



Supplemental Regulatory Disclosure

For the Fourth Quarter Ended October 31, 2023

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Introduction

The information contained in this package is designed to facilitate the readers' understanding of the capital requirements of TD Bank Group ("TD" or the "Bank"). This information should be used in conjunction with the Bank's fourth quarter 2023 Earnings News Release, Investor Presentation, and the Supplemental Financial Information package, as well as the Bank's 2023 Annual Report. For Basel-related terms and acronyms used in this package, refer to the "Glossary – Basel" and "Acronyms" pages, respectively.

How the Bank Reports

The Bank prepares its Consolidated Financial Statements in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board, the current generally accepted accounting principles, and refers to results prepared in accordance with IFRS as "reported" results. Certain comparative amounts have been revised to conform with the presentation adopted in the current period.

Information reported in the Supplemental Regulatory Disclosure are prepared in accordance with the Office of the Superintendent of Financial Institutions Canada's (OSFI's) Capital Adequacy Requirements (CAR), Leverage Requirements and Total Loss Absorbing Capacity (TLAC) guidelines. In addition, the disclosures are prepared in accordance with the Pillar 3, Capital Disclosure, Leverage Ratio Disclosure Requirements, and TLAC Disclosure Requirement guidelines.

As noted in the Pillar 3 disclosure Index on the following pages, the disclosures are grouped by topic. Of note, Credit Risk consists of credit risk exposures excluding counterparty credit risk (CCR) and includes drawn, undrawn and other off-balance sheet exposures whereas CCR includes repo-style transactions and derivative exposures. The glossary provides additional details of items included in these exposure types.

On February 1, 2023, OSFI implemented revised capital rules that incorporate the Basel III reforms with adjustments to make them suitable for domestic implementation. These revised rules include revisions to the calculation of credit risk and operational risk requirements, and revisions to the Leverage Requirements Guideline to include a requirement for Domestic Systemically Important Banks (D-SIBs) to hold a leverage ratio buffer of 0.50% in addition to the regulatory minimum requirement of 3.0%. This buffer will also apply to the TLAC leverage ratio supervisory target of 6.75%.

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Pillar 3 Disclosure Requirements – In January 2015, the Basel Committee on Banking Supervision (BCBS) published the standard for the *Revised Pillar 3 Disclosure Requirements* (Revised Basel Pillar 3 standard). The Revised Basel Pillar 3 standard aim to address the problems identified through the financial crisis and to improve comparability and consistency of financial regulatory disclosures through more standardized formats between banks and across jurisdictions. Furthermore, OSFI issued the Pillar 3 Disclosure Requirements guideline April 2017, effective October 31, 2018 and subsequently issued the Pillar 3 Disclosure Guideline for Domestic Systemically Important Banks (D-SIBs) January 2022, effective February 1, 2023. The index below reflects the most recent updates and lists the location of the related disclosures presented in the fourth quarter 2023, Report to Shareholders (RTS), or Supplemental Financial Information (SFI), or Supplemental Regulatory Disclosures (SRD). Information on TD's website, SFI, and SRD is not and should not be considered incorporated herein by reference into the 2023 Annual Report, Management's Discussion and Analysis, or the Consolidated Financial Statements.

Topic	Pillar 3 Disclosure Requirements	Page			
		Frequency	SFI Fourth Quarter 2023	SRD Fourth Quarter 2023	Annual Report 2023
Overview of risk management	OVA – Bank risk management approach.	Annual			16, 64, 70-83, 92, 109
	OV1 – Overview of Risk-Weighted Assets (RWA).	Quarterly		13	
	KM1 – Key metrics (at consolidated group level).	Quarterly		7	
	KM2 – Key Metrics – TLAC requirements.	Quarterly		8	
Linkages between financial statements and regulatory exposures	LI1 – Differences between accounting and regulatory scopes of consolidation and mapping of financial statements with regulatory risk categories.	Quarterly		18	
	LI2 – Main sources of differences between regulatory exposure amounts and carrying values in financial statements.	Quarterly		19	
	LIA – Explanations of differences between accounting and regulatory exposure amounts.	Quarterly		19	
	PV1 – Prudential valuation adjustments (PVA).	N/A			
Composition of capital and TLAC ¹	CC1 – Composition of regulatory capital.	Quarterly		1-3	
	CC2 – Reconciliation of regulatory capital to balance sheet.	Quarterly		5	
	CCA – Main features of regulatory capital instruments and of other TLAC-eligible instruments ² .	Quarterly			
	TLAC1 – TLAC composition (at resolution group level).	Quarterly		9	
	TLAC2 – Material subgroup entity – creditor ranking at legal entity level.	Quarterly		10	
	TLAC3 – Resolution entity – creditor ranking at legal entity level.	Quarterly		11	
Leverage ratio	LR1 – Summary comparison of accounting assets versus leverage ratio exposure measure.	Quarterly		6	
	LR2 – Leverage ratio common disclosure template.	Quarterly		6	
Credit risk	CRA – General information about credit risk.	Annual			79-81, 83-86
	CR1 – Credit quality of assets.	Quarterly		20-21	
	CR2 – Changes in stock of defaulted loans and debt securities ⁴ .	Quarterly			
	CRB – Additional disclosure related to the credit quality of assets a) to d).	Annual			87, 147, 154-155, 179
	CRB – Additional disclosure related to the credit quality of assets – e) Breakdown of exposures by geographical areas, industry and residual maturity ⁴ .	Quarterly		23-25	

Topic	Pillar 3 Disclosure Requirements (Continued)	Frequency	Page		
			SFI Fourth Quarter 2023	SRD Fourth Quarter 2023	Annual Report 2023
Credit risk	CRB – Additional disclosure related to the credit quality of assets – f) Amounts of impaired exposures (according to definition used by the bank for accounting purposes) and related allowances and write-offs broken down by geographical areas and industry.	Quarterly	26-28, 30-32		
	CRB – Additional disclosure related to the credit quality of assets – g) Ageing analysis of accounting past-due exposures ⁴ .	Quarterly			147, 179
	CRB – Additional disclosure related to the credit quality of assets – h) Breakdown of restructured exposures between impaired and not impaired exposures.	Annual		20-21	
	CRC – Qualitative disclosure requirements related to credit risk mitigation techniques.	Annual			87
	CR3 – Credit risk mitigation techniques – overview.	Quarterly		22	
	CRD – Qualitative disclosures on banks' use of external credit ratings under the standardized approach (SA) for credit risk.	Annual			86
	CR4 – Standardized approach – credit risk exposure and Credit Risk Mitigation (CRM) effects.	Quarterly		26-27	
	CR5 – Standardized approach – exposures by asset classes and risk weights.	Quarterly		28-32	
	CRE – Qualitative disclosures related to IRB models.	Annual			79-81, 84-87, 96
	CR6 – IRB – Credit risk exposures by portfolio and probability of default (PD) range.	Quarterly		33-49	
	CR7 – IRB – Effect on RWA of credit derivatives used as CRM techniques.	N/A	Impact is immaterial and has been disclosed in CR3, footnote 3.		
	CR8 – RWA flow statements of credit risk exposures under IRB.	Quarterly		16	
	CR9 – IRB – Backtesting of PD per portfolio.	Annual		76-77	
	CR10 – IRB (specialized lending under the slotting approach).	N/A	Not applicable to TD.		
Counterparty credit risk	CCRA – Qualitative disclosure related to CCR.	Annual			86-87, 102
	CCR1 – Analysis of CCR exposure by approach.	Quarterly		50-51	
	CCR2 – CVA capital charge.	Quarterly		52	
	CCR3 – Standardized approach of CCR exposures by regulatory portfolio and risk weights.	Quarterly		53-54	
	CCR4 – IRB – CCR exposures by portfolio and PD scale.	Quarterly		55-61	
	CCR5 – Composition of collateral for CCR exposure.	Quarterly		62	
	CCR6 – Credit derivatives exposures.	Quarterly		63	
	CCR7 – RWA flow statements of CCR exposures under the Internal Model Method (IMM).	N/A	TD does not use IMM.		
	CCR8 – Exposures to central counterparties.	Quarterly		63	

Topic	Pillar 3 Disclosure Requirements (Continued)	Frequency	Page		
			SFI Fourth Quarter 2023	SRD Fourth Quarter 2023	Annual Report 2023
Securitization	SECA – Qualitative disclosure requirements related to securitization exposures.	Annual			68-69, 88, 151, 181-183
	SEC1 – Securitization exposures in the banking book.	Quarterly		67-68	
	SEC2 – Securitization exposures in the trading book.	Quarterly		69-70	
	SEC3 – Securitization exposures in the banking book and associated regulatory capital requirements – bank acting as originator or as sponsor.	Quarterly		71-72	
	SEC4 – Securitization exposures in the banking book and associated capital requirements – bank acting as investor.	Quarterly		73-74	
Macroprudential supervisory measures	GSIB1 – Disclosure of G-SIB indicators ⁵ .	Annual			
	CCyB1 – Geographical distribution of credit exposures used in the countercyclical buffer.	Quarterly		12	
Liquidity	LIQA – Liquidity risk management.	Annual			97-101
	LIQ1 – Liquidity Coverage Ratio (LCR).	Quarterly			103
	LIQ2 – Net Stable Funding Ratio (NSFR).	Quarterly			104
Asset encumbrance	ENC – Asset encumbrance.	Quarterly			100-101
Market risk ⁴	MRA – General qualitative disclosure requirements related to market risk.		TD has deferred these disclosures as allowed per OSFI's Pillar 3 guideline issued April 2017. New market risk disclosures will be reported starting 2024.		
	MRB – Qualitative disclosures for banks using the Internal Models Approach (IMA).				
	MR1 – Market risk under the standardized approach.				
	MR2 – Market risk for banks using the IMA.				
Comparison of modelled & standardized RWA	CMS1 – Comparison of modelled and standardized RWA at risk level.	Quarterly		14	
	CMS2 – Comparison of modelled and standardized RWA for credit risk at asset class.	Quarterly		15	
Operational Risk	ORA – General qualitative information on a bank's operational risk framework.	Annual			94-96
	OR1 – Historical losses.	Annual		78	
	OR2 – Business indicator and subcomponents.	Annual		78	
	OR3 – Minimum required operational risk capital.	Annual		78	
Interest Rate Risk in the Banking Book	IRRBB Disclosure.	Annual			92-93

Topic	Pillar 3 Disclosure Requirements (Continued)		Page		
		Frequency	SFI Fourth Quarter 2023	SRD Fourth Quarter 2023	Annual Report 2023
Remuneration ⁷	Remuneration – Table A.	Annual			
	REMA – Remuneration policy.	Annual			
	REM1 – Remuneration awarded during the financial year.	Annual			
	REM2 – Special payments.	Annual			
	REM3 – Deferred remuneration.	Annual			

¹ Total loss absorbing capacity (TLAC).

² CCA is available at <https://www.td.com/investor-relations/ir-homepage/regulatory-disclosures/main-features-of-capital-instruments/main-features-of-capital-instruments.jsp>.

³ Not applicable.

⁴ Current disclosures in SFI and annual report do not contain any exposures related to the deconsolidated insurance entities, therefore the Pillar 3 requirements are fulfilled based on current disclosure.

⁵ For GSIB1, refer to the first quarter 2023 RTS.

⁶ Value-at-Risk.

⁷ Remuneration disclosures will be included in the 2023 Proxy Circular.

Capital Position – Basel III (CC1)

(\$ millions)
As at

Common Equity Tier 1 Capital

Common shares plus related contributed surplus
Retained earnings
Accumulated other comprehensive income (loss)
Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1²)

Common Equity Tier 1 Capital before regulatory adjustments

Common Equity Tier 1 Capital regulatory adjustments

Prudential valuation adjustments
Goodwill (net of related tax liability)
Intangibles (net of related tax liability)
Deferred tax assets excluding those arising from temporary differences
Cash flow hedge reserve
Shortfall of provisions to expected losses
Securitization gain on sale
Gains and losses due to changes in own credit risk on fair valued liabilities
Defined benefit pension fund net assets (net of related tax liability)
Investment in own shares
Reciprocal cross holdings in common equity
Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)
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)
Mortgage servicing rights (amount above 10% threshold)
Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability)
Amount exceeding the 15% threshold
of which: significant investments in the common stock of financials
of which: mortgage servicing rights
of which: deferred tax assets arising from temporary differences
Equity investments in funds subject to the fall-back approach
Other deductions or regulatory adjustments to CET1 as determined by OSFI
Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 and Tier 2 to cover deductions

Total regulatory adjustments to Common Equity Tier 1 Capital

Common Equity Tier 1 Capital

Common Equity Tier 1 Capital with transitional arrangements for ECL provisioning not applied

Additional Tier 1 capital instruments

Directly issued qualifying Additional Tier 1 instruments plus stock surplus
of which: classified as equity under applicable accounting standards
of which: classified as liabilities under applicable accounting standards
Additional Tier 1 instruments issued by subsidiaries and held by third parties

Additional Tier 1 capital instruments before regulatory adjustments

Additional Tier 1 capital instruments regulatory adjustments

Investment in own Additional Tier 1 instruments
Reciprocal cross holdings in Additional Tier 1 instruments
Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)
Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions
Other deductions from Tier 1 capital as determined by OSFI
of which: Reverse mortgages

Regulatory adjustments applied to Additional Tier 1 due to insufficient Tier 2 to cover deductions

Total regulatory adjustments to Additional Tier 1 Capital

Additional Tier 1 Capital

Tier 1 Capital

Tier 1 Capital with transitional arrangements for ECL provisioning not applied

LINE #	Q4	2023 Q3	Q2	Q1	2022 Q4	Cross Reference ¹
1	\$ 25,522	\$ 26,026	\$ 25,912	\$ 25,174	\$ 24,449	A1+A2+B
2	73,044	74,659	74,849	73,501	73,698	C
3	2,750	735	4,108	1,923	1,988	D
4	—	—	—	—	—	
5	101,316	101,420	104,869	100,598	100,135	
6	—	—	—	—	—	
7	(18,424)	(17,641)	(18,016)	(17,134)	(17,498)	E1-E2
8	(2,606)	(2,545)	(2,496)	(2,133)	(2,100)	F1-F2
9	(207)	(114)	(96)	(85)	(83)	G
10	5,571	5,116	3,678	4,033	5,783	H
11	—	—	—	—	—	I
12	—	—	—	—	—	
13	(379)	(229)	(294)	(152)	(502)	J
14	(908)	(1,001)	(1,129)	(1,132)	(1,038)	K1-K2
15	(21)	(16)	(18)	(18)	(9)	
16	—	—	—	—	—	
17	(1,976)	(2,000)	(2,135)	(1,649)	(1,428)	L1+L2
18	—	—	—	—	—	
19	—	—	—	—	—	
20	—	—	—	—	—	
21	—	—	—	—	—	
22	—	—	—	—	—	
23	—	—	—	—	—	
24	—	—	—	—	—	
25	(49)	(37)	(35)	n/a	n/a	M
26	—	—	—	—	411	
27	—	—	—	—	—	
28	(18,999)	(18,467)	(20,541)	(18,270)	(16,464)	
29	82,317	82,953	84,328	82,328	83,671	
29a	n/a	n/a	n/a	n/a	83,260	
30	10,791	11,244	11,245	11,246	11,248	N+O+P
31	10,791	11,244	11,245	11,246	11,248	
32	—	—	—	—	—	
33	—	—	—	—	—	
34	10,791	11,244	11,245	11,246	11,248	
35	—	—	—	—	—	
36	—	—	—	—	—	
37	(6)	(6)	(112)	(138)	(124)	Q
38	(350)	(350)	(350)	(350)	(350)	R
39	—	—	—	—	—	
39a	—	—	—	—	—	
40	—	—	—	—	—	
41	(356)	(356)	(462)	(488)	(474)	
42	10,435	10,888	10,783	10,758	10,774	
43	92,752	93,841	95,111	93,086	94,445	
43a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ 94,034	

¹ Cross referenced to the Reconciliation with Balance Sheet Under Regulatory Scope of Consolidation table on page 5.

² Common Equity Tier 1 (CET1).

Capital Position – Basel III (CC1) (Continued)

(\$ millions)

As at

Tier 2 capital instruments and provisions

Directly issued qualifying Tier 2 instruments plus related stock surplus

Tier 2 instruments issued by subsidiaries and held by third parties

Collective allowance

Tier 2 Capital before regulatory adjustments

Tier 2 regulatory adjustments

Investments in own Tier 2 instruments

Reciprocal cross holding in Tier 2 instruments and Other TLAC-eligible instruments

Non-significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by global systemically important banks (G-SIBs) and Canadian domestic systemically important banks (D-SIBs) that are outside the scope of regulatory consolidation, where the institution does not own more than 10% of the issued common share capital of the entity (amount above 10% threshold)

Non-significant investments in the other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs, where the institution does not own more than 10% of the issued common share capital of the entity: amount previously designated for the 5% threshold but that no longer meets the conditions

Significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation

Other deductions from Tier 2 capital

Total regulatory adjustments to Tier 2 Capital

Tier 2 Capital

Total Capital

Total Capital with transitional arrangements for ECL provisioning not applied

Total risk-weighted assets

Capital Ratios

Common Equity Tier 1 Capital (as percentage of RWA)

Common Equity Tier 1 Capital Ratio with transitional arrangements for ECL provisioning not applied

Tier 1 Capital Ratio

Tier 1 Capital Ratio with transitional arrangements for ECL provisioning not applied

Total Capital (as percentage of RWA)

Total Capital Ratio with transitional arrangements for ECL provisioning not applied

Buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIBs buffer plus D-SIBs buffer requirement expressed as percentage of RWA)^{2,3}

of which: capital conservation buffer requirement

of which: bank-specific countercyclical buffer requirement⁴

of which: G-SIB buffer requirement⁵

of which: D-SIB buffer requirement

Common Equity Tier 1 available to meet buffers (as percentage of RWA)

OSFI target (minimum plus conservation buffer plus D-SIB surcharge (if applicable))⁶

Common Equity Tier 1 target ratio

Tier 1 target ratio

Total Capital target ratio

LINE #	Q4	Q3	2023	Q2	Q1	2022	Cross Reference ¹
						Q4	
44	\$ 9,424	\$ 11,067	\$ 11,166	\$ 11,138	\$ 11,090		S
45	—	—	—	—	—		
46	1,964	2,150	2,143	2,265	2,018		T
47	11,388	13,217	13,309	13,403	13,108		
48	—	—	—	—	—		
49	—	—	—	—	—		
50	(196)	(194)	(232)	(220)	(161)		U
50a	(136)	(125)	(68)	(77)	(57)		V
51	(160)	(160)	(160)	(160)	(160)		W
52	—	—	—	—	—		
53	(492)	(479)	(460)	(457)	(378)		
54	10,896	12,738	12,849	12,946	12,730		
55	103,648	106,579	107,960	106,032	107,175		
55a	n/a	n/a	n/a	n/a	107,175		
56	\$ 571,161	\$ 544,880	\$ 549,398	\$ 531,644	\$ 517,048		
57	14.4 %	15.2 %	15.3 %	15.5 %	16.2 %		
57a	n/a	n/a	n/a	n/a	16.1		
58	16.2	17.2	17.3	17.5	18.3		
58a	n/a	n/a	n/a	n/a	18.2		
59	18.1	19.6	19.7	19.9	20.7		
59a	n/a	n/a	n/a	n/a	20.7		
60	8.0	8.0	8.0	8.0	8.0		
61	2.5	2.5	2.5	2.5	2.5		
62	—	—	—	—	—		
63	1.0	1.0	1.0	1.0	1.0		
63a	—	—	—	—	—		
64	9.8	10.7	10.8	11.0	11.7		
65	8.0	8.0	8.0	8.0	8.0		
66	9.5	9.5	9.5	9.5	9.5		
67	11.5	11.5	11.5	11.5	11.5		

¹ Cross referenced to the Reconciliation with Balance Sheet Under Regulatory Scope of Consolidation table on page 5.

² The minimum CET1 requirement prior to the buffers is 4.5%.

³ The Financial Stability Board (FSB), in consultation with BCBS and national authorities, has identified the 2022 list of G-SIBs, using 2021 fiscal year-end data. The Bank was identified as a G-SIB on November 22, 2019.

⁴ The countercyclical buffer surcharge is in effect.

⁵ Common equity capital G-SIB surcharge is in effect.

⁶ Reflects Pillar 1 targets and does not include Pillar 2 domestic stability buffer. Effective February 1, 2023, the buffer is 3%.

Capital Position – Basel III (CC1) (Continued)

(\$ millions, except as noted)

As at

Amounts below the thresholds for deduction (before risk weighting)

Non-significant investments in the capital and Other TLAC-eligible instruments of other financial entities

Significant investments in the common stock of financials

Mortgage servicing rights (net of related tax liability)

Deferred tax assets arising from temporary differences (net of related tax liability)

Applicable caps on the inclusion of allowances in Tier 2

Allowance eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)

Cap on inclusion of allowances in Tier 2 under standardized approach

Allowance eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)

Cap on inclusion of allowances in Tier 2 under internal ratings-based approach

Capital Ratios for significant bank subsidiaries

TD Bank, National Association (TD Bank, N.A.)⁷

Common Equity Tier 1 Capital

Tier 1 Capital

Total Capital

TD Mortgage Corporation

Common Equity Tier 1 Capital

Tier 1 Capital

Total Capital

LINE #	2023				2022
	Q4	Q3	Q2	Q1	Q4
68	\$ 8,430	\$ 8,495	\$ 8,646	\$ 8,397	\$ 8,510
69	2,465	2,436	3,096	2,377	2,070
70	92	90	95	97	104
71	1,031	1,175	1,131	1,295	1,140
72	8	8	9	277	300
73	8	8	9	236	247
74	1,956	2,144	2,181	2,029	2,182
75	1,956	2,142	2,134	2,029	2,182
76	18.0 %	17.9 %	17.6 %	17.8 %	17.7 %
77	18.0	17.9	17.6	17.8	17.7
78	19.1	18.9	18.6	18.8	18.8
79	41.9	41.3	40.1	42.4	42.5
80	41.9	41.3	40.1	42.4	42.5
81	41.9	41.3	40.1	42.4	42.5

⁷ On a stand-alone basis, TD Bank, N.A. reports regulatory capital to the Office of the Comptroller of the Currency on calendar quarter ends.

Flow Statement for Regulatory Capital¹

(\$ millions)

Common Equity Tier 1

Balance at beginning of period
New capital issues
Redeemed capital ²
Gross dividends (deductions)
Shares issued in lieu of dividends (add back)
Profit attributable to shareholders of the parent company ³
Removal of own credit spread (net of tax)
Movements in other comprehensive income
Currency translation differences
Available-for-sale investments
Financial assets at fair value through other comprehensive income
Other
Goodwill and other intangible assets (deduction, net of related tax liability)
Other, including regulatory adjustments and transitional arrangements
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)
Prudential valuation adjustments
Other

Balance at end of period

Additional Tier 1 Capital

Balance at beginning of period
New additional Tier 1 eligible capital issues
Redeemed capital
Other, including regulatory adjustments and transitional arrangements

Balance at end of period

Total Tier 1 Capital

Tier 2 Capital

Balance at beginning of period
New Tier 2 eligible capital issues
Redeemed capital
Amortization adjustments
Allowable collective allowance
Other, including regulatory adjustments and transitional arrangements

Balance at end of period

Total Regulatory Capital

LINE #	2023				2022
	Q4	Q3	Q2	Q1	Q4
1	\$ 82,953	\$ 84,328	\$ 82,328	\$ 83,671	\$ 73,975
2	6	6	45	26	23
3	(3,104)	(1,181)	—	—	—
4	(1,920)	(1,832)	(1,964)	(1,829)	(1,720)
5	127	175	713	705	596
6	2,886	2,963	3,351	1,582	6,671
7	(150)	65	(142)	350	(154)
8	3,162	(1,789)	1,296	(2,040)	4,335
9	n/a	n/a	n/a	n/a	n/a
10	(370)	94	61	3	(209)
11	(322)	(240)	473	222	(688)
12	(844)	326	(1,245)	331	(1,037)
13	(93)	(18)	(11)	(2)	19
14	—	—	—	—	—
15	(14)	56	(577)	(691)	1,860
16	82,317	82,953	84,328	82,328	83,671
17	10,888	10,783	10,758	10,774	6,759
18	—	—	—	—	3,903
19	(400)	—	—	—	—
20	(53)	105	25	(16)	112
21	10,435	10,888	10,783	10,758	10,774
22	92,752	93,841	95,111	93,086	94,445
23	12,738	12,849	12,946	12,730	12,448
24	—	—	—	—	—
25	(1,750)	—	—	—	—
26	—	—	—	—	—
27	(186)	7	(122)	247	53
28	94	(118)	25	(31)	229
29	10,896	12,738	12,849	12,946	12,730
30	\$ 103,648	\$ 106,579	\$ 107,960	\$ 106,032	\$ 107,175

¹ The statement is based on the applicable regulatory rules in force at the period end.

² Represents impact of shares repurchased for cancellation.

³ Profit attributable to shareholders of the parent company reconciles to the income statement.

Reconciliation with Balance Sheet Under Regulatory Scope of Consolidation (CC2)

(\$ millions)
As at

Cash and due from banks
Interest-bearing deposits with banks
Trading loans, securities, and other
Non-trading financial assets at fair value through profit or loss
Derivatives
Financial assets designated at fair value through profit or loss
Financial assets at fair value through other comprehensive income

Equity investments in funds subject to the fall-back approach
Non-Significant investments in financials (excluding Schwab)
Non-significant investments exceeding regulatory thresholds – CET1
Non-significant investments exceeding regulatory thresholds – Additional Tier 1
Non-significant investments exceeding regulatory thresholds – Tier 2
Non-significant investments previously designated for the 5% threshold but no longer meets the conditions
Non-significant investments not exceeding regulatory thresholds

Debt securities at amortized cost, net of allowance for credit losses
Securities purchased under reverse repurchase agreements
Loans

Allowance for loan losses
Eligible allowance reflected in Tier 2 regulatory capital
Shortfall of allowance to expected loss
Allowances not reflected in regulatory capital

Other
Investment in Schwab
Non-significant investments exceeding regulatory thresholds
Non-significant investments not exceeding regulatory thresholds
Goodwill
Other intangibles
Other intangibles (Mortgage Servicing Rights)
Deferred tax assets
Deferred tax assets (DTA) excluding those arising from temporary differences
DTA's (net of associated deferred tax liabilities (DTL)) realizable through net operating loss (NOL) carryback
DTA's (net of associated DTL's) arising from temporary differences but not realizable through NOL carryback
Other DTA/DTL adjustments⁴

Significant investments in financials
Significant investments exceeding regulatory thresholds
Significant investments not exceeding regulatory thresholds
Defined pension benefits
Other Assets

TOTAL ASSETS

LIABILITIES AND EQUITY

Trading deposits
Derivatives
Securitization liabilities at fair value
Financial liabilities designated at fair value through profit or loss
Deposits
Other
Deferred tax liabilities
Goodwill
Intangible assets (excluding mortgage servicing rights)
Defined benefit pension fund assets
Other deferred tax liabilities (Cash flow hedges and other DTL's)
Other DTA/DTL adjustments⁴
Gains and losses due to changes in own credit risk on fair value liabilities
Other liabilities

Subordinated notes and debentures
Directly issued qualifying Tier 2 instruments
Regulatory capital amortization of maturing debentures
Subordinated notes not allowed for regulatory capital

Liabilities

Common Shares
Preferred Shares and other equity instruments
Directly issued qualifying Additional Tier 1 instruments
Preferred shares not allowed for regulatory capital
Treasury Shares – Common
Treasury Shares – Preferred
Treasury Shares – non-viability contingent capital (NVCC) Preferred Shares
Contributed Surplus
Contributed surplus – Common Shares
Contributed surplus – Preferred Shares

Retained Earnings
Accumulated other comprehensive income (AOCI)
Cash flow hedges requiring derecognition
Net AOCI included as capital

TOTAL LIABILITIES AND EQUITY

¹ As per Balance Sheet on page 15 in the Supplemental Financial Information Package.

