AT1 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 (T1) capital as determined by OSFI	-	-	-	-
41a	of which: reverse mortgages	-	-	-	-
42	Regulatory adjustments applied to AT1 due to insufficient T2 to cover deductions	-	-	-	-
43	<b>Total regulatory adjustments to AT1 capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
44	<b>AT1 capital</b>	<b>4,593</b>	<b>3,845</b>	<b>3,844</b>	<b>3,846</b>
45	<b>T1 capital (T1 = CET1 + AT1)</b>	<b>38,344</b>	<b>36,940</b>	<b>35,759</b>	<b>35,284</b>
45a	<b>T1 capital with transitional arrangements for ECL provisioning not applied</b>	<b>38,135</b>	<b>36,657</b>	<b>35,358</b>	<b>34,796</b>
	<b>T2 capital: instruments and provisions</b>				
46	Directly issued qualifying T2 instruments plus related stock surplus <sup>(7)</sup>	4,945	5,036	5,051	4,059
47	Directly issued capital instruments subject to phase out from T2	451	451	451	628
48	T2 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)	22	26	25	28
49	of which: instruments issued by subsidiaries subject to phase out	-	-	-	-
50	General allowances	440	449	540	533
51	<b>T2 capital before regulatory adjustments</b>	<b>5,858</b>	<b>5,962</b>	<b>6,067</b>	<b>5,071</b>

For footnotes, see next page.

## CC1: COMPOSITION OF REGULATORY CAPITAL (continued)

(\$ millions)

Row	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
	<b>Cross-reference <sup>(1)</sup></b>				
52	-	-	-	-	-
53	-	-	-	-	-
54	-	-	-	-	-
54a	-	-	-	-	-
55	-	-	-	-	-
56	-	-	-	-	-
57	-	-	-	-	-
58	<b>5,858</b>	<b>5,962</b>	<b>6,067</b>	<b>5,071</b>	<b>6,194</b>
59	<b>44,202</b>	<b>42,902</b>	<b>41,826</b>	<b>40,355</b>	<b>40,969</b>
59a	<b>44,202</b>	<b>42,902</b>	<b>41,826</b>	<b>40,355</b>	<b>40,969</b>
60	<b>272,814</b>	<b>268,999</b>	<b>257,997</b>	<b>256,119</b>	<b>254,871</b>
<b>Capital ratios</b>					
61	<b>12.4%</b>	<b>12.3%</b>	<b>12.4%</b>	<b>12.3%</b>	<b>12.1%</b>
61a	<b>12.3%</b>	<b>12.2%</b>	<b>12.2%</b>	<b>12.1%</b>	<b>11.9%</b>
62	<b>14.1%</b>	<b>13.7%</b>	<b>13.9%</b>	<b>13.8%</b>	<b>13.6%</b>
62a	<b>14.0%</b>	<b>13.6%</b>	<b>13.7%</b>	<b>13.6%</b>	<b>13.4%</b>
63	<b>16.2%</b>	<b>16.0%</b>	<b>16.2%</b>	<b>15.8%</b>	<b>16.1%</b>
63a	<b>16.2%</b>	<b>16.0%</b>	<b>16.2%</b>	<b>15.8%</b>	<b>16.1%</b>
64	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>
65	<b>2.5%</b>	<b>2.5%</b>	<b>2.5%</b>	<b>2.5%</b>	<b>2.5%</b>
66	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
67	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
67a	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>1.0%</b>
68	<b>12.4%</b>	<b>12.3%</b>	<b>12.4%</b>	<b>12.3%</b>	<b>12.1%</b>
<b>OSFI target (minimum + capital conservation buffer + D-SIB buffer (if applicable)) <sup>(8)</sup></b>					
69	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>	<b>8.0%</b>
70	<b>9.5%</b>	<b>9.5%</b>	<b>9.5%</b>	<b>9.5%</b>	<b>9.5%</b>
71	<b>11.5%</b>	<b>11.5%</b>	<b>11.5%</b>	<b>11.5%</b>	<b>11.5%</b>
<b>Amounts below the thresholds for deduction (before risk-weighting)</b>					
72	<b>412</b>	AG+AI+AJ+ see footnote 9	565	407	325
73	<b>924</b>	AD+AE+AF	926	908	1,026
74	-	-	-	-	-
75	<b>1,121</b>	AC	1,078	1,002	989
<b>Applicable caps on the inclusion of allowances in T2</b>					
76	<b>440</b>	AA	449	479	533
77	<b>683</b>	-	671	645	676
78	-	AB	-	61	-
79	<b>1,066</b>	-	1,040	1,006	985
<b>Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)</b>					
80	n/a	-	n/a	n/a	n/a
81	n/a	-	n/a	n/a	n/a
82	<b>251</b>	V+see footnote 6	251	251	251
83	<b>46</b>	AH+see footnote 6	49	50	51
84	<b>451</b>	-	451	451	451
85	<b>110</b>	-	133	119	150

(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.

(4) Includes the impact of the ECL transitional arrangement announced by OSFI on March 27, 2020. The transitional arrangement results in a portion of ECL allowances that would otherwise be included in Tier 2 capital qualifying for inclusion in CET1 capital subject to certain adjustments and limitations until fiscal 2022.

(5) Comprises non-viability contingent capital (NVCC) preferred shares and limited recourse capital notes (LRCN).

(6) Comprises CIBC Tier 1 Notes - Series B due June 30, 2108. On November 1, 2021, CIBC Capital Trust redeemed all \$300 million of its Tier 1 Notes - Series B.

(7) Comprises certain debentures which qualify as NVCC.

(8) Excludes the 2.5% (Q3/21, Q2/21, Q1/21 and Q4/20) DSB 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)

	Q4/21				Cross reference to capital schedule <sup>(2)</sup>
	Balance sheet as in report to shareholders	Insurance entities adjustment <sup>(1)</sup> Deconsolidation	Equity accounting	Balance sheet as in the regulatory scope of consolidation	
<b>Assets</b>					
<b>Cash and non-interest-bearing deposits with banks</b>	34,573	-	-	34,573	
<b>Interest-bearing deposits with banks</b>	22,424	(3)	-	22,421	
<b>Securities</b>	161,401	(211)	-	161,190	
Significant investments in capital of other financial institutions not exceeding regulatory thresholds					-
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					87
Significant investments in capital of non-financial institutions					-
Other securities					161,103
<b>Cash collateral on securities borrowed</b>	12,368	-	-	12,368	
<b>Securities purchased under resale agreements</b>	67,572	-	-	67,572	
<b>Loans</b>	454,770	-	-	454,770	
<b>Allowance for credit losses</b>	(2,849)	-	-	(2,849)	
General allowance reflected in T2 capital					(440)
Excess in allowance over expected losses reflected in T2 capital					-
Allowances reflected in CET1 capital per ECL transitional arrangement					(209)
Allowances not reflected in regulatory capital					(2,200)
<b>Derivative instruments</b>	35,912	-	-	35,912	
<b>Customers' liability under acceptances</b>	10,958	-	-	10,958	
<b>Property and equipment</b>	3,286	-	-	3,286	
<b>Goodwill</b>	4,954	-	-	4,954	F
<b>Software and other intangible assets</b>	2,029	-	-	2,029	I
<b>Investments in equity-accounted associates and joint ventures</b>	658	-	354	1,012	
Significant investments in capital of other financial institutions exceeding regulatory thresholds (10% of CET1)					-
Significant investments in capital of other financial institutions exceeding regulatory thresholds (15% basket of CET1)					-
Significant investments in capital of other financial institutions not exceeding regulatory thresholds					570
Significant investments in capital of other financial institutions related to goodwill					11
Significant investments in capital of other financial institutions related to intangibles					25
Significant investments in capital of non-financial institutions					26
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (10% of CET1)					-
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (15% basket of CET1)					-
Investment in deconsolidated subsidiaries not exceeding regulatory thresholds					354
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					18
Non-significant investments in capital of non-financial institutions					8
<b>Deferred tax assets</b>	402	-	-	402	
Deferred tax assets excluding those arising from temporary differences					7
Deferred tax assets arising from temporary differences exceeding regulatory thresholds (15% basket of CET1)					-
Deferred tax assets arising from temporary differences not exceeding regulatory thresholds					1,121
Deferred tax liabilities related to goodwill					(88)
Deferred tax liabilities related to software and other intangible assets					(317)
Deferred tax liabilities related to defined benefit pension fund net assets					(321)
<b>Other assets</b>					
Defined benefit pension fund net assets	1,372	-	-	1,372	N
Other	27,853	(91)	-	27,762	
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds					5
Other					27,757
<b>Total assets</b>	<b>837,683</b>	<b>(305)</b>	<b>354</b>	<b>837,732</b>	

For footnotes, see next page.

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

(\$ millions)	Q4/21				Cross reference to capital schedule <sup>(2)</sup>
	Balance sheet as in report to shareholders	Insurance entities Deconsolidation	adjustment <sup>(1)</sup> Equity accounting	Balance sheet as in the regulatory scope of consolidation	
<b>Liabilities</b>					
<b>Deposits</b>	621,158	-	-	621,158	
<b>Obligations related to securities sold short</b>	22,790	-	-	22,790	
<b>Cash collateral on securities lent</b>	2,463	-	-	2,463	
<b>Obligations related to securities sold under repurchase agreements</b>	71,880	-	-	71,880	
<b>Derivative instruments</b>	32,101	-	-	32,101	
<b>Acceptances</b>	10,961	-	-	10,961	
<b>Deferred tax liabilities</b>	38	-	-	38	
<b>Other liabilities</b>	24,923	196	(147)	24,972	
<b>Subordinated indebtedness</b>	5,539	-	-	5,539	
Subordinated indebtedness allowed for inclusion in T2 capital					4,945
Subordinated indebtedness allowed for inclusion in T2 capital subject to phase out					451
Regulatory capital amortization of maturing subordinated indebtedness not allowed for T2 capital					-
Subordinated indebtedness excluded from T2 capital due to cap					110
Subordinated indebtedness not allowed for T2 capital					33
<b>Total liabilities</b>	<b>791,853</b>	<b>196</b>	<b>(147)</b>	<b>791,902</b>	
<b>Equity</b>					
<b>Preferred shares and other equity instruments</b>	4,325	-	-	4,325	
Preferred shares and other equity instruments allowed for inclusion into additional T1 capital					4,325
Preferred shares and other equity instruments allowed for inclusion into additional T1 capital subject to phase out					-
Preferred shares and other equity instruments excluded from additional T1 capital due to cap					-
<b>Common shares</b>	14,351	-	-	14,351	
Common shares – treasury positions					-
Common shares					14,351
<b>Contributed surplus</b>	110	-	-	110	
<b>Retained earnings</b>	25,793	(503)	503	25,793	
Gains and losses due to changes in own credit risk on fair valued liabilities					73
Other retained earnings					25,720
<b>AOCI</b>	1,069	2	(2)	1,069	
Cash flow hedges					137
Net fair value gains (losses) arising from changes in institution's own credit risk					(29)
Other					961
<b>Non-controlling interests</b>	182	-	-	182	
Portion allowed for inclusion into CET1					116
Portion allowed for inclusion into additional T1 capital					17
Portion allowed for inclusion into T2 capital					22
Portion not allowed for regulatory capital					27
<b>Total equity</b>	<b>45,830</b>	<b>(501)</b>	<b>501</b>	<b>45,830</b>	
<b>Total liabilities and equity</b>	<b>837,683</b>	<b>(305)</b>	<b>354</b>	<b>837,732</b>	

(1) Comprises our insurance subsidiaries: CIBC Cayman Re, and CIBC Life which are excluded from the regulatory scope of consolidation. CIBC Cayman Re provides life and health reinsurance to Canadian insurance and international reinsurance companies. 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 October 31, 2021, CIBC Cayman Re had \$200 million in assets, \$(167) million in liabilities, and \$367 million in equity, and CIBC Life had \$105 million in assets, \$(29) million in liabilities, and \$134 million in equity.

(2) Refer to table CC1.

## CHANGES IN REGULATORY CAPITAL

(\$ millions)

	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
<b>CET1 capital</b>					
Opening amount	33,095	31,915	31,438	30,876	30,202
Shares issued in lieu of cash dividends (add back)	36	32	32	32	33
Other issue of common shares	63	92	104	67	56
Redeemed capital	-	-	-	-	-
Purchase of common shares for cancellation	-	-	-	-	-
Premium on purchase of common shares for cancellation	-	-	-	-	-
Gross dividends (deduction)	(704)	(687)	(706)	(683)	(682)
Profit for the quarter (attributable to shareholders of the parent company)	1,436	1,725	1,647	1,621	1,015
Removal of own credit spread (net of tax)	(20)	-	(38)	49	16
Change in AOCI balances included in regulatory capital					
Currency translation differences	(129)	228	(595)	(619)	(84)
Securities measured at fair value through other comprehensive income (FVOCI)	(27)	1	(68)	51	(37)
Cash flow hedges	(155)	50	(8)	(24)	(30)
Post-employment defined benefit plans	254	137	327	199	147
Goodwill and other intangible assets (deduction, net of related tax liabilities)	(21)	(65)	134	177	233
Shortfall of allowance to expected losses	-	-	-	-	-
Other, including regulatory adjustments and transitional arrangements					
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	1	2	1	13	(7)
Defined benefit pension fund net assets	(159)	(206)	(283)	(197)	(54)
Significant investments in financial institutions (amount above 10% threshold)	-	-	-	-	-
Amount exceeding 15% threshold	-	-	-	-	-
Prudential valuation adjustments	4	1	(2)	3	6
Other <sup>(1)</sup>	77	(130)	(68)	(127)	62
Closing amount	33,751	33,095	31,915	31,438	30,876
<b>AT1 capital</b>					
Opening amount	3,845	3,844	3,846	3,899	3,148
AT1 eligible capital issues	750	-	-	-	750
Redeemed capital	-	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	-	-	-	(51)	-
Other, including regulatory adjustments and transitional arrangements <sup>(1)</sup>	(2)	1	(2)	(2)	1
Closing amount	4,593	3,845	3,844	3,846	3,899
<b>Total T1 capital</b>	<b>38,344</b>	<b>36,940</b>	<b>35,759</b>	<b>35,284</b>	<b>34,775</b>
<b>T2 capital</b>					
Opening amount	5,962	6,067	5,071	6,194	6,290
New T2 eligible capital issues	-	-	1,000	-	-
Redeemed capital	-	-	-	(1,000)	(32)
Amortization adjustments	-	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	-	-	-	(150)	-
Other, including regulatory adjustments and transitional arrangements <sup>(1)</sup>	(104)	(105)	(4)	27	(64)
Closing amount	5,858	5,962	6,067	5,071	6,194
<b>Total capital</b>	<b>44,202</b>	<b>42,902</b>	<b>41,826</b>	<b>40,355</b>	<b>40,969</b>

(1) Includes the impact of the ECL transitional arrangement announced by OSFI on March 27, 2020. The transitional arrangement results in a portion of ECL allowances that would otherwise be included in Tier 2 capital qualifying for inclusion in CET1 capital subject to certain adjustments and limitations until fiscal 2022.

## TLAC1: TLAC COMPOSITION (AT RESOLUTION GROUP LEVEL)

(\$ millions)

	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
<b>Regulatory capital elements of TLAC and adjustments</b>					
1 CET1 capital	33,751	33,095	31,915	31,438	30,876
2 AT1 capital before TLAC adjustments	4,593	3,845	3,844	3,846	3,899
3 AT1 ineligible as TLAC as issued out of subsidiaries to third parties	-	-	-	-	-
4 Other adjustments	-	-	-	-	-
5 AT1 instruments eligible under the TLAC framework	4,593	3,845	3,844	3,846	3,899
6 T2 capital before TLAC adjustments	5,858	5,962	6,067	5,071	6,194
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	5,858	5,962	6,067	5,071	6,194
11 TLAC arising from regulatory capital	44,202	42,902	41,826	40,355	40,969
<b>Non-regulatory capital elements of TLAC</b>					
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	32,540	30,477	23,803	22,467	19,696
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	32,540	30,477	23,803	22,467	19,696
<b>Non-regulatory capital elements of TLAC: adjustments</b>					
18 TLAC before deductions	76,742	73,379	65,629	62,822	60,665
19 Deductions of exposures between multiple point of entry resolution groups that correspond to items eligible for TLAC (not applicable to special purpose entities (SPEs) G-SIBs and D-SIBs)	n/a	n/a	n/a	n/a	n/a
20 Deduction of investments in own other TLAC liabilities	(41)	(79)	(127)	(91)	(53)
21 Other adjustments to TLAC	-	-	-	-	-
22 TLAC available after deductions	76,701	73,300	65,502	62,731	60,612
<b>RWA and leverage exposure measure for TLAC purposes</b>					
23 Total RWA adjusted as permitted under the TLAC regime	272,814	268,999	257,997	256,119	254,871
24 Leverage exposure measure	823,343	795,642	767,391	756,688	741,760
<b>TLAC ratios and buffers<sup>(1)</sup></b>					
25 TLAC Ratio (as a percentage of RWA adjusted as permitted under the TLAC regime) (%)	28.1%	27.2%	25.4%	24.5%	23.8%
26 TLAC Leverage Ratio (as a percentage of leverage exposure) (%)	9.3%	9.2%	8.5%	8.3%	8.2%
27 CET1 (as a percentage of RWA) available after meeting the resolution group's minimum capital and TLAC requirements <sup>(2)</sup>	n/a	n/a	n/a	n/a	n/a
28 Institution-specific buffer (capital conservation buffer plus countercyclical buffer plus higher loss absorbency, expressed as a percentage of RWA)	3.5%	3.5%	3.5%	3.5%	3.5%
29 Of which: capital conservation buffer	2.5%	2.5%	2.5%	2.5%	2.5%
30 Of which: bank specific countercyclical buffer	0.0%	0.0%	0.0%	0.0%	0.0%
31 Of which: D-SIB/G-SIB buffer	1.0%	1.0%	1.0%	1.0%	1.0%

(1) Under the Canadian bail-in regime, including OSFI's TLAC Guideline, CIBC is required to meet target TLAC requirements beginning in Q1/22. As a D-SIB, CIBC will be subject to a target risk-based TLAC Ratio (which comprises a minimum risk-based TLAC ratio of 21.5% plus the then-applicable DSB) and a minimum TLAC Leverage Ratio of 6.75%.

(2) Not applicable until Q1/22.

n/a Not applicable.

## TLAC3: RESOLUTION ENTITY - CREDITOR RANKING AT LEGAL ENTITY LEVEL <sup>(1)(2)</sup>

(\$ millions)

	Q4/21					
	Creditor ranking					
	(most junior)				(most senior)	
1 Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt <sup>(3)</sup>	Other liabilities <sup>(4)</sup>	Total
2 Total capital and liabilities net of credit risk mitigation	14,351	4,325	5,511	32,685	-	56,872
3 Subset of row 2 that are excluded liabilities	-	-	15	42	-	57
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	14,351	4,325	5,496	32,643	-	56,815
5 Subset of row 4 that are potentially eligible as TLAC	14,351	4,325	5,496	32,383	-	56,555
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	10,266	-	10,266
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	19,934	-	19,934
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	5,360	827	-	6,187
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	136	1,356	-	1,492
10 Subset of row 5 that is perpetual securities	14,351	4,325	-	-	-	18,676

(\$ millions)

	Q3/21					
	Creditor ranking					
	(most junior)				(most senior)	
1 Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt <sup>(3)</sup>	Other liabilities <sup>(4)</sup>	Total
2 Total capital and liabilities net of credit risk mitigation	14,252	3,575	5,511	30,673	-	54,011
3 Subset of row 2 that are excluded liabilities	1	-	27	80	-	108
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	14,251	3,575	5,484	30,593	-	53,903
5 Subset of row 4 that are potentially eligible as TLAC	14,251	3,575	5,484	30,370	-	53,680
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	10,315	-	10,315
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	17,772	-	17,772
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	5,348	920	-	6,268
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	136	1,363	-	1,499
10 Subset of row 5 that is perpetual securities	14,251	3,575	-	-	-	17,826

(\$ millions)

	Q2/21					
	Creditor ranking					
	(most junior)				(most senior)	
1 Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt <sup>(3)</sup>	Other liabilities <sup>(4)</sup>	Total
2 Total capital and liabilities net of credit risk mitigation	14,130	3,575	5,510	23,925	-	47,140
3 Subset of row 2 that are excluded liabilities	2	-	14	65	-	81
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	14,128	3,575	5,496	23,860	-	47,059
5 Subset of row 4 that are potentially eligible as TLAC	14,128	3,575	5,496	23,654	-	46,853
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	1,721	-	1,721
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	19,700	-	19,700
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	5,211	887	-	6,098
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	285	1,346	-	1,631
10 Subset of row 5 that is perpetual securities	14,128	3,575	-	-	-	17,703

(1) Presented for CIBC at the legal entity level and therefore instruments issued by subsidiaries and SPEs 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.