² Legal entities excluded from the regulatory scope of consolidation included the following insurance subsidiaries: Meloche Monnex Inc. (consolidated), TD Life Insurance Company, TD Reinsurance (Barbados) Inc., and Cowen Insurance which have total assets included in the consolidated Bank of \$11.4 billion and total equity of \$2.9 billion, of which \$350 million is deducted from additional Tier 1, and \$160 million is deducted from Tier 2 Capital. Cross referenced (R, W) respectively, to the Capital Position – Basel III on pages 1 and 2.

³ Cross referenced to the current period on the Capital Position – Basel III on pages 1 to 3.

⁴ This adjustment is related to deferred tax assets/liabilities netted for financial accounting purposes.

LINE #	2023 Q4		Cross Reference ³
	Balance Sheet ¹	Under Regulatory scope of consolidation ²	
1	\$ 6,721	\$ 6,710	
2	98,348	98,198	
3	152,090	152,090	
4	7,340	6,749	
5	87,382	87,387	
6	5,818	1,815	
7	69,865	66,607	
8		49	M
9		147	L1
10		6	Q
11		196	U
12		136	V
13		1,216	
14	308,016	307,989	
15	204,333	204,333	
16	903,083	903,083	
17	(7,136)	(7,136)	
18		(1,964)	T
19		–	I
20		(5,172)	
21	121,164	117,757	
22		1,829	L2
23		7,078	
24		18,602	E1
25		2,679	F1
26		92	
27		207	
28		1,031	G
29		2,748	
30		(105)	
31		–	
32		78	
33		1,254	K1
34		82,264	
35	1,957,024	1,945,582	
36	30,980	30,980	
37	71,640	71,640	
38	14,422	14,422	
39	192,130	192,130	
40	1,198,190	1,198,190	
41	327,935	316,493	
42		178	E2
43		73	F2
44		346	K2
45		(288)	
46		(105)	
47		379	J
48		315,910	
49	9,620	9,620	
50		9,424	S
51		–	
52		196	
53	1,844,917	1,833,475	
54	25,434	25,434	A1
55	10,853	10,853	
56		10,853	N
57			
58	(64)	(64)	A2
59	(65)	(65)	
60		(65)	O
61	155	155	
62		152	B
63		3	P
64	73,044	73,044	C
65	2,750	2,750	D
66		(5,571)	H
67		8,321	
68	\$ 1,957,024	\$ 1,945,582	

Leverage Ratio

(\$ millions, except as noted)
As at

Summary comparison of accounting assets vs. leverage ratio exposure measure (LR1)

Total consolidated assets as per published financial statements
Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation
Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transference
Adjustments for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure
Adjustments for derivative financial instruments
Adjustment for securities financing transactions (SFTs)
Adjustment for off-balance sheet items (credit equivalent amounts)
Other adjustments

Leverage Ratio Exposure

Leverage Ratio Common Disclosure Template (LR2)

On-balance sheet exposures

On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)
Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework
Deductions of receivables assets for cash variation margin provided in derivative transactions
Less: Asset amounts deducted in determining Tier 1 Capital

Total on-balance sheet exposures (excluding derivatives and SFTs)

Derivative exposures

Replacement cost associated with all derivative transactions (such as net of eligible cash variation margin)
Add-on amounts for potential future exposure (PFE) associated with all derivative transactions
Exempted central counterparty (CCP)-leg of client cleared trade exposures
Adjusted effective notional amount of written credit derivatives
Adjusted effective notional offsets and add-on deductions for written credit derivatives

Total derivative exposures

Securities financing transaction exposures

Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions
Netted amounts of cash payables and cash receivables of gross SFT assets
Counterparty credit risk (CCR) exposure for SFTs
Agent transaction exposures

Total securities financing transaction exposures

Other off-balance sheet exposures

Off-balance sheet exposure at gross notional amount
Adjustments for conversion to credit equivalent amounts
Off-balance sheet items

Capital on total exposures

Tier 1 Capital – "All-in" basis (line 43 on page 1)
Tier 1 Capital with transitional arrangements for ECL provisioning not applied

Total Exposures (sum of lines 14, 20, 25 and 28) – All-in basis

Leverage Ratio

Leverage Ratio with transitional arrangements for ECL provisioning not applied

LINE #	2023				2022 Q4	OSFI Template
	Q4	Q3	Q2	Q1		
1	\$ 1,957,024	\$ 1,887,075	\$ 1,926,452	\$ 1,928,284	\$ 1,917,528	1
2	(8,897)	(8,445)	(8,028)	(7,821)	(7,713)	2
3	(1,397)	(1,099)	(1,396)	(1,257)	(959)	3
4	–	–	–	–	–	4
5	6,088	14,525	12,246	9,996	(12,822)	5
6	(24,597)	(23,230)	(21,438)	(24,003)	(18,349)	6
7	223,820	217,908	216,771	206,613	200,941	7
8	(39,480)	(33,566)	(41,063)	(153,986)	(144,894)	8
9	\$ 2,112,561	\$ 2,053,168	\$ 2,083,544	\$ 1,957,826	\$ 1,933,732	9
10	\$ 1,634,505	\$ 1,589,965	\$ 1,623,385	\$ 1,534,114	\$ 1,516,770	1
11	–	–	–	–	–	2
12	(8,823)	(9,680)	(8,369)	(9,486)	(11,552)	3
13	(18,975)	(18,594)	(20,709)	(18,606)	(16,848)	4
14	1,606,707	1,561,691	1,594,307	1,506,022	1,488,370	5
15	36,218	32,475	34,387	35,374	41,542	6
16	58,628	55,505	53,967	56,417	54,534	7
17	–	–	–	–	–	8
18	8,567	8,782	8,786	9,461	7,816	9
19	(1,115)	(1,479)	(1,312)	(2,422)	(1,289)	10
20	102,298	95,283	95,828	98,830	102,603	11
21	204,333	201,517	198,074	170,365	160,167	12
22	(28,730)	(27,728)	(25,589)	(27,724)	(22,464)	13
23	4,133	4,497	4,153	3,720	4,115	14
24	–	–	–	–	–	15
25	179,736	178,286	176,638	146,361	141,818	16
26	770,427	763,318	756,455	711,041	697,807	17
27	(546,607)	(545,410)	(539,684)	(504,428)	(496,866)	18
28	223,820	217,908	216,771	206,613	200,941	19
29	92,752	93,841	95,111	93,086	94,445	20
30	n/a	n/a	n/a	n/a	94,034	20a
31	\$ 2,112,561	\$ 2,053,168	\$ 2,083,544	\$ 1,957,826	\$ 1,933,732	21
32	4.4 %	4.6 %	4.6 %	4.8 %	4.9 %	22
33	n/a	n/a	n/a	n/a	4.9	22a

Key Metrics – Consolidated Group Level (KM1)

(\$ millions, except as noted)

Available capital (amounts)

Common Equity Tier 1 (CET1)

Tier 1

Total capital

Risk-weighted assets (amounts)

Total risk-weighted assets (RWA)

Total RWA (pre-floor)

Risk-based capital ratios as a percentage of RWA

CET1 ratio

CET1 ratio (pre-floor)

Tier 1 ratio

Tier 1 ratio (pre-floor)

Total capital ratio

Total capital ratio (pre-floor)

Additional CET1 buffer requirements as a percentage of RWA

Capital conservation buffer requirement (2.5% from 2019)

Countercyclical buffer requirement

Bank G-SIB and/or D-SIB additional requirements

Total of bank CET1 specific buffer requirements

CET1 available after meeting the bank's minimum capital requirements

Basel III Leverage ratio

Total Basel III leverage ratio exposure measure

Basel III leverage ratio

LINE #	2023 Q4
1	\$ 82,317
2	92,752
3	103,648
4	571,161
4a	571,161
5	14.4 %
5b	14.4
6	16.2
6b	16.2
7	18.1
7b	18.1
8	2.5
9	—
10	1.0
11	3.5
12	9.8
13	\$ 2,112,561
14	4.4 %

Key Metrics – TLAC Requirements (KM2)

(\$ millions, except as noted)

Resolution group 1

Total loss absorbing capacity (TLAC) available

TLAC available with transitional arrangements for ECL provisioning not applied¹

Total RWA at the level of the resolution group

TLAC ratio: TLAC as a percentage of RWA (row 1 / row 2) %

TLAC ratio: TLAC as a percentage of RWA (row 1a / row 2) (%) available with transitional arrangements for ECL provisioning not applied¹

Leverage ratio exposure measure at the level of the resolution group

TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure (row 1 / row 4) %

TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure with transitional arrangements for ECL provisioning not applied (row 1a / row 4) %¹

Does the subordination exemption in the antepenultimate paragraph of Section 11 of the FSB TLAC

Term Sheet apply?

Does the subordination exemption in the penultimate paragraph of Section 11 of the FSB TLAC

Term Sheet apply?

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 (%)

LINE #	2023				2022 Q4
	Q4	Q3	Q2	Q1	
1	\$ 187,037	\$ 190,730	\$ 188,127	\$ 194,443	\$ 181,871
1a	n/a	n/a	n/a	n/a	181,871
2	571,161	544,880	549,398	531,644	517,048
3	32.7 %	35.0 %	34.2 %	36.6 %	35.2 %
3a	n/a	n/a	n/a	n/a	35.2
4	\$ 2,112,561	\$ 2,053,168	\$ 2,083,544	\$ 1,957,826	\$ 1,933,732
5	8.9 %	9.3 %	9.0 %	9.9 %	9.4 %
5a	n/a	n/a	n/a	n/a	9.4
6a	Yes	Yes	Yes	Yes	Yes
6b	No	No	No	No	No
6c	n/a	n/a	n/a	n/a	n/a

¹ Includes the transitional arrangements for expected credit loss provisioning provided by OSFI as announced on March 27, 2020. Lines 1a, 3a and 5a represent TLAC available with transitional arrangements for ECL provisioning not applied. Effective Q1 2023, no longer applicable.

TLAC Composition (TLAC1)

(\$ millions, except as noted)

Regulatory capital elements of TLAC and adjustments

Common Equity Tier 1 capital (CET1)

Additional Tier 1 capital (AT1) before TLAC adjustments

AT1 ineligible as TLAC as issued out of subsidiaries to third parties

Other adjustments

AT1 instruments eligible under the TLAC framework (sum of lines 2 to 4)

Tier 2 capital (T2) before TLAC adjustments

Amortized portion of T2 instruments where remaining maturity > 1 year

T2 capital ineligible as TLAC as issued out of subsidiaries to third parties

Other adjustments

T2 instruments eligible under the TLAC framework (sum of lines 6 to 9)

TLAC arising from regulatory capital (sum of lines 1, 5 and 10)

Non-regulatory capital elements of TLAC

External TLAC instruments issued directly by the bank and subordinated to excluded liabilities

External TLAC instruments issued directly by the bank which are not subordinated to excluded liabilities but meet all other TLAC term sheet requirements

Of which: amount eligible as TLAC after application of the caps

External TLAC instruments issued by funding vehicles prior to January 1, 2022

Eligible ex ante commitments to recapitalize a G-SIB in resolution

TLAC arising from non-regulatory capital instruments before adjustments (sum of lines 12, 13, 15 and 16)

Non-regulatory capital elements of TLAC: adjustments

TLAC before deductions (sum of lines 11 and 17)

Deductions of exposures between MPE resolution groups that correspond to items eligible for TLAC (not applicable to SPE G-SIBs and D-SIBs)¹

Deduction of investments in own other TLAC liabilities

Other adjustments to TLAC

TLAC available after deductions (sum of lines 18 to 21)

Risk-weighted assets and leverage exposure measure for TLAC purposes

Total risk-weighted assets adjusted as permitted under the TLAC regime

Leverage exposure measure

TLAC ratios and buffers

TLAC Ratio (as a percentage of risk-weighted assets adjusted as permitted under the TLAC regime) (line 22/line 23)

TLAC Leverage Ratio (as a percentage of leverage exposure) (line 22/line 24)

CET1 (as a percentage of risk-weighted assets) available after meeting the resolution group's minimum capital and TLAC requirements

Institution-specific buffer (capital conservation buffer plus countercyclical buffer plus higher loss absorbency, expressed as a percentage of risk-weighted assets)

Of which: capital conservation buffer

Of which: bank specific countercyclical buffer

Of which: D-SIB / G-SIB buffer

LINE #	2023				2022 Q4
	Q4	Q3	Q2	Q1	
1	\$ 82,317	\$ 82,953	\$ 84,328	\$ 82,328	\$ 83,671
2	10,435	10,888	10,783	10,758	10,774
3	—	—	—	—	—
4	—	—	—	—	—
5	10,435	10,888	10,783	10,758	10,774
6	10,896	12,738	12,849	12,946	12,730
7	—	—	—	—	—
8	—	—	—	—	—
9	—	—	—	—	—
10	10,896	12,738	12,849	12,946	12,730
11	103,648	106,579	107,960	106,032	107,175
12	n/a	n/a	n/a	n/a	n/a
13	83,684	84,431	80,474	88,834	75,306
14	n/a	n/a	n/a	n/a	n/a
15	—	—	—	—	—
16	n/a	n/a	n/a	n/a	n/a
17	83,684	84,431	80,474	88,834	75,306
18	187,332	191,010	188,434	194,866	182,481
19	n/a	n/a	n/a	n/a	n/a
20	(295)	(280)	(307)	(423)	(610)
21	—	—	—	—	—
22	187,037	190,730	188,127	194,443	181,871
23	571,161	544,880	549,398	531,644	517,048
24	2,112,561	2,053,168	2,083,544	1,957,826	1,933,732
25	32.7 %	35.0 %	34.2 %	36.6 %	35.2 %
26	8.9	9.3	9.0	9.9	9.4
27	9.8	10.7	10.8	11.0	11.7
28	3.5 %	3.5 %	3.5 %	3.5 %	3.5 %
29	2.5	2.5	2.5	2.5	2.5
30	—	—	—	—	—
31	1.0	1.0	1.0	1.0	1.0

¹ Multiple point of entry (MPE); Single point of entry (SPE).

Material Subgroup Entity – Creditor Ranking at Legal Entity Level (G-SIBS only) (TLAC2)^{1,2}

(\$ millions)
As at

LINE #	2023 Q4						OSFI Template
	Creditor Ranking						
	1	2	3	4	5	Sum of 1 to 5	
	(most junior)			(most senior)			
	Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ³	Other liabilities ⁴	Sum	
1	37,348	–	–	26,834	–	64,182	2
2	–	–	–	–	–	–	3
3	37,348	–	–	26,834	–	64,182	4
4	37,348	–	–	26,834	–	64,182	5
5	–	–	–	–	–	–	6
6	–	–	–	26,834	–	26,834	7
7	–	–	–	–	–	–	8
8	–	–	–	–	–	–	9
9	37,348	–	–	–	–	37,348	10
							11

Is the resolution entity the creditor/investor? (yes or no)

Description of creditor ranking (free text)

Total capital and liabilities net of credit risk mitigation

Subset of row 3 that are excluded liabilities

Total capital and liabilities less excluded liabilities (row 3 minus row 4)

Subset of row 5 that are eligible as TLAC

Subset of row 6 with 1 year ≤ residual maturity < 2 years

Subset of row 6 with 2 years ≤ residual maturity < 5 years

Subset of row 6 with 5 years ≤ residual maturity < 10 years

Subset of row 6 with residual maturity ≥ 10 years, but excluding

perpetual securities

Subset of row 6 that is perpetual securities

¹ TLAC 2 is a G-SIB disclosure requirement to provide the ranking of the liability structure of all our material subsidiaries in foreign jurisdictions. TD Group US Holding LLC is the only material subsidiary entity for which TLAC 2 disclosure would be required at this time.

² OSFI has permitted disclosure to commence as of the fourth quarter of 2023, aligning with the timing of the US Federal Reserve TLAC disclosure requirements earlier this year.

³ Consistent with the scope of the Canadian statutory Bail-in Regime, Bail-in Debt is subordinated to Other Liabilities. Under the Bail-in Regime, Bail-in Debt which would ordinarily rank equally to Other Liabilities in liquidation, is subject to conversion under statutory resolution powers whereas Other Liabilities are not subject to such conversion.

⁴ Completion of this column is not required by OSFI at this time.

Creditor Ranking at Legal Entity Level (TLAC3)

(\$ millions)
As at

LINE #		2023 Q4						2023 Q3					
		Creditor Ranking						Creditor Ranking					
		1	2	3	4	5	Sum of 1 to 5	1	2	3	4	5	Sum of 1 to 5
		(most junior)			(most senior)			(most junior)			(most senior)		
		Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ¹	Other liabilities ²	Sum	Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ¹	Other liabilities ²	Sum
1	Description of creditor ranking (free text)												
2	Total capital and liabilities net of credit risk mitigation	25,434	10,853	9,779	104,675	–	150,741	25,833	11,253	11,425	100,872	–	149,383
3	Subset of row 2 that are excluded liabilities	85	65	215	20,216	–	20,581	16	11	218	15,764	–	16,009
4	Total capital and liabilities less excluded liabilities (row 2 minus row 3)	25,349	10,788	9,564	84,459	–	130,160	25,817	11,242	11,207	85,108	–	133,374
5	Subset of row 4 that are potentially eligible as TLAC	25,349	10,788	9,564	84,459	–	130,160	25,817	11,242	11,207	85,108	–	133,374
6	Subset of row 5 with 1 year ≤ residual maturity < 2 years	–	–	–	22,065	–	22,065	–	–	–	21,040	–	21,040
7	Subset of row 5 with 2 years ≤ residual maturity < 5 years	–	–	–	46,544	–	46,544	–	–	–	46,822	–	46,822
8	Subset of row 5 with 5 years ≤ residual maturity < 10 years	–	–	9,564	15,825	–	25,389	–	–	11,207	17,226	–	28,433
9	Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	–	–	–	25	–	25	–	–	–	20	–	20
10	Subset of row 5 that is perpetual securities	25,349	10,788	–	–	–	36,137	25,817	11,242	–	–	–	37,059
		2023 Q2						2023 Q1					
		Creditor Ranking						Creditor Ranking					
		1	2	3	4	5	Sum of 1 to 5	1	2	3	4	5	Sum of 1 to 5
		(most junior)			(most senior)			(most junior)			(most senior)		
		Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ¹	Other liabilities ²	Sum	Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ¹	Other liabilities ²	Sum
11	Description of creditor ranking (free text)												
12	Total capital and liabilities net of credit risk mitigation	25,852	11,253	11,479	98,316	–	146,900	25,094	11,253	11,444	96,319	–	144,110
13	Subset of row 12 that are excluded liabilities	117	10	204	17,540	–	17,871	121	9	201	7,161	–	7,492
14	Total capital and liabilities less excluded liabilities (row 12 minus row 13)	25,735	11,243	11,275	80,776	–	129,029	24,973	11,244	11,243	89,158	–	136,618
15	Subset of row 14 that are potentially eligible as TLAC	25,735	11,243	11,275	80,776	–	129,029	24,973	11,244	11,243	89,158	–	136,618
16	Subset of row 15 with 1 year ≤ residual maturity < 2 years	–	–	–	20,567	–	20,567	–	–	–	25,702	–	25,702
17	Subset of row 15 with 2 years ≤ residual maturity < 5 years	–	–	–	43,000	–	43,000	–	–	–	44,820	–	44,820
18	Subset of row 15 with 5 years ≤ residual maturity < 10 years	–	–	11,275	17,189	–	28,464	–	–	11,243	18,616	–	29,859
19	Subset of row 15 with residual maturity ≥ 10 years, but excluding perpetual securities	–	–	–	20	–	20	–	–	–	20	–	20
20	Subset of row 15 that is perpetual securities	25,735	11,243	–	–	–	36,978	24,973	11,244	–	–	–	36,217
		2022 Q4											
		Creditor Ranking											
		1	2	3	4	5	Sum of 1 to 5						
		(most junior)			(most senior)								
		Common Shares	Preferred shares & Tier 1 notes	Subordinated debts	Bail-in debts ¹	Other liabilities ²	Sum						
21	Description of creditor ranking (free text)												
22	Total capital and liabilities net of credit risk mitigation	24,363	11,253	11,492	88,874	–	135,982						
23	Subset of row 22 that are excluded liabilities	100	7	275	13,194	–	13,576						
24	Total capital and liabilities less excluded liabilities (row 22 minus row 23)	24,263	11,246	11,217	75,680	–	122,406						
25	Subset of row 24 that are potentially eligible as TLAC	24,263	11,246	11,217	75,680	–	122,406						
26	Subset of row 25 with 1 year ≤ residual maturity < 2 years	–	–	–	18,400	–	18,400						
27	Subset of row 25 with 2 years ≤ residual maturity < 5 years	–	–	–	43,321	–	43,321						
28	Subset of row 25 with 5 years ≤ residual maturity < 10 years	–	–	11,217	13,939	–	25,156						
29	Subset of row 25 with residual maturity ≥ 10 years, but excluding perpetual securities	–	–	–	20	–	20						
30	Subset of row 25 that is perpetual securities	24,263	11,246	–	–	–	35,509						

¹ Consistent with the scope of the Canadian statutory Bail-in Regime, Bail-in Debt is subordinated to Other Liabilities. Under the Bail-in Regime, Bail-in Debt which would ordinarily rank equally to Other Liabilities in liquidation, is subject to conversion under statutory resolution powers whereas Other Liabilities are not subject to such conversion.

² Completion of this column is not required by OSFI at this time.

Geographical Distribution of Credit Exposures for the Calculation of the Countercyclical Capital Buffer (CCyB1)

(\$ millions, except as noted)
As at

LINE #	2023 Q4			
	CCyB rate	RWA used in CCyB calculation	Bank-specific CCyB rate	CCyB amount
1	1.00 % \$	89		
2	0.50	127		
3	0.75	1,423		
4	0.50	172		
5	1.00	168		
6	2.00	1,700		
7	2.50	6		
8		\$ 3,685		
9		\$ 393,132	0.01 % \$	6

By Country

Australia
France
Germany
Luxembourg
Netherlands
United Kingdom
Norway
Sum of lines 1 to 7
Total¹

¹ Total RWA for private sector credit exposures across all jurisdictions to which the bank is exposed, including jurisdictions with no countercyclical capital buffer rate or with a countercyclical capital buffer rate set at zero.

Overview of Risk-Weighted Assets (OV1)

(\$ millions) As at	LINE #	Risk-Weighted Assets (RWA)					Minimum capital requirements					OSFI Template
		2023				2022	2023				2022	
		Q4	Q3	Q2	Q1	Q4	Q4	Q3	Q2	Q1	Q4	
Credit risk (excluding counterparty credit risk) (CCR)	1	\$ 412,057	\$ 389,987	\$ 389,154	\$ 373,596	\$ 357,448	\$ 32,965	\$ 31,199	\$ 31,132	\$ 29,888	\$ 28,596	1
Of which: standardized approach (SA) ³	2	56,251	53,383	54,045	33,548	33,157	4,500	4,271	4,324	2,684	2,653	2
Of which: foundation internal ratings-based (FIRB) approach	3	86,304	82,140	79,490	n/a	n/a	6,905	6,571	6,359	n/a	n/a	3
Of which: supervisory slotting approach	4	—	—	—	n/a	n/a	—	—	—	n/a	n/a	4
Of which: advanced internal ratings-based (AIRB) approach	5	269,502	254,464	255,619	340,048	324,291	21,560	20,357	20,449	27,204	25,943	5
Counterparty credit risk	6	17,158	15,841	16,005	18,680	19,151	1,373	1,267	1,280	1,494	1,532	6
Of which: standardized approach for counterparty credit risk (SA-CCR)	7	10,769	9,654	9,930	8,328	8,685	862	772	794	666	695	7
Of which: internal model method (IMM)	8	—	—	—	—	—	—	—	—	—	—	8
Of which: other CCR ⁴	9	6,389	6,187	6,075	10,352	10,466	511	495	486	828	837	9
Credit valuation adjustment (CVA)	10	8,381	6,754	6,659	n/a	n/a	670	540	533	n/a	n/a	10
Equity positions in banking book under market-based approach ⁵	11	n/a	n/a	n/a	24,635	24,851	n/a	n/a	n/a	1,971	1,988	7
Equity investments in funds – look-through approach	12	2,848	2,985	3,094	2,385	1,876	228	239	248	191	150	11
Equity investments in funds – mandate-based approach	13	424	400	413	310	383	34	32	33	25	31	12
Equity investments in funds – fall-back approach ⁶	14	n/a	n/a	n/a	491	1,044	n/a	n/a	n/a	39	84	10
Settlement risk	15	250	218	253	49	98	20	17	20	4	8	13
Securitization exposures in banking book	16	16,652	16,445	16,916	17,532	17,205	1,332	1,316	1,353	1,403	1,376	14
Of which: securitization internal ratings-based approach (SEC-IRBA)	17	2,404	2,450	2,577	1,327	1,015	192	196	206	106	81	15
Of which: securitization external ratings-based approach (SEC-ERBA), including internal assessment approach (IAA)	18	14,167	13,913	14,219	16,035	16,050	1,134	1,113	1,138	1,283	1,284	16
Of which: securitization standardized approach (SEC-SA)	19	81	82	120	170	140	6	7	9	14	11	17
Market risk	20	16,952	16,911	21,777	19,554	22,913	1,356	1,353	1,742	1,564	1,833	18
Of which: standardized approach (SA)	21	2,608	2,336	6,232	2,806	2,289	209	187	499	224	183	19
Of which: internal model approaches (IMA)	22	14,344	14,575	15,545	16,748	20,624	1,147	1,166	1,243	1,340	1,650	20
Capital charge for switch between trading book and banking book	23	—	—	—	n/a	n/a	—	—	—	n/a	n/a	21
Operational risk	24	87,077	85,703	83,938	64,987	63,795	6,966	6,856	6,715	5,199	5,104	22
Amounts below the thresholds for deduction (subject to 250% risk weight)	25	9,362	9,636	11,189	9,425	8,284	749	771	896	754	663	23
Output floor applied (%)	26	65	65	65	n/a	n/a	n/a	n/a	n/a	n/a	n/a	24
Floor adjustment (before application of transitional cap) ⁷	27	—	—	—	n/a	n/a	n/a	n/a	n/a	n/a	n/a	25
Floor adjustment (after application of transitional cap) ⁷	28	—	—	—	—	—	—	—	—	—	—	26
Total (lines 1+6+10+11+12+13+14+15+16+20+23+24+25+28)	29	\$ 571,161	\$ 544,880	\$ 549,398	\$ 531,644	\$ 517,048	\$ 45,693	\$ 43,590	\$ 43,952	\$ 42,532	\$ 41,365	27

¹ RWA includes 6% scalar when appropriate.

² Minimum capital requirements equal 8% of RWA.

³ Includes other assets and equities which use a regulatory prescribed risk weight.

⁴ Includes qualifying central counterparties (QCCPs), CVA and repo style transactions.

⁵ As of the second quarter of 2023, equity positions are included with credit risk exposures under the standardized approach.

⁶ As of the second quarter of 2023, these are now a deduction from CET1 capital.

⁷ BCBS transition cap not implemented in Canada, thus lines 27 and 28 represent the output based on the current OSFI transition factor in the line 26.

Comparison of Modelled and Standardized RWA at Risk Level (CMS1)

(\$ millions) As at		LINE #	2023 Q4			
			RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	Total actual RWA ¹	RWA calculated full standardized approach ²
Credit risk (excluding counterparty credit risk)	1	\$	355,806	\$ 56,251	\$ 412,057	\$ 629,658
Counterparty credit risk	2		14,560	2,598	17,158	60,791
Credit valuation adjustment	3			8,381	8,381	8,381
Securitisation exposures in the banking book	4		6,904	9,748	16,652	25,335
Market risk	5		14,344	2,608	16,952	6,488
Operational risk	6			87,077	87,077	87,077
Residual RWA ³	7			12,884	12,884	12,884
Total	8	\$	391,614	\$ 179,547	\$ 571,161	\$ 830,614

¹ Represents RWA for the period as disclosed in OV1.

² Represents RWA used for the regulatory floor.

³ Residual RWA consists of equity investment in funds, settlement risk and amounts below the thresholds for deductions.

Comparison of Modelled and Standardized RWA for Credit Risk at Asset Class Level (CMS2)

(\$ millions) As at		LINE #	2023 Q4			
			RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	Total actual RWA	RWA calculated using full standardized approach
Sovereign	1	\$	13,138	\$ 96	\$ 13,234	\$ 16,283
Of which: categorised as MDB/PSE in SA ¹	1a		12,403	–	12,403	15,317
Banks and other financial institutions	2		6,288	644	6,932	12,536
Covered Bonds	3		1,703	–	1,703	1,239
Equity	4		–	24,828	24,828	24,828
Purchased receivables	5		–	–	–	–
Corporates	6		197,173	1,006	198,179	293,263
Of which: F-IRB is applied	6a		78,267		78,267	145,341
Of which: A-IRB is applied	6b		118,906		118,906	146,916
Retail	7		134,136	4,606	138,742	246,696
Of which: qualifying revolving retail	7a		39,587	248	39,835	41,470
Of which: other retail	7b		43,334	1,963	45,297	72,275
Of which: retail residential mortgages	7c		51,215	2,395	53,610	132,951
Specialised lending	8		3,368	–	3,368	9,742
Of which: income-producing real estate and high volatility commercial real estate	8a		2,846	–	2,846	8,919
Others	9		–	25,071	25,071	25,071
Total	10	\$	355,806	\$ 56,251	\$ 412,057	\$ 629,658

¹ Multilateral development banks/Public sector entities (MDB/PSE).

Flow Statements for Risk-Weighted Assets – Credit Risk

(\$ millions) As at		LINE #	2023 Q4				2023 Q3			
			Non-counterparty credit risk ¹	Of which internal ratings-based (IRB) approach ²	Counterparty credit risk ³	Of which IRB approach	Non-counterparty credit risk ¹	Of which internal ratings-based (IRB) approach ²	Counterparty credit risk ³	Of which IRB approach
RWA, balance at beginning of period		1	\$ 419,671	\$ 336,604	\$ 22,595	\$ 13,541	\$ 421,019	\$ 335,109	\$ 22,664	\$ 13,654
Asset size ⁴		2	352	2,100	2,394	804	4,754	5,198	385	140
Asset quality ⁵		3	7,031	7,031	(189)	(192)	1,465	1,465	12	12
Model updates ⁶		4	—	—	—	—	40	40	—	—
Methodology and policy ⁷		5	—	—	—	—	—	—	—	—
Acquisitions and disposals ⁸		6	—	—	—	—	—	—	—	—
Foreign exchange movements ⁹		7	13,016	10,071	739	407	(6,840)	(5,208)	(466)	(265)
Other ¹⁰		8	1,523	—	—	—	(767)	—	—	—
RWA, balance at end of period		9	\$ 441,593	\$ 355,806	\$ 25,539	\$ 14,560	\$ 419,671	\$ 336,604	\$ 22,595	\$ 13,541
			2023 Q2				2023 Q1			
			Non-counterparty credit risk ¹	Of which internal ratings-based (IRB) approach ²	Counterparty credit risk ³	Of which IRB approach	Non-counterparty credit risk ¹	Of which internal ratings-based (IRB) approach ²	Counterparty credit risk ³	Of which IRB approach
RWA, balance at beginning of period		10	\$ 428,423	\$ 340,048	\$ 18,680	\$ 10,645	\$ 411,189	\$ 324,291	\$ 19,151	\$ 11,223
Asset size ⁴		11	155	1,548	(941)	(417)	9,230	8,465	(680)	(806)
Asset quality ⁵		12	4,966	4,966	63	48	6,821	6,821	198	221
Model updates ⁶		13	(1,625)	(1,625)	—	—	(240)	(240)	—	—
Methodology and policy ⁷		14	(20,739)	(13,525)	3,206	3,243	5,068	5,068	—	—
Acquisitions and disposals ⁸		15	5,019	—	1,418	—	—	—	—	—
Foreign exchange movements ⁹		16	4,826	3,697	238	135	(5,780)	(4,357)	11	7
Other ¹⁰		17	(6)	—	—	—	2,135	—	—	—
RWA, balance at end of period		18	\$ 421,019	\$ 335,109	\$ 22,664	\$ 13,654	\$ 428,423	\$ 340,048	\$ 18,680	\$ 10,645
			2022 Q4							
			Non-counterparty credit risk ¹	Of which internal ratings-based (IRB) approach ²	Counterparty credit risk ³	Of which IRB approach				
RWA, balance at beginning of period		19	\$ 389,041	\$ 302,810	\$ 19,322	\$ 10,998				
Asset size ⁴		20	5,456	7,771	(1,345)	(323)				
Asset quality ⁵		21	1,955	1,955	424	151				
Model updates ⁶		22	685	685	—	—				
Methodology and policy ⁷		23	—	—	—	—				
Acquisitions and disposals ⁸		24	—	—	—	—				
Foreign exchange movements ⁹		25	14,991	11,070	750	397				
Other ¹⁰		26	(939)	—	—	—				
RWA, balance at end of period		27	\$ 411,189	\$ 324,291	\$ 19,151	\$ 11,223				

¹ Non-counterparty credit risk includes loans and advances to individuals and small business retail customers, wholesale and commercial corporate customers, and banks and governments, as well as holdings of debt, equity securities, and other assets including prepaid expenses, deferred income taxes, land, building, equipment, and other depreciable property.

² Reflects Pillar 3 requirements for RWA flow statements of credit risk exposures under IRB (CR8) which excludes securitization and equity.

³ CCR is comprised of over-the-counter (OTC) derivatives, repo-style transactions, trades cleared through central counterparties, and CVA RWA.

⁴ The Asset size category consists of organic changes in book size and composition (including new business and maturing loans) and, for the fourth quarter of 2023, increased in various portfolios in the Canadian Personal and Commercial Banking and, Wholesale Banking segments offset by a decrease in the U.S. Retail segment.

⁵ The Asset quality category includes quality of book changes caused by experience such as underlying customer behaviour or demographics, including changes through model calibrations/realignments and in the fourth quarter of 2023, increased mainly in various retail and non-retail portfolios in the Canadian Personal and Commercial Banking and U.S. Retail segments.

⁶ The Model updates category relates to model implementation, changes in model scope, or any changes to address model malfunctions.

⁷ The Methodology and policy category impacts reflect newly adopted methodology changes to the calculations driven by regulatory policy changes, such as new regulations.

⁸ The Acquisitions and disposals category reflects changes due to business acquisitions or disposals.

⁹ Foreign exchange movements mainly reflect a change in the U.S. dollar foreign exchange rate for the U.S. portfolios in the U.S. Retail and Wholesale Banking segments.

¹⁰ The Other category consists of items not described in the above categories, including changes in exposures not included under advanced or standardized methodologies, such as prepaid expenses, deferred income taxes, land, building, equipment and other depreciable property, and other assets.

Flow Statements for Risk-Weighted Assets – Market Risk

(\$ millions)
As at

RWA, balance at beginning of period
Movement in risk levels¹
Model updates/changes²
Methodology and policy³
Acquisitions and disposals⁴
Foreign exchange movements and other⁵
RWA, balance at end of period

LINE #	2023				2022 Q4
	Q4	Q3	Q2	Q1	
1	\$ 16,911	\$ 21,777	\$ 19,554	\$ 22,913	\$ 24,599
2	41	(1,407)	(1,397)	(3,359)	(1,686)
3	—	—	—	—	—
4	—	(3,459)	—	—	—
5	—	—	3,620	—	—
6	n/m ⁶	n/m	n/m	n/m	n/m
7	\$ 16,952	\$ 16,911	\$ 21,777	\$ 19,554	\$ 22,913

¹ The Movement in risk levels category reflects changes in risk due to position changes and market movements.

² The Model updates category reflects updates to the model to reflect recent experience and change in model scope.

³ The Methodology and policy category reflects newly adopted methodology changes to the calculations driven by regulatory policy changes.

⁴ The Acquisition and disposals category reflects changes due to business acquisitions or disposals.

⁵ Foreign exchange movements and other are deemed not meaningful (N/M) since RWA exposure measures are calculated in Canadian Dollars. Therefore, no foreign exchange translation is required.

⁶ Not meaningful.

Flow Statement for Risk-Weighted Assets – Operational Risk

(\$ millions)
As at

Disclosure for Operational Risk Risk-Weighted Assets Movement by Key Driver
RWA, balance at beginning of period
Business growth¹
Methodology and policy²
Acquisitions and disposals³
Movement in risk level⁴
Revenue generation⁵
RWA, balance at end of period⁶

LINE #	2023				2022 Q4
	Q4	Q3	Q2	Q1	
1	\$ 85,703	\$ 83,938	\$ 64,987	\$ 63,795	\$ 62,744
2	2,267	1,765	1,542	—	—
3	—	—	14,103	—	—
4	—	—	3,306	—	—
5	(893)	—	—	—	—
6	n/a	n/a	n/a	1,192	1,051
7	\$ 87,077	\$ 85,703	\$ 83,938	\$ 64,987	\$ 63,795

¹ The Business growth category reflects changes in the three-year average Business Indicator (BI); a financial proxy measure for operational risk exposure used in Basel III Standardized Approach (SA).

² The Methodology and policy category reflects newly adopted methodology changes to the calculations driven by regulatory policy changes.

³ The Acquisitions and disposals category reflects changes due to business acquisitions or disposals.

⁴ The Movement in risk level category reflects changes in the ten-year average operational loss experience, relative to BI.

⁵ The movement in Revenue generation category is due to a change in the three-year average of annual gross income used in The Standardized Approach.

⁶ TD adopted the Basel III SA for Operational Risk RWA in Q2 2023 as per OSFI Requirements.

Differences Between Accounting and Regulatory Scopes of Consolidation and Mapping of Financial Statements with Regulatory Risk Categories (LI1)

(\$ millions)

As at

LINE
#

2023
Q4

		Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation ²	Subject to credit risk framework	Subject to counterparty credit risk framework	Subject to the securitization framework	Subject to the market risk framework	Carrying values of items ¹ Not subject to capital requirements or subject to deduction from capital
Assets								
Cash and due from banks	1	\$ 6,721	\$ 6,710	\$ 7,185	\$ -	\$ -	\$ -	\$ (475)
Interest-bearing deposits with banks	2	98,348	98,198	97,871	-	-	327	-
Trading loans, securities, and other	3	152,090	152,090	1,079	-	-	151,011	-
Non-trading financial assets at fair value through profit or loss	4	7,340	6,749	1,927	-	5,978	-	(1,156)
Derivatives	5	87,382	87,387	-	87,387	-	81,526	-
Financial assets designated at fair value through profit or loss	6	5,818	1,815	2,047	-	-	-	(232)
Financial assets at fair value through other comprehensive income	7	69,865	66,607	60,836	-	4,344	-	1,427
Debt securities at amortized cost, net of allowance for credit losses	8	308,016	307,989	251,746	-	56,785	-	(542)
Securities purchased under reverse repurchase agreements	9	204,333	204,333	-	204,333	-	9,649	-
Residential mortgages	10	320,341	320,341	321,211	-	-	-	(870)
Consumer instalment and other personal	11	217,554	217,554	217,930	-	-	-	(376)
Credit card	12	38,660	38,660	30,109	-	7,903	-	648
Business and government	13	326,528	326,528	306,742	-	28,702	-	(8,916)
Allowance for loan losses	14	(7,136)	(7,136)	(2)	-	-	-	(7,134)
Customers' liability under acceptances	15	17,569	17,569	17,569	-	-	-	-
Investment in Schwab	16	8,907	8,907	8,907	-	-	-	-
Goodwill	17	18,602	18,602	-	-	-	-	18,602
Other intangibles	18	2,771	2,771	-	-	-	-	2,771
Land, buildings, equipment, and other depreciable assets	19	9,434	9,331	9,331	-	-	-	-
Deferred tax assets	20	3,960	3,881	3,008	-	-	-	873
Amounts receivable from brokers, dealers and clients	21	30,416	30,416	3,222	-	-	-	27,194
Other assets	22	29,505	26,280	13,396	8,693	-	-	4,191
Total assets	23	\$ 1,957,024	\$ 1,945,582	\$ 1,354,114	\$ 300,413	\$ 103,712	\$ 242,513	\$ 36,005
Liabilities								
Trading deposits	24	\$ 30,980	\$ 30,980	\$ -	\$ -	\$ -	\$ 27,059	\$ 3,921
Derivatives	25	71,640	71,640	-	71,640	-	70,382	-
Securitization liabilities at fair value	26	14,422	14,422	-	-	-	14,422	-
Financial liabilities designated at fair value through profit or loss	27	192,130	192,130	-	-	-	2	192,128
Deposits	28	1,198,190	1,198,190	-	-	-	-	1,198,190
Acceptances	29	17,569	17,569	-	-	-	-	17,569
Obligations related to securities sold short	30	44,661	44,661	-	-	-	43,993	668
Obligations related to securities sold under repurchase agreements	31	166,854	166,854	-	166,854	-	12,641	-
Securitization liabilities at amortized cost	32	12,710	12,710	-	-	-	-	12,710
Amounts payable to brokers, dealers, and clients	33	30,872	30,872	-	-	-	-	30,872
Insurance-related liabilities	34	7,605	18	-	-	-	-	18
Other liabilities	35	47,664	43,809	-	-	-	-	43,809
Subordinated notes and debentures	36	9,620	9,620	-	-	-	-	9,620
Total liabilities	37	\$ 1,844,917	\$ 1,833,475	\$ -	\$ 238,494	\$ -	\$ 168,499	\$ 1,509,505

¹ Certain exposures may be included in more than one column if subject to both credit and market risk.

² Excludes assets and liabilities of insurance subsidiaries.

Main Sources of Differences Between Regulatory Exposure Amounts and Carrying Values in Financial Statements (LI2)

(\$ millions) As at	LINE #	2023 Q4				
		Items subject to				
		Total	Credit risk framework	Counterparty credit risk framework ¹	Securitization framework	Market risk framework
Asset carrying value amount under scope of regulatory consolidation	1	\$ 2,000,752	\$ 1,354,114	\$ 300,413	\$ 103,712	\$ 242,513
Liabilities carrying value amount under regulatory scope of consolidation	2	406,993	–	238,494	–	168,499
Total net amount under regulatory scope of consolidation	3	1,593,759	1,354,114	61,919	103,712	74,014
Off-balance sheet amounts	4	378,775	359,248	–	19,527	–
Differences due to different netting rules, other than those already included in line 2	5	62,770	–	62,770	–	–
Adjustment for derivatives and PFE	6	72,820	–	72,820	–	–
Gross up for repo-style transactions	7	333,707	–	333,707	–	–
Exposure amounts considered for regulatory purposes	8	\$ 2,441,831	\$ 1,713,362	\$ 531,216	\$ 123,239	\$ 74,014

¹ Collateral for repo-style transactions is reflected in the loss given default (LGD) as opposed to exposure at default (EAD).

Credit Quality of Assets (CR1)^{1,2}

(\$ millions)
As at

	LINE #	2023 Q4						
		Gross carrying values of:			Of which ECL accounting provisions for credit losses on SA exposures:		Of which ECL accounting provisions for credit losses on IRB exposures:	Net values
		Defaulted exposures ³	Non-defaulted exposures	Allowances/ impairments ⁴	Allocated in regulatory category of Specific ⁵	Allocated in regulatory category of General ⁵		
Loans	1	\$ 3,299	\$ 880,426	\$ (7,130)	\$ (2)	\$ (8)	\$ (7,120)	\$ 876,595
Debt securities	2	—	312,601	(2)	—	—	(2)	312,599
Off-balance sheet exposures	3	107	712,370	(1,049)	—	—	(1,049)	711,428
Total	4	\$ 3,406	\$ 1,905,397	\$ (8,181)	\$ (2)	\$ (8)	\$ (8,171)	\$ 1,900,622
2023 Q3								
		Gross carrying values of:			Of which ECL accounting provisions for credit losses on SA exposures:		Of which ECL accounting provisions for credit losses on IRB exposures:	Net values
		Defaulted exposures ³	Non-defaulted exposures	Allowances/ impairments ⁴	Allocated in regulatory category of Specific ⁵	Allocated in regulatory category of General ⁵		
Loans	5	\$ 2,980	\$ 855,082	\$ (6,782)	\$ (2)	\$ (8)	\$ (6,772)	\$ 851,280
Debt securities	6	—	309,572	(1)	—	—	(1)	309,571
Off-balance sheet exposures	7	97	690,291	(988)	—	—	(988)	689,400
Total	8	\$ 3,077	\$ 1,854,945	\$ (7,771)	\$ (2)	\$ (8)	\$ (7,761)	\$ 1,850,251
2023 Q2								
		Gross carrying values of:			Of which ECL accounting provisions for credit losses on SA exposures:		Of which ECL accounting provisions for credit losses on IRB exposures:	Net values
		Defaulted exposures ³	Non-defaulted exposures	Allowances/ impairments ⁴	Allocated in regulatory category of Specific ⁵	Allocated in regulatory category of General ⁵		
Loans	9	\$ 2,659	\$ 832,993	\$ (6,641)	\$ (3)	\$ (9)	\$ (6,629)	\$ 829,011
Debt securities	10	—	334,319	(2)	—	—	(2)	334,317
Off-balance sheet exposures	11	104	689,916	(1,000)	—	—	(1,000)	689,020
Total	12	\$ 2,763	\$ 1,857,228	\$ (7,643)	\$ (3)	\$ (9)	\$ (7,631)	\$ 1,852,348
2023 Q1								
		Gross carrying values of:			Of which ECL accounting provisions for credit losses on SA exposures:		Of which ECL accounting provisions for credit losses on IRB exposures:	Net values
		Defaulted exposures ³	Non-defaulted exposures	Allowances/ impairments ⁴	Allocated in regulatory category of Specific ⁵	Allocated in regulatory category of General ⁵		
Loans	13	\$ 2,591	\$ 829,343	\$ (6,489)	\$ (3)	\$ (11)	\$ (6,475)	\$ 825,445
Debt securities	14	—	335,899	(1)	—	—	(1)	335,898
Off-balance sheet exposures	15	124	612,423	(985)	—	—	(985)	611,562
Total	16	\$ 2,715	\$ 1,777,665	\$ (7,475)	\$ (3)	\$ (11)	\$ (7,461)	\$ 1,772,905

¹ Excludes insurance subsidiaries, securitization exposures, assets at fair value through profit or loss (FVTPL), and acquired credit-impaired (ACI) loans.

² Restructured exposures as at October 31, 2023 are \$802 million, of which \$300 million is considered impaired. This excludes exposures related to the COVID-19 deferral program.

³ Includes total impaired exposures, of which \$2,175 million (July 31, 2023 – \$1,954 million; April 30, 2023 – \$1,646 million; January 31, 2023 – \$1,541 million) is in the default category and \$1,124 million as at October 31, 2023

(July 31, 2023 – \$1,026 million; April 30, 2023 – \$1,013 million; January 31, 2023 – \$1,050 million) is in the high risk/watch and classified categories.

⁴ Includes Stage 1, 2, and 3 allowances.

⁵ Specific consists of Stage 3 expected credit loss allowances. General consists of Stage 1 and Stage 2 expected credit loss allowances.

Credit Quality of Assets (CR1) (Continued)¹

(\$ millions) As at	LINE #	2022 Q4						
		Gross carrying values of:			Of which ECL accounting provisions for credit losses on SA exposures:		Of which ECL accounting provisions for credit losses on IRB exposures:	Net values
		Defaulted exposures ²	Non-defaulted exposures	Allowances/ impairments ³	Allocated in regulatory category of Specific ⁴	Allocated in regulatory category of General ⁴		
Loans	1	\$ 2,503	\$ 832,001	\$ (6,427)	\$ (3)	\$ (11)	\$ (6,413)	\$ 828,077
Debt securities	2	—	334,568	(1)	—	—	(1)	334,567
Off-balance sheet exposures	3	116	603,014	(931)	—	—	(931)	602,199
Total	4	\$ 2,619	\$ 1,769,583	\$ (7,359)	\$ (3)	\$ (11)	\$ (7,345)	\$ 1,764,843

¹ Excludes insurance subsidiaries, securitization exposures, assets at FVTPL, and ACI loans.

² Includes total impaired exposures of which \$1,470 million is in the default category and \$1,033 million as at October 31, 2022 is in the high risk/watch and classified categories.

³ Includes Stage 1, 2, and 3 allowances.

⁴ Specific consists of Stage 3 expected credit loss allowances. General consists of Stage 1 and Stage 2 expected credit loss allowances.

Credit Risk Mitigation Techniques – Overview (CR3)¹

(\$ millions) As at		LINE	2023 Q4					2023 Q3				
		#	Exposures unsecured carrying amount	Exposures secured	Exposures secured by collateral ²	Exposures secured by financial guarantees	Exposures secured by credit derivatives ³	Exposures unsecured carrying amount	Exposures secured	Exposures secured by collateral ²	Exposures secured by financial guarantees	Exposures secured by credit derivatives ³
Loans		1	\$ 310,815	\$ 572,910	\$ 488,142	\$ 84,697	\$ 71	\$ 301,564	\$ 556,498	\$ 473,115	\$ 83,314	\$ 69
Debt securities		2	\$ 311,632	\$ 969	\$ –	\$ –	\$ 969	\$ 308,597	\$ 975	\$ –	\$ –	\$ 975
Total		3	\$ 622,447	\$ 573,879	\$ 488,142	\$ 84,697	\$ 1,040	\$ 610,161	\$ 557,473	\$ 473,115	\$ 83,314	\$ 1,044
<i>Of which: defaulted</i>		4	<i>1,836</i>	<i>1,463</i>	<i>1,283</i>	<i>180</i>	<i>–</i>	<i>1,622</i>	<i>1,358</i>	<i>1,196</i>	<i>162</i>	<i>–</i>
			2023 Q2					2023 Q1				
			Exposures unsecured carrying amount	Exposures secured	Exposures secured by collateral ²	Exposures secured by financial guarantees	Exposures secured by credit derivatives ³	Exposures unsecured carrying amount	Exposures secured	Exposures secured by collateral ²	Exposures secured by financial guarantees	Exposures secured by credit derivatives ³
Loans		5	\$ 293,093	\$ 542,559	\$ 458,116	\$ 84,412	\$ 31	\$ 296,396	\$ 535,538	\$ 443,349	\$ 92,183	\$ 6
Debt securities		6	\$ 333,461	\$ 858	\$ –	\$ –	\$ 858	\$ 334,956	\$ 943	\$ –	\$ –	\$ 943
Total		7	\$ 626,554	\$ 543,417	\$ 458,116	\$ 84,412	\$ 889	\$ 631,352	\$ 536,481	\$ 443,349	\$ 92,183	\$ 949
<i>Of which: defaulted</i>		8	<i>1,359</i>	<i>1,300</i>	<i>1,129</i>	<i>171</i>	<i>–</i>	<i>1,347</i>	<i>1,244</i>	<i>1,090</i>	<i>154</i>	<i>–</i>
			2022 Q4									
			Exposures unsecured carrying amount	Exposures secured	Exposures secured by collateral ²	Exposures secured by financial guarantees	Exposures secured by credit derivatives ³					
Loans		9	\$ 293,540	\$ 540,964	\$ 444,970	\$ 95,987	\$ 7					
Debt securities		10	\$ 333,276	\$ 1,292	\$ –	\$ –	\$ 1,292					
Total		11	\$ 626,816	\$ 542,256	\$ 444,970	\$ 95,987	\$ 1,299					
<i>Of which: defaulted</i>		12	<i>1,248</i>	<i>1,255</i>	<i>1,105</i>	<i>150</i>	<i>–</i>					

¹ Represent collateral, financial guarantees, and credit derivatives only when such result in reduced capital requirements.

² For retail exposures reflects collateral as at origination and for non-retail only reflects financial collateral.

³ As at October 31, 2023, the impact to RWA from credit derivatives used as CRM techniques is a decrease of \$0.5 billion (July 31, 2023 – a decrease of \$0.5 billion, April 30, 2023 – a decrease of \$0.3 billion; January 31, 2023 – a decrease of \$0.5 billion; October 31, 2022 – a decrease of \$0.8 billion) (CR7).