## TLAC3: RESOLUTION ENTITY - CREDITOR RANKING AT LEGAL ENTITY LEVEL (continued) <sup>(1)(2)</sup>

(\$ millions)

	Q1/21						Total
	Creditor ranking						
	(most junior)				(most senior)		
1 Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt <sup>(3)</sup>	Other liabilities <sup>(4)</sup>		
2 Total capital and liabilities net of credit risk mitigation	13,991	3,575	4,513	22,711	-	44,790	
3 Subset of row 2 that are excluded liabilities	-	-	33	89	-	122	
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	13,991	3,575	4,480	22,622	-	44,668	
5 Subset of row 4 that are potentially eligible as TLAC	13,991	3,575	4,480	22,360	-	44,406	
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	180	-	180	
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	20,293	-	20,293	
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	4,192	863	-	5,055	
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	288	1,024	-	1,312	
10 Subset of row 5 that is perpetual securities	13,991	3,575	-	-	-	17,566	

(\$ millions)

	Q4/20						Total
	Creditor ranking						
	(most junior)				(most senior)		
1 Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt <sup>(3)</sup>	Other liabilities <sup>(4)</sup>		
2 Total capital and liabilities net of credit risk mitigation	13,908	3,575	5,526	19,977	-	42,986	
3 Subset of row 2 that are excluded liabilities	16	-	68	52	-	136	
4 Total capital and liabilities less excluded liabilities (row 2 minus row 3)	13,892	3,575	5,458	19,925	-	42,850	
5 Subset of row 4 that are potentially eligible as TLAC	13,892	3,575	5,458	19,656	-	42,581	
6 Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	100	-	100	
7 Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	17,692	-	17,692	
8 Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	4,957	790	-	5,747	
9 Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	501	1,074	-	1,575	
10 Subset of row 5 that is perpetual securities	13,892	3,575	-	-	-	17,467	

For footnotes, see page 14.

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

(\$ millions)

Row	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
1 Total consolidated assets as per published financial statements	837,683	806,067	782,878	782,908	769,551
2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	49	58	54	141	57
3 Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transference	(1,729)	(1,729)	(809)	(1,235)	(1,672)
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	2,098	1,420	(1,186)	370	2,003
6 Adjustment for SFTs (i.e. repos and similar secured lending)	(2,051)	(1,563)	(3,595)	(3,245)	(2,933)
7 Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	94,604	89,911	86,791	84,764	84,761
8 Other adjustments <sup>(1)</sup>	(107,311)	(98,522)	(96,742)	(107,015)	(110,007)
<b>9 Leverage ratio exposure measure</b>	<b>823,343</b>	<b>795,642</b>	<b>767,391</b>	<b>756,688</b>	<b>741,760</b>

(1) Includes the impact of regulatory flexibility provided by OSFI in respect of exposures arising from central bank reserves and sovereign-issued securities that qualify as high quality liquid assets (HQLA). While the treatment specified by OSFI currently permits these items to be excluded from the leverage ratio exposure measure, the exclusion will no longer be available for sovereign-issued securities after December 31, 2021.

## LR2: LEVERAGE RATIO COMMON DISCLOSURE TEMPLATE

(\$ millions)

Row	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
<b>On-balance sheet exposures</b>					
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures, but including collateral) <sup>(1)</sup>	626,844	608,496	590,066	578,586	563,075
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)	(6,151)	(5,377)	(7,168)	(6,541)	(4,630)
4 (Asset amounts deducted in determining T1 capital)	(7,853)	(7,810)	(7,509)	(7,365)	(7,388)
<b>5 Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 to 4)</b>	<b>612,840</b>	<b>595,309</b>	<b>575,389</b>	<b>564,680</b>	<b>551,057</b>
<b>Derivative exposures</b>					
6 Replacement cost associated with all derivative transactions	14,389	12,438	11,596	11,921	12,307
7 Add-on amounts for potential future exposure associated with all derivative transactions	23,621	23,341	22,530	22,613	22,425
8 (Exempted central counterparty (CCP)-leg of client cleared trade exposures)	-	-	-	-	-
9 Adjusted effective notional amount of written credit derivatives	1,222	1,225	533	881	1,456
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(1,222)	(1,225)	(532)	(879)	(1,456)
<b>11 Total derivatives exposures (sum of lines 6 to 10)</b>	<b>38,010</b>	<b>35,779</b>	<b>34,127</b>	<b>34,536</b>	<b>34,732</b>
<b>SFT exposures</b>					
12 Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	79,940	76,206	74,679	75,953	74,143
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	(5,972)	(5,535)	(7,834)	(8,084)	(7,077)
14 Counterparty credit risk exposure for SFTs	3,921	3,972	4,239	4,839	4,144
15 Agent transaction exposures	-	-	-	-	-
<b>16 Total SFT exposures (sum of lines 12 to 15)</b>	<b>77,889</b>	<b>74,643</b>	<b>71,084</b>	<b>72,708</b>	<b>71,210</b>
<b>Other off-balance sheet exposures</b>					
17 Off-balance sheet exposure at gross notional amount	330,003	319,364	310,366	301,329	295,896
18 (Adjustments for conversion to credit equivalent amounts)	(235,399)	(229,453)	(223,575)	(216,565)	(211,135)
<b>19 Off-balance sheet items (sum of lines 17 and 18)</b>	<b>94,604</b>	<b>89,911</b>	<b>86,791</b>	<b>84,764</b>	<b>84,761</b>
<b>Capital and Total Exposures</b>					
<b>20 T1 capital <sup>(2)</sup></b>	<b>38,344</b>	<b>36,940</b>	<b>35,759</b>	<b>35,284</b>	<b>34,775</b>
<b>20a T1 capital with transitional arrangements for ECL provisioning not applied</b>	<b>38,135</b>	<b>36,657</b>	<b>35,358</b>	<b>34,796</b>	<b>34,183</b>
<b>21 Total Exposures (sum of lines 5, 11, 16 and 19)</b>	<b>823,343</b>	<b>795,642</b>	<b>767,391</b>	<b>756,688</b>	<b>741,760</b>
<b>Leverage Ratio</b>					
<b>22 Leverage ratio <sup>(2)</sup></b>	<b>4.7%</b>	<b>4.6%</b>	<b>4.7%</b>	<b>4.7%</b>	<b>4.7%</b>
<b>22a Leverage ratio with transitional arrangements for ECL provisioning not applied</b>	<b>4.6%</b>	<b>4.6%</b>	<b>4.6%</b>	<b>4.6%</b>	<b>4.6%</b>

(1) Includes the impact of regulatory flexibility provided by OSFI in respect of exposures arising from central bank reserves and sovereign-issued securities that qualify as HQLA. While the treatment specified by OSFI currently permits these items to be excluded from the leverage ratio exposure measure, the exclusion will no longer be available for sovereign-issued securities after December 31, 2021.

(2) Lines 20 and 22 incorporate ECL transitional relief provided by OSFI as announced on March 27, 2020. The transitional arrangement results in a portion of ECL allowances that would otherwise be included in Tier 2 capital qualifying for inclusion in CET1 capital subject to certain adjustments and limitations until fiscal 2022.

## CR1: CREDIT QUALITY OF ASSETS

(\$ millions)	Q4/21						
	a	b	c	d	e	f	g
	Gross carrying values of			Of which ECL accounting provisions for credit losses on SA exposures <sup>(1)</sup>		Of which ECL accounting provisions for credit losses on IRB exposures	
	Defaulted exposures	Non-defaulted exposures	Allowances/ impairments	Allocated in regulatory category of specific	Allocated in regulatory category of general	on IRB exposures	Net value (a+b-c)
1 Loans	1,833	463,895	2,849	245	412	2,192	462,879
2 Debt securities	449	121,946	34	13	21	-	122,361
2a Other investment <sup>(2)</sup>	-	11	-	-	-	-	11
3 Off-balance sheet exposures <sup>(3)</sup>	125	329,361	122	-	16	106	329,364
4 Total	2,407	915,213	3,005	258	449	2,298	914,615

(\$ millions)	Q3/21						
	a	b	c	d	e	f	g
	Gross carrying values of			Of which ECL accounting provisions for credit losses on SA exposures <sup>(1)</sup>		Of which ECL accounting provisions for credit losses on IRB exposures	
	Defaulted exposures	Non-defaulted exposures	Allowances/ impairments	Allocated in regulatory category of specific	Allocated in regulatory category of general	on IRB exposures	Net value (a+b-c)
1 Loans	1,901	450,192	2,926	240	485	2,201	449,167
2 Debt securities	448	119,282	36	13	23	-	119,694
2a Other investment <sup>(2)</sup>	-	11	-	-	-	-	11
3 Off-balance sheet exposures <sup>(3)</sup>	122	318,826	120	3	22	95	318,828
4 Total	2,471	888,311	3,082	256	530	2,296	887,700

(\$ millions)	Q2/21						
	a	b	c	d	e	f	g
	Gross carrying values of			Of which ECL accounting provisions for credit losses on SA exposures <sup>(1)</sup>		Of which ECL accounting provisions for credit losses on IRB exposures	
	Defaulted exposures	Non-defaulted exposures	Allowances/ impairments	Allocated in regulatory category of specific	Allocated in regulatory category of general	on IRB exposures	Net value (a+b-c)
1 Loans	2,334	432,986	3,200	209	554	2,437	432,120
2 Debt securities	425	117,482	33	13	19	1	117,874
2a Other investment <sup>(2)</sup>	-	11	-	-	-	-	11
3 Off-balance sheet exposures <sup>(3)</sup>	149	309,650	138	-	33	105	309,661
4 Total	2,908	860,129	3,371	222	606	2,543	859,666

(1) For SA exposures, stage 3 allowances are reflected in the category of specific, and stage 1 and 2 allowances are reflected in the category of general.

(2) Other investments include equity investments subject to the credit risk framework.

(3) Includes \$141.5 billion (Q3/21: \$140.2 billion) of personal, home equity and credit card lines, which are unconditionally cancellable at our discretion.

## CR1: CREDIT QUALITY OF ASSETS (continued)

(\$ millions)	Q1/21						
	a	b	c	d	e	f	g
	Gross carrying values of			Of which ECL accounting provisions for credit losses on SA exposures <sup>(1)</sup>		Of which ECL accounting provisions for credit losses on IRB exposures	
	Defaulted exposures	Non-defaulted exposures	Allowances/ impairments	Allocated in regulatory category of specific	Allocated in regulatory category of general	Net value (a+b-c)	
1 Loans	2,455	422,004	3,484	212	607	2,665	420,975
2 Debt securities	449	114,235	36	13	22	1	114,648
2a Other investment <sup>(2)</sup>	-	11	-	-	-	-	11
3 Off-balance sheet exposures <sup>(3)</sup>	226	301,353	147	-	32	115	301,432
4 Total	3,130	837,603	3,667	225	661	2,781	837,066

(\$ millions)	Q4/20						
	a	b	c	d	e	f	g
	Gross carrying values of			Of which ECL accounting provisions for credit losses on SA exposures <sup>(1)</sup>		Of which ECL accounting provisions for credit losses on IRB exposures	
	Defaulted exposures	Non-defaulted exposures	Allowances/ impairments	Allocated in regulatory category of specific	Allocated in regulatory category of general	Net value (a+b-c)	
1 Loans	2,349	417,579	3,540	255	686	2,599	416,388
2 Debt securities	463	120,054	38	14	24	-	120,479
2a Other investment <sup>(2)</sup>	-	9	-	-	-	-	9
3 Off-balance sheet exposures <sup>(3)</sup>	156	295,602	182	2	38	142	295,576
4 Total	2,968	833,244	3,760	271	748	2,741	832,452

For footnotes, see page 17.

## CR2: CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES <sup>(1)</sup>

(\$ millions)

	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>
1 Defaulted loans and debt securities at end of the previous reporting period	<b>2,471</b>	2,908	3,130	2,968	3,277
2 Loans and debt securities that have defaulted since the last reporting period	<b>456</b>	414	726	840	705
Amounts repaid <sup>(2)</sup>	<b>(226)</b>	(489)	(308)	(411)	(396)
3 Returned to non-defaulted status	<b>(106)</b>	(106)	(185)	(68)	(316)
4 Amounts written off	<b>(185)</b>	(265)	(316)	(220)	(203)
5 Other changes <sup>(3)</sup>	<b>(3)</b>	9	(139)	21	(99)
6 Defaulted loans and debt securities at end of the reporting period	<b>2,407</b>	2,471	2,908	3,130	2,968

(1) Includes off-balance sheet exposures.

(2) Includes disposals of loans.

(3) Includes changes due to foreign exchange movements.

## CR3: CRM TECHNIQUES - OVERVIEW <sup>(1)</sup>

(\$ millions)	Q4/21					Q3/21				
	a	b1	b	d	f	a	b1	b	d	f
	Exposure unsecured: carrying amount <sup>(2)</sup>	Exposure secured <sup>(3)</sup>	Exposure secured by collateral <sup>(4)</sup>	Exposures secured by financial guarantees	Exposures secured by credit derivatives <sup>(5)</sup>	Exposure unsecured: carrying amount <sup>(2)</sup>	Exposure secured <sup>(3)</sup>	Exposure secured by collateral <sup>(4)</sup>	Exposures secured by financial guarantees	Exposures secured by credit derivatives <sup>(5)</sup>
1 Loans	51,846	411,033	410,364	669	-	47,591	401,576	400,870	706	-
2 Debt securities	105,569	16,792	2,050	14,742	-	103,120	16,574	2,612	13,962	-
3 Total <sup>(3)</sup>	157,415	427,825	412,414	15,411	-	150,711	418,150	403,482	14,668	-
4 Of which defaulted <sup>(6)</sup>	525	972	969	3	-	490	1,039	1,038	1	-

(\$ millions)	Q2/21					Q1/21				
	a	b1	b	d	f	a	b1	b	d	f
	Exposure unsecured: carrying amount <sup>(2)</sup>	Exposure secured <sup>(3)</sup>	Exposure secured by collateral <sup>(4)</sup>	Exposures secured by financial guarantees	Exposures secured by credit derivatives <sup>(5)</sup>	Exposure unsecured: carrying amount <sup>(2)</sup>	Exposure secured <sup>(3)</sup>	Exposure secured by collateral <sup>(4)</sup>	Exposures secured by financial guarantees	Exposures secured by credit derivatives <sup>(5)</sup>
1 Loans	48,222	383,898	383,365	533	-	45,407	375,568	374,910	658	-
2 Debt securities	101,603	16,271	2,536	13,735	-	97,960	16,688	2,890	13,798	-
3 Total <sup>(3)</sup>	149,825	400,169	385,901	14,268	-	143,367	392,256	377,800	14,456	-
4 Of which defaulted <sup>(6)</sup>	516	1,337	1,336	1	-	517	1,422	1,421	1	-

(\$ millions)	Q4/20				
	a	b1	b	d	f
	Exposure unsecured: carrying amount <sup>(2)</sup>	Exposure secured <sup>(3)</sup>	Exposure secured by collateral <sup>(4)</sup>	Exposures secured by financial guarantees	Exposures secured by credit derivatives <sup>(5)</sup>
1 Loans	48,142	368,246	367,589	657	-
2 Debt securities	104,177	16,302	2,885	13,417	-
3 Total <sup>(3)</sup>	152,319	384,548	370,474	14,074	-
4 Of which defaulted <sup>(6)</sup>	120	1,315	1,312	3	-

(1) Excludes off-balance sheet exposures.

(2) Includes fully unsecured exposures and the unsecured portion of partially-secured exposures.

(3) Amounts reflect the entire carrying value of exposures which are secured by either collateral or financial guarantees.

(4) All residential mortgages are included in exposure secured by collateral.

(5) Excludes derivatives which do not qualify in reducing exposures considered for regulatory capital purposes. For exposures secured by more than one form of security, exposures are first reduced by the amount secured by collateral, and then financial guarantees and credit derivatives, as applicable.

(6) Amounts are net of allowance for credit losses.

## CR4: SA - CREDIT RISK EXPOSURE AND CRM EFFECTS

(\$ millions)

Asset classes	Q4/21										
	a		b		c		d		e		f
	Exposures before CCF <sup>(1)</sup> and CRM		Exposures post-CCF and CRM		RWA and RWA density				RWA		RWA
	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	26,272	-	26,272	-	1,418	-			5		
2 Non-central government public sector entities	-	-	-	-	-	-			-		
3 Multilateral development banks	-	-	-	-	-	-			-		
4 Banks	1,565	11	1,565	3	382	-			24		
5 Securities firms	-	-	-	-	-	-			-		
6 Corporates	36,219	22,436	36,219	8,564	43,764	-			98		
7 Regulatory retail portfolios	1,379	627	1,379	26	976	-			69		
8 Secured by residential property	4,732	128	4,732	-	2,153	-			45		
9 Secured by commercial real estate	-	-	-	-	-	-			-		
10 Equity <sup>(2)</sup>	602	30	602	15	655	-			106		
11 Past-due loans	-	-	-	-	-	-			-		
12 Higher-risk categories	-	-	-	-	-	-			-		
13 Other assets <sup>(3)</sup>	16,865	-	16,865	-	12,288	-			73		
14 Total	87,634	23,232	87,634	8,608	61,636	-			64		

(\$ millions)

Asset classes	Q3/21										
	a		b		c		d		e		f
	Exposures before CCF <sup>(1)</sup> and CRM		Exposures post-CCF and CRM		RWA and RWA density				RWA		RWA
	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	24,389	-	24,389	-	1,485	-			6		
2 Non-central government public sector entities	-	-	-	-	-	-			-		
3 Multilateral development banks	-	-	-	-	-	-			-		
4 Banks	1,935	48	1,935	16	471	-			24		
5 Securities firms	-	-	-	-	-	-			-		
6 Corporates	34,989	21,619	34,989	8,242	41,774	-			97		
7 Regulatory retail portfolios	1,351	555	1,351	26	964	-			70		
8 Secured by residential property	4,656	137	4,656	-	2,769	-			59		
9 Secured by commercial real estate	-	-	-	-	-	-			-		
10 Equity <sup>(2)</sup>	560	34	560	17	610	-			106		
11 Past-due loans	-	-	-	-	-	-			-		
12 Higher-risk categories	-	-	-	-	-	-			-		
13 Other assets <sup>(3)</sup>	16,037	-	16,037	-	11,918	-			74		
14 Total	83,917	22,393	83,917	8,301	59,991	-			65		

(1) Credit conversion factor (CCF).

(2) Comprises non-trading equities that are risk-weighted at 100% under the materiality clause. RWA include the 6% adjustment for the scaling factor.

(3) Excludes exposures that are deducted from regulatory capital.