Gross Credit Risk Exposures¹

(\$ millions) As at		LINE #	2023 Q4						2023 Q3					
By Counterparty Type			Drawn	Undrawn ²	Repo-style transactions	OTC derivatives	Other off-balance sheet	Total	Drawn	Undrawn ²	Repo-style transactions	OTC derivatives	Other off-balance sheet	Total
Retail														
Residential secured	1	\$	449,904	\$ 70,063	\$ –	\$ –	\$ –	\$ 519,967	\$ 437,640	\$ 68,093	\$ –	\$ –	\$ –	\$ 505,733
Qualifying revolving retail	2		39,365	130,628	–	–	–	169,993	38,239	132,014	–	–	–	170,253
Other retail	3		93,950	8,625	–	–	46	102,621	89,662	8,375	–	–	43	98,080
	4		583,219	209,316	–	–	46	792,581	565,541	208,482	–	–	43	774,066
Non-retail														
Corporate	5		289,697	99,557	220,898	26,063	21,650	657,865	280,660	92,216	203,578	20,924	21,229	618,607
Sovereign	6		406,942	11,447	73,605	26,043	9,502	527,539	389,128	12,578	78,664	24,667	9,366	514,403
Bank	7		25,605	3,386	126,963	17,886	2,612	176,452	23,623	3,247	121,378	16,932	2,303	167,483
	8		722,244	114,390	421,466	69,992	33,764	1,361,856	693,411	108,041	403,620	62,523	32,898	1,300,493
Total	9	\$	1,305,463	\$ 323,706	\$ 421,466	\$ 69,992	\$ 33,810	\$ 2,154,437	\$ 1,258,952	\$ 316,523	\$ 403,620	\$ 62,523	\$ 32,941	\$ 2,074,559
By Country of Risk														
Canada	10	\$	710,214	\$ 169,359	\$ 138,590	\$ 18,391	\$ 9,353	\$ 1,045,907	\$ 691,845	\$ 166,047	\$ 125,781	\$ 15,951	\$ 9,640	\$ 1,009,264
United States	11		535,518	148,614	158,858	21,306	23,013	887,309	506,620	146,320	155,356	20,140	21,903	850,339
Other International														
Europe	12		44,746	4,079	83,702	18,111	1,074	151,712	45,388	3,675	82,869	17,176	1,240	150,348
Other	13		14,985	1,654	40,316	12,184	370	69,509	15,099	481	39,614	9,256	158	64,608
	14		59,731	5,733	124,018	30,295	1,444	221,221	60,487	4,156	122,483	26,432	1,398	214,956
Total	15	\$	1,305,463	\$ 323,706	\$ 421,466	\$ 69,992	\$ 33,810	\$ 2,154,437	\$ 1,258,952	\$ 316,523	\$ 403,620	\$ 62,523	\$ 32,941	\$ 2,074,559
By Residual Contractual Maturity														
Within 1 year	16	\$	420,458	\$ 237,330	\$ 419,890	\$ 37,696	\$ 14,391	\$ 1,129,765	\$ 382,622	\$ 235,192	\$ 401,620	\$ 33,027	\$ 15,305	\$ 1,067,766
Over 1 year to 5 years	17		587,257	84,543	1,576	24,060	19,143	716,579	585,934	79,620	2,000	21,248	17,241	706,043
Over 5 years	18		297,748	1,833	–	8,236	276	308,093	290,396	1,711	–	8,248	395	300,750
Total	19	\$	1,305,463	\$ 323,706	\$ 421,466	\$ 69,992	\$ 33,810	\$ 2,154,437	\$ 1,258,952	\$ 316,523	\$ 403,620	\$ 62,523	\$ 32,941	\$ 2,074,559
Non-Retail Exposures by Industry Sector														
Real estate														
Residential	20	\$	38,364	\$ 5,614	\$ 11	\$ 51	\$ 2,223	\$ 46,263	\$ 37,531	\$ 5,240	\$ 3	\$ 65	\$ 2,244	\$ 45,083
Non-residential	21		55,552	9,269	41	293	703	65,858	53,784	8,480	24	247	722	63,257
Total real-estate	22		93,916	14,883	52	344	2,926	112,121	91,315	13,720	27	312	2,966	108,340
Agriculture	23		10,550	696	5	110	27	11,388	10,278	592	10	54	33	10,967
Automotive	24		15,788	6,403	4	1,271	363	23,829	15,199	6,255	5	1,028	343	22,830
Financial	25		59,989	15,669	379,468	31,962	4,523	491,611	57,235	15,049	353,512	27,233	4,194	457,223
Food, beverage, and tobacco	26		7,951	3,977	10	1,821	450	14,209	7,601	3,768	2	1,871	431	13,673
Forestry	27		1,553	831	–	19	145	2,548	1,624	788	–	14	107	2,533
Government, public sector entities, and education	28		401,025	9,417	36,793	25,020	6,872	479,127	383,073	8,235	43,805	23,241	6,487	464,841
Health and social services	29		24,982	4,285	205	62	3,843	33,377	23,966	4,082	169	64	3,609	31,890
Industrial construction and trade contractors	30		6,616	2,797	18	11	1,096	10,538	7,081	2,634	13	14	1,111	10,853
Metals and mining	31		4,416	3,328	254	700	855	9,553	4,605	3,188	251	561	855	9,460
Oil and gas	32		5,041	5,435	764	1,476	1,153	13,869	5,070	5,015	1,952	1,284	1,532	14,853
Power and utilities	33		16,943	12,481	15	1,777	5,071	36,287	15,720	13,207	51	2,059	4,993	36,030
Professional and other services	34		22,920	9,247	2,557	930	1,781	37,435	21,972	8,778	3,190	725	1,698	36,363
Retail sector	35		9,318	3,240	40	210	556	13,364	9,873	2,990	66	265	532	13,726
Sundry manufacturing and wholesale	36		15,386	9,119	445	830	659	26,439	15,070	8,770	91	833	695	25,459
Telecommunications, cable, and media	37		8,569	5,602	–	1,399	567	16,137	8,128	5,324	–	1,380	551	15,383
Transportation	38		8,164	2,853	–	787	1,944	13,748	7,970	2,692	28	657	1,863	13,210
Other	39		9,117	4,127	836	1,263	933	16,276	7,631	2,954	448	928	898	12,859
Total	40	\$	722,244	\$ 114,390	\$ 421,466	\$ 69,992	\$ 33,764	\$ 1,361,856	\$ 693,411	\$ 108,041	\$ 403,620	\$ 62,523	\$ 32,898	\$ 1,300,493

¹ Gross credit risk exposure is before credit risk mitigants. This table excludes securitization, equity, and other credit RWA.

² Gross exposure on undrawn commitments is EAD which is the amount currently undrawn but expected to be drawn assuming a default on the underlying committed loan agreement.

Gross Credit Risk Exposures (Continued)¹

(\$ millions) As at		LINE #	2023 Q2						2023 Q1					
			Drawn	Undrawn ²	Repo-style transactions	OTC derivatives	Other off- balance sheet	Total	Drawn	Undrawn ²	Repo-style transactions	OTC derivatives	Other off- balance sheet	Total
By Counterparty Type														
Retail														
Residential secured	1	\$	425,415	\$ 67,532	\$ –	\$ –	\$ –	\$ 492,947	\$ 418,507	\$ 65,783	\$ –	\$ –	\$ –	\$ 484,290
Qualifying revolving retail	2		36,706	131,901	–	–	–	168,607	37,333	127,577	–	–	–	164,910
Other retail	3		88,003	8,361	–	–	43	96,407	86,444	8,064	–	–	42	94,550
	4		550,124	207,794	–	–	43	757,961	542,284	201,424	–	–	42	743,750
Non-retail														
Corporate	5		279,707	94,103	194,696	21,930	20,794	611,230	291,504	135,793	248,823	22,784	22,850	721,754
Sovereign	6		435,021	12,335	94,788	27,445	9,859	579,448	451,169	1,799	41,085	28,119	1,766	523,938
Bank	7		26,588	2,895	96,970	15,558	2,517	144,528	32,345	7,870	79,020	15,928	7,490	142,653
	8		741,316	109,333	386,454	64,933	33,170	1,335,206	775,018	145,462	368,928	66,831	32,106	1,388,345
Total	9	\$	1,291,440	\$ 317,127	\$ 386,454	\$ 64,933	\$ 33,213	\$ 2,093,167	\$ 1,317,302	\$ 346,886	\$ 368,928	\$ 66,831	\$ 32,148	\$ 2,132,095
By Country of Risk														
Canada	10	\$	693,041	\$ 166,394	\$ 126,650	\$ 17,538	\$ 9,834	\$ 1,013,457	\$ 686,423	\$ 168,404	\$ 132,250	\$ 17,414	\$ 9,829	\$ 1,014,320
United States	11		521,156	146,248	145,780	20,787	21,794	855,765	559,587	170,688	125,931	21,610	21,005	898,821
Other International														
Europe	12		59,600	3,877	80,040	16,748	1,270	161,535	50,302	6,711	77,232	19,242	988	154,475
Other	13		17,643	608	33,984	9,860	315	62,410	20,990	1,083	33,515	8,565	326	64,479
	14		77,243	4,485	114,024	26,608	1,585	223,945	71,292	7,794	110,747	27,807	1,314	218,954
Total	15	\$	1,291,440	\$ 317,127	\$ 386,454	\$ 64,933	\$ 33,213	\$ 2,093,167	\$ 1,317,302	\$ 346,886	\$ 368,928	\$ 66,831	\$ 32,148	\$ 2,132,095
By Residual Contractual Maturity														
Within 1 year	16	\$	401,209	\$ 235,422	\$ 384,930	\$ 35,078	\$ 14,735	\$ 1,071,374	\$ 476,612	\$ 232,866	\$ 367,835	\$ 37,016	\$ 15,500	\$ 1,129,829
Over 1 year to 5 years	17		584,617	79,781	1,524	20,762	18,088	704,772	551,052	112,629	1,093	19,916	15,887	700,577
Over 5 years	18		305,614	1,924	–	9,093	390	317,021	289,638	1,391	–	9,899	761	301,689
Total	19	\$	1,291,440	\$ 317,127	\$ 386,454	\$ 64,933	\$ 33,213	\$ 2,093,167	\$ 1,317,302	\$ 346,886	\$ 368,928	\$ 66,831	\$ 32,148	\$ 2,132,095
Non-Retail Exposures by Industry Sector														
Real estate														
Residential	20	\$	37,650	\$ 5,221	\$ 2	\$ 105	\$ 2,179	\$ 45,157	\$ 36,592	\$ 5,678	\$ 3	\$ 80	\$ 2,147	\$ 44,500
Non-residential	21		53,528	9,089	5	403	707	63,732	53,328	11,142	16	304	689	65,479
Total real-estate	22		91,178	14,310	7	508	2,886	108,889	89,920	16,820	19	384	2,836	109,979
Agriculture	23		10,230	589	11	90	38	10,958	9,950	616	9	75	26	10,676
Automotive	24		14,659	6,316	4	863	336	22,178	13,868	8,725	4	751	315	23,663
Financial	25		59,666	15,390	328,997	26,823	4,028	434,904	57,743	20,639	322,768	26,312	3,665	431,127
Food, beverage, and tobacco	26		7,943	3,974	3	1,736	407	14,063	7,277	6,447	–	1,670	430	15,824
Forestry	27		1,612	900	–	24	78	2,614	1,477	1,154	–	34	83	2,748
Government, public sector entities, and education	28		427,977	8,219	53,719	25,380	6,869	522,164	471,681	7,478	41,177	28,510	6,362	555,208
Health and social services	29		24,780	3,887	91	129	3,483	32,370	24,228	4,643	173	110	3,045	32,199
Industrial construction and trade contractors	30		6,509	2,457	1	17	1,087	10,071	6,100	2,460	8	24	1,080	9,672
Metals and mining	31		4,485	3,304	305	595	913	9,602	4,680	4,935	218	545	978	11,356
Oil and gas	32		4,845	5,220	712	1,220	1,219	13,216	4,620	8,762	2,398	1,412	1,504	18,696
Power and utilities	33		15,882	13,132	46	2,351	5,439	36,850	14,990	18,024	11	2,337	5,121	40,483
Professional and other services	34		22,454	8,813	1,873	678	1,652	35,470	21,470	12,033	886	572	1,893	36,854
Retail sector	35		10,086	3,031	58	228	545	13,948	9,907	4,040	149	218	513	14,827
Sundry manufacturing and wholesale	36		14,601	8,881	89	935	785	25,291	14,020	12,381	114	905	909	28,329
Telecommunications, cable, and media	37		8,199	5,301	–	1,295	592	15,387	7,542	8,703	164	1,304	566	18,279
Transportation	38		8,278	2,582	18	787	1,900	13,565	8,099	3,660	1	775	1,797	14,332
Other	39		7,932	3,027	520	1,274	913	13,666	7,446	3,942	829	893	983	14,093
Total	40	\$	741,316	\$ 109,333	\$ 386,454	\$ 64,933	\$ 33,170	\$ 1,335,206	\$ 775,018	\$ 145,462	\$ 368,928	\$ 66,831	\$ 32,106	\$ 1,388,345

¹ Gross credit risk exposure is before credit risk mitigants. This table excludes securitization, equity, and other credit RWA.

² Gross exposure on undrawn commitments is EAD which is the amount currently undrawn but expected to be drawn assuming a default on the underlying committed loan agreement.

Gross Credit Risk Exposures (Continued)¹

(\$ millions) As at	LINE #	2022 Q4					
		Drawn	Undrawn ²	Repo-style transactions	OTC derivatives	Other off- balance sheet	Total
By Counterparty Type							
Retail							
Residential secured	1	\$ 418,204	\$ 64,683	\$ —	\$ —	\$ —	\$ 482,887
Qualifying revolving retail	2	40,687	126,035	—	—	—	166,722
Other retail	3	88,145	7,969	—	—	43	96,157
	4	547,036	198,687	—	—	43	745,766
Non-retail							
Corporate	5	280,448	124,549	244,164	27,319	21,471	697,951
Sovereign	6	444,791	1,323	32,429	27,269	1,722	507,534
Bank	7	35,495	7,561	84,245	16,132	7,546	150,979
	8	760,734	133,433	360,838	70,720	30,739	1,356,464
Total	9	\$ 1,307,770	\$ 332,120	\$ 360,838	\$ 70,720	\$ 30,782	\$ 2,102,230
By Country of Risk							
Canada	10	\$ 689,516	\$ 162,059	\$ 131,833	\$ 18,845	\$ 9,461	\$ 1,011,714
United States	11	539,447	164,139	121,344	21,751	19,790	866,471
Other International							
Europe	12	55,444	4,936	72,961	18,231	1,183	152,755
Other	13	23,363	986	34,700	11,893	348	71,290
	14	78,807	5,922	107,661	30,124	1,531	224,045
Total	15	\$ 1,307,770	\$ 332,120	\$ 360,838	\$ 70,720	\$ 30,782	\$ 2,102,230
By Residual Contractual Maturity							
Within 1 year	16	\$ 440,422	\$ 229,085	\$ 360,059	\$ 38,723	\$ 14,069	\$ 1,082,358
Over 1 year to 5 years	17	555,058	101,632	776	21,040	15,970	694,476
Over 5 years	18	312,290	1,403	3	10,957	743	325,396
Total	19	\$ 1,307,770	\$ 332,120	\$ 360,838	\$ 70,720	\$ 30,782	\$ 2,102,230
Non-Retail Exposures by Industry Sector							
Real estate							
Residential	20	\$ 36,172	\$ 4,830	\$ 4	\$ 44	\$ 2,119	\$ 43,169
Non-residential	21	50,699	10,888	13	184	655	62,439
Total real-estate	22	86,871	15,718	17	228	2,774	105,608
Agriculture	23	9,620	523	12	152	22	10,329
Automotive	24	12,119	8,152	13	1,003	326	21,613
Financial	25	64,413	18,991	326,199	30,205	3,482	443,290
Food, beverage, and tobacco	26	7,106	5,895	—	1,687	458	15,146
Forestry	27	1,131	1,147	—	27	94	2,399
Government, public sector entities, and education	28	465,491	6,930	32,541	27,551	6,454	538,967
Health and social services	29	23,599	4,320	202	62	2,894	31,077
Industrial construction and trade contractors	30	5,965	2,242	1	10	1,027	9,245
Metals and mining	31	4,221	4,583	126	608	905	10,443
Oil and gas	32	4,466	7,741	110	2,257	1,164	15,738
Power and utilities	33	13,296	16,554	12	2,036	5,090	36,988
Professional and other services	34	19,324	11,305	954	517	1,655	33,755
Retail sector	35	8,350	3,842	160	208	305	12,865
Sundry manufacturing and wholesale	36	13,225	11,284	174	773	1,006	26,462
Telecommunications, cable, and media	37	6,852	7,991	156	1,508	501	17,008
Transportation	38	8,405	3,146	1	1,127	1,884	14,563
Other	39	6,280	3,069	160	761	698	10,968
Total	40	\$ 760,734	\$ 133,433	\$ 360,838	\$ 70,720	\$ 30,739	\$ 1,356,464

¹ Gross credit risk exposure is before credit risk mitigants. This table excludes securitization, equity, and other credit RWA.

² Gross exposure on undrawn commitments is EAD which is the amount currently undrawn but expected to be drawn assuming a default on the underlying committed loan agreement.

Standardized Approach – Credit Risk Exposure and Credit Risk Mitigation (CRM) Effects (CR4)¹

\$ millions) As at		LINE #	2023 Q4						2023 Q3					
			Exposures before CCF ² and CRM		Exposures post-CCF and CRM				Exposures before CCF and CRM		Exposures post-CCF and CRM			
			On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA ³	RWA density ⁴	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA ³	RWA density ⁴
Asset classes														
Sovereigns and their central banks	1	\$	116	\$	–	\$	597	\$	–	\$	96	16.08	%	
Public sector entities	2		–	–	–	–	–	–	–	–	–	–	–	–
Multilateral development banks	3		–	–	–	–	–	–	–	–	–	–	–	–
Banks	4		2,936	–	2,936	–	644	21.93	2,568	–	2,566	–	609	23.73
Of which: securities firms and other financial institutions	5		–	–	–	–	–	–	–	–	–	–	–	–
Covered bonds	6		–	–	–	–	–	–	–	–	–	–	–	–
Corporates	7		1,251	487	1,043	64	1,006	90.88	1,191	435	1,122	59	1,080	91.45
Of which: securities firms and other financial institutions	8		–	–	–	–	–	–	–	–	–	–	–	–
Of which: specialised lending	9		–	–	–	–	–	–	–	–	–	–	–	–
Subordinated debt, equity and other capital	10		15,445	4,332	15,445	1,733	24,828	144.53	14,948	4,095	14,948	1,638	24,421	147.24
Retail	11		2,963	5,163	2,160	1,143	2,116	64.06	2,923	4,894	2,052	1,075	2,011	64.31
Real estate	12		4,018	1,959	4,018	784	2,382	49.60	3,954	2,051	3,954	820	2,446	51.24
Of which: general Residential Real Estate (RRE)	13		4,018	1,959	4,018	784	2,382	49.60	3,954	2,051	3,954	820	2,446	51.24
Of which: Income Producing RRE (IPRRE)	14		–	–	–	–	–	–	–	–	–	–	–	–
Of which: other RRE	15		–	–	–	–	–	–	–	–	–	–	–	–
Of which: general Commercial Real Estate (CRE)	16		–	–	–	–	–	–	–	–	–	–	–	–
Of which: Income Producing CRE (IPCRE)	17		–	–	–	–	–	–	–	–	–	–	–	–
Of which: land acquisition, development and construction	18		–	–	–	–	–	–	–	–	–	–	–	–
Reverse mortgages	19		–	–	–	–	–	–	–	–	–	–	–	–
Mortgage-backed securities	20		–	–	–	–	–	–	–	–	–	–	–	–
Defaulted exposures	21		84	–	76	–	108	142.11	79	–	73	–	104	142.47
Other assets ⁵	22		31,912	–	31,912	–	25,071	78.56	30,068	–	30,068	–	22,625	75.25
Total	23	\$	58,725	\$	11,941	\$	58,187	\$	3,724	\$	56,251	90.86	%	
2023 Q2														
</														

¹ Excludes securitization and CCR.

² Credit conversion factor.

³ RWA calculated on post-CCF and post-CRM exposures.

⁴ Total RWA as a percentage of post-CCF and post-CRM exposures.

⁵ Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Credit Risk Exposure and Credit Risk Mitigation (CRM) Effects (CR4) (Continued)¹

(\$ millions) As at		LINE #	2023 Q1						2022 Q4												
			Exposures before CCF and CRM		Exposures post-CCF and CRM		RWA ²	RWA density ³	Exposures before CCF and CRM		Exposures post-CCF and CRM		RWA ²	RWA density ³							
On-balance sheet amount	Off-balance sheet amount		On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount			On-balance sheet amount	Off-balance sheet amount											
Asset classes																					
Corporate	1	\$	1,763	\$ 473	\$	1,763	\$ 10	\$	1,355	76.42	%	\$	2,191	\$ 426	\$	2,191	\$ 14	\$	1,698	77.01	%
Sovereign	2		1	—		1	—		—		—		1	—		1	—		—		—
Bank	3		674	—		674	—		135	20.03			646	—		646	—		129	19.97	
Retail residential mortgages	4		3,999	1,833		3,999	884		2,792	57.18			3,951	2,201		3,951	1,038		2,968	59.49	
Other retail	5		3,007	5,194		3,007	223		1,836	56.84			2,997	5,609		2,997	235		1,943	60.12	
Equity	6		5,824	3,387		5,824	1,693		4,822	64.15			5,000	3,433		5,000	1,716		4,611	68.66	
Other assets ⁴	7		28,448	—		28,448	—		22,608	79.47			27,631	—		27,631	—		21,808	78.93	
Total	8	\$	43,716	\$ 10,887	\$	43,716	\$ 2,810	\$	33,548	72.11	%	\$	42,417	\$ 11,669	\$	42,417	\$ 3,003	\$	33,157	73.00	%

¹ Excludes securitization and CCR.

² RWA calculated on post-CCF and post-CRM exposures.

³ Total RWA as a percentage of post-CCF and post-CRM exposures.

⁴ Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Exposures by Asset Classes and Risk Weights (CR5)

(\$ millions)		2023																											
As at		Q4																											
LINE #		Risk-weight																										Total credit exposures amount (post-CCF and post-CRM) ¹	
		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	100%	105%	110%	130%	150%	250%	400%	1250%	Other		
Asset classes																													
Sovereigns and their central banks	1	\$	115		482																							\$	597
Public sector entities	2																												
Multilateral development banks	3																												
Banks	4				2,864														72										2,936
Of which: securities firms and other financial institutions	5																												
Covered bonds	6																												
Corporates	7				34					150									923										1,107
Of which: securities firms and other financial institutions	8																												
Of which: specialised lending	9																												
Subordinated debt, equity and other capital	10		2,082		759														4,614					30	9,330	363			17,178
Retail	11			600											2,703														3,303
Real estate	12				498	419	532	938			2				2,413														4,802
Of which: general RRE	13				498	419	532	938			2				2,413														4,802
Of which: IPRRE	14																												
Of which: other RRE	15																												
Of which: general CRE	16																												
Of which: IPCRE	17																												
Of which: land acquisition, development and construction	18																												
Reverse mortgages	19																												
Mortgage-backed securities	20																												
Defaulted exposures	21																												
Other assets ²	22		6,841																13					63					76
Total	23	\$	9,038	600	4,637	419	532	938			152				2,413	2,703				30,693				93	9,330	363			\$ 61,911

¹ Total credit exposure amount (post-CCF and post-CRM): the amount used for the capital requirements calculation (for both on- and off-balance sheet amounts), therefore net of specific provisions (including partial write-offs) and after CRM techniques and CCF have been applied but before the application of the relevant risk weights.

² Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Exposures by Asset Classes and Risk Weights (CR5) (Continued)

(\$ millions) As at	LINE #	2023 Q3																											
																												Risk-weight	Total credit exposures amount (post-CCF and post-CRM) ¹
		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	100%	105%	110%	130%	150%	250%	400%	1250%	Other		
Asset classes																													
Sovereigns and their central banks	1	\$ 129		435						–									–				–				–	\$ 564	
Public sector entities	2	–								–									–								–	–	
Multilateral development banks	3	–		–		–				–									–				–				–	–	
Banks	4			2,446		–		–		–				–					120				–				–	2,566	
Of which: securities firms and other financial institutions	5			–		–		–		–				–					–				–				–	–	
Covered bonds	6			–		–		–		–				–					–				–				–	–	
Corporates	7			32						149		–		7	–	–			993				–	–			–	1,181	
Of which: securities firms and other financial institutions	8			–						–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Of which: specialised lending	9			–						–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Subordinated debt, equity and other capital	10	1,978		645															4,295				30	9,247	391		–	16,586	
Retail	11		558									–		–	2,569			–	–		–		–				–	3,127	
Real estate	12			439	391	496	863	–	–	–		–	–	2,585	–			–	–	–	–		–				–	4,774	
Of which: general RRE	13			439	391	496	863	–	–	–		–	–	2,585	–			–	–	–	–		–				–	4,774	
Of which: IPRRE	14					–	–	–	–	–		–	–	–	–				–	–			–				–	–	
Of which: other RRE	15			–	–	–	–	–	–	–	–	–	–	–	–			–	–	–			–				–	–	
Of which: general CRE	16				–	–	–	–	–	–	–	–	–	–	–			–	–	–			–				–	–	
Of which: IPCRE	17											–	–	–	–			–	–	–	–	–					–	–	
Of which: land acquisition, development and construction	18																	–	–	–	–	–	–				–	–	
Reverse mortgages	19					–	–	–	–	–		–	–	–	–			–	–	–	–	–	–				–	–	
Mortgage-backed securities	20			–	–	–	–	–	–	–	–	–	–	–	–			–	–	–	–	–	–				–	–	
Defaulted exposures	21									–									13				60				–	73	
Other assets ²	22	7,443		–															22,625				–		–	–	–	30,068	
Total	23	\$ 9,550	558	3,997	391	496	863	–	–	149	–	–	–	2,585	2,576	–	–	–	28,046	–	–	–	90	9,247	391	–	–	\$ 58,938	

¹ Total credit exposure amount (post-CCF and post-CRM): the amount used for the capital requirements calculation (for both on- and off-balance sheet amounts), therefore net of specific provisions (including partial write-offs) and after CRM techniques and CCF have been applied but before the application of the relevant risk weights.

² Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Exposures by Asset Classes and Risk Weights (CR5) (Continued)

(\$ millions) As at	LINE #	2023 Q2																												
		Risk-weight																										Total credit exposures amount (post-CCF and post-CRM) ¹		
		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	100%	105%	110%	130%	150%	250%	400%	1250%	Other			
Asset classes																														
Sovereigns and their central banks	1	\$	248		423						–								–				–				–	\$	671	
Public sector entities	2		–								–																	–		–
Multilateral development banks	3		–				–				–													–				–		–
Banks	4				2,385			–		–					–				107					–				–		2,492
Of which: securities firms and other financial institutions	5				–		–		–		–					–				–				–				–		–
Covered bonds	6				–		–		–		–					–								–				–		–
Corporates	7				33					160			–		7	–	–		1,131					–	–			–		1,331
Of which: securities firms and other financial institutions	8				–					–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Of which: specialised lending	9				–					–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Subordinated debt, equity and other capital	10		2,032		1,400														4,280					30	10,054	211		–		18,007
Retail	11			578								–			–	2,623			–			–		–				–		3,201
Real estate	12				426	375	498	869	–	–	–		–		2,761	–		–	–		–			–				–		4,929
Of which: general RRE	13				426	375	498	869		–	–		–		2,761	–		–	–		–			–				–		4,929
Of which: IPRE	14						–		–	–	–		–		–				–					–				–		–
Of which: other RRE	15				–	–	–	–	–	–	–	–	–	–	–		–	–	–					–				–		–
Of which: general CRE	16				–		–	–	–	–	–	–	–	–	–		–	–	–					–				–		–
Of which: IPCRE	17													–	–			–	–			–						–		–
Of which: land acquisition, development and construction	18																		–									–		–
Reverse mortgages	19					–	–	–	–	–		–							–					–				–		–
Mortgage-backed securities	20				–	–	–	–	–	–	–	–	–	–	–		–	–	–		–			–				–		–
Defaulted exposures	21									–									12					62				–		74
Other assets ²	22		7,218		–														22,234						–		–	–		29,452
Total	23	\$	9,498	578	4,667	375	498	869	–	–	160	–	–	–	2,761	2,630	–	–	–	27,764	–	–	–	92	10,054	211	–	–	\$	60,157

¹ Total credit exposure amount (post-CCF and post-CRM): the amount used for the capital requirements calculation (for both on- and off-balance sheet amounts), therefore net of specific provisions (including partial write-offs) and after CRM techniques and CCF have been applied but before the application of the relevant risk weights.

² Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Exposures by Asset Classes and Risk Weights (CR5) (Continued)¹

(\$ millions) As at	LINE #	2023 Q1								2022 Q4							
		Risk-weight							Total credit exposures amount (post-CCF and post-CRM)	Risk-weight							Total credit exposures amount (post-CCF and post-CRM)
		0%	20%	35%	75%	100%	150%	Other		0%	20%	35%	75%	100%	150%	Other	
Asset classes																	
Corporate	1	\$ 419	\$ –	\$ –	\$ –	\$ 1,354	\$ –	\$ –	\$ 1,773	\$ 506	\$ –	\$ –	\$ –	\$ 1,699	\$ –	\$ –	\$ 2,205
Sovereign	2	–	1	–	–	–	–	–	1	–	1	–	–	–	–	–	1
Bank	3	–	674	–	–	–	–	–	674	–	646	–	–	–	–	–	646
Retail residential mortgages	4	–	–	2,184	2,686	13	–	–	4,883	–	–	1,944	3,031	14	–	–	4,989
Other retail	5	557	386	–	2,230	–	57	–	3,230	422	376	–	2,377	–	57	–	3,232
Equity	6	2,140	1,035	–	–	4,342	–	–	7,517	2,190	219	–	–	4,307	–	–	6,716
Other assets ²	7	7,540	–	–	–	20,760	–	148	28,448	7,485	–	–	–	20,001	–	145	27,631
Total	8	\$ 10,656	\$ 2,096	\$ 2,184	\$ 4,916	\$ 26,469	\$ 57	\$ 148	\$ 46,526	\$ 10,603	\$ 1,242	\$ 1,944	\$ 5,408	\$ 26,021	\$ 57	\$ 145	\$ 45,420

¹ Excludes securitization and CCR.

² Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – Exposures by Risk Weights (CR5)

(\$ millions) As at	LINE #	2023 Q4				2023 Q3			
		On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted-average CCF ¹	Exposures (post-CCF and post-CRM)	On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted-average CCF ¹	Exposures (post-CCF and post-CRM)
Risk weight									
Less than 40%	1	\$ 15,016	\$ 3,693	31.04 %	\$ 16,163	\$ 14,772	\$ 3,482	31.09 %	\$ 15,854
40–70%	2	1,781	1,959	40.00	2,564	1,914	2,051	40.00	2,734
75–80%	3	2,112	2,956	19.97	2,702	2,018	2,825	19.76	2,576
85%	4	–	–	–	–	–	–	–	–
90–100%	5	29,713	2,779	35.30	30,696	27,114	2,618	35.61	28,047
105–130%	6	–	–	–	–	–	–	–	–
150%	7	93	–	–	93	91	–	–	91
250%	8	9,330	–	39.90	9,330	9,246	1	39.92	9,246
400%	9	142	554	40.00	363	192	498	40.00	391
1250%	10	–	–	–	–	–	–	–	–
Total exposures	11	\$ 58,187	\$ 11,941	31.18 %	\$ 61,911	\$ 55,347	\$ 11,475	31.31 %	\$ 58,939
		2023 Q2							
		On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted-average CCF ¹	Exposures (post-CCF and post-CRM)				
Risk weight									
Less than 40%	12	\$ 15,380	\$ 3,550	31.13 %	\$ 16,486				
40–70%	13	2,022	2,248	40.00	2,921				
75–80%	14	2,068	2,816	19.93	2,630				
85%	15	–	–	–	–				
90–100%	16	26,865	2,548	35.36	27,765				
105–130%	17	–	–	–	–				
150%	18	91	–	–	91				
250%	19	10,053	1	39.92	10,053				
400%	20	1	526	40.00	211				
1250%	21	–	–	–	–				
Total exposures	22	\$ 56,480	\$ 11,689	31.46 %	\$ 60,157				

¹ Weighting is based on off-balance sheet exposure (pre-CCF).

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Corporate¹

(\$ millions, except as noted)
As at

LINE #	2023 Q4														
CR6: IRB – Credit Risk Exposures by Portfolio and PD range (AIRB)															
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15	AAA to BBB-	\$ 17,588	\$ 11,627	37.28	\$ 20,446	0.11	5,569	27.43	2.4	3,728	18.23	\$ 6		
2	0.15 to <0.25	BB+	12,896	3,168	39.67	9,930	0.20	2,344	24.62	2.7	2,499	25.17	5		
3	0.25 to <0.50	BB to BB-	30,253	17,238	37.78	31,420	0.36	8,335	28.25	2.2	10,830	34.47	32		
4	0.50 to <0.75	B+	11,631	5,992	34.41	12,809	0.69	2,605	28.02	1.9	5,892	46.00	24		
5	0.75 to <2.50	B To B-	26,718	12,872	33.48	29,981	1.77	12,753	37.33	2.2	25,220	84.12	197		
6	2.50 to <10.00	CCC+	1,490	450	48.62	1,468	9.82	335	45.89	2.0	2,632	179.29	66		
7	10.00 to <100.00	CCC to CC and below	2,554	616	40.13	2,738	23.71	809	45.84	1.7	6,092	222.50	300		
8	100.00 (Default)	Default	577	72	34.10	578	100.00	430	68.20	1.9	2,377	411.25	266		
9	Total		\$ 103,707	\$ 52,035	36.45	\$ 109,370	1.96	33,166	31.11	2.2	\$ 59,270	54.19	\$ 896		293
10	0.00 to <0.15	AAA to A-	\$ 6,808	\$ 3,750	65.36	\$ 9,412	0.06	165	25.51	3.4	1,338	14.22	\$ 1		
11	0.15 to <0.25	BBB+	1,830	781	58.64	2,288	0.23	51	16.19	2.1	380	16.61	1		
12	0.25 to <0.50 ⁸	n/a	—	—	—	—	—	—	—	—	—	—	—		
13	0.50 to <0.75	BBB to BB	29,285	10,879	58.33	35,620	0.63	4,582	32.75	3.3	21,988	61.73	74		
14	0.75 to <2.50	BB- To B	19,391	12,109	45.17	24,783	1.53	7,620	36.70	3.1	22,508	90.82	143		
15	2.50 to <10.00	B-	6,171	1,606	50.51	4,544	4.71	1,184	36.35	2.9	5,550	122.14	78		
16	10.00 to <100.00	CCC+ to CC and below	4,003	535	52.34	4,283	30.42	626	41.81	2.6	9,424	220.03	548		
17	100.00 (Default)	Default	363	28	44.94	375	100.00	115	62.35	1.6	1,816	484.27	89		
18	Total		\$ 67,851	\$ 29,688	53.31	\$ 81,305	3.08	14,342	33.46	3.1	\$ 63,004	77.49	\$ 934		40
CR6: IRB – Credit Risk Exposures by Portfolio and PD range (FIRB)															
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
19	0.00 to <0.15	AAA to BBB-	\$ 37,554	\$ 121,644	40.29	\$ 84,439	0.09	885	37.32	2.3	\$ 19,242	22.79	\$ 29		
20	0.15 to <0.25	BB+	8,697	8,748	42.46	11,860	0.20	146	29.98	2.2	3,998	33.71	7		
21	0.25 to <0.50	BB to BB-	13,956	11,782	41.94	17,746	0.35	277	26.71	2.1	6,532	36.81	16		
22	0.50 to <0.75	B+	2,657	2,061	41.88	3,483	0.69	80	37.08	2.1	2,211	63.48	9		
23	0.75 to <2.50	B To B-	5,165	5,223	42.37	6,860	1.79	315	24.92	1.7	4,044	58.95	27		
24	2.50 to <10.00	CCC+	939	536	42.08	1,163	9.82	20	38.16	2.1	1,876	161.31	44		
25	10.00 to <100.00	CCC to CC and below	888	1,300	52.49	1,415	20.26	26	37.32	3.0	2,836	200.42	108		
26	100.00 (Default)	Default	60	1	73.03	61	100.00	4	57.04	1.0	—	—	43		
27	Total		\$ 69,916	\$ 151,295	40.75	\$ 127,027	0.61	1,752	34.49	2.2	\$ 40,739	32.07	\$ 283		43
28	0.00 to <0.15	AAA to A-	\$ 13,919	\$ 17,898	48.56	\$ 22,633	0.07	222	35.51	3.4	5,214	23.04	\$ 6		
29	0.15 to <0.25	BBB+	4,452	5,696	41.77	6,849	0.23	93	37.70	2.7	2,865	41.83	6		
30	0.25 to <0.50 ⁸	n/a	—	—	—	—	—	—	—	—	—	—	—		
31	0.50 to <0.75	BBB to BB	18,664	24,288	39.54	28,318	0.60	355	36.65	3.0	18,543	65.48	61		
32	0.75 to <2.50	BB- To B	7,233	7,740	40.07	10,333	1.44	219	30.87	3.2	8,093	78.32	45		
33	2.50 to <10.00	B-	2,129	1,317	40.67	1,405	4.71	50	25.53	2.9	1,244	88.54	17		
34	10.00 to <100.00	CCC+ to CC and below	539	716	52.34	913	31.69	21	31.09	2.3	1,421	155.64	85		
35	100.00 (Default)	Default	35	32	40.45	48	100.00	5	24.94	2.3	148	308.33	—		
36	Total		\$ 46,971	\$ 57,687	42.81	\$ 70,499	1.07	965	35.24	3.1	\$ 37,528	53.23	\$ 220		7

¹ Excludes counterparty exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA to post-CRM EAD.

⁷ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

⁸ No Borrower Risk Rating mapped to the prescribed PD range.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Corporate (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q3
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CR6: IRB – Credit Risk Exposures by Portfolio and PD range (AIRB)

				Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
Canada ⁷		PD scale ²	External rating												
1		0.00 to <0.15	% AAA to BBB-	\$ 17,061	\$ 12,322	38.63	\$ 20,558	0.11	5,772	27.64	2.4	\$ 3,670	17.85	\$ 6	
2		0.15 to <0.25	BB+	13,782	3,362	39.41	10,479	0.20	2,392	24.73	2.7	2,685	25.62	5	
3		0.25 to <0.50	BB to BB-	31,533	17,821	37.79	32,586	0.35	8,553	28.79	2.2	11,379	34.92	33	
4		0.50 to <0.75	B+	10,746	5,210	32.19	11,475	0.69	2,485	27.82	1.9	5,224	45.53	22	
5		0.75 to <2.50	B To B-	23,796	11,611	33.29	26,602	1.72	12,454	38.11	2.2	22,650	85.14	174	
6		2.50 to <10.00	CCC+	1,486	483	51.03	1,485	9.82	318	46.18	2.1	2,719	183.10	67	
		10.00 to <100.00	CCC to CC and below	2,223	554	43.91	2,389	23.45	731	46.80	1.7	5,445	227.92	260	
7		100.00 (Default)	Default	558	56	28.38	560	100.03	389	67.99	1.8	2,218	396.07	267	
9		Total		\$ 101,185	\$ 51,419	36.69	\$ 106,134	1.85	33,071	31.25	2.2	\$ 55,990	52.75	\$ 834	288
U.S.		PD scale ²	External rating												
10		0.00 to <0.15	% AAA to A-	\$ 6,167	\$ 4,144	64.61	\$ 9,005	0.06	161	27.19	3.4	\$ 1,410	15.66	\$ 1	
11		0.15 to <0.25	BBB+	1,534	824	60.01	2,028	0.23	50	29.42	2.4	726	35.80	1	
12		0.25 to <0.50 ⁸	n/a	—	—	—	—	—	—	—	—	—	—	—	
13		0.50 to <0.75	BBB to BB	28,522	11,160	57.98	34,748	0.63	4,692	33.30	3.3	22,140	63.72	74	
14		0.75 to <2.50	BB- To B	18,720	11,540	45.16	23,902	1.52	7,837	36.66	3.1	21,745	90.98	136	
15		2.50 to <10.00	B-	7,064	1,743	50.90	4,681	4.71	1,215	36.34	2.9	5,687	121.49	80	
		10.00 to <100.00	CCC+ to CC and below	3,198	488	47.34	3,428	30.76	572	43.42	2.7	7,702	224.68	465	
17		100.00 (Default)	Default	179	8	55.03	183	100.00	110	72.62	1.8	1,183	646.45	38	
18		Total		\$ 65,384	\$ 29,907	53.42	\$ 77,975	2.63	14,636	34.25	3.2	\$ 60,593	77.71	\$ 795	41

CR6: IRB – Credit Risk Exposures by Portfolio and PD range (FIRB)

				Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
Canada ⁷		PD scale ²	External rating												
19		0.00 to <0.15	% AAA to BBB-	\$ 38,751	\$ 107,324	40.96	\$ 82,234	0.09	858	37.10	2.3	\$ 18,571	22.58	\$ 28	
20		0.15 to <0.25	BB+	8,139	7,490	43.43	11,306	0.20	148	27.85	2.2	3,660	32.37	6	
21		0.25 to <0.50	BB to BB-	14,402	12,588	39.90	18,583	0.35	289	26.41	2.2	6,800	36.59	17	
22		0.50 to <0.75	B+	2,593	2,100	41.49	3,443	0.69	77	37.18	2.2	2,238	65.00	9	
23		0.75 to <2.50	B To B-	5,283	4,318	44.44	6,987	1.65	305	27.77	2.2	4,708	67.38	28	
24		2.50 to <10.00	CCC+	824	704	43.31	1,127	9.82	25	36.97	2.1	1,762	156.34	41	
		10.00 to <100.00	CCC to CC and below	324	594	58.05	572	21.75	17	39.97	2.1	1,181	206.47	50	
26		100.00 (Default)	Default	57	1	83.60	58	100.00	4	56.79	1.0	6	10.34	38	
27		Total		\$ 70,373	\$ 135,119	41.20	\$ 124,310	0.48	1,723	34.16	2.3	\$ 38,926	31.31	\$ 217	38
U.S.		PD scale ²	External rating												
28		0.00 to <0.15	% AAA to A-	\$ 13,277	\$ 16,194	48.94	\$ 21,413	0.07	227	38.89	3.5	5,376	25.11	\$ 5	
29		0.15 to <0.25	BBB+	4,118	5,840	42.94	6,630	0.23	93	38.38	2.8	2,841	42.85	6	
30		0.25 to <0.50 ⁸	n/a	—	—	—	—	—	—	—	—	—	—	—	
31		0.50 to <0.75	BBB to BB	17,242	22,808	39.55	26,318	0.60	361	37.13	3.0	17,752	67.45	58	
32		0.75 to <2.50	BB- To B	6,095	7,036	39.96	8,905	1.45	209	31.84	3.3	7,266	81.59	41	
33		2.50 to <10.00	B-	1,318	1,042	40.59	1,085	4.71	43	24.59	2.9	928	85.53	13	
		10.00 to <100.00	CCC+ to CC and below	414	427	43.54	600	33.33	15	26.26	2.2	786	131.00	51	
35		100.00 (Default)	Default	58	3	44.18	60	100.00	5	24.95	2.1	186	310.00	—	
36		Total		\$ 42,522	\$ 53,350	42.88	\$ 65,011	0.96	952	36.79	3.2	\$ 35,135	54.04	\$ 174	30

1 Excludes counterparty exposures (derivative and repo-style transactions).

2 Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

3 Exposures based on obligors prior to CRM.

4 Exposures after CRM reflecting guarantor.

5 Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

6 Total RWA to post-CRM EAD.

7 Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

8 No Borrower Risk Rating mapped to the prescribed PD range.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Corporate (Continued)¹

(\$ millions, except as noted)
As at

LINE
#

2023
Q2

CR6: IRB – Credit Risk Exposures by Portfolio and PD range (AIRB)

				Original on-balance sheet gross exposure ³	Off- balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
	PD scale ²	External rating													
Canada ⁷	1	0.00 to <0.15	% AAA to BBB-	\$ 16,545	\$ 13,333	38.83	\$ 20,490	0.11	5,974	28.51	2.4	\$ 3,820	18.64	\$ 7	
	2	0.15 to <0.25	BB+	14,678	4,727	42.53	11,530	0.20	2,532	25.77	2.7	3,108	26.96	6	
	3	0.25 to <0.50	BB to BB-	32,146	16,508	36.21	32,379	0.36	8,496	28.78	2.2	11,587	35.79	33	
	4	0.50 to <0.75	B+	10,163	4,839	35.22	11,242	0.69	2,477	27.95	1.9	5,153	45.84	22	
	5	0.75 to <2.50	B To B-	23,343	11,171	32.37	25,712	1.72	12,101	38.33	2.2	22,346	86.91	168	
	6	2.50 to <10.00	CCC+	1,586	384	46.52	1,611	9.82	288	46.89	2.1	3,018	187.34	74	
		10.00 to <100.00	CCC to CC and below												
	7			2,202	611	40.32	2,388	24.11	717	47.51	1.7	5,582	233.75	268	
	8	100.00 (Default)	Default	467	38	38.83	467	100.00	404	63.91	1.8	1,512	323.77	240	
	9	Total		\$ 101,130	\$ 51,611	36.67	\$ 105,819	1.78	32,970	31.49	2.3	\$ 56,126	53.04	\$ 818	\$ 250
U.S.	10	0.00 to <0.15	% AAA to A-	\$ 6,855	\$ 4,145	63.51	\$ 9,651	0.06	170	25.25	3.3	\$ 1,414	14.65	\$ 2	
	11	0.15 to <0.25	BBB+	2,976	1,427	53.53	3,740	0.23	72	27.51	2.3	1,114	29.79	2	
	12	0.25 to <0.50 ⁸	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	13	0.50 to <0.75	BBB to BB	32,189	14,306	57.77	40,211	0.63	4,674	34.09	3.4	26,222	65.21	87	
	14	0.75 to <2.50	BB- To B	19,449	12,431	45.65	25,017	1.52	7,858	36.25	3.1	22,598	90.33	141	
	15	2.50 to <10.00	B-	7,581	1,671	45.27	4,743	4.71	1,416	36.63	3.0	5,860	123.55	82	
		10.00 to <100.00	CCC+ to CC and below												
	16			3,008	453	47.64	3,191	28.89	521	44.05	2.7	7,362	230.71	400	
	17	100.00 (Default)	Default	133	15	49.46	140	100.00	125	63.39	2.2	912	651.43	16	
	18	Total		\$ 72,191	\$ 34,448	53.17	\$ 86,693	2.23	14,834	34.00	3.2	\$ 65,482	75.53	\$ 730	\$ 22

CR6: IRB – Credit Risk Exposures by Portfolio and PD range (FIRB)

				Original on-balance sheet gross exposure ³	Off- balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
	PD scale ²	External rating													
Canada ⁷	19	0.00 to <0.15	% AAA to BBB-	\$ 38,417	\$ 110,264	40.56	\$ 82,592	0.10	837	37.27	2.4	\$ 18,946	22.94	\$ 29	
	20	0.15 to <0.25	BB+	7,486	8,189	44.00	11,023	0.20	140	28.16	2.3	3,641	33.03	6	
	21	0.25 to <0.50	BB to BB-	12,190	11,882	38.92	16,183	0.34	255	26.35	2.4	6,025	37.23	14	
	22	0.50 to <0.75	B+	2,703	1,907	41.99	3,497	0.69	69	35.33	2.4	2,246	64.23	9	
	23	0.75 to <2.50	B To B-	5,175	4,184	45.62	6,889	1.56	286	27.06	2.3	4,492	65.21	25	
	24	2.50 to <10.00	CCC+	566	1,047	40.46	988	9.82	29	34.79	2.4	1,467	148.48	34	
		10.00 to <100.00	CCC to CC and below												
	25			336	878	54.27	706	22.28	19	43.02	2.0	1,559	220.82	67	
	26	100.00 (Default)	Default	28	–	76.48	28	100.00	2	75.00	1.0	–	–	26	
	27	Total		\$ 66,901	\$ 138,351	40.88	\$ 121,906	0.47	1,637	34.39	2.4	\$ 38,376	31.48	\$ 210	\$ 27
U.S.	28	0.00 to <0.15	% AAA to A-	\$ 13,050	\$ 14,811	50.13	\$ 20,691	0.06	209	38.87	3.5	5,139	24.84	\$ 5	
	29	0.15 to <0.25	BBB+	3,605	5,762	45.76	6,247	0.23	91	38.50	3.3	2,972	47.57	6	
	30	0.25 to <0.50 ⁸	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	31	0.50 to <0.75	BBB to BB	14,708	19,738	39.50	22,551	0.60	316	38.05	3.1	15,635	69.33	51	
	32	0.75 to <2.50	BB- To B	4,814	6,350	40.28	7,370	1.42	178	33.40	3.4	6,363	86.34	34	
	33	2.50 to <10.00	B-	1,404	994	40.65	1,105	4.71	42	28.80	2.9	1,097	99.28	15	
		10.00 to <100.00	CCC+ to CC and below												
	34			573	498	43.52	790	35.93	19	30.23	2.3	1,199	151.77	82	
	35	100.00 (Default)	Default	1	2	40.00	1	100.00	4	22.95	4.7	4	400.00	–	
	36	Total		\$ 38,155	\$ 48,155	43.69	\$ 58,755	1.03	858	37.52	3.3	\$ 32,409	55.16	\$ 193	\$ –

¹ Excludes counterparty exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA to post-CRM EAD.

⁷ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

⁸ No Borrower Risk Rating mapped to the prescribed PD range.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Corporate (Continued)¹

(\$ millions, except as noted)
As at

(\$ millions, except as noted) As at		LINE #	2023 Q1													
			PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off- balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
Canada ⁷	1	0.00 to <0.15	%	AAA to BBB-	\$ 63,689	\$ 109,388	75.55	% \$ 160,547	0.08	6,825	34.93	% 2.7	\$ 32,437	20.20	% \$ 42	
	2	0.15 to <0.25		BB+	25,225	9,886	75.43	27,346	0.20	2,318	26.51	2.4	8,473	30.98	15	
	3	0.25 to <0.50		BB to BB-	43,573	16,239	73.46	48,954	0.36	7,478	27.30	2.3	18,743	38.29	47	
	4	0.50 to <0.75		B+	14,122	3,645	74.36	16,183	0.69	2,225	26.77	2.0	7,983	49.33	30	
	5	0.75 to <2.50		B To B-	27,467	7,028	75.35	31,418	1.67	11,707	38.47	2.3	31,009	98.70	201	
	6	2.50 to <10.00		CCC+	2,066	1,105	69.93	2,599	9.82	313	44.96	2.3	5,221	200.88	115	
	7	10.00 to <100.00		CCC to CC and below	2,633	1,511	75.32	3,676	21.20	677	41.03	1.8	8,222	223.67	320	
	8	100.00 (Default)		Default	523	84	49.68	561	100.00	231	54.48	2.3	1,752	312.30	276	
	9	Total			\$ 179,298	\$ 148,886	75.22	% \$ 291,284	0.89	31,013	32.99	% 2.5	\$ 113,840	39.08	% \$ 1,046	
U.S.	10	0.00 to <0.15	%	AAA to A-	\$ 22,550	\$ 19,038	65.69	% \$ 39,750	0.05	480	30.40	% 3.4	\$ 5,889	14.82	% \$ 5	
	11	0.15 to <0.25		BBB+	7,226	6,627	61.96	11,337	0.23	175	28.30	2.8	3,906	34.45	7	
	12	0.25 to <0.50 ⁸		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
	13	0.50 to <0.75		BBB to BB	45,383	34,039	60.26	65,711	0.61	4,922	32.95	3.3	43,825	66.69	133	
	14	0.75 to <2.50		BB- To B	22,436	12,590	61.03	30,076	1.50	6,561	35.57	3.3	28,919	96.15	163	
	15	2.50 to <10.00		B-	9,148	2,174	59.10	5,962	4.71	1,352	33.27	3.1	7,195	120.68	93	
	16	10.00 to <100.00		CCC+ to CC and below	3,497	1,063	48.32	4,010	29.17	559	39.78	2.8	9,062	225.99	454	
	17	100.00 (Default)		Default	202	90	45.61	243	100.00	136	48.02	3.1	1,308	538.27	19	
	18	Total			\$ 110,442	\$ 75,621	61.69	% \$ 157,089	1.65	14,181	32.68	% 3.2	\$ 100,104	63.72	% \$ 874	
2022 Q4																
			PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off- balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
Canada ⁷	19	0.00 to <0.15	%	AAA to BBB-	\$ 55,751	\$ 107,226	69.52	% \$ 144,141	0.08	6,780	34.72	% 2.7	\$ 28,293	19.63	% \$ 37	
	20	0.15 to <0.25		BB+	27,515	10,160	69.99	29,020	0.20	2,419	24.19	2.3	8,125	28.00	14	
	21	0.25 to <0.50		BB to BB-	43,285	15,486	67.37	47,480	0.36	7,517	26.35	2.2	17,593	37.05	44	
	22	0.50 to <0.75		B+	13,282	3,289	69.23	14,823	0.68	2,214	27.39	1.9	7,444	50.22	28	
	23	0.75 to <2.50		B To B-	25,321	6,372	69.14	28,622	1.63	11,126	37.15	2.1	26,736	93.41	171	
	24	2.50 to <10.00		CCC+	2,240	1,122	50.55	2,732	9.01	307	44.72	2.2	5,246	192.02	110	
	25	10.00 to <100.00		CCC to CC and below	2,244	1,317	56.82	2,908	20.78	672	40.71	1.8	6,390	219.74	246	
	26	100.00 (Default)		Default	418	14	67.38	423	100.00	213	56.78	1.8	1,170	276.60	246	
	27	Total			\$ 170,056	\$ 144,986	69.04	% \$ 270,149	0.81	30,452	32.17	% 2.4	\$ 100,997	37.39	% \$ 896	
U.S.	28	0.00 to <0.15	%	AAA to A-	\$ 22,918	\$ 17,836	66.09	% \$ 39,908	0.05	486	30.86	% 3.5	\$ 5,873	14.72	% \$ 5	
	29	0.15 to <0.25		BBB+	6,296	6,970	61.27	10,572	0.23	166	27.31	2.8	3,458	32.71	7	
	30	0.25 to <0.50		BBB	6,538	10,205	61.49	12,815	0.48	222	34.28	2.8	7,676	59.90	21	
	31	0.50 to <0.75		BBB- to BB	36,980	23,801	59.90	51,036	0.64	4,572	32.75	3.4	35,000	68.58	107	
	32	0.75 to <2.50		BB- To B	21,922	12,245	61.08	29,357	1.49	6,841	35.64	3.2	28,159	95.92	159	
	33	2.50 to <10.00		B-	9,796	2,370	58.86	6,225	4.69	1,483	32.32	3.1	7,273	116.84	94	
	34	10.00 to <100.00		CCC+ to CC and below	3,594	894	47.20	4,016	30.52	590	37.37	3.0	8,638	215.09	450	
	35	100.00 (Default)		Default	155	71	41.42	185	100.00	141	72.00	3.0	1,376	743.78	36	
	36	Total			\$ 108,199	\$ 74,392	61.72	% \$ 154,114	1.67	14,496	32.71	% 3.3	\$ 97,453	63.23	% \$ 879	

¹ Excludes counterparty exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA to post-CRM EAD.