## CR4: SA - CREDIT RISK EXPOSURE AND CRM EFFECTS (continued)

(\$ millions)

<b>Asset classes</b>	Q2/21										
	a		b		c		d		e		f
	Exposures before CCF <sup>(1)</sup> and CRM		Exposures post-CCF and CRM		RWA and RWA density		RWA		RWA		
	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA	density %	density %	
1 Sovereigns and their central banks	24,101	-	24,101	-	1,484	-	-	-	6	-	
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-	
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	
4 Banks	1,590	46	1,590	17	394	-	-	-	25	-	
5 Securities firms	-	-	-	-	-	-	-	-	-	-	
6 Corporates	34,729	20,567	34,729	7,892	39,982	-	-	-	94	-	
7 Regulatory retail portfolios	1,288	531	1,288	25	919	-	-	-	70	-	
8 Secured by residential property	4,476	143	4,476	-	2,681	-	-	-	60	-	
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-	
10 Equity <sup>(2)</sup>	472	-	472	-	500	-	-	-	106	-	
11 Past-due loans	-	-	-	-	-	-	-	-	-	-	
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-	
13 Other assets <sup>(3)</sup>	17,696	-	17,696	-	12,009	-	-	-	68	-	
14 Total	84,352	21,287	84,352	7,934	57,969	-	-	-	63	-	

(\$ millions)

<b>Asset classes</b>	Q1/21										
	a		b		c		d		e		f
	Exposures before CCF <sup>(1)</sup> and CRM		Exposures post-CCF and CRM		RWA and RWA density		RWA		RWA		
	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA	density %	density %	
1 Sovereigns and their central banks	23,836	-	23,836	-	2,355	-	-	-	10	-	
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-	
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	
4 Banks	1,279	29	1,279	12	331	-	-	-	26	-	
5 Securities firms	-	-	-	-	-	-	-	-	-	-	
6 Corporates	35,485	20,929	35,485	8,040	41,016	-	-	-	94	-	
7 Regulatory retail portfolios	1,327	450	1,327	28	961	-	-	-	71	-	
8 Secured by residential property	4,593	155	4,593	-	2,770	-	-	-	60	-	
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-	
10 Equity <sup>(2)</sup>	471	-	471	-	500	-	-	-	106	-	
11 Past-due loans	-	-	-	-	-	-	-	-	-	-	
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-	
13 Other assets <sup>(3)</sup>	16,717	-	16,717	-	11,616	-	-	-	69	-	
14 Total	83,708	21,563	83,708	8,080	59,549	-	-	-	65	-	

For footnotes, see page 21.



## CR4: SA - CREDIT RISK EXPOSURE AND CRM EFFECTS (continued)

(\$ millions)

Asset classes	Q4/20											
	a		b		c		d		e		f	
	Exposures before CCF <sup>(1)</sup> and CRM		Exposures post-CCF and CRM		RWA and RWA density		RWA		RWA		density %	
	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA	RWA	RWA	density %	density %
1 Sovereigns and their central banks	22,664	-	22,664	-	2,460	-	11					
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	-	-
4 Banks	1,241	48	1,241	16	326	-	26					
5 Securities firms	-	-	-	-	-	-	-	-	-	-	-	-
6 Corporates	36,459	21,464	36,459	8,353	41,828	-	93					
7 Regulatory retail portfolios	1,296	448	1,296	28	939	-	71					
8 Secured by residential property	4,717	163	4,717	-	2,859	-	61					
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-	-	-
10 Equity <sup>(2)</sup>	466	-	466	-	493	-	106					
11 Past-due loans	-	-	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-	-	-
13 Other assets <sup>(3)</sup>	15,056	-	15,056	-	11,743	-	78					
14 Total	81,899	22,123	81,899	8,397	60,648	-	67					

For footnotes, see page 21.

## CR5: SA - EXPOSURES BY ASSET CLASSES AND RISK-WEIGHTS

(\$ millions)

		Q4/21									
		a	b	c	d	e	f	g	h	i	i
		Risk weight									
<b>Asset classes</b>		0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1	Sovereigns and their central banks	22,495	-	2,884	-	103	-	790	-	-	26,272
2	Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-
3	Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4	Banks	-	-	1,483	-	-	-	85	-	-	1,568
5	Securities firms	-	-	-	-	-	-	-	-	-	-
6	Corporates	1,001	-	84	-	31	-	43,538	129	-	44,783
7	Regulatory retail portfolios	93	-	25	-	14	1,240	31	2	-	1,405
8	Secured by residential property	-	-	10	3,556	-	1,056	101	9	-	4,732
9	Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10	Equity <sup>(1)</sup>	-	-	-	-	-	-	617	-	-	617
11	Past-due loans	-	-	-	-	-	-	-	-	-	-
12	Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13	Other assets <sup>(2)</sup>	7,909	-	51	-	-	-	6,834	-	2,071	16,865
14	<b>Total</b>	<b>31,498</b>	<b>-</b>	<b>4,537</b>	<b>3,556</b>	<b>148</b>	<b>2,296</b>	<b>51,996</b>	<b>140</b>	<b>2,071</b>	<b>96,242</b>

(\$ millions)

		Q3/21									
		a	b	c	d	e	f	g	h	i	i
		Risk weight									
<b>Asset classes</b>		0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1	Sovereigns and their central banks	20,489	-	2,953	-	104	-	843	-	-	24,389
2	Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-
3	Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4	Banks	-	-	1,849	-	1	-	101	-	-	1,951
5	Securities firms	-	-	-	-	-	-	-	-	-	-
6	Corporates	1,435	-	87	-	43	-	41,529	137	-	43,231
7	Regulatory retail portfolios	88	-	20	-	12	1,220	33	4	-	1,377
8	Secured by residential property	-	-	11	1,869	-	2,674	92	10	-	4,656
9	Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10	Equity <sup>(1)</sup>	-	-	-	-	-	-	577	-	-	577
11	Past-due loans	-	-	-	-	-	-	-	-	-	-
12	Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13	Other assets <sup>(2)</sup>	7,506	-	-	-	-	-	6,494	-	2,037	16,037
14	<b>Total</b>	<b>29,518</b>	<b>-</b>	<b>4,920</b>	<b>1,869</b>	<b>160</b>	<b>3,894</b>	<b>49,669</b>	<b>151</b>	<b>2,037</b>	<b>92,218</b>

(1) Comprises non-trading equity exposures that are risk-weighted at 100% under the materiality clause per OSFI's CAR guideline.

(2) Excludes exposures that are deducted from regulatory capital.

CR5: SA - EXPOSURES BY ASSET CLASSES AND RISK-WEIGHTS (continued)

(\$ millions)

Asset classes	Q2/21									
	a	b	c	d	e	f	g	h	i	i
	Risk weight									
	0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1 Sovereigns and their central banks	20,206	-	2,951	-	102	-	842	-	-	24,101
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	1,515	-	1	-	91	-	-	1,607
5 Securities firms	-	-	-	-	-	-	-	-	-	-
6 Corporates	2,654	-	80	-	33	-	39,661	193	-	42,621
7 Regulatory retail portfolios	82	-	22	-	11	1,161	34	3	-	1,313
8 Secured by residential property	-	-	11	1,741	-	2,626	95	3	-	4,476
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10 Equity <sup>(1)</sup>	-	-	-	-	-	-	472	-	-	472
11 Past-due loans	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13 Other assets <sup>(2)</sup>	8,924	-	-	-	-	-	6,830	-	1,942	17,696
14 Total	31,866	-	4,579	1,741	147	3,787	48,025	199	1,942	92,286

(\$ millions)

Asset classes	Q1/21									
	a	b	c	d	e	f	g	h	i	i
	Risk weight									
	0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)
1 Sovereigns and their central banks	19,133	-	3,184	-	132	-	855	532	-	23,836
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	1,201	-	1	-	84	5	-	1,291
5 Securities firms	-	-	-	-	-	-	-	-	-	-
6 Corporates	2,490	-	89	-	29	-	40,785	132	-	43,525
7 Regulatory retail portfolios	79	-	22	-	9	1,201	29	15	-	1,355
8 Secured by residential property	-	-	12	1,735	-	2,749	93	4	-	4,593
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-
10 Equity <sup>(1)</sup>	-	-	-	-	-	-	471	-	-	471
11 Past-due loans	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13 Other assets <sup>(2)</sup>	8,395	-	-	-	-	-	6,284	-	2,038	16,717
14 Total	30,097	-	4,508	1,735	171	3,950	48,601	688	2,038	91,788

For footnotes, see page 24.

CR5: SA - EXPOSURES BY ASSET CLASSES AND RISK-WEIGHTS (continued)

(\$ millions)

	Q4/20										
	a	b	c	d	e	f	g	h	i	i	
	Risk weight										
											Total credit exposures amount (post CCF and post-CRM)
<b>Asset classes</b>	0%	10%	20%	35%	50%	75%	100%	150%	Others		
1 Sovereigns and their central banks	17,646	-	3,442	-	138	-	906	532	-	-	22,664
2 Non-central government public sector entities	-	-	-	-	-	-	-	-	-	-	-
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	1,168	-	1	-	78	10	-	-	1,257
5 Securities firms	-	-	-	-	-	-	-	-	-	-	-
6 Corporates	2,959	-	95	-	26	-	41,603	129	-	-	44,812
7 Regulatory retail portfolios	72	-	18	-	5	1,195	29	5	-	-	1,324
8 Secured by residential property	-	-	13	1,742	-	2,872	86	4	-	-	4,717
9 Secured by commercial real estate	-	-	-	-	-	-	-	-	-	-	-
10 Equity <sup>(1)</sup>	-	-	-	-	-	-	466	-	-	-	466
11 Past-due loans	-	-	-	-	-	-	-	-	-	-	-
12 Higher-risk categories	-	-	-	-	-	-	-	-	-	-	-
13 Other assets <sup>(2)</sup>	6,442	-	-	-	-	-	6,615	-	1,999	-	15,056
14 Total	27,119	-	4,736	1,742	170	4,067	49,783	680	1,999	-	90,296

For footnotes, see page 24.

## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE <sup>(1)</sup>

(\$ millions)

	Q4/21											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Business and government portfolios</b>												
<b>Corporate</b>												
0.00 to <0.15	19,297	24,788	72	37,091	0.08	2,157	31	2.1	6,997	19	10	
0.15 to <0.25	30,579	41,881	66	58,054	0.19	4,871	36	2.5	21,988	38	41	
0.25 to <0.50	17,108	17,721	60	27,726	0.33	4,055	37	2.3	13,018	47	34	
0.50 to <0.75	28,550	21,983	50	39,507	0.63	4,283	35	2.2	22,803	58	86	
0.75 to <2.50	12,779	9,356	51	17,579	1.37	4,652	36	2.0	13,059	74	86	
2.50 to <10.00	9,688	6,678	47	12,833	4.32	21,466	31	2.2	12,035	94	167	
10.00 to <100.00	992	433	51	1,214	25.95	315	38	1.6	2,399	198	119	
100.00 (Default)	711	85	56	758	100.00	879	58	1.7	1,879	248	389	
	<b>119,704</b>	<b>122,925</b>	<b>61</b>	<b>194,762</b>	<b>1.21</b>	<b>42,678</b>	<b>35</b>	<b>2.2</b>	<b>94,178</b>	<b>48</b>	<b>932</b>	<b>732</b>
<b>Sovereign</b>												
0.00 to <0.15	124,385	14,849	67	134,347	0.02	1,100	7	2.4	2,323	2	3	
0.15 to <0.25	232	70	67	279	0.23	45	25	2.4	77	28	-	
0.25 to <0.50	259	150	61	351	0.33	64	28	3.5	135	38	1	
0.50 to <0.75	46	43	59	72	0.58	46	58	1.1	53	74	1	
0.75 to <2.50	43	10	63	49	1.41	19	26	1.6	27	55	-	
2.50 to <10.00	36	7	76	41	3.53	291	16	1.8	20	49	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	<b>125,001</b>	<b>15,129</b>	<b>67</b>	<b>135,139</b>	<b>0.02</b>	<b>1,565</b>	<b>7</b>	<b>2.4</b>	<b>2,635</b>	<b>2</b>	<b>5</b>	<b>1</b>
<b>Banks</b>												
0.00 to <0.15	10,546	64,391	99	74,193	0.05	444	10	0.3	2,388	3	4	
0.15 to <0.25	745	2,539	82	2,821	0.18	49	7	0.7	132	5	-	
0.25 to <0.50	2	122	61	77	0.33	16	13	1.0	11	14	-	
0.50 to <0.75	366	319	81	623	0.70	31	20	0.9	184	30	1	
0.75 to <2.50	234	44	58	260	1.41	19	31	1.6	176	68	1	
2.50 to <10.00	398	217	93	599	5.07	153	11	1.7	234	39	4	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	<b>12,291</b>	<b>67,632</b>	<b>98</b>	<b>78,573</b>	<b>0.11</b>	<b>712</b>	<b>10</b>	<b>0.3</b>	<b>3,125</b>	<b>4</b>	<b>10</b>	<b>1</b>

(1) Amounts are calculated after taking into consideration the effect of CRM 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 guarantor. In such situations, the obligor will appear twice in both PD bands.

(3) Denoted in years.

(4) For Q4/21 the use of credit derivatives reduced RWA relating to corporate exposures under the AIRB approach by \$20 million (Q3/21: \$20 million).

(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.

## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q4/21											
	a	b	c	d	e	f	g	h	i	j	k	l
	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>PD scale</b>												
<b>Retail portfolios</b>												
<b>Real estate secured personal lending (insured)</b>												
0.00 to <0.15	59,468	-	n/a	59,468	0.01	298,077	6	n/a	1,078	2	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)	-	-	-	-	-	-	-	-	-	-	-	-
	59,468	-	n/a	59,468	0.01	298,077	6	n/a	1,078	2	1	14
<b>Real estate secured personal lending (uninsured)</b>												
0.00 to <0.15	114,607	29,179	48	128,625	0.10	524,131	19	n/a	5,773	4	23	
0.15 to <0.25	32,080	39,071	57	54,236	0.18	404,992	24	n/a	5,165	10	24	
0.25 to <0.50	24,620	-	-	24,620	0.33	63,632	19	n/a	3,026	12	16	
0.50 to <0.75	13,962	487	26	14,090	0.59	44,157	18	n/a	2,456	17	16	
0.75 to <2.50	13,307	1,009	32	13,628	1.21	69,522	22	n/a	4,742	35	37	
2.50 to <10.00	2,773	8	50	2,777	6.16	8,504	18	n/a	1,861	67	30	
10.00 to <100.00	420	15	33	424	38.49	2,190	20	n/a	488	115	31	
100.00 (Default)	294	30	-	294	100.00	1,856	20	n/a	348	118	34	
	202,063	69,799	52	238,694	0.49	1,118,984	20	n/a	23,859	10	211	155
<b>Qualifying revolving retail</b>												
0.00 to <0.15	1,736	50,198	75	39,425	0.05	4,179,032	91	n/a	1,173	3	16	
0.15 to <0.25	3,685	16,034	54	12,415	0.18	1,713,225	87	n/a	1,099	9	19	
0.25 to <0.50	1,178	7,063	48	4,561	0.42	1,762,499	85	n/a	801	18	16	
0.50 to <0.75	1,219	2,106	57	2,419	0.62	463,114	83	n/a	563	23	12	
0.75 to <2.50	4,403	5,248	58	7,467	1.30	1,434,041	86	n/a	3,164	42	84	
2.50 to <10.00	5,376	927	73	6,048	4.22	884,259	88	n/a	6,027	100	225	
10.00 to <100.00	551	205	48	649	32.55	172,105	87	n/a	1,606	247	185	
100.00 (Default)	33	-	n/a	33	100.00	10,486	83	n/a	21	64	26	
	18,181	81,781	67	73,017	0.92	10,618,761	89	n/a	14,454	20	583	1,279
<b>Other retail</b>												
0.00 to <0.15	1,329	1,593	79	2,592	0.09	44,022	44	n/a	228	9	1	
0.15 to <0.25	361	652	55	722	0.19	11,590	75	n/a	221	31	1	
0.25 to <0.50	4,067	745	53	4,465	0.29	184,857	68	n/a	1,676	38	9	
0.50 to <0.75	822	1,036	58	1,418	0.66	48,320	70	n/a	875	62	6	
0.75 to <2.50	5,941	270	58	6,095	1.22	155,413	69	n/a	4,817	79	52	
2.50 to <10.00	2,262	89	72	2,327	3.85	120,412	50	n/a	1,783	77	51	
10.00 to <100.00	740	308	45	880	63.63	221,649	22	n/a	426	48	62	
100.00 (Default)	56	1	n/a	56	100.00	14,314	75	n/a	90	161	38	
	15,578	4,694	63	18,555	4.30	800,577	61	n/a	10,116	55	220	116
<b>Total (all portfolios)</b>	<b>552,286</b>	<b>361,960</b>	<b>60</b>	<b>798,208</b>	<b>0.68</b>	<b>12,881,354</b>	<b>33</b>	<b>n/a</b>	<b>149,445</b>	<b>19</b>	<b>1,962</b>	<b>2,298</b>

(1) Amounts are calculated after taking into consideration the effect of CRM 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 for retail exposures.

(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 PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q3/21											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Business and government portfolios</b>												
<b>Corporate</b>												
0.00 to <0.15	17,879	25,236	73	36,302	0.08	2,104	30	2.1	6,797	19	9	
0.15 to <0.25	28,463	35,431	67	52,101	0.20	4,696	37	2.4	20,150	39	38	
0.25 to <0.50	17,035	17,500	60	27,499	0.33	4,001	37	2.2	12,803	47	34	
0.50 to <0.75	27,565	20,766	50	37,956	0.64	4,155	35	2.2	22,124	58	83	
0.75 to <2.50	12,721	9,350	51	17,527	1.37	4,764	36	2.0	13,211	75	87	
2.50 to <10.00	9,536	6,692	47	12,691	4.27	20,043	32	2.0	12,250	97	171	
10.00 to <100.00	840	568	53	1,138	26.85	337	35	1.8	2,066	182	110	
100.00 (Default)	755	78	57	799	100.00	919	58	1.6	1,888	236	417	
	114,794	115,621	62	186,013	1.26	41,019	35	2.2	91,289	49	949	791
<b>Sovereign</b>												
0.00 to <0.15	116,620	14,986	67	126,657	0.02	1,102	7	2.5	2,191	2	2	
0.15 to <0.25	222	87	67	281	0.23	50	26	2.4	78	28	1	
0.25 to <0.50	267	154	61	361	0.33	66	29	3.5	144	40	1	
0.50 to <0.75	42	27	68	61	0.58	42	61	1.1	47	77	-	
0.75 to <2.50	42	10	63	49	1.41	20	25	1.7	25	51	-	
2.50 to <10.00	32	5	75	36	3.45	274	11	2.0	12	33	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	117,225	15,269	67	127,445	0.02	1,554	7	2.5	2,497	2	4	1
<b>Banks</b>												
0.00 to <0.15	9,751	58,548	99	67,540	0.05	440	10	0.3	1,958	3	4	
0.15 to <0.25	747	3,067	85	3,346	0.18	57	14	0.8	358	11	1	
0.25 to <0.50	23	132	64	108	0.33	21	15	0.8	18	17	-	
0.50 to <0.75	467	436	85	837	0.68	29	21	0.8	252	30	1	
0.75 to <2.50	169	36	79	197	1.41	18	29	1.6	129	65	1	
2.50 to <10.00	923	181	96	1,095	5.62	134	19	1.7	721	66	12	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	12,080	62,400	98	73,123	0.15	699	10	0.3	3,436	5	19	1

For footnotes, see page 27.

**CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>**

(\$ millions)

	Q3/21											
	a	b	c	d	e	f	g	h	i	i	k	l
	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>PD scale</b>												
<b>Retail portfolios</b>												
<b>Real estate secured personal lending (insured)</b>												
0.00 to <0.15	61,415	-	n/a	61,415	0.01	309,176	6	n/a	1,095	2	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)	-	-	-	-	-	-	-	-	-	-	-	-
	61,415	-	n/a	61,415	0.01	309,176	6	n/a	1,095	2	1	15
<b>Real estate secured personal lending (uninsured)</b>												
0.00 to <0.15	108,472	52,394	47	133,300	0.10	720,602	21	n/a	6,243	5	24	
0.15 to <0.25	29,847	15,825	68	40,677	0.18	194,985	23	n/a	3,835	9	18	
0.25 to <0.50	23,793	200	38	23,867	0.33	66,821	20	n/a	2,961	12	16	
0.50 to <0.75	14,444	15	47	14,451	0.58	38,882	18	n/a	2,415	17	15	
0.75 to <2.50	12,331	852	30	12,589	1.15	59,650	23	n/a	4,270	34	34	
2.50 to <10.00	3,212	234	26	3,274	5.95	14,087	20	n/a	2,410	74	36	
10.00 to <100.00	441	17	35	447	37.71	2,267	21	n/a	542	121	33	
100.00 (Default)	302	29	-	302	100.00	1,905	22	n/a	381	126	40	
	192,842	69,566	52	228,907	0.51	1,099,199	21	n/a	23,057	10	216	168
<b>Qualifying revolving retail</b>												
0.00 to <0.15	1,662	49,520	75	38,935	0.05	4,129,103	91	n/a	1,150	3	16	
0.15 to <0.25	3,625	15,783	55	12,255	0.18	1,693,338	86	n/a	1,081	9	19	
0.25 to <0.50	1,149	7,080	48	4,551	0.42	1,745,892	84	n/a	790	17	16	
0.50 to <0.75	1,202	2,180	58	2,469	0.62	464,041	83	n/a	577	23	13	
0.75 to <2.50	4,374	5,300	58	7,460	1.30	1,409,499	86	n/a	3,138	42	83	
2.50 to <10.00	5,233	946	72	5,914	4.25	871,737	88	n/a	5,859	99	218	
10.00 to <100.00	530	201	48	627	32.46	166,939	86	n/a	1,519	242	175	
100.00 (Default)	33	-	n/a	33	100.00	10,280	83	n/a	21	64	26	
	17,808	81,010	67	72,244	0.91	10,490,829	88	n/a	14,135	20	566	1,185
<b>Other retail</b>												
0.00 to <0.15	1,261	1,586	79	2,517	0.09	44,364	48	n/a	221	9	1	
0.15 to <0.25	353	605	56	691	0.19	11,533	74	n/a	210	30	1	
0.25 to <0.50	3,860	762	53	4,266	0.29	176,463	68	n/a	1,610	38	9	
0.50 to <0.75	823	1,016	58	1,409	0.66	48,581	70	n/a	868	62	6	
0.75 to <2.50	5,912	286	57	6,073	1.23	156,043	69	n/a	4,840	80	53	
2.50 to <10.00	2,076	94	67	2,139	3.92	120,220	54	n/a	1,773	83	50	
10.00 to <100.00	684	289	45	815	61.61	218,163	24	n/a	420	52	59	
100.00 (Default)	55	-	n/a	55	100.00	11,314	75	n/a	90	164	37	
	15,024	4,638	63	17,965	4.13	786,681	62	n/a	10,032	56	216	135
<b>Total (all portfolios)</b>	<b>531,188</b>	<b>348,504</b>	<b>60</b>	<b>767,112</b>	<b>0.68</b>	<b>12,729,157</b>	<b>34</b>	<b>n/a</b>	<b>145,541</b>	<b>19</b>	<b>1,971</b>	<b>2,296</b>

For footnotes, see page 28.



## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q2/21											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Business and government portfolios</b>												
<b>Corporate</b>												
0.00 to <0.15	14,825	23,482	72	31,742	0.08	2,066	29	2.0	5,794	18	9	
0.15 to <0.25	24,524	33,311	66	46,669	0.19	4,352	39	2.2	17,488	37	35	
0.25 to <0.50	15,402	15,892	60	24,893	0.33	3,834	37	2.1	11,347	46	30	
0.50 to <0.75	26,249	20,758	51	36,767	0.63	4,092	35	2.1	21,534	59	82	
0.75 to <2.50	13,231	9,190	52	17,977	1.37	4,908	35	1.9	13,130	73	88	
2.50 to <10.00	9,945	6,936	47	13,205	4.34	19,336	33	2.0	13,161	100	185	
10.00 to <100.00	1,237	595	50	1,537	24.12	356	33	1.8	2,608	170	121	
100.00 (Default)	1,073	112	51	1,130	100.00	931	56	1.7	2,871	254	513	
	106,486	110,276	61	173,920	1.58	39,875	35	2.1	87,933	51	1,063	994
<b>Sovereign</b>												
0.00 to <0.15	111,669	14,516	67	121,461	0.02	1,116	7	2.5	2,068	2	2	
0.15 to <0.25	223	174	71	346	0.23	53	26	2.0	90	26	1	
0.25 to <0.50	90	109	62	158	0.33	60	49	2.3	99	63	1	
0.50 to <0.75	72	40	66	99	0.64	46	53	2.2	84	85	-	
0.75 to <2.50	38	13	61	46	1.41	20	26	1.3	25	54	-	
2.50 to <10.00	25	5	76	29	3.23	274	13	2.3	12	41	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	112,117	14,857	67	122,139	0.02	1,569	7	2.5	2,378	2	4	1
<b>Banks</b>												
0.00 to <0.15	10,223	63,367	99	72,823	0.05	453	10	0.2	1,995	3	4	
0.15 to <0.25	749	2,799	83	3,075	0.18	61	7	0.8	157	5	1	
0.25 to <0.50	42	190	67	170	0.33	24	26	0.6	47	28	-	
0.50 to <0.75	194	249	86	408	0.69	25	17	0.6	95	23	-	
0.75 to <2.50	30	74	88	96	1.41	9	25	0.4	51	53	-	
2.50 to <10.00	751	189	96	933	5.50	114	10	2.1	353	38	6	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	11,989	66,868	98	77,505	0.13	686	10	0.3	2,698	3	11	-

For footnotes, see page 27.

CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q2/21											
	a	b	c	d	e	f	g	h	i	j	k	l
	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Retail portfolios</b>												
<b>Real estate secured personal lending (insured)</b>												
0.00 to <0.15	63,725	-	n/a	63,725	0.01	323,154	6	n/a	1,108	2	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)	-	-	-	-	-	-	-	-	-	-	-	
	63,725	-	n/a	63,725	0.01	323,154	6	n/a	1,108	2	1	21
<b>Real estate secured personal lending (uninsured)</b>												
0.00 to <0.15	100,194	50,607	47	124,031	0.09	695,359	22	n/a	5,971	5	23	
0.15 to <0.25	28,184	15,938	71	39,564	0.18	188,522	24	n/a	3,880	10	18	
0.25 to <0.50	23,043	197	38	23,117	0.33	67,648	21	n/a	2,972	13	16	
0.50 to <0.75	12,861	16	44	12,869	0.58	36,486	18	n/a	2,166	17	14	
0.75 to <2.50	12,433	799	31	12,678	1.16	60,071	24	n/a	4,455	35	35	
2.50 to <10.00	3,340	224	27	3,400	5.85	14,931	21	n/a	2,558	75	39	
10.00 to <100.00	402	19	37	409	35.60	2,418	23	n/a	539	132	30	
100.00 (Default)	409	25	-	409	100.00	2,341	23	n/a	544	133	54	
	180,866	67,825	53	216,477	0.57	1,067,776	22	n/a	23,085	11	229	220
<b>Qualifying revolving retail</b>												
0.00 to <0.15	1,682	48,969	75	38,583	0.05	4,072,907	90	n/a	1,140	3	16	
0.15 to <0.25	3,682	15,600	55	12,253	0.18	1,673,483	86	n/a	1,080	9	19	
0.25 to <0.50	1,226	6,995	48	4,617	0.42	1,717,759	84	n/a	803	17	16	
0.50 to <0.75	1,211	2,142	58	2,451	0.62	460,171	83	n/a	572	23	13	
0.75 to <2.50	4,535	5,267	58	7,602	1.30	1,405,348	86	n/a	3,211	42	85	
2.50 to <10.00	5,508	943	72	6,191	4.20	898,051	88	n/a	6,107	99	227	
10.00 to <100.00	535	201	46	628	32.91	162,641	87	n/a	1,523	243	178	
100.00 (Default)	41	-	n/a	41	100.00	10,997	83	n/a	26	63	32	
	18,420	80,117	67	72,366	0.94	10,401,357	88	n/a	14,462	20	586	1,138
<b>Other retail</b>												
0.00 to <0.15	2,314	1,570	79	3,548	0.10	44,011	34	n/a	221	6	1	
0.15 to <0.25	353	599	56	686	0.19	11,620	74	n/a	209	30	1	
0.25 to <0.50	3,786	752	54	4,191	0.29	172,460	69	n/a	1,591	38	8	
0.50 to <0.75	826	971	57	1,376	0.66	49,459	70	n/a	848	62	6	
0.75 to <2.50	5,670	266	58	5,823	1.22	150,939	69	n/a	4,638	80	51	
2.50 to <10.00	2,437	97	70	2,505	3.81	122,154	47	n/a	1,800	72	51	
10.00 to <100.00	666	277	46	794	59.41	206,851	25	n/a	443	56	60	
100.00 (Default)	58	-	n/a	58	100.00	14,121	75	n/a	95	164	40	
	16,110	4,532	63	18,981	3.81	771,615	58	n/a	9,845	52	218	169
<b>Total (all portfolios)</b>	<b>509,713</b>	<b>344,475</b>	<b>61</b>	<b>745,113</b>	<b>0.71</b>	<b>12,606,032</b>	<b>34</b>	<b>n/a</b>	<b>141,509</b>	<b>19</b>	<b>2,112</b>	<b>2,543</b>

For footnotes, see page 28.

## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q1/21											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Business and government portfolios</b>												
<b>Corporate</b>												
0.00 to <0.15	14,357	24,135	72	31,762	0.08	2,009	30	1.9	5,863	18	9	
0.15 to <0.25	22,685	29,961	67	42,624	0.19	4,197	40	2.2	16,262	38	33	
0.25 to <0.50	15,006	13,678	61	23,325	0.33	3,759	36	2.1	10,413	45	27	
0.50 to <0.75	26,087	21,121	51	36,768	0.63	3,976	36	2.1	21,742	59	83	
0.75 to <2.50	18,580	13,717	50	25,416	1.68	5,682	34	1.9	19,114	75	144	
2.50 to <10.00	4,100	2,682	48	5,382	7.08	18,270	32	2.1	6,443	120	123	
10.00 to <100.00	1,559	851	52	1,999	24.03	362	32	1.9	3,330	167	150	
100.00 (Default)	1,156	195	47	1,247	100.00	924	54	1.9	2,780	223	562	
	103,530	106,340	61	168,523	1.75	39,179	36	2.1	85,947	51	1,131	1,083
<b>Sovereign</b>												
0.00 to <0.15	128,109	14,363	67	137,733	0.02	1,136	7	2.3	2,053	1	2	
0.15 to <0.25	196	163	71	312	0.23	47	25	2.2	83	27	1	
0.25 to <0.50	68	119	61	141	0.33	56	49	2.6	96	68	1	
0.50 to <0.75	59	30	71	81	0.63	43	49	2.9	72	89	-	
0.75 to <2.50	65	21	63	78	1.75	37	22	1.6	37	47	-	
2.50 to <10.00	5	1	65	6	6.30	260	35	1.1	7	117	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	128,502	14,697	67	138,351	0.02	1,579	7	2.3	2,348	2	4	1
<b>Banks</b>												
0.00 to <0.15	11,280	60,797	99	71,392	0.05	437	10	0.2	2,080	3	4	
0.15 to <0.25	684	2,122	75	2,279	0.18	66	8	1.1	135	6	1	
0.25 to <0.50	11	185	72	145	0.33	22	22	0.7	35	24	-	
0.50 to <0.75	4	309	89	279	0.71	30	4	0.2	15	5	-	
0.75 to <2.50	34	100	90	124	1.44	15	23	0.3	59	48	-	
2.50 to <10.00	581	44	95	623	6.08	101	13	2.3	298	48	5	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	12,594	63,557	98	74,842	0.11	671	10	0.3	2,622	4	10	1

For footnotes, see page 27.

## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q1/21											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Retail portfolios</b>												
<b>Real estate secured personal lending (insured)</b>												
0.00 to <0.15	64,599	-	n/a	64,599	0.01	330,241	6	n/a	1,085	2	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)	-	-	-	-	-	-	-	-	-	-	-	
	64,599	-	n/a	64,599	0.01	330,241	6	n/a	1,085	2	1	18
<b>Real estate secured personal lending (uninsured)</b>												
0.00 to <0.15	91,750	49,280	47	114,966	0.07	665,987	22	n/a	4,544	4	17	
0.15 to <0.25	27,034	13,421	66	35,949	0.18	184,913	24	n/a	3,514	10	16	
0.25 to <0.50	22,417	208	38	22,498	0.33	68,364	21	n/a	2,923	13	16	
0.50 to <0.75	13,447	17	41	13,454	0.57	36,926	18	n/a	2,300	17	15	
0.75 to <2.50	13,237	801	31	13,487	1.17	65,993	24	n/a	4,794	36	38	
2.50 to <10.00	2,935	189	28	2,987	5.61	13,058	21	n/a	2,271	76	34	
10.00 to <100.00	585	21	33	592	36.92	2,955	22	n/a	735	124	44	
100.00 (Default)	421	22	-	421	100.00	2,499	24	n/a	582	138	56	
	171,826	63,959	51	204,354	0.62	1,040,695	22	n/a	21,663	11	236	195
<b>Qualifying revolving retail</b>												
0.00 to <0.15	1,390	47,821	76	37,599	0.05	3,968,648	91	n/a	1,114	3	16	
0.15 to <0.25	3,598	15,670	55	12,274	0.18	1,651,001	86	n/a	1,080	9	19	
0.25 to <0.50	1,177	7,047	48	4,588	0.42	1,716,814	84	n/a	795	17	16	
0.50 to <0.75	1,229	2,142	58	2,463	0.62	463,439	83	n/a	574	23	13	
0.75 to <2.50	4,550	5,223	59	7,616	1.31	1,402,065	86	n/a	3,212	42	85	
2.50 to <10.00	5,582	967	73	6,288	4.19	929,948	88	n/a	6,291	100	238	
10.00 to <100.00	655	204	47	750	37.00	188,603	87	n/a	1,900	253	251	
100.00 (Default)	38	-	n/a	38	100.00	10,839	83	n/a	24	63	30	
	18,219	79,074	68	71,616	1.05	10,331,357	88	n/a	14,990	21	668	1,281
<b>Other retail</b>												
0.00 to <0.15	2,098	1,552	79	3,318	0.10	42,864	35	n/a	216	7	1	
0.15 to <0.25	2,628	563	56	2,941	0.21	125,346	69	n/a	888	30	4	
0.25 to <0.50	1,646	768	55	2,068	0.43	72,641	72	n/a	1,025	50	6	
0.50 to <0.75	350	962	57	900	0.67	14,877	66	n/a	527	59	4	
0.75 to <2.50	5,372	292	58	5,541	1.21	153,326	70	n/a	4,460	80	48	
2.50 to <10.00	2,487	104	68	2,558	3.95	129,271	51	n/a	1,994	78	58	
10.00 to <100.00	720	254	45	833	60.78	219,476	28	n/a	563	68	77	
100.00 (Default)	78	-	n/a	78	100.00	9,894	72	n/a	85	109	57	
	15,379	4,495	64	18,237	4.26	767,695	59	n/a	9,758	54	255	202
<b>Total (all portfolios)</b>	514,649	332,122	60	740,522	0.78	12,511,417	34	n/a	138,413	19	2,305	2,781

For footnotes, see page 28.

## CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q4/20											
	a	b	c	d	e	f	g	h	i	i	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>Business and government portfolios</b>												
<b>Corporate</b>												
0.00 to <0.15	14,199	23,371	74	31,429	0.08	2,044	31	1.8	5,766	18	9	
0.15 to <0.25	21,129	29,331	67	40,719	0.19	4,096	41	2.3	16,012	39	32	
0.25 to <0.50	16,085	13,489	61	24,297	0.33	3,773	36	2.2	11,311	47	29	
0.50 to <0.75	24,761	20,415	51	35,107	0.64	3,892	36	2.2	21,425	61	81	
0.75 to <2.50	18,619	12,982	50	25,048	1.69	5,624	34	2.0	18,698	75	141	
2.50 to <10.00	4,203	2,484	48	5,398	6.98	18,453	33	2.1	6,460	120	125	
10.00 to <100.00	2,042	944	51	2,521	23.79	361	30	2.1	3,982	158	183	
100.00 (Default)	948	139	56	1,025	100.00	828	49	1.8	1,417	138	485	
	101,986	103,155	62	165,544	1.71	39,071	36	2.1	85,071	51	1,085	989
<b>Sovereign</b>												
0.00 to <0.15	132,194	14,378	67	141,819	0.02	1,161	6	2.4	2,038	1	2	
0.15 to <0.25	158	126	73	250	0.23	47	26	1.8	62	25	-	
0.25 to <0.50	82	114	60	151	0.33	54	49	2.8	102	68	-	
0.50 to <0.75	598	282	39	709	0.73	40	11	-	105	15	1	
0.75 to <2.50	43	13	66	52	1.92	37	16	1.8	20	38	-	
2.50 to <10.00	2	2	65	3	6.82	266	18	1.6	2	67	-	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	133,077	14,915	66	142,984	0.02	1,605	6	2.4	2,329	2	3	1
<b>Banks</b>												
0.00 to <0.15	11,457	60,035	99	70,754	0.05	471	10	0.3	2,081	3	4	
0.15 to <0.25	690	2,147	77	2,346	0.18	57	7	1.2	122	5	-	
0.25 to <0.50	9	179	71	136	0.33	21	22	0.9	29	21	-	
0.50 to <0.75	8	161	78	133	0.68	32	8	0.3	14	11	-	
0.75 to <2.50	29	99	86	114	1.42	13	24	0.4	59	52	-	
2.50 to <10.00	653	29	80	676	6.08	117	11	2.4	284	42	6	
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-	
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-	
	12,846	62,650	98	74,159	0.12	711	10	0.3	2,589	3	10	-

For footnotes, see page 27.

CR6: IRB - CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE (continued) <sup>(1)</sup>

(\$ millions)

	Q4/20											
	a	b	c	d	e	f	g	h	i	j	k	l
	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 <sup>(2)</sup>	Average LGD %	Average maturity <sup>(3)</sup>	RWA <sup>(4)</sup>	RWA density %	Expected losses <sup>(5)</sup>	Provisions <sup>(5)</sup>
<b>PD scale</b>												
<b>Retail portfolios</b>												
<b>Real estate secured personal lending (insured)</b>												
0.00 to <0.15	67,048	-	n/a	67,048	0.01	343,615	6	n/a	1,104	2	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)	-	-	-	-	-	-	-	-	-	-	-	-
	67,048	-	n/a	67,048	0.01	343,615	6	n/a	1,104	2	1	19
<b>Real estate secured personal lending (uninsured)</b>												
0.00 to <0.15	86,820	48,104	47	109,289	0.07	644,473	22	n/a	4,355	4	16	
0.15 to <0.25	26,513	12,893	66	35,028	0.18	180,521	25	n/a	3,470	10	16	
0.25 to <0.50	21,531	212	38	21,612	0.33	67,046	21	n/a	2,847	13	15	
0.50 to <0.75	12,073	17	41	12,080	0.58	34,152	18	n/a	2,033	17	13	
0.75 to <2.50	13,503	819	31	13,760	1.17	69,098	24	n/a	4,993	36	39	
2.50 to <10.00	3,017	199	27	3,071	5.55	13,762	22	n/a	2,379	77	36	
10.00 to <100.00	579	18	39	586	37.00	2,836	22	n/a	745	127	44	
100.00 (Default)	443	24	-	443	100.00	2,592	24	n/a	620	140	60	
	164,479	62,286	50	195,869	0.65	1,014,480	23	n/a	21,442	11	239	206
<b>Qualifying revolving retail</b>												
0.00 to <0.15	1,546	47,529	75	37,275	0.05	4,366,343	90	n/a	1,103	3	15	
0.15 to <0.25	3,700	15,420	57	12,517	0.18	1,655,530	85	n/a	1,088	9	19	
0.25 to <0.50	1,173	5,863	56	4,432	0.41	1,109,796	84	n/a	758	17	16	
0.50 to <0.75	1,256	2,387	64	2,786	0.61	603,998	79	n/a	615	22	14	
0.75 to <2.50	4,601	5,184	61	7,774	1.32	1,438,069	85	n/a	3,248	42	85	
2.50 to <10.00	5,756	973	74	6,475	4.19	880,473	88	n/a	6,481	100	242	
10.00 to <100.00	634	270	47	763	33.38	212,203	85	n/a	2,006	263	243	
100.00 (Default)	35	-	n/a	35	100.00	10,001	81	n/a	54	154	24	
	18,701	77,626	69	72,057	1.02	10,276,413	87	n/a	15,353	21	658	1,334
<b>Other retail</b>												
0.00 to <0.15	1,992	1,510	79	3,179	0.10	42,688	36	n/a	212	7	1	
0.15 to <0.25	2,658	522	57	2,958	0.21	122,982	69	n/a	896	30	4	
0.25 to <0.50	1,639	678	55	2,013	0.43	74,430	72	n/a	1,009	50	6	
0.50 to <0.75	353	906	57	869	0.67	11,221	66	n/a	511	59	4	
0.75 to <2.50	5,148	252	59	5,297	1.20	148,738	71	n/a	4,272	81	46	
2.50 to <10.00	2,302	92	67	2,364	4.00	132,572	54	n/a	1,958	83	57	
10.00 to <100.00	707	448	59	973	49.31	199,802	26	n/a	626	64	86	
100.00 (Default)	70	-	n/a	70	100.00	9,943	73	n/a	79	113	53	
	14,869	4,408	65	17,723	4.13	742,376	59	n/a	9,563	54	257	192
<b>Total (all portfolios)</b>	<b>513,006</b>	<b>325,040</b>	<b>61</b>	<b>735,384</b>	<b>0.78</b>	<b>12,418,271</b>	<b>34</b>	<b>n/a</b>	<b>137,451</b>	<b>19</b>	<b>2,253</b>	<b>2,741</b>

For footnotes, see page 28.

## CR9: IRB - BACKTESTING OF PD PER PORTFOLIO <sup>(1)</sup>

\$ millions	Q4/21								
a	b	c	d	e	f Number of obligors		g	h	i
		External rating equivalent	Weighted average PD %	Arithmetic average PD by obligors %	End of previous year	End of the year	Defaulted obligors in the year	Of which: new defaulted obligors in the year	Average historical annual default rate % <sup>(2)</sup>
<b>Business and government portfolios</b>									
<b>Corporate</b>									
	PD Range								
	0.01 to <0.04	AAA	0.03	0.03	22	25	-	-	-
	0.04 to <0.07	AA	0.05	0.04	71	75	-	-	-
	0.07 to <0.14	A	0.10	0.09	1,520	1,597	2	1	0.08
	0.14 to <0.35	BBB	0.24	0.25	5,709	6,560	8	5	0.13
	0.35 to <1.45	BB	0.83	0.85	7,365	7,624	13	9	0.28
	1.45 to <11.00	B	4.13	5.11	22,086	23,465	46	35	0.10
	Over 11%	C	43.75	42.91	1,470	2,453	269	45	7.62
			<b>2.11</b>	<b>3.83</b>	<b>38,243</b>	<b>41,799</b>	<b>338</b>	<b>95</b>	<b>0.61</b>
<b>Sovereign</b>									
	0.01 to <0.02	AAA	0.01	0.02	621	496	-	-	-
	0.02 to <0.04	AA	0.03	0.03	367	103	-	-	0.11
	0.04 to <0.14	A	0.05	0.05	80	425	-	-	-
	0.14 to <0.35	BBB	0.21	0.23	217	221	-	-	-
	0.35 to <1.45	BB	0.74	0.79	106	101	-	-	0.20
	1.45 to <11.00	B	5.60	5.46	207	212	-	-	0.17
	Over 11%	C	57.73	41.62	7	7	2	1	4.52
			<b>0.03</b>	<b>0.83</b>	<b>1,605</b>	<b>1,565</b>	<b>2</b>	<b>1</b>	<b>0.10</b>
<b>Banks</b>									
	0.01 to <0.04	AAA	0.03	0.03	144	157	-	-	-
	0.04 to <0.07	AA	0.04	0.04	71	38	-	-	-
	0.07 to <0.14	A	0.08	0.08	311	329	-	-	-
	0.14 to <0.35	BBB	0.22	0.24	74	39	-	-	0.28
	0.35 to <1.45	BB	0.93	0.56	38	34	-	-	-
	1.45 to <11.00	B	6.08	6.08	73	115	1	1	0.22
	Over 11%	C	-	-	-	-	-	-	-
			<b>0.99</b>	<b>4.52</b>	<b>711</b>	<b>712</b>	<b>1</b>	<b>1</b>	<b>0.08</b>

(1) Amounts are calculated before taking into consideration the effect of CRM strategies, including guarantees.

(2) Reflects a five-year average of the annual default rate.

## CR9: IRB - BACKTESTING OF PD PER PORTFOLIO (continued) <sup>(1)</sup>

\$ millions	Q4/21								
a	b	c	d	e	f Number of obligors <sup>(2)</sup>		g	h	i
	PD Range	External rating equivalent	Weighted average PD %	Arithmetic average PD by obligors %	End of previous year	End of the year	Defaulted obligors in the year	Of which: new defaulted obligors in the year	Average historical annual default rate % <sup>(3)</sup>
<b>Retail portfolios</b>									
<b>Real estate secured personal lending</b>									
	0.01 to <0.04	AAA	0.03	0.03	212,399	111,362	57	-	0.01
	0.04 to <0.07	AA	0.05	0.05	366,028	92,268	192	-	0.03
	0.07 to <0.14	A	0.10	0.10	256,714	369,894	256	22	0.05
	0.14 to <0.35	BBB	0.21	0.19	346,923	682,275	570	39	0.09
	0.35 to <1.45	BB	0.89	0.96	155,421	152,688	1,252	28	0.75
	1.45 to <11.00	B	5.79	5.26	28,458	19,919	653	7	4.48
	Over 11%	C	38.46	35.19	4,313	3,344	342	3	29.51
			<b>0.37</b>	<b>0.59</b>	<b>1,370,256</b>	<b>1,431,750</b>	<b>3,322</b>	<b>99</b>	<b>0.48</b>
<b>Qualifying revolving retail</b>									
	0.01 to <0.02	AAA	0.03	0.03	1,432,477	1,553,688	117	-	0.02
	0.02 to <0.04	AA	0.05	0.05	1,266,179	1,323,197	49	-	0.03
	0.04 to <0.14	A	0.08	0.08	1,667,687	1,151,747	1,398	21	0.06
	0.14 to <0.35	BBB	0.18	0.19	2,153,346	2,305,841	3,880	4	0.15
	0.35 to <1.45	BB	0.82	0.70	2,200,772	2,723,580	6,684	162	0.65
	1.45 to <11.00	B	3.66	3.67	1,333,748	1,378,117	8,567	718	3.50
	Over 11%	C	32.57	30.82	212,203	172,105	3,832	901	29.20
			<b>0.87</b>	<b>1.32</b>	<b>10,266,412</b>	<b>10,608,275</b>	<b>24,527</b>	<b>1,806</b>	<b>1.24</b>
<b>Other retail</b>									
	0.01 to <0.04	AAA	0.03	0.03	4,410	4,545	-	-	0.01
	0.04 to <0.07	AA	0.05	0.05	810	936	1	-	0.05
	0.07 to <0.14	A	0.13	0.09	37,442	26,531	38	4	0.06
	0.14 to <0.35	BBB	0.26	0.26	128,397	186,532	168	28	0.23
	0.35 to <1.45	BB	0.97	0.87	171,006	170,674	669	201	0.70
	1.45 to <11.00	B	3.13	3.82	190,632	175,463	1,998	360	3.50
	Over 11%	C	66.69	19.48	199,736	221,582	32,161	25,336	18.15
			<b>4.81</b>	<b>8.85</b>	<b>732,433</b>	<b>786,263</b>	<b>35,035</b>	<b>25,929</b>	<b>8.25</b>

- (1) Amounts are calculated before taking into consideration the effect of CRM strategies, including guarantees.  
(2) The number of obligors for retail products reflects account level information rather than individual borrowers.  
(3) Reflects a five-year average of the annual default rate.



## CR10: IRB (SPECIALIZED LENDING AND EQUITIES UNDER THE SIMPLE RISK-WEIGHT METHOD) <sup>(1)</sup>

(\$ millions)		Q4/21									
		Specialized lending									
		Other than high volatility commercial real estate <sup>(2)</sup>									
Regulatory categories	Remaining maturity	On- balance sheet amount	Off- balance sheet amount	Risk- weight %	Exposure amount				Total	RWA	Expected losses
					Project finance	Object finance	Commodities finance	Income- producing real estate			
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	571	9	70	-	-	-	574	574	426	2
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	113	-	90	-	-	-	113	113	108	1
Satisfactory		29	-	115	-	-	-	29	29	35	1
Weak		-	-	250	-	-	-	-	-	-	-
Default		-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>713</b>	<b>9</b>		-	-	-	<b>716</b>	<b>716</b>	<b>569</b>	<b>4</b>

(\$ millions)		Q3/21									
		Specialized lending									
		Other than high volatility commercial real estate <sup>(2)</sup>									
Regulatory categories	Remaining maturity	On- balance sheet amount	Off- balance sheet amount	Risk- weight %	Exposure amount				Total	RWA	Expected losses
					Project finance	Object finance	Commodities finance	Income- producing real estate			
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	356	83	70	-	-	-	397	397	294	2
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	97	-	90	-	-	-	97	97	92	1
Satisfactory		20	-	115	-	-	-	20	20	25	-
Weak		-	-	250	-	-	-	-	-	-	-
Default		-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>473</b>	<b>83</b>		-	-	-	<b>514</b>	<b>514</b>	<b>411</b>	<b>3</b>

(\$ millions)		Q2/21									
		Specialized lending									
		Other than high volatility commercial real estate <sup>(2)</sup>									
Regulatory categories	Remaining maturity	On- balance sheet amount	Off- balance sheet amount	Risk- weight %	Exposure amount				Total	RWA	Expected losses
					Project finance	Object finance	Commodities finance	Income- producing real estate			
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	377	17	70	-	-	-	385	385	286	2
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	103	-	90	-	-	-	103	103	98	1
Satisfactory		19	-	115	-	-	-	19	19	23	-
Weak		-	-	250	-	-	-	-	-	-	-
Default		-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>499</b>	<b>17</b>		-	-	-	<b>507</b>	<b>507</b>	<b>407</b>	<b>3</b>

(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.

CR10: IRB (SPECIALIZED LENDING AND EQUITIES UNDER THE SIMPLE RISK-WEIGHT METHOD) (continued) <sup>(1)</sup>

(\$ millions)

		Q1/21									
		Specialized lending									
		Other than high volatility commercial real estate <sup>(2)</sup>									
Regulatory categories	Remaining maturity	On-balance sheet amount	Off-balance sheet amount	Risk weight %	Exposure amount				Total	RWA	Expected losses
					Project finance	Object finance	Commodities finance	Income-producing real estate			
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	292	21	70	-	-	-	303	303	224	1
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	72	-	90	-	-	-	72	72	69	1
Satisfactory		19	-	115	-	-	-	19	19	24	-
Weak		-	-	250	-	-	-	-	-	-	-
Default		-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>383</b>	<b>21</b>					<b>394</b>	<b>394</b>	<b>317</b>	<b>2</b>

(\$ millions)

		Q4/20									
		Specialized lending									
		Other than high volatility commercial real estate <sup>(2)</sup>									
Regulatory categories	Remaining maturity	On-balance sheet amount	Off-balance sheet amount	Risk weight %	Exposure amount				Total	RWA	Expected losses
					Project finance	Object finance	Commodities finance	Income-producing real estate			
Strong	Less than 2.5 years	-	-	50	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	265	2	70	-	-	-	265	265	198	1
Good	Less than 2.5 years	-	-	70	-	-	-	-	-	-	-
	Equal to or more than 2.5 years	71	2	90	-	-	-	71	71	69	1
Satisfactory		20	-	115	-	-	-	20	20	24	-
Weak		-	-	250	-	-	-	-	-	-	-
Default		-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>356</b>	<b>4</b>					<b>356</b>	<b>356</b>	<b>291</b>	<b>2</b>

For footnotes, see page 39.

## CCR1: ANALYSIS OF COUNTERPARTY CREDIT RISK EXPOSURE BY APPROACH <sup>(1)</sup>

(\$ millions)

	Q4/21					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	Effective expected positive exposure	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	124	542		1.4	930	347
2 IMM (for derivatives and SFTs)			14,486	1.4	20,188	6,402
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					16,703	3,501
5 Value at Risk (VaR) for SFTs					-	-
6 Total						10,250

(\$ millions)

	Q3/21					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	Effective expected positive exposure	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	131	669		1.4	1,116	415
2 IMM (for derivatives and SFTs)			14,346	1.4	19,991	6,509
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					15,746	3,193
5 VaR for SFTs					-	-
6 Total						10,117

(\$ millions)

	Q2/21					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	Effective expected positive exposure	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	152	597		1.4	1,046	347
2 IMM (for derivatives and SFTs)			12,043	1.4	17,028	5,752
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					16,837	3,104
5 VaR for SFTs					-	-
6 Total						9,203

(1) Excludes RWA relating to CVA charges and exposures and RWA arising from transactions cleared through QCCPs.

## CCR1: ANALYSIS OF COUNTERPARTY CREDIT RISK EXPOSURE BY APPROACH <sup>(1)</sup>

(\$ millions)

	Q1/21					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	Effective expected positive exposure	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	65	513		1.4	808	208
2 IMM (for derivatives and SFTs)			12,697	1.4	17,662	6,236
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					16,863	3,004
5 VaR for SFTs					-	-
6 Total						9,448

(\$ millions)

	Q4/20					
	a	b	c	d	e	f
	Replacement cost	Potential future exposure	Effective expected positive exposure	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1 SA-CCR (for derivatives)	126	680		1.4	1,126	335
2 IMM (for derivatives and SFTs)			13,345	1.4	18,541	6,554
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)					14,969	2,619
5 VaR for SFTs					-	-
6 Total						9,508

For footnotes, see page 41.

## CCR2: CVA CAPITAL CHARGE

(\$ millions)

	Q4/21		Q3/21		Q2/21	
	<u>a</u>	<u>b</u>	<u>a</u>	<u>b</u>	<u>a</u>	<u>b</u>
	EAD		EAD		EAD	
	post-CRM	RWA	post-CRM	RWA	post-CRM	RWA
<b>Total portfolios subject to the Advanced CVA capital charge</b>						
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	20,838	7,174	20,786	7,792	17,527	6,898
4 Total subject to the CVA capital charge	20,838	7,174	20,786	7,792	17,527	6,898

(\$ millions)

	Q1/21		Q4/20	
	<u>a</u>	<u>b</u>	<u>a</u>	<u>b</u>
	EAD		EAD	
	post-CRM	RWA	post-CRM	RWA
<b>Total portfolios subject to the Advanced CVA capital charge</b>				
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	18,239	7,181	19,332	7,202
4 Total subject to the CVA capital charge	18,239	7,181	19,332	7,202

## CCR3: SA - COUNTERPARTY CREDIT RISK EXPOSURES BY REGULATORY PORTFOLIO AND RISK-WEIGHTS <sup>(1)</sup>

(\$ millions)

	Q4/21								
	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	1	-	-	-	-	-	-	-	1
Non-central government public sector entities	-	-	-	-	-	-	-	-	-
Multilateral development banks	-	-	-	-	-	-	-	-	-
Banks	-	-	12	-	-	-	-	-	12
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	-	-	-	-	-	411	4	-	415
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>411</b>	<b>4</b>	<b>-</b>	<b>428</b>

(\$ millions)

	Q3/21								
	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	1	-	-	-	-	-	-	-	1
Non-central government public sector entities	-	-	-	-	-	-	-	-	-
Multilateral development banks	-	-	-	-	-	-	-	-	-
Banks	-	-	15	-	-	-	-	-	15
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	-	-	-	-	-	536	5	-	541
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>536</b>	<b>5</b>	<b>-</b>	<b>557</b>

(\$ millions)

	Q2/21								
	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	1	-	-	-	-	-	-	-	1
Non-central government public sector entities	-	-	-	-	-	-	-	-	-
Multilateral development banks	-	-	-	-	-	-	-	-	-
Banks	-	-	14	-	-	-	-	-	14
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	-	-	-	-	-	531	7	-	538
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>-</b>	<b>14</b>	<b>-</b>	<b>-</b>	<b>531</b>	<b>7</b>	<b>-</b>	<b>553</b>

(1) Amounts are calculated after taking into account the effect of credit mitigation strategies.

## CCR3: SA - COUNTERPARTY CREDIT RISK EXPOSURES BY REGULATORY PORTFOLIO AND RISK-WEIGHTS (continued) <sup>(1)</sup>

(\$ millions)

	Q1/21								
	a	b	c	d	e	f	g	h	i
	Risk weight								
	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
<b>Regulatory portfolio</b>									
Sovereigns	1	-	-	-	-	-	-	-	1
Non-central government public sector entities	-	-	-	-	-	-	-	-	-
Multilateral development banks	-	-	-	-	-	-	-	-	-
Banks	-	-	18	-	-	-	-	-	18
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	-	-	-	-	-	661	8	-	669
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>-</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>661</b>	<b>8</b>	<b>-</b>	<b>688</b>

(\$ millions)

	Q4/20								
	a	b	c	d	e	f	g	h	i
	Risk weight								
	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
<b>Regulatory portfolio</b>									
Sovereigns	2	-	-	-	-	-	-	-	2
Non-central government public sector entities	-	-	-	-	-	-	-	-	-
Multilateral development banks	-	-	-	-	-	-	-	-	-
Banks	-	-	21	-	-	-	-	-	21
Securities firms	-	-	-	-	-	-	-	-	-
Corporates	-	-	-	-	-	775	11	-	786
Regulatory retail portfolios	-	-	-	-	-	-	-	-	-
Other assets	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2</b>	<b>-</b>	<b>21</b>	<b>-</b>	<b>-</b>	<b>775</b>	<b>11</b>	<b>-</b>	<b>809</b>

For footnotes, see page 44.

## CCR4: IRB - COUNTERPARTY CREDIT RISK EXPOSURES BY PORTFOLIO AND PD SCALE

(\$ millions)

PD scale	Q4/21						
	a EAD post-CRM	b Average PD %	c Number of obligors <sup>(1)</sup>	d Average LGD %	e Average maturity <sup>(2)</sup>	f RWA	g RWA density %
<b>Corporate</b>							
0.00 to <0.15	7,716	0.08	999	24	0.7	734	10
0.15 to <0.25	4,437	0.19	915	32	1.5	1,190	27
0.25 to <0.50	1,786	0.33	405	35	1.7	711	40
0.50 to <0.75	3,866	0.64	1,018	35	0.7	2,070	54
0.75 to <2.50	2,990	1.41	697	20	1.0	1,335	45
2.50 to <10.00	2,373	4.12	1,117	19	1.1	1,427	60
10.00 to <100.00	107	30.47	82	23	1.0	135	126
100.00 (Default)	1	100.00	1	65	1.0	8	800
	<b>23,276</b>	<b>0.94</b>	<b>5,234</b>	<b>27</b>	<b>1.0</b>	<b>7,610</b>	<b>33</b>
<b>Sovereign</b>							
0.00 to <0.15	3,744	0.03	117	12	2.7	106	3
0.15 to <0.25	18	0.23	7	26	17.2	7	39
0.25 to <0.50	70	0.33	6	39	0.2	22	31
0.50 to <0.75	-	-	-	-	-	-	-
0.75 to <2.50	-	-	-	-	-	-	-
2.50 to <10.00	1	5.90	5	40	-	1	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	<b>3,833</b>	<b>0.04</b>	<b>135</b>	<b>13</b>	<b>2.8</b>	<b>136</b>	<b>4</b>
<b>Banks</b>							
0.00 to <0.15	8,800	0.06	149	40	0.8	1,359	15
0.15 to <0.25	881	0.19	62	40	2.1	358	41
0.25 to <0.50	72	0.33	17	44	1.6	48	67
0.50 to <0.75	406	0.63	41	40	-	196	48
0.75 to <2.50	59	1.41	9	41	-	51	86
2.50 to <10.00	66	2.65	37	40	0.2	72	109
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	<b>10,284</b>	<b>0.12</b>	<b>315</b>	<b>40</b>	<b>0.9</b>	<b>2,084</b>	<b>20</b>
<b>Total (all portfolios)</b>	<b>37,393</b>	<b>0.62</b>	<b>5,684</b>	<b>29</b>	<b>1.1</b>	<b>9,830</b>	<b>26</b>

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

(2) Denoted in years.