⁷ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

⁸ No Borrower Risk Rating mapped to the prescribed PD range.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Sovereign^{1,2}

(\$ millions, except as noted)
As at

LINE #	2023													
	Q4													
	PD scale ³	External rating	Original on-balance sheet gross exposure ⁴	Off-balance sheet exposures pre-CCF ⁴	Average CCF (%)	EAD post CRM and post-CCF ⁵	Average PD (%)	Number of obligors ⁶	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁷	EL	Provisions
1	0.00 to <0.15	% AAA to BBB-	\$ 402,376	30,895	63.76 %	498,207 ⁸	0.01 %	3,920	11.85 %	2.9	\$ 10,389	2.09 %	\$ 8	
2	0.15 to <0.25	BB+	948	998	76.15	1,557	0.22	118	29.08	2.6	492	31.60	1	
3	0.25 to <0.50	BB to BB-	530	146	14.50	531	0.32	263	30.12	2.0	181	34.09	1	
4	0.50 to <0.75	B+	306	367	87.44	623	0.57	83	32.22	2.4	341	54.74	1	
5	0.75 to <2.50	B To B-	966	450	30.87	852	1.80	645	42.44	2.6	909	106.69	7	
6	2.50 to <10.00	CCC+	1,374	14	53.58	72	9.65	9	47.58	1.5	135	187.50	3	
	10.00 to <100.00	CCC to CC and below	189	2	46.00	190	32.01	27	47.96	3.3	451	237.37	32	
7	100.00 (Default)	Default	137	2	24.65	137	100.00	23	35.69	3.0	194	141.61	45	
9	Total		\$ 406,826	\$ 32,874	63.72 %	\$ 502,169	0.06 %	5,074	12.03 %	2.8	\$ 13,092	2.61 %	\$ 98	\$ 45
2023 Q3														
	PD scale ³	External rating	Original on-balance sheet gross exposure ⁴	Off-balance sheet exposures pre-CCF ⁴	Average CCF (%)	EAD post CRM and post-CCF ⁵	Average PD (%)	Number of obligors ⁶	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁷	EL	Provisions
10	0.00 to <0.15	% AAA to BBB-	\$ 384,581	32,416	63.91 %	480,754 ⁸	0.01 %	4,013	12.28 %	3.0	\$ 10,943	2.28 %	\$ 9	
11	0.15 to <0.25	BB+	839	962	75.55	1,411	0.22	117	27.96	2.6	431	30.55	1	
12	0.25 to <0.50	BB to BB-	578	129	15.63	583	0.32	268	27.67	2.3	195	33.45	1	
13	0.50 to <0.75	B+	404	390	85.44	720	0.58	103	33.61	2.5	414	57.50	1	
14	0.75 to <2.50	B To B-	887	377	35.10	764	1.82	590	42.93	2.4	821	107.46	6	
15	2.50 to <10.00	CCC+	1,362	21	40.56	107	9.71	13	54.82	2.9	257	240.19	6	
	10.00 to <100.00	CCC to CC and below	213	13	40.34	219	33.58	27	51.21	3.6	548	250.23	40	
16	100.00 (Default)	Default	135	2	22.19	135	100.00	23	35.34	3.2	180	133.33	46	
18	Total		\$ 388,999	\$ 34,310	63.96 %	\$ 484,693	0.06 %	5,140	12.45 %	3.0	\$ 13,789	2.84 %	\$ 110	\$ 46
2023 Q2														
	PD scale ³	External rating	Original on-balance sheet gross exposure ⁴	Off-balance sheet exposures pre-CCF ⁴	Average CCF (%)	EAD post CRM and post-CCF ⁵	Average PD (%)	Number of obligors ⁶	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁷	EL	Provisions
19	0.00 to <0.15	% AAA to BBB-	\$ 430,021	\$ 31,891	65.54 %	\$ 528,406 ⁸	0.01 %	4,057	11.79 %	2.9	\$ 11,391	2.16 %	\$ 9	
20	0.15 to <0.25	BB+	1,144	944	74.72	1,687	0.22	132	26.25	2.9	509	30.17	1	
21	0.25 to <0.50	BB to BB-	542	245	39.72	628	0.31	280	28.62	2.5	220	35.03	1	
22	0.50 to <0.75	B+	350	367	89.02	660	0.58	95	34.41	2.5	397	60.15	1	
23	0.75 to <2.50	B To B-	974	413	35.98	838	1.85	592	41.27	2.3	867	103.46	6	
24	2.50 to <10.00	CCC+	1,384	24	40.62	104	9.70	9	54.06	3.0	249	239.42	5	
	10.00 to <100.00	CCC to CC and below	260	10	29.90	263	32.70	34	48.87	3.5	632	240.30	46	
25	100.00 (Default)	Default	97	3	37.80	99	100.00	20	30.07	3.7	102	103.03	27	
27	Total		\$ 434,772	\$ 33,897	65.47 %	\$ 532,685	0.05 %	5,203	11.96 %	2.9	\$ 14,367	2.70 %	\$ 96	\$ 27

1 As of the second quarter 2023, the sovereign disclosure includes all public sector entities. Previously, these exposures may have resided across various asset classes.

2 Excludes CCR exposures (derivative and repo-style transactions).

3 Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

4 Exposures based on obligors prior to CRM.

5 Exposures after CRM reflecting guarantor.

6 Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

7 Total RWA as a percentage of post-CRM EAD.

8 Includes residential secured government insured exposures (CMHC). For pre-CRM, these are included under Residential secured – insured.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Sovereign (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q1														
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15	% AAA to BBB-	\$ 449,761	\$ 4,390	79.18	% \$ 511,561 ⁷	0.01	1,056	7.67	% 2.7	\$ 4,067	0.80	% \$ 2		
2	0.15 to <0.25	BB+	37	—	—	34	0.20	1	13.70	1.0	3	8.82	—		
3	0.25 to <0.50	BB to BB-	—	—	—	—	—	—	—	—	—	—	—		
4	0.50 to <0.75	B+	—	—	—	—	—	—	—	—	—	—	—		
5	0.75 to <2.50	B To B-	170	143	59.00	—	2.23	2	33.90	2.5	—	—	—		
6	2.50 to <10.00	CCC+	1,200	10	47.18	2	4.71	2	5.26	5.0	1	50.00	—		
7	10.00 to <100.00	CCC to CC and below	—	—	—	—	—	—	—	—	—	—	—		
8	100.00 (Default)	Default	—	—	—	—	—	—	—	—	—	—	—		
9	Total		\$ 451,168	\$ 4,543	78.47	% \$ 511,597	0.01	1,059	7.67	% 2.7	\$ 4,071	0.80	% \$ 2		\$ —
2022 Q4															
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
10	0.00 to <0.15	% AAA to BBB-	\$ 443,386	\$ 3,857	76.54	% \$ 508,124 ⁷	0.01	1,052	8.06	% 2.7	\$ 4,287	0.84	% \$ 2		
11	0.15 to <0.25	BB+	41	—	—	41	0.20	1	13.60	1.0	4	9.76	—		
12	0.25 to <0.50	BB to BB-	—	—	—	—	—	—	—	—	—	—	—		
13	0.50 to <0.75	B+	—	—	—	—	—	—	—	—	—	—	—		
14	0.75 to <2.50	B To B-	187	147	59.00	—	2.14	1	33.75	2.5	—	—	—		
15	2.50 to <10.00	CCC+	1,177	16	40.28	1	4.69	1	—	5.0	—	—	—		
16	10.00 to <100.00	CCC to CC and below	—	—	—	—	—	—	—	—	—	—	—		
17	100.00 (Default)	Default	—	—	—	—	—	—	—	—	—	—	—		
18	Total		\$ 444,791	\$ 4,020	75.75	% \$ 508,166	0.01	1,055	8.06	% 2.7	\$ 4,291	0.84	% \$ 2		\$ —

¹ Excludes CCR exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential secured government insured exposures (CMHC). For pre-CRM, these are included under Residential secured – insured.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Bank¹

(\$ millions, except as noted)
As at

LINE #	2023 Q4													
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15	% AAA to BBB-	\$ 20,003	\$ 10,672	46.61	\$ 25,743	0.05	424	47.94	2.2	\$ 6,236	24.22	\$ 6	
2	0.15 to <0.25	BB+	308	599	41.76	559	0.21	27	49.22	1.7	234	41.86	1	
3	0.25 to <0.50	BB to BB-	148	51	37.41	168	0.32	12	37.46	2.1	77	45.83	–	
4	0.50 to <0.75	B+	1,887	1,918	38.17	2,619	0.55	32	39.27	1.7	1,448	55.29	6	
5	0.75 to <2.50	B To B-	324	13	48.82	58	1.73	27	25.04	4.0	42	72.41	–	
6	2.50 to <10.00	CCC+	–	17	88.50	15	4.71	10	1.00	4.2	–	–	–	
7	10.00 to <100.00	CCC to CC and below	–	1	50.00	1	33.46	1	–	1.0	–	–	–	
8	100.00 (Default)	Default	–	–	–	–	–	–	–	–	–	–	–	
9	Total		\$ 22,670	\$ 13,271	45.19	\$ 29,163	0.11	530	47.06	2.2	\$ 8,037	27.56	\$ 13	–
2023 Q3														
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
10	0.00 to <0.15	% AAA to BBB-	\$ 17,945	\$ 9,815	46.30	\$ 22,985	0.05	402	48.65	2.4	\$ 6,057	26.35	\$ 6	
11	0.15 to <0.25	BB+	499	680	40.70	774	0.22	30	44.66	2.2	339	43.80	1	
12	0.25 to <0.50	BB to BB-	308	51	37.39	237	0.36	12	39.75	1.8	123	51.90	–	
13	0.50 to <0.75	B+	1,978	1,781	38.13	2,653	0.55	32	39.22	1.8	1,498	56.46	6	
14	0.75 to <2.50	B To B-	324	16	39.31	55	1.72	31	36.11	4.1	59	107.27	–	
15	2.50 to <10.00	CCC+	4	39	59.82	27	4.71	9	3.24	2.6	3	11.11	–	
16	10.00 to <100.00	CCC to CC and below	–	1	50.00	1	33.46	1	–	1.0	–	–	–	
17	100.00 (Default)	Default	–	–	–	–	–	–	–	–	–	–	–	
18	Total		\$ 21,058	\$ 12,383	44.82	\$ 26,732	0.12	515	47.45	2.3	\$ 8,079	30.22	\$ 13	–
2023 Q2														
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions
19	0.00 to <0.15	% AAA to BBB-	\$ 20,363	\$ 9,605	46.98	\$ 25,339	0.06	410	50.13	2.2	\$ 6,314	24.92	\$ 7	
20	0.15 to <0.25	BB+	776	664	38.12	1,018	0.22	32	49.84	2.5	512	50.29	1	
21	0.25 to <0.50	BB to BB-	318	101	25.03	244	0.44	12	45.04	1.9	169	69.26	1	
22	0.50 to <0.75	B+	2,566	1,486	39.10	2,861	0.56	33	38.61	1.9	1,615	56.45	6	
23	0.75 to <2.50	B To B-	50	14	41.19	55	1.69	31	36.30	4.2	60	109.09	–	
24	2.50 to <10.00	CCC+	28	33	67.90	50	4.71	13	7.53	2.1	11	22.00	–	
25	10.00 to <100.00	CCC to CC and below	–	10	99.02	10	40.76	1	45.00	1.0	24	240.00	2	
26	100.00 (Default)	Default	–	–	–	–	–	–	–	–	–	–	–	
27	Total		\$ 24,101	\$ 11,913	45.41	\$ 29,577	0.14	529	48.86	2.1	\$ 8,705	29.43	\$ 17	–

¹ Excludes CCR exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA as a percentage of post-CRM EAD.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Bank (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023														
	Q1														
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15	% AAA to BBB-	\$ 30,047	\$ 19,525	74.44	% \$ 45,068	0.04	% 1,022	25.81	% 3.0	\$ 5,451	12.10	% \$ 4		
2	0.15 to <0.25	BB+	293	924	79.92	1,031	0.23	38	28.76	2.6	342	33.17	1		
3	0.25 to <0.50	BB to BB-	459	54	79.67	230	0.44	12	16.79	1.5	60	26.09	—		
4	0.50 to <0.75	B+	613	31	74.35	446	0.59	41	61.14	3.0	487	109.19	2		
5	0.75 to <2.50	B To B-	111	26	74.50	109	1.91	23	62.63	4.2	219	200.92	1		
6	2.50 to <10.00	CCC+	9	—	59.00	6	8.31	4	7.06	2.0	2	33.33	—		
7	10.00 to <100.00	CCC to CC and below	139	1	42.70	140	36.87	3	62.12	5.0	447	319.29	33		
8	100.00 (Default)	Default	—	—	—	—	—	—	—	—	—	—	—		
9	Total		\$ 31,671	\$ 20,561	74.70	% \$ 47,030	0.17	% 1,134	26.35	% 2.9	\$ 7,008	14.90	% \$ 41		\$ —
2022															
Q4															
	PD scale ²	External rating	Original on-balance sheet gross exposure ³	Off-balance sheet exposures pre-CCF ³	Average CCF (%)	EAD post CRM and post-CCF ⁴	Average PD (%)	Number of obligors ⁵	Average LGD (%)	Average maturity (years)	RWA	RWA density ⁶	EL	Provisions	
10	0.00 to <0.15	% AAA to BBB-	\$ 31,867	\$ 19,381	73.49	% \$ 46,335	0.04	% 1,015	26.68	% 2.9	\$ 5,759	12.43	% \$ 5		
11	0.15 to <0.25	BB+	299	956	84.06	1,102	0.22	42	27.47	2.8	354	32.12	1		
12	0.25 to <0.50	BB to BB-	1,762	54	74.40	1,800	0.44	21	49.88	0.3	1,075	59.72	4		
13	0.50 to <0.75	B+	672	24	77.08	487	0.59	34	48.26	3.9	457	93.84	1		
14	0.75 to <2.50	B To B-	122	3	60.95	108	1.61	19	67.11	4.2	225	208.33	1		
15	2.50 to <10.00	CCC+	8	—	59.00	4	8.80	3	4.51	1.2	1	25.00	—		
16	10.00 to <100.00	CCC to CC and below	119	—	—	119	40.80	2	66.20	5.0	391	328.57	33		
17	100.00 (Default)	Default	—	—	—	—	—	—	—	—	—	—	—		
18	Total		\$ 34,849	\$ 20,418	73.99	% \$ 49,955	0.16	% 1,131	27.92	% 2.8	\$ 8,262	16.54	% \$ 45		\$ —

¹ Excludes CCR exposures (derivative and repo-style transactions).

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Exposures based on obligors prior to CRM.

⁴ Exposures after CRM reflecting guarantor.

⁵ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁶ Total RWA as a percentage of post-CRM EAD.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Residential Secured

(\$ millions, except as noted)
As at

LINE #	2023 Q4													
	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15 %	\$ 39,766	\$ 15,265	53.39 %	\$ 11,353	0.07 %	281,970	11.07 %		\$ 218	1.92 %	\$ 1		
2	0.15 to <0.25	6,924	379	48.50	2,748	0.19	32,906	10.94		118	4.29	1		
3	0.25 to <0.50	5,693	179	43.18	2,185	0.32	34,011	10.74		134	6.13	1		
4	0.50 to <0.75	5,565	545	53.16	2,387	0.52	19,424	10.42		201	8.42	1		
5	0.75 to <2.50	6,074	68	45.48	2,488	1.23	17,422	10.49		369	14.83	3		
6	2.50 to <10.00	1,396	23	43.18	482	5.45	6,923	10.64		173	35.89	3		
7	10.00 to <100.00	358	2	67.36	112	23.66	1,951	10.70		64	57.14	3		
8	100.00 (Default)	115	—	—	17	100.00	642	11.15		24	141.18	—		
9	Total	65,891	16,461	53.11	21,772	0.61	395,249	10.87		1,301	5.98	13	5	
10	0.00 to <0.15	191,220	90,566	49.12	235,707	0.07	840,709	21.66		9,815	4.16	35		
11	0.15 to <0.25	49,365	5,049	44.81	51,628	0.19	142,090	26.93		6,039	11.70	27		
12	0.25 to <0.50	35,768	2,914	44.42	37,063	0.32	116,231	28.31		6,951	18.75	34		
13	0.50 to <0.75	15,448	1,938	49.50	16,407	0.51	41,699	28.52		3,883	23.67	24		
14	0.75 to <2.50	18,076	1,045	47.82	18,576	1.25	42,106	28.03		7,995	43.04	64		
15	2.50 to <10.00	3,367	80	44.25	3,402	5.36	11,698	23.93		2,843	83.57	41		
16	10.00 to <100.00	787	8	54.91	791	31.65	2,763	18.80		772	97.60	43		
17	100.00 (Default)	240	—	—	240	100.00	998	19.93		452	188.33	12		
18	Total	314,271	101,600	48.76	363,814	0.37	1,198,294	23.73		38,750	10.65	280	50	
19	0.00 to <0.15	39,218	15,834	66.16	49,694	0.07	117,965	31.47		2,811	5.66	11		
20	0.15 to <0.25	9,360	559	38.93	9,578	0.19	26,938	31.99		1,230	12.84	6		
21	0.25 to <0.50	5,772	403	37.26	5,922	0.31	29,831	31.20		1,066	18.00	6		
22	0.50 to <0.75	4,111	196	37.85	4,185	0.52	9,718	33.84		1,163	27.79	7		
23	0.75 to <2.50	5,198	194	34.03	5,264	1.32	15,816	34.38		2,724	51.75	24		
24	2.50 to <10.00	1,030	63	13.05	1,039	5.62	5,845	31.54		1,110	106.83	18		
25	10.00 to <100.00	389	10	11.34	390	23.66	1,957	29.00		600	153.85	25		
26	100.00 (Default)	632	—	—	632	100.00	3,103	22.10		460	72.78	103		
27	Total	65,710	17,259	63.70	76,704	1.23	211,173	31.75		11,164	14.55	200	52	
28		\$ 445,872	\$ 135,320	51.20 %	\$ 462,290	0.53 %	1,804,716	24.46 %		\$ 51,215	11.08 %	\$ 493	\$ 107	

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential mortgages and home equity lines of credit (HELOCs). Insured classification reflects when insurance on the exposure is used for CRM for reduction of RWA.

⁸ Includes government insured exposures (CMHC) and exposures insured by corporate entities. For post-CRM, government insured exposures are included in Sovereign.

⁹ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Residential Secured (Continued)

(\$ millions, except as noted)
As at

LINE #	2023 Q3													
	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15 %	\$ 41,020	\$ 15,438	53.26 %	\$ 11,476	0.07 %	289,217	11.03 %		\$ 220	1.92 %	\$ 1		
2	0.15 to <0.25	7,016	370	47.02	2,725	0.19	33,801	10.95		118	4.33	1		
3	0.25 to <0.50	8,031	164	44.66	4,517	0.41	36,677	10.58		324	7.17	2		
4	0.50 to <0.75	3,151	534	52.43	31	0.50	16,249	12.31		5	16.13	–		
5	0.75 to <2.50	5,384	72	42.87	2,109	1.28	17,472	10.55		324	15.36	3		
6	2.50 to <10.00	1,367	24	42.43	451	5.39	6,973	10.69		162	35.92	3		
7	10.00 to <100.00	347	3	62.28	108	24.46	1,931	10.71		62	57.41	3		
8	100.00 (Default)	106	–	–	17	100.00	636	11.58		24	141.18	–		
9	Total	66,422	16,605	52.95	21,434	0.59	402,956	10.87		1,239	5.78	13	5	
10	0.00 to <0.15	191,772	89,323	48.79	235,356	0.07	840,866	20.59		9,254	3.93	33		
11	0.15 to <0.25	47,069	4,987	43.45	49,236	0.19	136,847	25.61		5,470	11.11	24		
12	0.25 to <0.50	32,481	2,416	42.69	33,512	0.31	111,436	26.54		5,552	16.57	28		
13	0.50 to <0.75	15,236	1,746	49.55	16,101	0.51	38,079	26.75		3,765	23.38	22		
14	0.75 to <2.50	16,365	943	47.85	16,816	1.26	39,407	26.12		6,804	40.46	54		
15	2.50 to <10.00	3,216	80	45.21	3,253	5.34	11,421	22.08		2,515	77.31	37		
16	10.00 to <100.00	699	6	55.16	702	30.25	2,588	17.26		634	90.31	34		
17	100.00 (Default)	223	–	–	223	100.00	921	18.33		382	171.30	10		
18	Total	307,061	99,501	48.38	355,199	0.35	1,181,565	22.40		34,376	9.68	242	50	
19	0.00 to <0.15	35,920	14,880	66.12	45,760	0.07	117,465	30.89		2,516	5.50	10		
20	0.15 to <0.25	8,529	533	39.27	8,739	0.19	25,991	31.03		1,095	12.53	5		
21	0.25 to <0.50	5,086	384	37.19	5,229	0.31	29,239	30.23		913	17.46	5		
22	0.50 to <0.75	4,027	190	35.97	4,095	0.52	9,413	34.42		1,157	28.25	7		
23	0.75 to <2.50	4,707	200	36.10	4,779	1.30	15,516	33.30		2,367	49.53	21		
24	2.50 to <10.00	967	56	13.18	974	5.74	5,510	30.74		1,015	104.21	16		
25	10.00 to <100.00	336	10	9.74	337	23.60	1,881	28.22		505	149.85	21		
26	100.00 (Default)	619	–	–	619	100.00	3,166	22.18		427	68.98	104		
27	Total	60,191	16,253	63.62	70,532	1.28	208,181	31.14		9,995	14.17	189	48	
28	\$	433,674	\$ 132,359	50.83 %	\$ 447,165	0.51 %	1,792,702	23.22 %		\$ 45,610	10.20 %	\$ 444	\$ 103	

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential mortgages and home equity lines of credit (HELOCs). Insured classification reflects when insurance on the exposure is used for CRM for reduction of RWA.

⁸ Includes government insured exposures (CMHC) and exposures insured by corporate entities. For post-CRM, government insured exposures are included in Sovereign.

⁹ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Residential Secured (Continued)

(\$ millions, except as noted)
As at

LINE #	2023 Q2													
	PD scale ¹		Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
Canada Insured^{7,8,9}	1	0.00 to <0.15 %	\$ 42,378	\$ 15,634	53.31 %	\$ 11,642	0.07 %	296,449	10.94 %		\$ 221	1.90 %	\$ 1	
	2	0.15 to <0.25	7,187	418	48.18	2,746	0.19	34,462	10.90		118	4.30	1	
	3	0.25 to <0.50	6,116	171	44.46	2,326	0.32	35,590	10.71		141	6.06	1	
	4	0.50 to <0.75	4,192	517	52.83	1,596	0.52	16,803	10.57		137	8.58	1	
	5	0.75 to <2.50	5,267	83	40.65	1,986	1.25	17,300	10.54		300	15.11	3	
	6	2.50 to <10.00	1,354	33	50.13	430	5.57	7,099	10.66		156	36.28	3	
	7	10.00 to <100.00	327	3	76.26	82	24.95	1,928	10.71		47	57.32	2	
	8	100.00 (Default)	114	–	–	22	100.00	669	11.48		32	145.45	–	
Canada Uninsured^{7,9}	9	Total	66,935	16,859	53.01	20,830	0.58	410,300	10.83		1,152	5.53	12	5
	10	0.00 to <0.15	190,058	88,392	49.06	233,431	0.07	834,814	20.26		8,931	3.83	32	
	11	0.15 to <0.25	42,352	3,772	44.12	44,016	0.19	129,484	25.01		4,775	10.85	21	
	12	0.25 to <0.50	28,433	1,919	45.71	29,310	0.31	103,554	25.50		4,699	16.03	23	
	13	0.50 to <0.75	14,830	1,669	51.34	15,687	0.52	38,406	26.53		3,668	23.38	22	
	14	0.75 to <2.50	15,748	921	50.34	16,211	1.28	38,781	25.83		6,504	40.12	52	
	15	2.50 to <10.00	2,972	74	44.10	3,004	5.41	11,151	20.90		2,197	73.14	33	
	16	10.00 to <100.00	612	10	69.26	619	32.68	2,443	15.37		486	78.51	29	
U.S. Uninsured⁷	17	100.00 (Default)	181	–	–	181	100.00	842	18.12		307	169.61	8	
	18	Total	295,186	96,757	48.85	342,459	0.34	1,159,475	21.86		31,567	9.22	220	42
	19	0.00 to <0.15	35,470	14,954	66.13	45,360	0.07	119,098	30.51		2,445	5.39	9	
	20	0.15 to <0.25	8,028	555	40.88	8,255	0.19	25,278	29.62		986	11.94	5	
	21	0.25 to <0.50	5,196	398	38.52	5,350	0.31	25,712	29.09		901	16.84	5	
	22	0.50 to <0.75	3,856	198	37.14	3,929	0.53	9,009	32.57		1,065	27.11	7	
	23	0.75 to <2.50	4,739	214	33.36	4,810	1.29	15,266	31.75		2,264	47.07	20	
	24	2.50 to <10.00	831	60	13.17	839	4.80	5,238	31.93		868	103.46	13	
Total residential secured	25	10.00 to <100.00	521	13	13.30	523	22.55	1,904	24.54		648	123.90	28	
	26	100.00 (Default)	609	–	–	609	100.00	3,170	21.60		395	64.86	100	
	27	Total	59,250	16,392	63.60	69,675	1.31	204,675	30.39		9,572	13.74	187	46
	28		\$ 421,371	\$ 130,008	51.25 %	\$ 432,964	0.51 %	1,774,450	22.71 %		\$ 42,291	9.77 %	\$ 419	\$ 93

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential mortgages and home equity lines of credit (HELOCs). Insured classification reflects when insurance on the exposure is used for CRM for reduction of RWA.

⁸ Includes government insured exposures (CMHC) and exposures insured by corporate entities. For post-CRM, government insured exposures are included in Sovereign.

⁹ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Residential Secured (Continued)

(\$ millions, except as noted)
As at

LINE #	2023 Q1													
	PD scale ¹		Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15	% \$	44,119 \$	15,838	53.34 %	\$ 11,850	0.06 %	305,451	8.76 %		\$ 180	1.52 %	\$ 1 \$	
2	0.15 to <0.25		7,253	344	50.01	2,830	0.19	34,505	9.49		111	3.92		1
3	0.25 to <0.50		5,960	138	48.00	2,256	0.32	35,410	9.49		128	5.67		1
4	0.50 to <0.75		4,015	466	53.18	1,487	0.52	15,711	9.49		119	8.00		1
5	0.75 to <2.50		4,763	47	46.98	1,703	1.27	16,757	9.48		245	14.39		2
6	2.50 to <10.00		1,247	20	44.51	378	5.53	6,796	8.90		120	31.75		2
7	10.00 to <100.00		282	2	81.41	67	22.94	1,753	8.42		32	47.76		1
8	100.00 (Default)		114	—	—	23	100.00	665	8.49		26	113.04		—
9	Total		67,753	16,855	53.20	20,594	0.53	417,048	9.05		961	4.67		9
10	0.00 to <0.15		195,563	85,636	48.82	237,370	0.06	849,890	20.62		7,867	3.31		29
11	0.15 to <0.25		40,705	4,311	45.80	42,679	0.19	125,012	25.44		4,488	10.52		21
12	0.25 to <0.50		24,586	3,489	47.99	26,260	0.32	100,930	26.05		4,064	15.48		22
13	0.50 to <0.75		12,675	—	—	12,675	0.51	25,742	26.55		2,827	22.30		17
14	0.75 to <2.50		13,514	882	49.69	13,952	1.25	34,858	25.47		5,294	37.94		43
15	2.50 to <10.00		2,429	70	42.80	2,459	5.34	9,874	20.23		1,709	69.50		25
16	10.00 to <100.00		501	8	59.43	506	30.37	2,265	13.91		381	75.30		20
17	100.00 (Default)		165	—	—	165	100.00	759	19.23		309	187.27		8
18	Total		290,138	94,396	48.65	336,066	0.29	1,149,330	22.07		26,939	8.02		185
19	0.00 to <0.15		35,315	14,367	65.99	44,796	0.06	117,931	29.70		2,147	4.79		8
20	0.15 to <0.25		6,872	547	38.61	7,083	0.19	25,765	28.17		820	11.58		4
21	0.25 to <0.50		4,446	398	37.98	4,597	0.31	24,448	27.71		756	16.45		4
22	0.50 to <0.75		3,822	224	37.11	3,905	0.53	8,671	33.26		1,111	28.45		7
23	0.75 to <2.50		4,354	220	31.15	4,422	1.31	14,633	31.07		2,124	48.03		18
24	2.50 to <10.00		683	67	13.03	692	4.91	5,064	31.19		739	106.79		11
25	10.00 to <100.00		511	12	10.66	513	18.54	1,856	23.88		657	128.07		23
26	100.00 (Default)		615	—	—	615	100.00	3,321	21.44		416	67.64		100
27	Total		56,618	15,835	63.18	66,623	1.32	201,689	29.59		8,770	13.16		175
28		\$	414,509 \$	127,086	51.07 %	\$ 423,283	0.47 %	1,768,067	22.55 %		\$ 36,670	8.66 %	\$ 369 \$	99

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential mortgages and HELOCs. Insured classification reflects when insurance on the exposure is used for CRM for reduction of RWA.