## CCR4: IRB - COUNTERPARTY CREDIT RISK EXPOSURES BY PORTFOLIO AND PD SCALE (continued)

(\$ millions)

PD scale	Q3/21						
	a EAD post-CRM	b Average PD %	c Number of obligors <sup>(1)</sup>	d Average LGD %	e Average maturity <sup>(2)</sup>	f RWA	g RWA density %
<b>Corporate</b>							
0.00 to <0.15	8,121	0.08	969	23	0.8	790	10
0.15 to <0.25	4,112	0.19	851	31	1.8	1,120	27
0.25 to <0.50	1,725	0.33	400	33	2.1	689	40
0.50 to <0.75	3,876	0.64	1,021	35	1.1	2,175	56
0.75 to <2.50	1,824	1.41	730	24	1.1	1,024	56
2.50 to <10.00	2,219	3.73	1,150	19	0.9	1,293	58
10.00 to <100.00	107	27.02	97	25	0.8	144	135
100.00 (Default)	2	100.00	2	65	1.0	15	750
	21,986	0.84	5,220	27	1.2	7,250	33
<b>Sovereign</b>							
0.00 to <0.15	3,906	0.04	116	15	3.2	153	4
0.15 to <0.25	33	0.23	7	28	14.8	13	39
0.25 to <0.50	99	0.33	6	38	0.6	31	31
0.50 to <0.75	1	0.54	3	40	-	-	-
0.75 to <2.50	1	1.41	1	35	5.0	1	100
2.50 to <10.00	5	2.91	4	40	-	5	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	4,045	0.05	137	16	3.2	203	5
<b>Banks</b>							
0.00 to <0.15	8,707	0.06	150	150	0.8	1,375	16
0.15 to <0.25	976	0.20	60	60	2.1	414	42
0.25 to <0.50	68	0.33	18	18	1.4	46	68
0.50 to <0.75	425	0.58	39	39	-	191	45
0.75 to <2.50	28	1.41	11	11	0.1	26	93
2.50 to <10.00	61	2.81	35	35	0.1	65	107
10.00 to <100.00	-	-	-	-	-	1	-
100.00 (Default)	-	-	-	-	-	-	-
	10,265	0.12	313	40	0.9	2,118	21
<b>Total (all portfolios)</b>	36,296	0.55	5,670	30	1.3	9,571	26

For footnotes, see page 46.

## CCR4: IRB - COUNTERPARTY CREDIT RISK EXPOSURES BY PORTFOLIO AND PD SCALE (continued)

(\$ millions)

PD scale	Q2/21						
	a EAD post-CRM	b Average PD %	c Number of obligors <sup>(1)</sup>	d Average LGD %	e Average maturity <sup>(2)</sup>	f RWA	g RWA density %
<b>Corporate</b>							
0.00 to <0.15	9,092	0.08	1,014	23	0.6	811	9
0.15 to <0.25	3,714	0.20	827	33	1.7	1,073	29
0.25 to <0.50	1,434	0.33	364	31	2.3	554	39
0.50 to <0.75	2,761	0.65	957	35	1.2	1,568	57
0.75 to <2.50	1,406	1.41	670	27	1.1	873	62
2.50 to <10.00	1,326	3.93	1,084	27	0.6	1,095	83
10.00 to <100.00	180	21.97	91	28	1.0	260	144
100.00 (Default)	5	100.00	5	60	0.4	43	860
	19,918	0.77	5,012	28	1.1	6,277	32
<b>Sovereign</b>							
0.00 to <0.15	3,858	0.04	115	18	2.6	159	4
0.15 to <0.25	20	0.23	7	25	17.4	8	40
0.25 to <0.50	137	0.33	5	40	-	42	31
0.50 to <0.75	2	0.63	5	42	-	1	50
0.75 to <2.50	1	1.41	1	35	5.0	1	100
2.50 to <10.00	2	3.44	4	40	-	2	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	4,020	0.05	137	19	2.5	213	5
<b>Banks</b>							
0.00 to <0.15	8,771	0.06	151	40	0.7	1,380	16
0.15 to <0.25	989	0.19	58	41	2.2	428	43
0.25 to <0.50	72	0.33	20	43	1.4	47	65
0.50 to <0.75	491	0.56	40	40	0.1	216	44
0.75 to <2.50	49	1.41	11	40	-	41	84
2.50 to <10.00	48	2.67	33	40	0.1	48	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	10,420	0.12	313	40	0.8	2,160	21
<b>Total (all portfolios)</b>	34,358	0.49	5,462	30	1.2	8,650	25

For footnotes, see page 46.

## CCR4: IRB - COUNTERPARTY CREDIT RISK EXPOSURES BY PORTFOLIO AND PD SCALE (continued)

(\$ millions)

PD scale	Q1/21						
	a EAD post-CRM	b Average PD %	c Number of obligors <sup>(1)</sup>	d Average LGD %	e Average maturity <sup>(2)</sup>	f RWA	g RWA density %
<b>Corporate</b>							
0.00 to <0.15	8,780	0.08	1,067	22	0.9	798	9
0.15 to <0.25	3,390	0.19	765	34	2.1	1,033	30
0.25 to <0.50	1,598	0.33	357	31	2.7	617	39
0.50 to <0.75	2,689	0.65	914	33	2.2	1,488	55
0.75 to <2.50	2,266	1.82	1,104	31	1.1	1,751	77
2.50 to <10.00	300	7.26	691	28	1.0	332	111
10.00 to <100.00	339	18.96	108	19	0.7	356	105
100.00 (Default)	10	100.00	6	45	0.8	54	540
	19,372	0.90	5,012	27	1.5	6,429	33
<b>Sovereign</b>							
0.00 to <0.15	5,037	0.03	109	11	2.5	126	3
0.15 to <0.25	35	0.23	7	25	17.8	14	40
0.25 to <0.50	192	0.33	5	40	-	58	30
0.50 to <0.75	5	0.68	4	40	-	2	40
0.75 to <2.50	2	1.79	2	37	3.9	2	100
2.50 to <10.00	-	-	-	-	-	-	-
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	5,271	0.04	127	12	2.5	202	4
<b>Banks</b>							
0.00 to <0.15	8,068	0.06	160	40	0.7	1,290	16
0.15 to <0.25	1,062	0.19	59	41	2.1	454	43
0.25 to <0.50	74	0.33	21	43	1.3	49	66
0.50 to <0.75	729	0.55	42	39	0.1	306	42
0.75 to <2.50	68	2.00	15	26	0.1	40	59
2.50 to <10.00	1	7.62	23	27	0.1	1	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	10,002	0.13	320	40	0.8	2,140	21
<b>Total (all portfolios)</b>	34,645	0.54	5,459	29	1.4	8,771	25

For footnotes, see page 46.

## CCR4: IRB - COUNTERPARTY CREDIT RISK EXPOSURES BY PORTFOLIO AND PD SCALE (continued)

(\$ millions)

PD scale	Q4/20						
	a EAD post-CRM	b Average PD %	c Number of obligors <sup>(1)</sup>	d Average LGD %	e Average maturity <sup>(2)</sup>	f RWA	g RWA density %
<b>Corporate</b>							
0.00 to <0.15	8,963	0.08	1,061	21	1.1	823	9
0.15 to <0.25	3,355	0.19	793	34	2.3	1,025	31
0.25 to <0.50	1,484	0.33	361	33	3.1	643	43
0.50 to <0.75	2,826	0.66	921	34	2.1	1,638	58
0.75 to <2.50	2,265	1.81	1,102	29	1.4	1,659	73
2.50 to <10.00	341	7.32	704	32	1.2	432	127
10.00 to <100.00	209	19.72	102	23	1.9	257	123
100.00 (Default)	14	100.00	8	49	0.2	88	629
	19,457	0.81	5,052	27	1.7	6,565	34
<b>Sovereign</b>							
0.00 to <0.15	5,160	0.03	109	12	3.0	145	3
0.15 to <0.25	41	0.23	9	32	8.9	13	32
0.25 to <0.50	17	0.33	2	40	0.4	6	35
0.50 to <0.75	7	0.67	4	39	1.6	3	43
0.75 to <2.50	10	2.49	4	40	-	10	100
2.50 to <10.00	-	-	-	-	-	-	-
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	5,235	0.04	128	12	3.0	177	3
<b>Banks</b>							
0.00 to <0.15	7,732	0.06	161	40	0.7	1,314	17
0.15 to <0.25	971	0.20	51	42	2.1	417	43
0.25 to <0.50	92	0.33	24	44	1.3	58	63
0.50 to <0.75	280	0.55	34	45	0.2	141	50
0.75 to <2.50	58	1.93	18	28	0.1	36	62
2.50 to <10.00	2	7.90	20	25	0.1	2	100
10.00 to <100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
	9,135	0.11	308	40	0.8	1,968	22
<b>Total (all portfolios)</b>	33,827	0.50	5,488	28	1.6	8,710	26

For footnotes, see page 46.

## CCR5: COMPOSITION OF COLLATERAL FOR COUNTERPARTY CREDIT RISK EXPOSURE <sup>(1)</sup>

(\$ millions)	Q4/21											
	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		received		collateral	
Cash - domestic currency	-	1,278		-	2,148		36,381		30,968			
Cash - other currencies	-	5,383		28	4,423		37,959		48,977			
Domestic sovereign debt	301	456		1,714	3,372		57,632		67,835			
Other sovereign debt	1,288	81		1,808	1,896		38,503		40,371			
Corporate bonds	191	35		226	-		5,762		2,777			
Equity securities	1,242	-		2,027	-		16,622		23,407			
Other collateral	-	-		167	410		-		-			
<b>Total</b>	<b>3,022</b>	<b>7,233</b>		<b>5,970</b>	<b>12,249</b>		<b>192,859</b>		<b>214,335</b>			

(\$ millions)	Q3/21											
	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		received		collateral	
Cash - domestic currency	-	1,126		-	1,880		32,251		31,211			
Cash - other currencies	-	4,496		15	4,228		35,989		44,997			
Domestic sovereign debt	56	644		1,748	2,912		55,740		63,398			
Other sovereign debt	1,300	90		1,503	1,211		41,475		40,842			
Corporate bonds	382	39		236	-		5,284		2,750			
Equity securities	943	-		1,678	-		17,598		22,190			
Other collateral	-	-		137	412		-		-			
<b>Total</b>	<b>2,681</b>	<b>6,395</b>		<b>5,317</b>	<b>10,643</b>		<b>188,337</b>		<b>205,388</b>			

(\$ millions)	Q2/21											
	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		received		collateral	
Cash - domestic currency	-	1,602		-	2,538		27,083		28,826			
Cash - other currencies	-	4,479		-	5,159		42,236		45,855			
Domestic sovereign debt	-	1,247		1,872	3,274		49,850		55,930			
Other sovereign debt	1,290	145		2,043	755		43,825		45,240			
Corporate bonds	97	61		234	1		4,623		3,496			
Equity securities	778	-		1,622	-		15,264		20,668			
Other collateral	-	-		-	479		-		-			
<b>Total</b>	<b>2,165</b>	<b>7,534</b>		<b>5,771</b>	<b>12,206</b>		<b>182,881</b>		<b>200,015</b>			

(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.

(2) Certain prior period amounts have been restated.

## CCR5: COMPOSITION OF COLLATERAL FOR COUNTERPARTY CREDIT RISK EXPOSURE (continued) <sup>(1)</sup>

(\$ millions)	Q1/21											
	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 <sup>(2)</sup>		
	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated
Cash - domestic currency	-	1,499	-	2,481	39,296	28,769						
Cash - other currencies	-	4,253	-	4,579	38,966	47,186						
Domestic sovereign debt	3	789	2,481	3,316	50,408	55,291						
Other sovereign debt	826	181	970	1,430	39,020	40,654						
Corporate bonds	276	10	216	1	5,010	12,643						
Equity securities	1,040	-	969	-	15,574	20,607						
Other collateral	-	-	-	646	-	-						
<b>Total</b>	<b>2,145</b>	<b>6,732</b>	<b>4,636</b>	<b>12,453</b>	<b>188,274</b>	<b>205,150</b>						

(\$ millions)	Q4/20											
	a		b		c		d		e		f	
	Collateral used in derivative transactions <sup>(2)</sup>						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	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated
Cash - domestic currency	-	982	-	1,233	38,601	31,930						
Cash - other currencies	-	3,790	-	3,718	34,874	42,215						
Domestic sovereign debt	70	1,016	2,752	3,789	51,338	43,633						
Other sovereign debt	109	168	402	2,086	36,324	38,566						
Corporate bonds	208	14	174	-	4,773	12,684						
Equity securities	6	-	788	-	12,447	20,834						
Other collateral	-	71	-	396	-	-						
<b>Total</b>	<b>393</b>	<b>6,041</b>	<b>4,116</b>	<b>11,222</b>	<b>178,357</b>	<b>189,862</b>						

For footnotes, see page 51.

## CCR6: CREDIT DERIVATIVES EXPOSURES

(\$ millions)

	Q4/21		Q3/21		Q2/21		Q1/21		Q4/20	
	a	b	a	b	a	b	a	b	a	b
	Protection bought	Protection sold	Protection bought	Protection sold	Protection bought	Protection sold	Protection bought	Protection sold	Protection bought	Protection sold
<b>Notionals</b>										
Single-name credit default swaps	1,441	484	1,195	397	1,308	508	1,438	455	1,552	517
Index credit default swaps	2,361	1,197	2,462	1,199	1,382	507	1,836	853	2,845	1,415
Total return swaps	-	-	-	-	-	-	-	-	-	-
Credit options	-	-	-	-	-	-	-	-	-	-
Other credit derivatives	82	-	99	-	99	-	111	-	123	-
<b>Total notionals</b>	<b>3,884</b>	<b>1,681</b>	<b>3,756</b>	<b>1,596</b>	<b>2,789</b>	<b>1,015</b>	<b>3,385</b>	<b>1,308</b>	<b>4,520</b>	<b>1,932</b>
<b>Fair values</b>										
Positive fair value (asset)	50	3	60	3	58	3	102	2	104	2
Negative fair value (liability)	58	45	54	54	52	52	59	100	48	100

## CCR8: EXPOSURES TO CENTRAL COUNTERPARTIES

(\$ millions)

	Q4/21		Q3/21		Q2/21		Q1/21		Q4/20	
	a	b	a	b	a	b	a	b	a	b
	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA
1 Exposures to QCCPs (total)	625		588		524		491		410	
2 Exposures for trades at QCCPs (excluding initial margin and default fund contributions); of which	10,862	343	10,243	304	8,818	259	7,674	227	7,079	217
3 (i) OTC derivatives	458	12	425	11	533	14	520	14	534	15
4 (ii) Exchange-traded derivatives	9,188	307	8,352	264	7,124	222	6,141	193	5,549	182
5 (iii) Securities financing transactions	1,216	24	1,466	29	1,161	23	1,013	20	996	20
6 (iv) Netting sets where cross-product netting has been approved	-	-	-	-	-	-	-	-	-	-
7 Segregated initial margin	4,057		3,588		4,070		3,516		3,683	
8 Non-segregated initial margin	3,182	-	2,420	-	1,883	-	1,773	-	1,835	-
9 Pre-funded default fund contributions	634	282	604	284	618	265	578	264	545	193
10 Unfunded default fund contributions	862	-	815	-	850	-	833	-	791	-
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)

		Q4/21								
		a Bank acts as originator			e Bank acts as sponsor <sup>(1)</sup>			i Bank acts as investor		
		b Synthetic	c Sub-total	f Synthetic	g Sub-total	j Synthetic	k Sub-total			
		Traditional	Sub-total	Traditional	Sub-total	Traditional	Sub-total			
1	Retail (total) - of which	39	39	8,914	8,914	3,061	3,061			
2	residential mortgage	-	-	2,271	2,271	-	-			
3	credit card	39	39	199	199	607	607			
4	other retail exposures	-	-	6,444	6,444	2,454	2,454			
5	resecuritization	-	-	-	-	-	-			
6	Wholesale (total) - of which	-	-	1,617	1,617	1,715	1,748	33		
7	loans to corporates	-	-	-	-	476	476	-		
8	commercial mortgage	-	-	-	-	-	-			
9	lease and receivables	-	-	881	881	1,239	1,239			
10	other wholesale	-	-	736	736	-	33	33		
11	resecuritization	-	-	-	-	-	-			

(\$ millions)

		Q3/21								
		a Bank acts as originator			e Bank acts as sponsor <sup>(1)</sup>			i Bank acts as investor		
		b Synthetic	c Sub-total	f Synthetic	g Sub-total	j Synthetic	k Sub-total			
		Traditional	Sub-total	Traditional	Sub-total	Traditional	Sub-total			
1	Retail (total) - of which	39	39	8,489	8,489	3,118	3,118			
2	residential mortgage	-	-	2,497	2,497	-	-			
3	credit card	39	39	199	199	611	611			
4	other retail exposures	-	-	5,793	5,793	2,507	2,507			
5	resecuritization	-	-	-	-	-	-			
6	Wholesale (total) - of which	-	-	1,515	1,515	1,883	1,923	40		
7	loans to corporates	-	-	-	-	552	552	-		
8	commercial mortgage	-	-	-	-	-	-			
9	lease and receivables	-	-	778	778	1,331	1,331			
10	other wholesale	-	-	737	737	-	40	40		
11	resecuritization	-	-	-	-	-	-			

(\$ millions)

		Q2/21								
		a Bank acts as originator			e Bank acts as sponsor <sup>(1)</sup>			i Bank acts as investor		
		b Synthetic	c Sub-total	f Synthetic	g Sub-total	j Synthetic	k Sub-total			
		Traditional	Sub-total	Traditional	Sub-total	Traditional	Sub-total			
1	Retail (total) - of which	150	150	8,467	8,467	2,744	2,744			
2	residential mortgage	-	-	2,251	2,251	-	-			
3	credit card	150	150	199	199	296	296			
4	other retail exposures	-	-	6,017	6,017	2,448	2,448			
5	resecuritization	-	-	-	-	-	-			
6	Wholesale (total) - of which	-	-	1,611	1,611	2,141	2,183	42		
7	loans to corporates	-	-	-	-	575	575	-		
8	commercial mortgage	-	-	-	-	-	-			
9	lease and receivables	-	-	874	874	1,566	1,566			
10	other wholesale	-	-	737	737	-	42	42		
11	resecuritization	-	-	-	-	-	-			

(1) Includes exposures relating to CIBC-sponsored multi-seller conduits.

## SEC1: SECURITIZATION EXPOSURES IN THE BANKING BOOK (continued)

(\$ millions)

	Q1/21								
	a			e			i		
	Bank acts as originator			Bank acts as sponsor <sup>(1)</sup>			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	<b>126</b>	-	<b>126</b>	<b>8,185</b>	-	<b>8,185</b>	<b>2,520</b>	-	<b>2,520</b>
2 residential mortgage	-	-	-	2,236	-	2,236	-	-	-
3 credit card	126	-	126	296	-	296	306	-	306
4 other retail exposures	-	-	-	5,653	-	5,653	2,214	-	2,214
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	<b>1,795</b>	-	<b>1,795</b>	<b>2,246</b>	<b>26</b>	<b>2,272</b>
7 loans to corporates	-	-	-	-	-	-	412	-	412
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	1,065	-	1,065	1,834	-	1,834
10 other wholesale	-	-	-	730	-	730	-	-	-
11 resecuritization	-	-	-	-	-	-	-	26	26

(\$ millions)

	Q4/20								
	a			e			i		
	Bank acts as originator			Bank acts as sponsor <sup>(1)</sup>			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	<b>109</b>	-	<b>109</b>	<b>8,908</b>	-	<b>8,908</b>	<b>2,657</b>	-	<b>2,657</b>
2 residential mortgage	-	-	-	2,254	-	2,254	80	-	80
3 credit card	109	-	109	796	-	796	316	-	316
4 other retail exposures	-	-	-	5,858	-	5,858	2,261	-	2,261
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	<b>1,731</b>	-	<b>1,731</b>	<b>2,158</b>	<b>222</b>	<b>2,380</b>
7 loans to corporates	-	-	-	-	-	-	-	197	197
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	994	-	994	2,158	-	2,158
10 other wholesale	-	-	-	737	-	737	-	-	-
11 resecuritization	-	-	-	-	-	-	-	25	25

For footnotes, see page 55.

## SEC2: SECURITIZATION EXPOSURES IN THE TRADING BOOK <sup>(1)</sup>

(\$ millions)

	Q4/21								
	a Bank acts as originator <sup>(2)</sup>			e Bank acts as sponsor <sup>(3)</sup>			i Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	1	-	1	29	-	29	261	-	261
2 residential mortgage	-	-	-	8	-	8	226	-	226
3 credit card	1	-	1	1	-	1	11	-	11
4 other retail exposures	-	-	-	20	-	20	24	-	24
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	6	-	6	-	-	-
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	4	-	4	-	-	-
10 other wholesale	-	-	-	2	-	2	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

(\$ millions)

	Q3/21								
	a Bank acts as originator <sup>(2)</sup>			e Bank acts as sponsor <sup>(3)</sup>			i Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	1	-	1	7	-	7	342	-	342
2 residential mortgage	-	-	-	2	-	2	289	-	289
3 credit card	1	-	1	-	-	-	26	-	26
4 other retail exposures	-	-	-	5	-	5	27	-	27
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	1	-	1	-	-	-
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	1	-	1	-	-	-
10 other wholesale	-	-	-	-	-	-	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

(\$ millions)

	Q2/21								
	a Bank acts as originator <sup>(2)</sup>			e Bank acts as sponsor <sup>(3)</sup>			i Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	2	-	2	1	-	1	58	-	58
2 residential mortgage	-	-	-	-	-	-	17	-	17
3 credit card	2	-	2	-	-	-	28	-	28
4 other retail exposures	-	-	-	1	-	1	13	-	13
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	-	-	-	-	-	-
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	-	-	-	-	-	-
10 other wholesale	-	-	-	-	-	-	-	-	-
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.

## SEC2: SECURITIZATION EXPOSURES IN THE TRADING BOOK (continued) <sup>(1)</sup>

(\$ millions)

	Q1/21								
	a			e			i		
	Bank acts as originator <sup>(2)</sup>			Bank acts as sponsor <sup>(3)</sup>			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	<b>3</b>	-	<b>3</b>	<b>12</b>	-	<b>12</b>	<b>85</b>	-	<b>85</b>
2 residential mortgage	-	-	-	3	-	3	24	-	24
3 credit card	3	-	3	-	-	-	34	-	34
4 other retail exposures	-	-	-	9	-	9	27	-	27
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	<b>1</b>	-	<b>1</b>	-	-	-
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	1	-	1	-	-	-
10 other wholesale	-	-	-	-	-	-	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

(\$ millions)

	Q4/20								
	a			e			i		
	Bank acts as originator <sup>(2)</sup>			Bank acts as sponsor <sup>(3)</sup>			Bank acts as investor		
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
1 Retail (total) - of which	<b>2</b>	-	<b>2</b>	<b>11</b>	-	<b>11</b>	<b>81</b>	-	<b>81</b>
2 residential mortgage	-	-	-	3	-	3	23	-	23
3 credit card	2	-	2	1	-	1	31	-	31
4 other retail exposures	-	-	-	7	-	7	27	-	27
5 resecuritization	-	-	-	-	-	-	-	-	-
6 Wholesale (total) - of which	-	-	-	<b>2</b>	-	<b>2</b>	-	-	-
7 loans to corporates	-	-	-	-	-	-	-	-	-
8 commercial mortgage	-	-	-	-	-	-	-	-	-
9 lease and receivables	-	-	-	1	-	1	-	-	-
10 other wholesale	-	-	-	1	-	1	-	-	-
11 resecuritization	-	-	-	-	-	-	-	-	-

For footnotes, see page 57.

## SEC3: SECURITIZATION EXPOSURES IN THE BANKING BOOK AND ASSOCIATED REGULATORY CAPITAL REQUIREMENTS - BANK ACTING AS ORIGINATOR OR AS SPONSOR

(\$ millions)

		Q4/21																				
		a	b	c	d	e	f				g				h				i			
		Exposure values (by risk-weighted (RW) bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap							
		>20%	>50%	>100%			ERBA (including IAA)				ERBA (including IAA)				ERBA (including IAA)							
		≤20%	to 50%	to 100%	to < 1250%	1250%	IRBA	IAA	SA	1250%	IRBA	IAA	SA	1250%	IRBA	IAA	SA	1250%				
1	Total exposures	10,531	36	-	2	1	39	10,531	-	-	49	1,110	-	-	4	89	-	-				
2	Traditional securitization	10,531	36	-	2	1	39	10,531	-	-	49	1,110	-	-	4	89	-	-				
3	Of which securitization	10,531	36	-	2	1	39	10,531	-	-	49	1,110	-	-	4	89	-	-				
4	Of which retail underlying	8,913	36	-	2	1	39	8,913	-	-	49	948	-	-	4	76	-	-				
5	Of which wholesale	1,618	-	-	-	-	-	1,618	-	-	-	162	-	-	-	13	-	-				
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)

		Q3/21																
		a	b	c	d	e	f				g				h			
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap			
		>20%	>50%	>100%			ERBA (including IAA)				ERBA (including IAA)				ERBA (including IAA)			
		≤20%	to 50%	to 100%	to < 1250%	1250%	IRBA	IAA	SA	1250%	IRBA	IAA	SA	1250%	IRBA	IAA	SA	1250%
1	Total exposures	10,040	-	-	3	-	-	10,043	-	-	-	1,067	-	-	-	85	-	-
2	Traditional securitization	10,040	-	-	3	-	-	10,043	-	-	-	1,067	-	-	-	85	-	-
3	Of which securitization	10,040	-	-	3	-	-	10,043	-	-	-	1,067	-	-	-	85	-	-
4	Of which retail underlying	8,525	-	-	3	-	-	8,528	-	-	-	916	-	-	-	73	-	-
5	Of which wholesale	1,515	-	-	-	-	-	1,515	-	-	-	151	-	-	-	12	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

(\$ millions)

	Q2/21																
	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%		>50%		>100%												
	≤20% RW	to 50% RW	to 100% RW	to 1250% RW	to < 1250% RW	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%
1 Total exposures	10,217	-	-	-	11	11	10,217	-	-	137	1,076	-	-	11	86	-	-
2 Traditional securitization	10,217	-	-	-	11	11	10,217	-	-	137	1,076	-	-	11	86	-	-
3 Of which securitization	10,217	-	-	-	11	11	10,217	-	-	137	1,076	-	-	11	86	-	-
4 Of which retail underlying	8,605	-	-	-	11	11	8,605	-	-	137	915	-	-	11	73	-	-
5 Of which wholesale	1,612	-	-	-	-	-	1,612	-	-	-	161	-	-	-	13	-	-
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)

	Q1/21																
	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%		>50%		>100%												
	≤20% RW	to 50% RW	to 100% RW	to 1250% RW	to < 1250% RW	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%
1 Total exposures	10,095	-	-	-	11	11	9,935	160	-	137	1,049	16	-	11	84	1	-
2 Traditional securitization	10,095	-	-	-	11	11	9,935	160	-	137	1,049	16	-	11	84	1	-
3 Of which securitization	10,095	-	-	-	11	11	9,935	160	-	137	1,049	16	-	11	84	1	-
4 Of which retail underlying	8,300	-	-	-	11	11	8,300	-	-	137	885	-	-	11	71	-	-
5 Of which wholesale	1,795	-	-	-	-	-	1,635	160	-	-	164	16	-	-	13	1	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

(\$ millions)

	Q4/20																
	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	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%	IRBA	ERBA (including IAA)	SA	1250%
1 Total exposures	10,737	-	-	-	11	11	10,570	167	-	137	1,112	17	-	11	89	1	-
2 Traditional securitization	10,737	-	-	-	11	11	10,570	167	-	137	1,112	17	-	11	89	1	-
3 Of which securitization	10,737	-	-	-	11	11	10,570	167	-	137	1,112	17	-	11	89	1	-
4 Of which retail underlying	9,006	-	-	-	11	11	9,006	-	-	137	956	-	-	11	77	-	-
5 Of which wholesale	1,731	-	-	-	-	-	1,564	167	-	-	156	17	-	-	12	1	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

(\$ millions)

		Q4/21																																												
		a	b	c	d	e	g				h				i				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%		>50%		>100%																																								
		to		to		to <		ERBA					ERBA					ERBA																												
		≤20%		100%		1250%		(including IAA)					(including IAA)					(including IAA)																												
		RW	RW	RW	RW	RW	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%																
1	Total exposures	3,913	765	33	98	-	202	3,787	820	-	83	640	132	-	7	50	11	-	-	-	-	-	-	-	-	-	-	-	-	-																
2	Traditional securitization	3,913	765	-	98	-	202	3,754	820	-	83	607	132	-	7	47	11	-	-	-	-	-	-	-	-	-	-	-	-																	
3	Of which securitization	3,913	765	-	98	-	202	3,754	820	-	83	607	132	-	7	47	11	-	-	-	-	-	-	-	-	-	-	-	-																	
4	Of which retail underlying	2,261	765	-	35	-	-	2,378	683	-	-	420	111	-	-	33	9	-	-	-	-	-	-	-	-	-	-	-	-																	
5	Of which wholesale	1,652	-	-	63	-	202	1,376	137	-	83	187	21	-	7	14	2	-	-	-	-	-	-	-	-	-	-	-	-																	
6	Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
7	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
8	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
9	Synthetic securitization	-	-	33	-	-	-	33	-	-	-	33	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
10	Of which securitization	-	-	33	-	-	-	33	-	-	-	33	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
11	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
12	Of which wholesale	-	-	33	-	-	-	33	-	-	-	33	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
13	Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
14	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
15	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	

(\$ millions)

		Q3/21																																												
		a	b	c	d	e	g				h				i				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%		>50%		>100%																																								
		to		to		to <		ERBA					ERBA					ERBA																												
		≤20%		100%		1250%		(including IAA)					(including IAA)					(including IAA)																												
		RW	RW	RW	RW	RW	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%	IRBA	SA	1250%																
1	Total exposures	4,127	839	40	35	-	213	3,969	859	-	50	673	188	-	4	54	15	-	-	-	-	-	-	-	-	-	-	-	-																	
2	Traditional securitization	4,127	839	-	35	-	213	3,929	859	-	50	633	188	-	4	51	15	-	-	-	-	-	-	-	-	-	-	-	-																	
3	Of which securitization	4,127	839	-	35	-	213	3,929	859	-	50	633	188	-	4	51	15	-	-	-	-	-	-	-	-	-	-	-	-																	
4	Of which retail underlying	2,317	766	-	35	-	-	2,397	721	-	-	421	167	-	-	34	13	-	-	-	-	-	-	-	-	-	-	-	-																	
5	Of which wholesale	1,810	73	-	-	-	213	1,532	138	-	50	212	21	-	4	17	2	-	-	-	-	-	-	-	-	-	-	-	-																	
6	Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
7	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
8	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
9	Synthetic securitization	-	-	40	-	-	-	40	-	-	-	40	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
10	Of which securitization	-	-	40	-	-	-	40	-	-	-	40	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
11	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
12	Of which wholesale	-	-	40	-	-	-	40	-	-	-	40	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-																	
13	Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
14	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
15	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	



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

(\$ millions)

	Q2/21																
	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%		>50%		>100%												
	≤20%	to	to	to <	1250%	1250%	ERBA (including IAA)		SA	1250%	ERBA (including IAA)		SA	1250%	ERBA (including IAA)		SA
RW	RW	RW	RW	RW		IRBA	IAA			IRBA	IAA			IRBA	IAA		
1 Total exposures	4,096	644	111	76	-	257	3,824	846	-	79	885	99	-	6	71	8	-
2 Traditional securitization	4,093	644	72	76	-	257	3,782	846	-	79	845	99	-	6	68	8	-
3 Of which securitization	4,093	644	72	76	-	257	3,782	846	-	79	845	99	-	6	68	8	-
4 Of which retail underlying	2,248	461	-	35	-	-	2,024	720	-	-	384	72	-	-	31	6	-
5 Of which wholesale	1,845	183	72	41	-	257	1,758	126	-	79	461	27	-	6	37	2	-
6 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	3	-	39	-	-	-	42	-	-	-	40	-	-	-	3	-	-
10 Of which securitization	3	-	39	-	-	-	42	-	-	-	40	-	-	-	3	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	3	-	39	-	-	-	42	-	-	-	40	-	-	-	3	-	-
13 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(\$ millions)

	Q1/21																
	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%		>50%		>100%												
	≤20%	to	to	to <	1250%	1250%	ERBA (including IAA)		SA	1250%	ERBA (including IAA)		SA	1250%	ERBA (including IAA)		SA
RW	RW	RW	RW	RW		IRBA	IAA			IRBA	IAA			IRBA	IAA		
1 Total exposures	4,023	666	-	103	-	264	3,937	591	-	31	868	282	-	2	69	23	-
2 Traditional securitization	4,023	666	-	77	-	264	3,937	565	-	31	868	81	-	2	69	6	-
3 Of which securitization	4,023	666	-	77	-	264	3,937	565	-	31	868	81	-	2	69	6	-
4 Of which retail underlying	2,028	457	-	35	-	-	2,086	434	-	-	389	43	-	-	31	3	-
5 Of which wholesale	1,995	209	-	42	-	264	1,851	131	-	31	479	38	-	2	38	3	-
6 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	-	-	-	26	-	-	-	26	-	-	-	201	-	-	-	17	-
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Of which resecuritization	-	-	-	26	-	-	-	26	-	-	-	201	-	-	-	17	-
14 Of which senior	-	-	-	26	-	-	-	26	-	-	-	201	-	-	-	17	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

(\$ millions)

	Q4/20																		
	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	IRBA	ERBA (including IAA)		SA	1250%	IRBA	ERBA (including IAA)		SA	1250%	IRBA	ERBA (including IAA)		SA
1 Total exposures	<b>3,654</b>	<b>613</b>	<b>666</b>	<b>104</b>	-	<b>1,743</b>	<b>2,785</b>	<b>509</b>	-	<b>460</b>	<b>736</b>	<b>273</b>	-	<b>37</b>	<b>59</b>	<b>22</b>	-		
2 Traditional securitization	<b>3,457</b>	<b>613</b>	<b>666</b>	<b>79</b>	-	<b>1,743</b>	<b>2,588</b>	<b>484</b>	-	<b>460</b>	<b>697</b>	<b>54</b>	-	<b>37</b>	<b>56</b>	<b>4</b>	-		
3 Of which securitization	3,457	613	666	79	-	1,743	2,588	484	-	460	697	54	-	37	56	4	-		
4 Of which retail underlying	1,448	508	666	35	-	1,371	919	367	-	415	241	37	-	33	19	3	-		
5 Of which wholesale	2,009	105	-	44	-	372	1,669	117	-	45	456	17	-	4	37	1	-		
6 Of which resecuritization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
9 Synthetic securitization	<b>197</b>	-	-	<b>25</b>	-	-	<b>197</b>	<b>25</b>	-	-	<b>39</b>	<b>219</b>	-	-	<b>3</b>	<b>18</b>	-		
10 Of which securitization	197	-	-	-	-	-	197	-	-	-	39	-	-	-	3	-	-		
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
12 Of which wholesale	197	-	-	-	-	-	197	-	-	-	39	-	-	-	3	-	-		
13 Of which resecuritization	-	-	-	25	-	-	-	25	-	-	-	219	-	-	-	18	-		
14 Of which senior	-	-	-	25	-	-	-	25	-	-	-	219	-	-	-	18	-		
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

# SUPPLEMENTARY REGULATORY CAPITAL DISCLOSURES

## CREDIT EXPOSURE (EAD <sup>(1)</sup>)

(\$ millions)

	Q4/21		Q3/21		Q2/21		Q1/21		Q4/20	
	AIRB approach <sup>(2)</sup>	Standardized approach	AIRB approach <sup>(2)</sup>	Standardized approach	AIRB approach <sup>(2)</sup>	Standardized approach	AIRB approach <sup>(2)</sup>	Standardized approach	AIRB approach <sup>(2)</sup>	Standardized approach
<b>Business and government portfolios</b>										
<b>Corporate</b>										
Drawn	120,417	36,321	115,267	35,094	106,985	34,820	103,913	35,581	102,342	36,603
Undrawn commitments	61,417	7,583	56,575	7,329	54,161	6,991	51,865	7,098	49,473	7,339
Repo-style transactions	172,827	-	162,794	-	160,239	-	147,800	-	139,677	-
Other off-balance sheet	13,644	981	14,685	917	13,281	901	13,139	942	14,085	1,016
OTC derivatives	12,914	415	12,517	541	9,585	538	9,972	669	10,858	786
	381,219	45,300	361,838	43,881	344,251	43,250	326,689	44,290	316,435	45,744
<b>Sovereign</b>										
Drawn	125,001	26,272	117,225	24,389	112,117	24,101	128,502	23,836	133,077	22,664
Undrawn commitments	8,525	-	8,629	-	8,266	-	8,315	-	8,354	-
Repo-style transactions	26,746	-	26,480	-	31,278	-	43,100	-	38,904	-
Other off-balance sheet	1,613	-	1,591	-	1,756	-	1,534	-	1,553	-
OTC derivatives	2,011	1	2,125	1	1,863	1	1,907	1	2,187	2
	163,896	26,273	156,050	24,390	155,280	24,102	183,358	23,837	184,075	22,666
<b>Banks</b>										
Drawn	12,291	1,565	12,080	1,935	11,989	1,590	12,594	1,279	12,846	1,241
Undrawn commitments	1,554	3	1,615	17	1,582	17	1,595	12	1,552	16
Repo-style transactions	42,529	-	40,656	-	30,255	-	27,574	-	24,228	-
Other off-balance sheet	64,728	-	59,428	-	63,934	-	60,653	-	59,761	-
OTC derivatives	5,765	12	5,908	15	6,073	14	5,900	18	5,805	21
	126,867	1,580	119,687	1,967	113,833	1,621	108,316	1,309	104,192	1,278
<b>Gross business and government portfolios</b>	671,982	73,153	637,575	70,238	613,364	68,973	618,363	69,436	604,702	69,688
Less: collateral held for repo-style transactions	225,399	-	214,184	-	204,935	-	201,608	-	187,832	-
<b>Net business and government portfolios</b>	446,583	73,153	423,391	70,238	408,429	68,973	416,755	69,436	416,870	69,688
<b>Retail portfolios</b>										
<b>Real estate secured personal lending</b>										
Drawn	261,531	4,835	254,257	4,754	244,591	4,562	236,425	4,678	231,527	4,799
Undrawn commitments	36,631	-	36,065	-	35,611	-	32,528	-	31,390	-
	298,162	4,835	290,322	4,754	280,202	4,562	268,953	4,678	262,917	4,799
<b>Qualifying revolving retail</b>										
Drawn	18,181	-	17,808	-	18,420	-	18,219	-	18,701	-
Undrawn commitments	54,509	-	54,123	-	53,651	-	53,164	-	53,085	-
Other off-balance sheet	327	-	313	-	295	-	233	-	271	-
	73,017	-	72,244	-	72,366	-	71,616	-	72,057	-
<b>Other retail</b>										
Drawn	15,578	1,419	15,024	1,389	16,110	1,320	15,379	1,358	14,869	1,326
Undrawn commitments	2,937	26	2,902	26	2,831	25	2,819	28	2,819	28
Other off-balance sheet	40	-	39	-	40	-	39	-	35	-
	18,555	1,445	17,965	1,415	18,981	1,345	18,237	1,386	17,723	1,354
<b>Total retail portfolios</b>	389,734	6,280	380,531	6,169	371,549	5,907	358,806	6,064	352,697	6,153
<b>Securitization exposures <sup>(3)</sup></b>	10,823	4,556	10,267	4,817	10,396	4,759	10,146	4,752	12,276	3,509
<b>Gross credit exposure</b>	1,072,539	83,989	1,028,373	81,224	995,309	79,639	987,315	80,252	969,675	79,350
Less: collateral held for repo-style transactions	225,399	-	214,184	-	204,935	-	201,608	-	187,832	-
<b>Net credit exposure <sup>(4)</sup></b>	847,140	83,989	814,189	81,224	790,374	79,639	785,707	80,252	781,843	79,350

(1) Gross credit exposure is net of derivative master netting agreements and CVA but is before allowance for credit losses or CRM.