⁸ Includes government insured exposures (CMHC) and exposures insured by corporate entities. For post-CRM, government insured exposures are included in Sovereign.

⁹ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Residential Secured (Continued)

(\$ millions, except as noted)
As at

LINE #	2022 Q4													
	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions	
1	0.00 to <0.15 %	\$ 46,748	\$ 17,373	52.46 %	\$ 11,838	0.06 %	322,046	8.82 %		\$ 183	1.55 %	\$ 1		
2	0.15 to <0.25	7,559	338	49.64	2,793	0.19	37,935	9.50		109	3.90	1		
3	0.25 to <0.50	6,054	146	49.14	2,346	0.32	33,955	9.56		134	5.71	1		
4	0.50 to <0.75	4,127	446	52.96	1,641	0.50	15,748	9.61		130	7.92	1		
5	0.75 to <2.50	4,642	46	48.30	1,627	1.22	16,265	9.55		229	14.07	2		
6	2.50 to <10.00	1,083	15	41.31	311	5.56	6,218	8.95		100	32.15	2		
7	10.00 to <100.00	273	1	46.31	55	22.78	1,695	8.11		25	45.45	1		
8	100.00 (Default)	109	—	—	20	100.00	645	8.71		23	115.00	—		
9	Total	70,595	18,365	52.37	20,631	0.48	434,507	9.12		933	4.52	9	5	
10	0.00 to <0.15	198,430	80,709	48.96	237,943	0.06	849,891	21.65		8,373	3.52	30		
11	0.15 to <0.25	39,724	4,634	46.93	41,899	0.19	125,178	26.11		4,519	10.79	21		
12	0.25 to <0.50	23,156	3,846	49.97	25,078	0.32	94,067	29.33		4,363	17.40	23		
13	0.50 to <0.75	12,237	—	—	12,237	0.51	24,617	29.49		3,034	24.79	18		
14	0.75 to <2.50	11,898	767	51.09	12,289	1.22	30,863	27.03		4,850	39.47	38		
15	2.50 to <10.00	1,950	55	42.12	1,973	5.35	8,364	20.73		1,403	71.11	21		
16	10.00 to <100.00	439	4	45.53	441	30.56	2,005	13.61		324	73.47	18		
17	100.00 (Default)	144	—	—	144	100.00	688	18.46		251	174.31	8		
18	Total	287,978	90,015	48.91	332,004	0.27	1,135,673	23.26		27,117	8.17	177	43	
19	0.00 to <0.15	33,473	14,273	66.02	42,897	0.06	113,376	29.34		2,016	4.70	7		
20	0.15 to <0.25	7,153	570	39.95	7,381	0.19	26,481	27.78		845	11.45	4		
21	0.25 to <0.50	4,647	436	39.39	4,819	0.32	23,765	27.71		793	16.46	4		
22	0.50 to <0.75	4,219	235	38.68	4,310	0.52	9,066	33.17		1,220	28.31	7		
23	0.75 to <2.50	4,392	234	33.71	4,471	1.30	14,600	30.31		2,093	46.81	18		
24	2.50 to <10.00	626	63	11.76	633	4.96	4,830	31.56		685	108.21	10		
25	10.00 to <100.00	495	11	9.65	496	18.75	1,708	23.52		612	123.39	23		
26	100.00 (Default)	676	—	—	676	100.00	3,446	22.27		454	67.16	117		
27	Total	55,681	15,822	63.21	65,683	1.42	197,272	29.27		8,718	13.27	190	58	
28	\$	414,254	\$	124,202	51.24 %	\$	418,318	0.46 %	\$	36,768	8.79 %	\$	376 \$	

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

⁷ Includes residential mortgages and HELOCs. Insured classification reflects when insurance on the exposure is used for CRM for reduction of RWA.

⁸ Includes government insured exposures (CMHC) and exposures insured by corporate entities. For post-CRM, government insured exposures are included in Sovereign.

⁹ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Qualifying Revolving Retail (QRR)

(\$ millions, except as noted)
As at

LINE
#

2023
Q4

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15 %	\$ 5,015	\$ 152,774	60.25 %	\$ 97,065	0.07 %	17,952,617	87.11 %		\$ 3,606	3.72 %	\$ 57	
2	0.15 to <0.25	2,128	15,451	60.90	11,538	0.19	2,201,776	88.33		1,059	9.18	20	
3	0.25 to <0.50	2,688	12,398	60.62	10,204	0.32	2,691,310	89.26		1,422	13.94	29	
4	0.50 to <0.75	3,449	10,668	58.73	9,714	0.53	1,590,167	89.71		2,036	20.96	46	
5	0.75 to <2.50	14,181	19,716	61.29	26,266	1.50	4,414,453	91.23		12,244	46.62	360	
6	2.50 to <10.00	9,371	3,740	65.39	11,817	5.42	3,400,817	91.15		13,490	114.16	583	
7	10.00 to <100.00	2,272	317	64.19	2,475	30.38	1,486,300	90.00		5,671	229.13	681	
8	100.00 (Default)	104	–	–	104	100.00	24,633	85.47		59	56.73	84	
9	Total	\$ 39,208	\$ 215,064	60.44 %	\$ 169,183	1.22 %	33,762,073	88.43 %		\$ 39,587	23.40 %	\$ 1,860	\$ 314

2023
Q3

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
10	0.00 to <0.15 %	\$ 5,076	\$ 157,787	60.24 %	\$ 100,123	0.07 %	17,955,146	87.23 %		\$ 3,692	3.69 %	\$ 58	
11	0.15 to <0.25	2,093	14,947	61.36	11,264	0.19	2,181,536	88.32		1,033	9.17	19	
12	0.25 to <0.50	2,657	11,853	61.27	9,919	0.32	2,665,609	89.23		1,382	13.93	28	
13	0.50 to <0.75	3,357	10,062	59.13	9,307	0.53	1,566,093	89.67		1,946	20.91	44	
14	0.75 to <2.50	13,737	18,764	61.65	25,304	1.50	4,354,139	91.22		11,811	46.68	347	
15	2.50 to <10.00	8,975	3,412	65.43	11,207	5.42	3,345,445	91.12		12,789	114.12	552	
16	10.00 to <100.00	2,103	263	65.86	2,276	29.72	1,422,708	89.99		5,211	228.95	613	
17	100.00 (Default)	97	–	–	97	100.00	22,892	85.20		55	56.70	79	
18	Total	\$ 38,095	\$ 217,088	60.53 %	\$ 169,497	1.14 %	33,513,568	88.44 %		\$ 37,919	22.37 %	\$ 1,740	\$ 276

2023
Q2

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
19	0.00 to <0.15 %	\$ 4,451	\$ 155,597	60.13 %	\$ 98,013	0.07 %	17,637,459	87.27 %		\$ 3,621	3.69 %	\$ 57	
20	0.15 to <0.25	2,001	15,381	61.61	11,478	0.19	2,187,134	88.21		1,052	9.17	20	
21	0.25 to <0.50	2,539	12,242	61.37	10,052	0.32	2,685,831	89.13		1,399	13.92	29	
22	0.50 to <0.75	3,238	10,516	59.23	9,467	0.53	1,592,841	89.60		1,978	20.89	45	
23	0.75 to <2.50	13,240	19,284	61.59	25,118	1.49	4,368,156	91.08		11,663	46.43	342	
24	2.50 to <10.00	8,881	3,684	65.54	11,295	5.42	3,395,405	91.01		12,885	114.08	557	
25	10.00 to <100.00	2,083	306	68.19	2,291	29.31	1,455,623	89.87		5,242	228.81	607	
26	100.00 (Default)	90	–	–	90	100.00	20,019	85.46		52	57.78	72	
27	Total	\$ 36,523	\$ 217,010	60.50 %	\$ 167,804	1.14 %	33,342,468	88.44 %		\$ 37,892	22.58 %	\$ 1,729	\$ 282

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA to post-CRM EAD.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Qualifying Revolving Retail (QRR) (Continued)

(\$ millions, except as noted)
As at

LINE
#

2023
Q1

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15 %	\$ 5,116	\$ 151,389	60.17 %	\$ 96,212	0.05 %	17,529,036	87.07 %		\$ 2,718	2.83 %	\$ 38	
2	0.15 to <0.25	2,107	15,067	60.70	11,253	0.19	2,198,508	88.19		1,093	9.71	19	
3	0.25 to <0.50	2,635	11,977	60.42	9,872	0.32	2,677,569	89.12		1,454	14.73	28	
4	0.50 to <0.75	3,320	10,323	58.44	9,353	0.53	1,537,546	89.52		2,067	22.10	44	
5	0.75 to <2.50	13,389	19,026	60.98	24,989	1.49	4,709,776	91.03		12,279	49.14	340	
6	2.50 to <10.00	8,732	3,626	63.00	11,016	5.40	3,217,547	90.99		13,288	120.62	541	
7	10.00 to <100.00	1,945	287	62.66	2,125	29.31	1,257,374	89.75		5,144	242.07	563	
8	100.00 (Default)	90	—	—	90	100.00	22,027	85.43		52	57.78	73	
9	Total	\$ 37,334	\$ 211,695	60.26 %	\$ 164,910	1.11 %	33,149,383	88.30 %		\$ 38,095	23.10 %	\$ 1,646	\$ 273

2022
Q4

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
10	0.00 to <0.15 %	\$ 6,602	\$ 150,586	60.05 %	\$ 97,030	0.05 %	18,104,945	87.25 %		\$ 2,741	2.82 %	\$ 39	
11	0.15 to <0.25	2,397	15,252	60.30	11,594	0.19	2,229,300	88.88		1,134	9.78	20	
12	0.25 to <0.50	2,914	11,939	59.86	10,061	0.32	2,670,297	89.78		1,493	14.84	29	
13	0.50 to <0.75	3,613	10,213	57.88	9,524	0.53	1,568,139	90.13		2,117	22.23	45	
14	0.75 to <2.50	14,231	18,589	59.88	25,362	1.48	4,534,137	91.78		12,521	49.37	346	
15	2.50 to <10.00	8,988	3,403	60.77	11,056	5.39	3,101,684	91.52		13,396	121.16	545	
16	10.00 to <100.00	1,849	256	59.45	2,002	28.45	1,175,237	90.57		4,865	243.01	521	
17	100.00 (Default)	93	—	—	93	100.00	19,492	84.92		53	56.99	75	
18	Total	\$ 40,687	\$ 210,238	59.95 %	\$ 166,722	1.07 %	33,403,231	88.69 %		\$ 38,320	22.98 %	\$ 1,620	\$ 226

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA to post-CRM EAD.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Other Retail

(\$ millions, except as noted)
As at

LINE
#

2023
Q4

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15 %	10,175 \$	5,241	70.17 %	13,853	0.08 %	628,536	42.72 %		1,257	9.07 %	5	
2	0.15 to <0.25	7,586	3,542	44.00	9,145	0.20	350,925	42.76		1,564	17.10	8	
3	0.25 to <0.50	16,090	1,105	67.92	16,840	0.32	478,718	34.82		3,415	20.28	19	
4	0.50 to <0.75	9,039	1,070	67.77	9,753	0.53	272,887	43.07		3,126	32.05	22	
5	0.75 to <2.50	29,523	1,775	63.78	30,216	1.53	837,865	49.41		17,262	57.13	232	
6	2.50 to <10.00	14,732	502	60.14	14,914	5.45	522,252	55.44		12,356	82.85	451	
7	10.00 to <100.00	3,363	61	53.60	3,380	26.22	142,482	52.75		3,894	115.21	464	
8	100.00 (Default)	562	4	100.00	511	100.00	17,867	47.79		460	90.02	208	
9	Total	91,070 \$	13,300	61.52 %	98,612	2.85 %	3,251,532	45.75 %		43,334	43.94 %	1,409 \$	184

2023
Q3

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
10	0.00 to <0.15 %	10,261 \$	5,192	70.28 %	13,910	0.08 %	640,642	42.84 %		1,258	9.04 %	5	
11	0.15 to <0.25	7,242	3,303	44.09	8,698	0.20	348,734	42.76		1,487	17.10	7	
12	0.25 to <0.50	15,408	1,150	65.14	16,157	0.32	479,208	35.10		3,292	20.38	18	
13	0.50 to <0.75	8,644	1,040	67.73	9,340	0.53	274,183	42.94		2,985	31.96	21	
14	0.75 to <2.50	28,338	1,732	61.86	28,949	1.52	757,187	49.16		16,437	56.78	220	
15	2.50 to <10.00	13,412	486	59.44	13,561	5.45	561,718	55.22		11,193	82.54	409	
16	10.00 to <100.00	3,013	63	50.53	3,029	25.86	133,561	52.83		3,489	115.19	411	
17	100.00 (Default)	497	4	100.00	453	100.00	16,161	47.90		422	93.16	183	
18	Total	86,815 \$	12,970	61.33 %	94,097	2.71 %	3,211,394	45.59 %		40,563	43.11 %	1,274 \$	165

2023
Q2

	PD scale ¹	Original on-balance sheet gross exposure ²	Off-balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
19	0.00 to <0.15 %	10,369 \$	5,123	70.45 %	13,978	0.08 %	644,312	42.75 %		1,259	9.01 %	5	
20	0.15 to <0.25	7,223	3,302	44.11	8,680	0.20	350,250	42.20		1,464	16.87	7	
21	0.25 to <0.50	15,078	1,176	65.14	15,844	0.32	478,718	35.25		3,251	20.52	18	
22	0.50 to <0.75	8,522	1,047	67.03	9,214	0.53	272,954	43.02		2,952	32.04	21	
23	0.75 to <2.50	27,750	1,742	62.36	28,366	1.52	757,438	49.06		16,065	56.63	215	
24	2.50 to <10.00	12,943	487	58.55	13,057	5.45	538,405	54.94		10,722	82.12	391	
25	10.00 to <100.00	2,892	55	54.23	2,907	25.83	133,187	52.72		3,350	115.24	396	
26	100.00 (Default)	470	4	100.00	434	100.00	15,621	47.82		398	91.71	176	
27	Total	85,247 \$	12,936	61.37 %	92,480	2.66 %	3,190,885	45.44 %		39,461	42.67 %	1,229 \$	159

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

IRB – Credit Risk Exposures by Portfolio and PD Range (CR6) – Other Retail (Continued)

(\$ millions, except as noted)
As at

LINE
#

2023
Q1

	PD scale ¹	Original on-balance sheet gross exposure ²	Off- balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
1	0.00 to <0.15 %	11,291 \$	5,229	70.81 %	14,994	0.08 %	665,015	37.88 %		1,231	8.21 %	5	
2	0.15 to <0.25	7,551	3,277	43.58	8,979	0.20	359,265	39.84		1,515	16.87	7	
3	0.25 to <0.50	15,158	1,128	64.88	15,890	0.32	500,800	34.73		3,250	20.45	18	
4	0.50 to <0.75	8,573	1,017	67.30	9,250	0.53	258,997	44.87		3,272	35.37	22	
5	0.75 to <2.50	26,454	1,671	62.79	27,005	1.50	788,455	51.39		16,900	62.58	211	
6	2.50 to <10.00	11,397	453	56.46	11,454	5.40	459,908	57.05		10,341	90.28	353	
7	10.00 to <100.00	2,572	52	50.93	2,589	26.43	118,301	54.95		3,315	128.04	376	
8	100.00 (Default)	441	4	100.00	418	100.00	13,851	47.70		436	104.31	167	
9	Total	83,437 \$	12,831	61.43 %	90,579	2.49 %	3,164,592	45.22 %		40,260	44.45 %	1,159 \$	126

2022
Q4

	PD scale ¹	Original on-balance sheet gross exposure ²	Off- balance sheet exposures pre-CCF ²	Average CCF (%)	EAD post CRM and post-CCF ³	Average PD (%)	Number of obligors ⁴	Average LGD (%)	Average maturity (years) ⁵	RWA	RWA density ⁶	EL	Provisions
10	0.00 to <0.15 %	12,540 \$	5,259	70.94 %	16,272	0.08 %	684,101	36.67 %		1,293	7.95 %	5	
11	0.15 to <0.25	8,176	3,272	42.99	9,582	0.20	368,404	38.85		1,575	16.44	7	
12	0.25 to <0.50	16,187	1,111	64.84	16,907	0.32	509,113	33.92		3,381	20.00	19	
13	0.50 to <0.75	8,927	979	67.17	9,577	0.53	264,075	43.64		3,295	34.41	22	
14	0.75 to <2.50	26,792	1,599	62.28	27,277	1.48	818,938	50.21		16,642	61.01	207	
15	2.50 to <10.00	9,943	427	54.94	9,968	5.34	416,007	56.16		8,845	88.73	298	
16	10.00 to <100.00	2,178	51	53.46	2,196	26.44	108,180	53.93		2,757	125.55	313	
17	100.00 (Default)	403	5	100.00	396	100.00	15,050	46.86		412	104.04	155	
18	Total	85,146 \$	12,703	61.23 %	92,175	2.23 %	3,183,868	43.69 %		38,200	41.44 %	1,026 \$	115

¹ Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

² Exposures based on obligors prior to CRM.

³ Exposures after CRM reflecting guarantor.

⁴ Number of retail accounts.

⁵ Average maturity is not used in the calculation of retail exposure RWA.

⁶ Total RWA as a percentage of post-CRM EAD.

Analysis of Counterparty Credit Risk (CCR) Exposure by Approach (CCR1)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q4					
	Replacement cost	Potential future exposure	Effective expected positive exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM ²	RWA
1	\$ 19,550	\$ 30,445	\$	1.4	\$ 69,992	\$ 10,769
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	—	—	—	—	—	—
5	—	—	—	—	421,466	5,030
6	—	—	—	—	—	—
7	—	—	—	—	\$ 491,458	\$ 15,799
2023 Q3						
	Replacement cost	Potential future exposure	Effective expected positive exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM ²	RWA
8	\$ 15,886	\$ 28,654	\$	1.4	\$ 62,523	\$ 9,654
9	—	—	—	—	—	—
10	—	—	—	—	—	—
11	—	—	—	—	—	—
12	—	—	—	—	403,620	4,802
13	—	—	—	—	—	—
14	—	—	—	—	\$ 466,143	\$ 14,456
2023 Q2						
	Replacement cost	Potential future exposure	Effective expected positive exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM ²	RWA
15	\$ 17,599	\$ 28,781	\$	1.4	\$ 64,933	\$ 9,930
16	—	—	—	—	—	—
17	—	—	—	—	—	—
18	—	—	—	—	—	—
19	—	—	—	—	386,454	4,811
20	—	—	—	—	—	—
21	—	—	—	—	\$ 451,387	\$ 14,741
2023 Q1						
	Replacement cost	Potential future exposure	Effective expected positive exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM ²	RWA
22	\$ 17,539	\$ 30,198	\$	1.4	\$ 66,831	\$ 8,328
23	—	—	—	—	—	—
24	—	—	—	—	—	—
25	—	—	—	—	—	—
26	—	—	—	—	368,928	2,317
27	—	—	—	—	—	—
28	—	—	—	—	\$ 435,759	\$ 10,645

SA-CCR (for derivatives)
Current exposure method (for derivatives)
Internal model method (for derivatives and SFTs)
Simple approach for credit risk mitigation (for SFTs)
Comprehensive approach for credit risk mitigation (for SFTs)
VaR for SFTs
Total

SA-CCR (for derivatives)
Current exposure method (for derivatives)
Internal model method (for derivatives and SFTs)
Simple approach for credit risk mitigation (for SFTs)
Comprehensive approach for credit risk mitigation (for SFTs)
VaR for SFTs
Total

SA-CCR (for derivatives)
Current exposure method (for derivatives)
Internal model method (for derivatives and SFTs)
Simple approach for credit risk mitigation (for SFTs)
Comprehensive approach for credit risk mitigation (for SFTs)
VaR for SFTs
Total

SA-CCR (for derivatives)
Current exposure method (for derivatives)
Internal model method (for derivatives and SFTs)
Simple approach for credit risk mitigation (for SFTs)
Comprehensive approach for credit risk mitigation (for SFTs)
VaR for SFTs
Total

¹ Excludes exposures and RWA for QCCPs and CVA.

² Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

Analysis of Counterparty Credit Risk (CCR) Exposure by Approach (CCR1) (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2022 Q4					
	Replacement cost	Potential future exposure	Effective expected positive exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM ²	RWA
1 SA-CCR (for derivatives)	\$ 22,550	\$ 27,964		1.4	\$ 70,720	\$ 8,685
2 Current exposure method (for derivatives)	—	—		—	—	—
3 Internal model method (for derivatives and SFTs)			—	—	—	—
4 Simple approach for credit risk mitigation (for SFTs)					—	—
5 Comprehensive approach for credit risk mitigation (for SFTs)					360,838	2,538
6 VaR for SFTs					—	—
7 Total					\$ 431,558	\$ 11,223

¹ Excludes exposures and RWA for QCCPs and CVA.

² Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

Credit Valuation Adjustment (CVA) Capital Charge (CCR2)

(\$ millions)

As at

LINE #	2023 Q4	2023 Q3	2023 Q2	2023 Q1
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Total portfolios subject to the Advanced CVA capital charge

i) VaR component (including the 3x multiplier)

ii) Stressed VaR component (including the 3x multiplier)

All portfolios subject to the standardized CVA capital charge

Total subject to the CVA capital charge

	EAD post-CRM	RWA	EAD post-CRM	RWA	EAD post-CRM	RWA	EAD post-CRM	RWA
1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2								
3	46,434	8,381	41,399	6,754	42,938	6,659	44,216	6,792
4	\$ 46,434	\$ 8,381	\$ 41,399	\$ 6,754	\$ 42,938	\$ 6,659	\$ 44,216	\$ 6,792

2022 Q4

Total portfolios subject to the Advanced CVA capital charge

i) VaR component (including the 3x multiplier)

ii) Stressed VaR component (including the 3x multiplier)

All portfolios subject to the standardized CVA capital charge

Total subject to the CVA capital charge

	EAD post-CRM	RWA
5	\$ -	\$ -
6		
7	46,883	6,710
8	\$ 46,883	\$ 6,710

(\$ millions)
As at

Asset classes

Sovereigns and their central banks

Public sector entities

Multilateral development banks

Banks

Of which: securities firms and other financial institutions as Bank

Corporates

Of which: securities firms and other financial institutions as Corporate

Of which: specialised lending

Regulatory retail portfolios

Real estate

Of which: land acquisition, development and construction

Other assets¹

Total

	2023
	Q3

													Risk-weight	Total credit exposures amount (post-CCF and post-CRM)
	0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Other	
\$ - \$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	517	559	-	17	-	-	-	12	-	-	-	1,105
-	-	-	336	42	-	17	-	-	-	12	-	-	-	407
-	-	-	102	-	-	82	36	-	-	535	-	-	-	755
-	-	-	102	-	-	82	36	-	-	432	-	-	-	652
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ - \$	-	\$ -	619	\$ 559	\$ -	99	\$ 36	\$ -	\$ -	547	\$ -	\$ -	\$ -	1,860

¹ Excludes exposures subject to direct capital deductions and threshold deductions.

Standardized Approach – CCR Exposures by Regulatory Portfolio and Risk Weights (CCR3) (Continued)

(\$ millions)
As at

LINE #	2023 Q2													
	Risk-weight													Total credit exposures amount (post-CCF and post-CRM)
	0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Other	
1	\$	–	\$	–	\$	–	\$	–	\$	–	\$	–	\$	–
2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	–	–	403	490	–	–	–	–	–	76	–	–	–	969
5	–	–	224	71	–	–	–	–	–	76	–	–	–	371
6	–	–	42	–	–	142	98	–	–	630	–	–	–	912
7	–	–	42	–	–	142	98	–	–	501	–	–	–	783
8	–	–	–	–	–	–	–	–	–	–	–	–	–	–
9	–	–	–	–	–	–	–	–	–	–	–	–	–	–
10	–	–	–	–	–	–	–	–	–	–	–	–	–	–
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–
13	\$	–	\$	–	\$	–	\$	–	\$	–	\$	–	\$	–
			445	490		142	98			706				1,881

¹ Excludes exposures subject to direct capital deductions and threshold deductions.