(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 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 <sup>(1)(2)</sup>

(\$ millions)

	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
<b>Business and government</b>					
<b>Canada</b>					
Drawn	170,156	163,337	156,710	170,292	173,199
Undrawn commitments	50,998	49,317	47,806	47,029	45,684
Repo-style transactions	7,360	6,372	6,739	8,625	7,787
Other off-balance sheet	63,615	58,990	60,925	60,429	59,188
OTC derivatives	9,863	11,253	9,496	9,241	9,926
	<b>301,992</b>	<b>289,269</b>	<b>281,676</b>	<b>295,616</b>	<b>295,784</b>
<b>United States</b>					
Drawn	61,388	55,677	50,477	51,365	55,051
Undrawn commitments	14,133	12,595	10,455	10,258	9,717
Repo-style transactions	5,506	5,368	5,931	4,545	4,022
Other off-balance sheet	8,098	8,805	8,866	8,331	9,422
OTC derivatives	6,436	5,157	3,824	3,587	3,770
	<b>95,561</b>	<b>87,602</b>	<b>79,553</b>	<b>78,086</b>	<b>81,982</b>
<b>Europe</b>					
Drawn	13,678	13,394	12,229	12,413	8,396
Undrawn commitments	2,888	2,856	2,898	2,658	2,402
Repo-style transactions	1,485	1,560	1,495	1,401	1,241
Other off-balance sheet	7,815	7,410	8,640	5,971	6,138
OTC derivatives	2,638	2,628	2,576	2,968	3,279
	<b>28,504</b>	<b>27,848</b>	<b>27,838</b>	<b>25,411</b>	<b>21,456</b>
<b>Other countries</b>					
Drawn	12,487	12,164	11,675	10,939	11,619
Undrawn commitments	3,477	2,051	2,850	1,830	1,576
Repo-style transactions	2,352	2,446	2,672	2,295	1,927
Other off-balance sheet	457	499	540	595	651
OTC derivatives	1,753	1,512	1,625	1,983	1,875
	<b>20,526</b>	<b>18,672</b>	<b>19,362</b>	<b>17,642</b>	<b>17,648</b>
	<b>446,583</b>	<b>423,391</b>	<b>408,429</b>	<b>416,755</b>	<b>416,870</b>

(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.

(2) Classification by country is primarily based on domicile of debtor or customer.

## CREDIT EXPOSURE - MATURITY PROFILE <sup>(1)</sup>

(\$ millions)	Q4/21	Q3/21	Q2/21	Q1/21	Q4/20
<b>Business and government portfolios</b>					
<b>Corporate</b>					
Less than 1 year <sup>(2)</sup>	78,543	77,586	74,975	71,357	69,549
1 - 3 years	88,578	84,489	79,209	78,052	73,110
3 - 5 years	50,406	44,842	38,884	37,104	40,637
Over 5 years	1,227	1,593	1,277	1,775	2,061
	<b>218,754</b>	208,510	194,345	188,288	185,357
<b>Sovereign</b>					
Less than 1 year <sup>(2)</sup>	9,832	13,142	12,365	13,264	12,342
1 - 3 years	81,325	71,528	66,688	83,682	87,538
3 - 5 years	47,107	45,989	46,462	45,955	47,413
Over 5 years	708	832	645	721	926
	<b>138,972</b>	131,491	126,160	143,622	148,219
<b>Banks</b>					
Less than 1 year <sup>(2)</sup>	73,660	68,350	73,745	70,134	68,520
1 - 3 years	12,962	13,625	12,772	13,469	13,363
3 - 5 years	2,126	1,301	1,272	1,103	1,270
Over 5 years	109	114	135	139	141
	<b>88,857</b>	83,390	87,924	84,845	83,294
<b>Total business and government portfolios</b>	<b>446,583</b>	423,391	408,429	416,755	416,870
<b>Retail portfolios</b>					
<b>Real estate and secured personal lending</b>					
Less than 1 year <sup>(2)</sup>	91,047	88,659	87,191	88,727	89,981
1 - 3 years	78,736	80,752	84,526	86,909	90,317
3 - 5 years	125,016	117,557	105,217	90,702	79,795
Over 5 years	3,363	3,354	3,268	2,615	2,824
	<b>298,162</b>	290,322	280,202	268,953	262,917
<b>Qualifying revolving retail</b>					
Less than 1 year <sup>(2)</sup>	73,017	72,244	72,366	71,616	72,057
	<b>73,017</b>	72,244	72,366	71,616	72,057
<b>Other retail</b>					
Less than 1 year <sup>(2)</sup>	12,675	12,385	13,640	13,216	12,887
1 - 3 years	680	632	564	527	479
3 - 5 years	1,880	1,851	1,818	1,798	1,768
Over 5 years	3,320	3,097	2,959	2,696	2,589
	<b>18,555</b>	17,965	18,981	18,237	17,723
<b>Total retail portfolios</b>	<b>389,734</b>	380,531	371,549	358,806	352,697
<b>Total credit exposure</b>	<b>836,317</b>	803,922	779,978	775,561	769,567

(1) Excludes securitization exposures.

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

## CREDIT RISK ASSOCIATED WITH DERIVATIVES

(\$ millions)	Q4/21			Q4/21	Q3/21	Q2/21	Q1/21	Q4/20	
	Current replacement cost <sup>(1)</sup>			Credit equivalent amount <sup>(2)</sup>	Risk-weighted amount				
	Trading	Asset/liability management	Total						
<b>Interest rate derivatives</b>									
Over-the-counter									
Forward rate agreements	-	4	4	35	31	9	6	4	12
Swap contracts	2,116	141	2,257	4,182	1,360	1,918	1,767	2,284	2,705
Purchased options	14	2	16	26	14	19	16	20	26
Written options	4	-	4	8	4	4	3	2	2
	<b>2,134</b>	<b>147</b>	<b>2,281</b>	<b>4,251</b>	<b>1,409</b>	1,950	1,792	2,310	2,745
Exchange-traded	3	-	3	332	10	16	17	7	9
<b>Total interest rate derivatives</b>	<b>2,137</b>	<b>147</b>	<b>2,284</b>	<b>4,583</b>	<b>1,419</b>	1,966	1,809	2,317	2,754
<b>Foreign exchange derivatives</b>									
Over-the-counter									
Forward contracts	943	196	1,139	4,027	1,335	1,322	1,143	1,281	1,423
Swap contracts	452	389	841	2,684	751	790	800	778	700
Purchased options	144	14	158	156	54	64	68	67	65
Written options	40	-	40	50	19	20	20	21	20
	<b>1,579</b>	<b>599</b>	<b>2,178</b>	<b>6,917</b>	<b>2,159</b>	2,196	2,031	2,147	2,208
<b>Credit derivatives</b>									
Over-the-counter									
Credit default swap contracts - protection purchased	3	1	4	105	16	16	15	18	21
Credit default swap contracts - protection sold	1	-	1	18	7	6	5	4	6
	<b>4</b>	<b>1</b>	<b>5</b>	<b>123</b>	<b>23</b>	22	20	22	27
<b>Equity derivatives</b>									
Over-the-counter	254	79	333	3,910	935	940	895	800	658
Exchange-traded	1,310	-	1,310	6,298	195	170	140	137	120
	<b>1,564</b>	<b>79</b>	<b>1,643</b>	<b>10,208</b>	<b>1,130</b>	1,110	1,035	937	778
<b>Precious metal derivatives</b>									
Over-the-counter	41	2	43	128	88	100	66	74	55
Exchange-traded	-	-	-	53	2	9	7	4	1
	<b>41</b>	<b>2</b>	<b>43</b>	<b>181</b>	<b>90</b>	109	73	78	56
<b>Other commodity derivatives</b>									
Over-the-counter	4,106	2	4,108	6,246	1,788	1,366	997	778	866
Exchange-traded	17	-	17	2,506	100	69	57	45	52
	<b>4,123</b>	<b>2</b>	<b>4,125</b>	<b>8,752</b>	<b>1,888</b>	1,435	1,054	823	918
<b>RWA related to non-trade exposures to central counterparties</b>					<b>306</b>	313	287	284	213
<b>RWA related to CVA capital charge</b>					<b>7,174</b>	7,792	6,898	7,181	7,202
<b>Total derivatives</b>	<b>9,448</b>	<b>830</b>	<b>10,278</b>	<b>30,764</b>	<b>14,189</b>	14,943	13,207	13,789	14,156

(1) Current replacement cost reflects the current mark-to-market value of derivatives offset by eligible financial collateral, where present.

(2) Under IMM, expected effective positive exposure is used, which computes through simulation, the expected exposures with consideration to the expected movements in underlying risk factor and netting/collateral agreements. The EAD is calculated as expected effective positive exposure multiplied by the prescribed alpha factor of 1.4. The EAD under SA-CCR is calculated as the sum of replacement cost and potential future exposure, multiplied by the prescribed alpha factor of 1.4.

## AIRB CREDIT RISK EXPOSURE - LOSS EXPERIENCE <sup>(1)</sup>

	Q4/21		Q3/21		Q2/21		Q1/21		Q4/20	
	Expected loss rate %	Actual loss rate %	Expected loss rate %	Actual loss rate %	Expected loss rate %	Actual loss rate %	Expected loss rate %	Actual loss rate %	Expected loss rate %	Actual loss rate %
<b>Business and government portfolios</b>										
Corporate	0.61	0.12	0.54	0.15	0.49	0.27	0.46	0.39	0.50	0.32
Sovereign	0.01	-	0.01	-	0.01	-	0.01	-	0.01	-
Banks	0.13	-	0.13	-	0.11	-	0.09	-	0.10	-
<b>Retail portfolios</b>										
Real estate secured personal lending	0.10	0.01	0.12	0.01	0.14	0.01	0.12	0.01	0.12	0.01
Qualifying revolving retail	3.38	2.11	3.05	2.15	3.59	2.16	3.45	1.95	3.42	2.28
Other retail	1.73	0.34	1.77	0.41	2.14	0.50	1.87	0.54	2.02	0.58

(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.

## AIRB CREDIT RISK EXPOSURE - BACK-TESTING <sup>(1)</sup>

	Q4/21						Q3/21					
	Average estimated PD %	Actual default rate % <sup>(2)</sup>	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %	Average estimated PD %	Actual default rate % <sup>(2)</sup>	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %
<b>Business and government portfolios <sup>(3)</sup></b>												
Corporate	3.78	0.17	43.23	24.24	76.94	89.84	3.33	0.26	39.87	21.44	78.56	86.88
Sovereign	1.04	0.04	-	-	96.06	9.50	1.04	0.05	-	-	95.89	9.50
Banks	4.51	-	n/a	n/a	81.52	-	4.52	-	n/a	n/a	83.83	-
<b>Retail portfolios <sup>(4)</sup></b>												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.50	0.47	19.40	7.31	n/a	n/a	0.65	0.52	19.87	9.94	n/a	n/a
Insured residential mortgages	0.63	0.58	n/a	n/a	n/a	n/a	0.79	0.60	n/a	n/a	n/a	n/a
Home equity line of credit	0.29	0.24	35.91	12.62	92.53	88.86	0.28	0.30	39.18	12.21	93.18	85.98
Qualifying revolving retail	0.96	0.71	88.88	86.21	102.10	98.57	0.99	0.73	88.35	86.93	102.90	99.45
Other retail	1.93	1.08	77.89	61.36	93.05	83.85	2.26	1.18	78.76	62.22	93.92	84.19
	Q2/21						Q1/21					
	Average estimated PD %	Actual default rate % <sup>(2)</sup>	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %	Average estimated PD %	Actual default rate % <sup>(2)</sup>	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %
<b>Business and government portfolios <sup>(3)</sup></b>												
Corporate	3.40	0.33	37.71	23.15	80.01	78.57	3.10	1.25	38.65	21.93	77.99	77.89
Sovereign	1.07	0.05	-	-	94.85	89.46	1.07	0.05	-	-	94.59	89.46
Banks	4.47	-	n/a	n/a	90.57	-	4.46	0.17	n/a	n/a	90.90	100.00
<b>Retail portfolios <sup>(4)</sup></b>												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.56	0.54	19.28	7.70	n/a	n/a	0.53	0.50	18.97	8.54	n/a	n/a
Insured residential mortgages	0.74	0.66	n/a	n/a	n/a	n/a	0.70	0.62	n/a	n/a	n/a	n/a
Home equity line of credit	0.28	0.30	39.04	11.26	94.99	90.64	0.28	0.28	38.36	18.52	95.69	97.93
Qualifying revolving retail	1.34	0.87	88.22	84.73	98.36	96.72	1.32	0.91	88.12	85.49	91.00	85.04
Other retail	1.88	1.32	80.34	65.13	93.74	83.01	1.93	1.43	79.68	63.31	91.47	80.08

(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 2021 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 on 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 capital floor based on the standardized approach is also calculated by banks under the AIRB approach for credit risk and an adjustment to RWA may be required as prescribed by OSFI.

**Asset/liability management (ALM)**

The practice of managing risks that arise from mismatches between the assets and liabilities, mainly in the non-trading areas of the bank. Techniques are used to manage the relative duration of CIBC's assets (such as loans) and liabilities (such as deposits), in order to minimize the adverse impact of changes in interest rates.

**Bail-in eligible liabilities**

Bail-in eligible liabilities include long-term (i.e., original maturity over 400 days), unsecured senior debt issued on or after September 23, 2018 that is tradable and transferrable, and any preferred shares and subordinated debt that are not considered non-viability contingent capital (NVCC). Consumer deposits, secured liabilities (including covered bonds), certain financial contracts (including derivatives) and certain structured notes are not bail-in eligible.

**Bank exposures**

All direct credit risk exposures to deposit-taking institutions and regulated securities firms, and exposures guaranteed by those entities.

**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 clear 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.

**Comprehensive approach for SFTs**

A framework for the measurement of counterparty credit risk with respect to SFTs, which utilizes a volatility-adjusted collateral value to reduce the amount of the exposure.

**Common Equity Tier 1 (CET1), Tier 1 and Total capital ratios**

CET1, Tier 1 and total regulatory capital, divided by RWA, as defined by OSFI's CAR Guideline, which is based on BCBS standards.

**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 and other receivables 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 model method (IMM) for counterparty credit risk**

Models, which have been developed by CIBC and approved by OSFI, for the measurement of counterparty credit risk with respect to over-the-counter (OTC) derivatives.

**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 the Internal Assessment Approach (SEC-IAA) is available for certain securitization exposures extended to asset-backed commercial paper (ABCP) programs.

**Leverage ratio exposure**

The leverage ratio exposure is defined under the OSFI rules as on-balance sheet assets (unweighted) less Tier 1 capital regulatory adjustments plus derivative exposures, SFTs 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). While OSFI currently permits exposures arising from central bank reserves and sovereign-issued securities that qualify as High Quality Liquid Assets (HQLA) to be excluded from the exposure measure for leverage ratio purposes, the exclusion will no longer be available for sovereign-issued securities after December 31, 2021.

**Leverage ratio**

Defined as Tier 1 capital divided by the leverage ratio 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.

**Market risk**

The risk of economic financial loss in our trading and non-trading portfolios from adverse changes in underlying market factors, including interest rates, foreign exchange rates, equity market prices, commodity prices, credit spreads and customer behaviour for retail products.

**Master netting agreement**

An industry standard agreement designed to reduce the credit risk of multiple transactions with a counterparty through the creation of a legal right of offset of exposures in the event of a default by that counterparty and through the provision for net settlement of all contracts through a single payment.

**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.

**Other off-balance sheet exposure**

The amount of credit risk exposure resulting from the issuance of guarantees and letters of credit.

**Other retail**

This exposure class includes all loans other than qualifying revolving retail and real estate secured personal lending that are extended to individuals and small businesses under the regulatory capital reporting framework.

**Over-the-counter derivatives exposure**

The amount of credit risk exposure resulting from derivatives that trade directly between two counterparties, rather than through exchanges.

**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 based on through-the-cycle assumptions for regulatory capital purposes, and 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**

Regulatory capital, as defined by OSFI's CAR 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 in 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. On March 27, 2020, OSFI introduced transitional arrangements for the capital treatment of expected loss provisioning, such that part of the allowances that would otherwise be included in Tier 2 capital will instead qualify for inclusion in CET1 capital subject to certain adjustments and limitations until fiscal year 2022. AT1 capital primarily includes NVCC preferred shares, Limited Recourse Capital Notes, 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 general allowances, and qualifying instruments issued by a consolidated subsidiary to third parties. Total capital is comprised of Tier 1 capital plus Tier 2 capital. Qualifying regulatory capital instruments must be capable of absorbing loss at the point of non-viability of the financial institution; non-qualifying capital instruments were excluded from regulatory capital at a rate of 10% per annum commencing January 1, 2013 through to November 1, 2021.

**Repo-style transactions exposure**

The amount of credit risk exposure resulting from our securities bought or sold under resale agreements, as well as securities borrowing and lending activities.

**Resecuritization**

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

**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.

**Risk-weighted assets (RWA)**

RWA consist of three components: (i) RWA for credit risk, which are calculated using the AIRB and standardized approaches, (ii) RWA for market risk, and (iii) RWA for operational risk. The AIRB RWA are calculated using PDs, LGDs, EADs, and in some cases maturity adjustments, while the standardized approach applies risk weighting factors specified in the OSFI guidelines to on- and off-balance sheet exposures. The RWA for market risk in the trading portfolio are based on the internal models approved by OSFI with the exception of the RWA for traded securitization assets where we are using the methodology defined by OSFI. The RWA for operational risk, which relate to the risk of losses resulting from people, inadequate or failed internal processes, and systems or from external events, are calculated under a standardized approach.

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 RWA.

**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 from 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 CAR Guideline. 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) measure**

Is defined as the sum of Total capital and bail-in-eligible liabilities that have a residual maturity greater than one year. Bail-in-eligible liabilities include long-term (original maturity over 400 days), unsecured senior debt issued on or after September 23, 2018, that is tradable and transferrable, and any preferred shares and subordinated debt that are not NVCC. Consumer deposits, secured liabilities (for example, covered bonds), eligible financial contracts (for example derivatives) and certain structured notes are excluded from the bail-in power.

**Total loss absorbing capacity ratio**

Defined as TLAC measure divided by risk-weighted assets determined in accordance with guidelines issued by OSFI, which are based on BCBS standards.

**Total loss absorbing capacity leverage ratio**

Defined as TLAC measure divided by leverage ratio exposure measure determined in accordance with guidelines issued by OSFI, which are based on BCBS standards.

**Transitional arrangements for capital treatment of expected loss provisioning**

On March 27, 2020 OSFI introduced transitional arrangements for expected credit loss provisioning. These arrangements results in a portion of allowances that would otherwise be included in Tier 2 capital qualifying for inclusion in CET1 capital. The amount of ECL allowances eligible for inclusion in CET1 capital is determined based on the increase in stage 1 and stage 2 allowances relative to balances as at January 31, 2020 as a baseline. This amount is then adjusted for tax effects and is subject to a scaling factor that will decrease over time. The scaling factor has been set at 70% for fiscal 2020, 50% for fiscal 2021, and 25% for fiscal 2022. For exposures under the IRB approach, the lower of this amount and excess allowances eligible for inclusion in Tier 2 capital is included as CET1 capital under the transitional arrangements.

**Value-at-Risk (VaR)**

Generally accepted risk measure that uses statistical models to estimate the distribution of possible returns on a given portfolio at a specified level of confidence and time horizon.