CCR Exposures by Portfolio and PD Scale (CCR4) – Corporate¹

(\$ millions, except as noted)
As at

LINE #	2023									
	Q4									
	CCR4: IRB – CCR exposures by portfolio and PD scale (AIRB)									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
1	0.00 to <0.15 % \$	480	0.10 %	563	29.48 %	1.9 \$	89	18.54 %		
2	0.15 to <0.25	59	0.21	571	25.87	2.8	17	28.81		
3	0.25 to <0.50	126	0.34	797	39.27	2.9	63	50.00		
4	0.50 to <0.75	200	0.64	277	14.64	1.3	49	24.50		
5	0.75 to <2.50	1,063	2.17	477	12.78	0.6	306	28.79		
6	2.50 to <10.00	3,870	4.72	111	1.18	0.5	129	3.33		
7	10.00 to <100.00	35	27.57	104	26.95	1.3	49	140.00		
8	100.00 (Default)	–	100.00	1	89.38	5.0	3	–		
9	Total	\$ 5,833	3.74 %	2,901	7.32 %	0.7 \$	705	12.09 %		
	CCR4: IRB – CCR exposures by portfolio and PD scale (FIRB)									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
10	0.00 to <0.15 % \$	200,996	0.07 %	3,814	9.54 %	0.4 \$	6,209	3.09 %		
11	0.15 to <0.25	14,235	0.20	100	5.53	0.2	523	3.67		
12	0.25 to <0.50	18,869	0.32	159	2.99	0.1	586	3.11		
13	0.50 to <0.75	1,116	0.69	35	9.21	0.6	150	13.44		
14	0.75 to <2.50	3,715	2.08	159	9.49	0.3	740	19.92		
15	2.50 to <10.00	16	9.82	2	40.00	2.1	27	168.75		
16	10.00 to <100.00	–	–	–	–	–	–	–		
17	100.00 (Default)	–	–	–	–	–	–	–		
18	Total	\$ 238,947	0.13 %	4,269	8.79 %	0.4 \$	8,235	3.45 %		
	2023									
	Q3									
	CCR4: IRB – CCR exposures by portfolio and PD scale (AIRB)									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
19	0.00 to <0.15 % \$	394	0.10 %	567	24.88 %	2.1 \$	69	17.51 %		
20	0.15 to <0.25	95	0.21	588	29.78	3.8	37	38.95		
21	0.25 to <0.50	143	0.34	791	36.79	3.5	73	51.05		
22	0.50 to <0.75	244	0.63	284	13.09	1.2	54	22.13		
23	0.75 to <2.50	633	2.15	467	14.92	0.8	220	34.76		
24	2.50 to <10.00	5,716	4.72	107	0.83	0.5	135	2.36		
25	10.00 to <100.00	22	28.98	92	16.09	1.3	18	81.82		
26	100.00 (Default)	1	100.00	3	91.23	3.2	8	800.00		
27	Total	\$ 7,248	4.04 %	2,899	4.92 %	0.7 \$	614	8.47 %		
	CCR4: IRB – CCR exposures by portfolio and PD scale (FIRB)									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
28	0.00 to <0.15 % \$	182,551	0.07 %	3,685	9.74 %	0.4 \$	5,545	3.04 %		
29	0.15 to <0.25	11,472	0.20	111	6.92	0.3	524	4.57		
30	0.25 to <0.50	16,785	0.32	164	3.24	0.2	592	3.53		
31	0.50 to <0.75	2,471	0.69	36	4.01	0.5	150	6.07		
32	0.75 to <2.50	2,521	2.17	153	12.15	0.3	631	25.03		
33	2.50 to <10.00	7	9.82	2	40.00	1.3	12	171.43		
34	10.00 to <100.00	–	–	–	–	–	–	–		
35	100.00 (Default)	–	–	–	–	–	–	–		
36	Total	\$ 215,807	0.13 %	4,151	9.05 %	0.4 \$	7,454	3.45 %		

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Corporate (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q2									
CCR4: IRB – CCR exposures by portfolio and PD scale (AIRB)										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)		RWA	RWA density ⁴	
1	0.00 to <0.15 % \$	610	0.10 %	603	23.70 %	2.2 \$		102	16.72 %	
2	0.15 to <0.25	132	0.21	601	33.87	4.0		60	45.45	
3	0.25 to <0.50	242	0.34	765	39.54	3.5		130	53.72	
4	0.50 to <0.75	221	0.64	283	22.79	1.7		90	40.72	
5	0.75 to <2.50	788	2.15	471	15.35	0.8		283	35.91	
6	2.50 to <10.00	267	4.80	107	5.15	0.5		41	15.36	
7	10.00 to <100.00	46	24.97	104	26.72	1.5		63	136.96	
8	100.00 (Default)	1	100.00	5	81.43	4.9		7	700.00	
9	Total	\$ 2,307	1.95 %	2,939	20.94 %	1.7 \$		776	33.64 %	
CCR4: IRB – CCR exposures by portfolio and PD scale (FIRB)										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)		RWA	RWA density ⁴	
10	0.00 to <0.15 % \$	181,788	0.07 %	3,597	9.76 %	0.4 \$		5,639	3.10 %	
11	0.15 to <0.25	15,548	0.20	112	5.27	0.2		573	3.69	
12	0.25 to <0.50	11,462	0.33	146	3.43	0.2		436	3.80	
13	0.50 to <0.75	1,304	0.69	31	6.04	0.3		108	8.28	
14	0.75 to <2.50	2,094	2.08	146	16.00	0.5		693	33.09	
15	2.50 to <10.00	53	9.82	3	54.60	2.0		116	218.87	
16	10.00 to <100.00	–	19.03	1	40.00	1.0		–	–	
17	100.00 (Default)	–	–	–	–	–		–	–	
18	Total	\$ 212,249	0.12 %	4,036	9.14 %	0.4 \$		7,565	3.56 %	

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Corporate (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023									
	Q1									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
1	0.00 to <0.15 % \$	244,066	0.05 %	4,162	4.54 %	0.4 \$	3,958	1.62 %		
2	0.15 to <0.25	16,573	0.20	719	6.00	0.2	714	4.31		
3	0.25 to <0.50	7,618	0.38	885	6.26	0.4	540	7.09		
4	0.50 to <0.75	650	0.68	335	19.99	0.7	197	30.31		
5	0.75 to <2.50	2,316	2.06	639	15.88	0.6	834	36.01		
6	2.50 to <10.00	312	5.83	118	15.47	0.5	193	61.86		
7	10.00 to <100.00	70	27.91	124	14.91	1.0	57	81.43		
8	100.00 (Default)	1	100.00	6	72.11	4.5	7	700.00		
9	Total	\$ 271,606	0.10 %	6,988	4.82 %	0.4 \$	6,500	2.39 %		
2022										
Q4										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
10	0.00 to <0.15 % \$	241,736	0.05 %	4,042	5.06 %	0.4 \$	4,352	1.80 %		
11	0.15 to <0.25	17,239	0.20	741	6.77	0.2	775	4.50		
12	0.25 to <0.50	8,171	0.37	854	5.89	0.4	516	6.32		
13	0.50 to <0.75	814	0.67	352	17.55	0.7	212	26.04		
14	0.75 to <2.50	3,069	1.95	695	17.81	0.6	1,168	38.06		
15	2.50 to <10.00	363	5.32	136	12.94	0.2	173	47.66		
16	10.00 to <100.00	90	27.94	123	14.95	0.7	71	78.89		
17	100.00 (Default)	1	100.00	4	78.40	5.0	5	500.00		
18	Total	\$ 271,483	0.11 %	6,947	5.39 %	0.4 \$	7,272	2.68 %		

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Sovereign¹

(\$ millions, except as noted)
As at

LINE #		2023							
		Q4							
		PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴
1		0.00 to <0.15 % \$	99,632	0.04 %	321	1.99 %	0.7 \$	404	0.41 %
2		0.15 to <0.25	3	0.20	23	37.85	3.7	1	33.33
3		0.25 to <0.50	4	0.35	19	31.32	3.8	2	50.00
4		0.50 to <0.75	—	0.69	2	25.37	4.4	—	—
5		0.75 to <2.50	2	2.15	13	20.05	2.0	1	50.00
6		2.50 to <10.00	—	9.82	1	49.37	4.2	—	—
7		10.00 to <100.00	7	19.12	7	34.76	5.0	13	185.71
8		100.00 (Default)	—	—	—	—	—	—	—
9		Total	\$ 99,648	0.04 %	386	2.00 %	0.7 \$	421	0.42 %
		2023							
		Q3							
		PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴
10		0.00 to <0.15 % \$	103,313	0.03 %	322	1.98 %	0.7 \$	481	0.47 %
11		0.15 to <0.25	3	0.20	15	40.10	3.8	1	33.33
12		0.25 to <0.50	5	0.36	19	36.09	3.1	3	60.00
13		0.50 to <0.75	—	0.69	3	32.58	4.8	—	—
14		0.75 to <2.50	1	1.73	14	30.44	4.4	1	100.00
15		2.50 to <10.00	—	9.82	2	55.38	4.6	1	—
16		10.00 to <100.00	9	19.84	8	35.59	5.0	18	200.00
17		100.00 (Default)	—	—	—	—	—	—	—
18		Total	\$ 103,331	0.03 %	383	1.99 %	0.7 \$	505	0.49 %
		2023							
		Q2							
		PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴
19		0.00 to <0.15 % \$	122,180	0.03 %	311	1.75 %	0.7 \$	533	0.44 %
20		0.15 to <0.25	15	0.20	20	45.05	2.6	6	40.00
21		0.25 to <0.50	23	0.31	18	30.17	4.1	11	47.83
22		0.50 to <0.75	1	0.69	4	36.64	4.9	1	100.00
23		0.75 to <2.50	2	1.71	15	30.09	4.2	2	100.00
24		2.50 to <10.00	1	9.82	2	56.16	4.6	2	200.00
25		10.00 to <100.00	12	20.22	8	36.28	5.0	26	216.67
26		100.00 (Default)	—	—	—	—	—	—	—
27		Total	\$ 122,234	0.03 %	378	1.77 %	0.7 \$	581	0.48 %

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Sovereign (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q1									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
1	0.00 to <0.15 %	\$ 69,164	0.02 %	180	4.20 %	1.0	\$ 212	0.31 %		
2	0.15 to <0.25	—	—	—	—	—	—	—		
3	0.25 to <0.50	12	0.29	4	1.73	0.1	—	—		
4	0.50 to <0.75	10	0.69	1	54.60	1.0	8	80.00		
5	0.75 to <2.50	6	2.23	5	13.70	1.0	2	33.33		
6	2.50 to <10.00	2	4.71	1	4.24	—	—	—		
7	10.00 to <100.00	10	20.63	2	62.12	5.0	40	400.00		
8	100.00 (Default)	—	—	—	—	—	—	—		
9	Total	\$ 69,204	0.03 %	193	4.22 %	1.0	\$ 262	0.38 %		
2022 Q4										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
10	0.00 to <0.15 %	\$ 59,671	0.02 %	182	2.12 %	1.2	\$ 185	0.31 %		
11	0.15 to <0.25	—	—	—	—	—	—	—		
12	0.25 to <0.50	—	0.38	3	29.46	0.6	—	—		
13	0.50 to <0.75	6	0.68	1	54.50	1.0	5	83.33		
14	0.75 to <2.50	9	2.14	4	13.60	1.0	3	33.33		
15	2.50 to <10.00	2	4.69	1	4.34	—	—	—		
16	10.00 to <100.00	9	20.05	2	64.48	5.0	35	388.89		
17	100.00 (Default)	—	—	—	—	—	—	—		
18	Total	\$ 59,697	0.03 %	193	2.13 %	1.2	\$ 228	0.38 %		

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Bank¹

(\$ millions, except as noted)
As at

LINE #	2023 Q4									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
1	0.00 to <0.15 %	\$ 142,223	0.05 %	315	11.70 %	0.4	\$ 5,192	3.65 %		
2	0.15 to <0.25	180	0.20	6	1.15	–	1	0.56		
3	0.25 to <0.50	110	0.29	7	2.98	0.2	5	4.55		
4	0.50 to <0.75	1	0.69	1	45.00	1.7	1	100.00		
5	0.75 to <2.50	–	2.23	1	45.00	0.1	–	–		
6	2.50 to <10.00	–	–	–	–	–	–	–		
7	10.00 to <100.00	–	–	–	–	–	–	–		
8	100.00 (Default)	–	–	–	–	–	–	–		
9	Total	\$ 142,514	0.05 %	330	11.68 %	0.4	\$ 5,199	3.65 %		
2023 Q3										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
10	0.00 to <0.15 %	\$ 134,965	0.05 %	314	11.21 %	0.4	\$ 4,956	3.67 %		
11	0.15 to <0.25	342	0.20	9	3.52	–	6	1.75		
12	0.25 to <0.50	110	0.29	6	1.82	0.1	3	2.73		
13	0.50 to <0.75	1	0.69	1	45.00	2.0	1	100.00		
14	0.75 to <2.50	–	2.23	1	45.00	–	–	–		
15	2.50 to <10.00	–	–	–	–	–	–	–		
16	10.00 to <100.00	1	40.76	1	45.00	1.0	2	200.00		
17	100.00 (Default)	–	–	–	–	–	–	–		
18	Total	\$ 135,419	0.06 %	332	11.18 %	0.4	\$ 4,968	3.67 %		
2023 Q2										
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
19	0.00 to <0.15 %	\$ 109,840	0.06 %	307	13.27 %	0.4	\$ 4,714	4.29 %		
20	0.15 to <0.25	80	0.20	5	19.12	0.1	9	11.25		
21	0.25 to <0.50	118	0.29	8	1.59	0.1	3	2.54		
22	0.50 to <0.75	1	0.69	1	45.00	2.2	1	100.00		
23	0.75 to <2.50	–	1.57	2	45.00	0.1	–	–		
24	2.50 to <10.00	–	–	–	–	–	–	–		
25	10.00 to <100.00	2	40.76	1	45.00	0.3	5	250.00		
26	100.00 (Default)	–	–	–	–	–	–	–		
27	Total	\$ 110,041	0.06 %	324	13.26 %	0.4	\$ 4,732	4.30 %		

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

CCR Exposures by Portfolio and PD Scale (CCR4) – Bank (Continued)¹

(\$ millions, except as noted)
As at

LINE #	2023 Q1									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
1	0.00 to <0.15 %	\$ 94,185	0.05 %	337	14.57 %	0.4	\$ 3,852	4.09 %		
2	0.15 to <0.25	184	0.20	17	9.04	0.1	10	5.43		
3	0.25 to <0.50	483	0.29	14	1.27	—	8	1.66		
4	0.50 to <0.75	71	0.69	5	7.86	0.1	7	9.86		
5	0.75 to <2.50	24	2.23	3	12.37	—	6	25.00		
6	2.50 to <10.00	2	4.71	2	4.24	—	—	—		
7	10.00 to <100.00	—	19.03	1	17.40	2.2	—	—		
8	100.00 (Default)	—	—	—	—	—	—	—		
9	Total	\$ 94,949	0.05 %	379	14.49 %	0.4	\$ 3,883	4.09 %		
	2022 Q4									
	PD scale ²	EAD post-CRM	Average PD	Number of obligors ³	Average LGD	Average maturity (years)	RWA	RWA density ⁴		
10	0.00 to <0.15 %	\$ 99,820	0.05 %	342	13.95 %	0.4	\$ 3,697	3.70 %		
11	0.15 to <0.25	103	0.20	16	16.57	0.3	10	9.71		
12	0.25 to <0.50	364	0.29	14	1.81	—	7	1.92		
13	0.50 to <0.75	40	0.68	5	8.22	0.1	4	10.00		
14	0.75 to <2.50	49	2.14	4	4.88	—	5	10.20		
15	2.50 to <10.00	2	4.69	2	4.34	—	—	—		
16	10.00 to <100.00	—	18.15	1	19.75	2.4	—	—		
17	100.00 (Default)	—	—	—	—	—	—	—		
18	Total	\$ 100,378	0.05 %	384	13.90 %	0.4	\$ 3,723	3.71 %		

¹ Collateral for repo-style transactions is reflected in the LGD as opposed to EAD.

² Prescribed PD bands based on Pillar 3 disclosure requirements by BCBS.

³ Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

⁴ Total RWA as a percentage of post-CRM EAD.

Composition of Collateral for CCR Exposure (CCR5)

(\$ millions)
As at

LINE #	2023 Q4						2023 Q3							
	Collateral used in derivative transactions				Collateral used in SFTs		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	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				
1	\$	–	\$	4,242	\$	–	\$	1,668	\$	55,815	\$	73,629		
2		553		11,436		19		7,498		116,911		139,955		
3		973		1,359		2,450		3,034		112,625		84,419		
4		3,798		1,107		1,866		4,153		97,763		89,931		
5		323		30		769		–		20,945		40,204		
6		1,234		1,249		2,536		10		17,310		20,234		
7		653		–		–		–		32,619		67,138		
8		–		6		–		–		–		–		
9	\$	7,534	\$	19,429	\$	7,640	\$	16,363	\$	453,988	\$	515,510		
	2023 Q2						2023 Q1							
	Collateral used in derivative transactions				Collateral used in SFTs		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	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				
10	\$	–	\$	3,748	\$	–	\$	1,129	\$	50,891	\$	75,847		
11		470		9,837		–		7,656		92,844		125,659		
12		532		1,256		2,717		3,083		112,851		80,231		
13		4,217		403		1,356		4,034		94,855		75,156		
14		203		48		744		–		13,483		29,570		
15		826		288		2,337		66		14,361		19,208		
16		561		–		–		–		33,833		66,900		
17		349		–		3		–		–		–		
18	\$	7,158	\$	15,580	\$	7,157	\$	15,968	\$	413,118	\$	472,571		
	2022 Q4													
	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										
19	\$	–	\$	2,271	\$	–	\$	1,904	\$	50,357			\$	65,710
20		65		11,709		41		10,669		76,176				107,206
21		786		2,717		3,701		2,581		107,038				88,568
22		3,360		563		1,123		4,963		89,300				74,060
23		149		33		58		–		14,218				29,012
24		267		485		443		–		10,233				14,498
25		155		–		–		–		30,447				63,300
26		494		–		23		–		10				83
27	\$	5,276	\$	17,778	\$	5,389	\$	20,117	\$	377,779			\$	442,437

Credit Derivatives Exposures (CCR6)

(\$ millions) As at	LINE #	2023 Q4	2023 Q3	2023 Q2	2023 Q1	2022 Q4	
		Protection bought	Protection sold	Protection bought	Protection sold	Protection bought	Protection sold
Notionals							
Single-name credit default swaps	1	\$ 4,877	\$ 1,621	\$ 4,061	\$ 1,421	\$ 3,476	\$ 2,004
Index credit default swaps	2	6,193	914	7,891	1,170	9,011	1,942
Total return swaps	3	279	—	—	—	—	—
Credit options	4	—	—	—	—	—	—
Other credit derivatives	5	526	6,032	501	6,191	317	5,515
Total notionals	6	11,875	8,567	12,453	8,782	12,804	9,461
Fair values							
Positive fair value (asset)	7	15	42	8	57	10	79
Negative fair value (liability)	8	(164)	(6)	(227)	(5)	(208)	(6)

Exposures to Central Counterparties (CCR8)¹

(\$ millions) As at	LINE #	2023 Q4	2023 Q3	2023 Q2	2022 Q1	2022 Q4			
		EAD post-CRM	RWA	EAD post-CRM	RWA	EAD post-CRM	RWA	EAD post-CRM	RWA
Exposures to QCCPs (total)	1	\$ 1,359	\$ 1,385	\$ 1,264	\$ 1,243	\$ 1,218			
Exposures for trades at QCCPs (excluding initial margin and default fund contributions) – of which:	2	32,684	654	33,647	673	30,906	618	31,147	623
(i) OTC derivatives	3	22,165	443	23,107	462	21,036	420	21,683	434
(ii) Exchange-traded derivatives	4	5,046	102	5,083	102	5,242	105	6,159	123
(iii) Securities financing transactions	5	5,473	109	5,457	109	4,628	93	3,305	66
(iv) Netting sets where cross-product netting has been approved	6	–	–	–	–	–	–	–	–
Segregated initial margin	7	58	–	57	–	42	–	41	–
Non-segregated initial margin	8	5,813	–	5,485	–	6,749	–	3,955	–
Pre-funded default fund contributions	9	1,203	705	1,300	712	1,473	646	1,063	620
Unfunded default fund contributions	10	–	–	–	–	–	–	–	–

¹ The Bank does not have any exposure to non-qualifying central counterparties.

Derivatives – Notional

\$ millions) As at		LINE #	2023 Q4						2023 Q3						
			Trading						Trading						
			Over-the-counter ¹						Over-the-counter ¹						
			Clearing house ²	Non-clearing house	Exchange-traded	Total	Non-trading	Total	Clearing house ²	Non-clearing house	Exchange-traded	Total	Non-trading	Total	
Interest Rate Contracts															
Futures	1	\$	—	\$	—	\$	1,377,932	\$	1,377,932	\$	—	\$	—	\$	1,091,149
Forward rate agreements	2		608,369	19,585	—	627,954	462	628,416		472,131	9,740	—	481,871	481	482,352
Swaps	3		14,410,944	368,038	—	14,778,982	2,195,575	16,974,557		14,039,342	380,559	—	14,419,901	2,170,904	16,590,805
Options written	4		—	97,396	14,280	111,676	58	111,734		—	87,195	38,989	126,184	89	126,273
Options purchased	5		—	118,737	17,650	136,387	4,050	140,437		—	103,617	44,090	147,707	4,914	152,621
	6		15,019,313	603,756	1,409,862	17,032,931	2,200,145	19,233,076		14,511,473	581,111	1,174,228	16,266,812	2,176,388	18,443,200
Foreign Exchange Contracts															
Futures	7		—	—	—	—	—	—		—	—	—	—	—	—
Forward contracts	8		22	207,914	—	207,936	23,665	231,601		3	200,287	—	200,290	22,624	222,914
Swaps	9		570	2,016,703	—	2,017,273	4,059	2,021,332		370	1,702,533	—	1,702,903	3,615	1,706,518
Cross-currency interest rate swaps	10		—	1,315,669	—	1,315,669	133,190	1,448,859		—	1,187,961	—	1,187,961	112,283	1,300,244
Options written	11		—	51,176	40	51,216	—	51,216		—	43,642	28	43,670	—	43,670
Options purchased	12		—	36,958	1	36,959	—	36,959		—	30,315	2	30,317	—	30,317
	13		592	3,628,420	41	3,629,053	160,914	3,789,967		373	3,164,738	30	3,165,141	138,522	3,303,663
Credit Derivative Contracts															
Credit default swaps															
Protection purchased	14		9,595	370	—	9,965	2,191	12,156		10,590	79	—	10,669	2,389	13,058
Protection sold	15		2,348	187	—	2,535	—	2,535		2,545	46	—	2,591	—	2,591
	16		11,943	557	—	12,500	2,191	14,691		13,135	125	—	13,260	2,389	15,649
Other Contracts															
Equity contracts	17		—	84,190	104,819	189,009	32,256	221,265		—	94,632	95,479	190,111	33,272	223,383
Commodity contracts	18		166	73,909	90,095	164,170	—	164,170		223	70,996	87,124	158,343	—	158,343
	19		166	158,099	194,914	353,179	32,256	385,435		223	165,628	182,603	348,454	33,272	381,726
Total	20	\$	15,032,014	\$ 4,390,832	\$ 1,604,817	\$ 21,027,663	\$ 2,395,506	\$ 23,423,169	\$	14,525,204	\$ 3,911,602	\$ 1,356,861	\$ 19,793,667	\$ 2,350,571	\$ 22,144,238
			2023 Q2						2023 Q1						
			Trading						Trading						
			Over-the-counter ¹						Over-the-counter ¹						
			Clearing house ²	Non-clearing house	Exchange-traded	Total	Non-trading	Total	Clearing house ²	Non-clearing house	Exchange-traded	Total	Non-trading	Total	
Interest Rate Contracts															
Futures	21	\$	—	\$	—	\$	1,289,660	\$ 1,289,660	\$	—	\$	—	\$ 1,400,164	\$	1,400,164
Forward rate agreements	22		435,022	23,130	—	458,152	436	458,588		447,376	16,434	—	463,810	372	464,182
Swaps	23		15,777,131	433,169	—	16,210,300	1,707,604	17,917,904		14,526,320	380,233	—	14,906,553	1,646,010	16,552,563
Options written	24		—	94,466	30,427	124,893	59	124,952		—	87,722	87,987	175,709	53	175,762
Options purchased	25		—	103,675	33,186	136,861	4,542	141,403		—	99,069	89,552	188,621	2,100	190,721
	26		16,212,153	654,440	1,353,273	18,219,866	1,712,641	19,932,507		14,973,696	583,458	1,577,703	17,134,857	1,648,535	18,783,392
Foreign Exchange Contracts															
Futures	27		—	—	—	—	—	—		—	—	—	—	—	—
Forward contracts	28		5	278,063	—	278,068	25,951	304,019		—	240,489	—	240,489	23,148	263,637
Swaps	29		646	1,889,388	—	1,890,034	1,805	1,891,839		747	2,024,130	—	2,024,877	2,480	2,027,357
Cross-currency interest rate swaps	30		—	1,182,921	—	1,182,921	115,100	1,298,021		—	1,138,915	—	1,138,915	106,180	1,245,095
Options written	31		—	37,185	22	37,207	—	37,207		—	40,533	22	40,555	—	40,555
Options purchased	32		—	28,781	2	28,783	—	28,783		—	31,758	2	31,760	—	31,760
	33		651	3,416,338	24	3,417,013	142,856	3,559,869		747	3,475,825	24	3,476,596	131,808	3,608,404
Credit Derivative Contracts															
Credit default swaps															
Protection purchased	34		9,444	91	—	9,535	2,914	12,449		10,331	60	—	10,391	2,533	12,924
Protection sold	35		2,574	74	—	2,648	—	2,648		3,707	106	—	3,813	—	3,813
	36		12,018	165	—	12,183	2,914	15,097		14,038	166	—	14,204	2,533	16,737
Other Contracts															
Equity contracts	37		—	151,680	88,609	240,289	32,460	272,749		—	80,627	88,465	169,092	31,428	200,520
Commodity contracts	38		290	67,499	94,943	162,732	—	162,732		348	78,876	67,345	146,569	—	146,569
	39		290	219,179	183,552	403,021	32,460	435,481		348	159,503	155,810	315,661	31,428	347,089
Total	40	\$	16,225,112	\$ 4,290,122	\$ 1,536,849	\$ 22,052,083	\$ 1,890,871	\$ 23,942,954	\$	14,988,829	\$ 4,218,952	\$ 1,733,537	\$ 20,941,318	\$ 1,814,304	\$ 22,755,622

¹ Collateral held under a Credit Support Annex (CSA) to help reduce CCR is in the form of high-quality and liquid assets such as cash and high-quality government securities. Acceptable collateral is governed by the Collateralized Trading Policy.

² Derivatives executed through a central clearing house reduces settlement risk due to the ability to net settle offsetting positions for capital purposes and therefore receive preferential capital treatment compared to those settled with non-central clearing house counterparties.

Derivatives – Notional (Continued)

(\$ millions) As at	LINE #	2022 Q4					
		Trading					
		Over-the-counter ¹					
		Clearing house ²	Non- clearing house	Exchange- traded	Total	Non- trading	Total
Interest Rate Contracts							
Futures	1	\$ —	\$ —	\$ 1,191,392	\$ 1,191,392	\$ —	\$ 1,191,392
Forward rate agreements	2	525,542	10,788	—	536,330	501	536,831
Swaps	3	14,156,659	418,241	—	14,574,900	1,955,639	16,530,539
Options written	4	—	78,984	117,942	196,926	34	196,960
Options purchased	5	—	83,202	125,056	208,258	967	209,225
	6	14,682,201	591,215	1,434,390	16,707,806	1,957,141	18,664,947
Foreign Exchange Contracts							
Futures	7	—	—	—	—	—	—
Forward contracts	8	—	234,747	—	234,747	29,562	264,309
Swaps	9	912	1,912,924	—	1,913,836	2,049	1,915,885
Cross-currency interest rate swaps	10	—	1,099,221	—	1,099,221	104,988	1,204,209
Options written	11	—	35,501	84	35,585	—	35,585
Options purchased	12	—	26,559	10	26,569	—	26,569
	13	912	3,308,952	94	3,309,958	136,599	3,446,557
Credit Derivative Contracts							
Credit default swaps							
Protection purchased	14	9,735	91	—	9,826	3,378	13,204
Protection sold	15	2,843	211	—	3,054	—	3,054
	16	12,578	302	—	12,880	3,378	16,258
Other Contracts							
Equity contracts	17	—	74,652	89,202	163,854	27,620	191,474
Commodity contracts	18	363	74,724	60,070	135,157	—	135,157
	19	363	149,376	149,272	299,011	27,620	326,631
Total	20	\$ 14,696,054	\$ 4,049,845	\$ 1,583,756	\$ 20,329,655	\$ 2,124,738	\$ 22,454,393

¹ Collateral held under a CSA to help reduce CCR is in the form of high-quality and liquid assets such as cash and high-quality government securities. Acceptable collateral is governed by the Collateralized Trading Policy.

² Derivatives executed through a central clearing house reduces settlement risk due to the ability to net settle offsetting positions for capital purposes and therefore receive preferential capital treatment compared to those settled with non-central clearing house counterparties.

Derivatives – Credit Exposure

\$ millions) As at			LINE #	2023 Q4			2023 Q3			2023 Q2									
				Current replacement cost ¹	Credit equivalent amount	Risk- weighted amount	Current replacement cost ¹	Credit equivalent amount	Risk- weighted amount	Current replacement cost ¹	Credit equivalent amount	Risk- weighted amount							
Interest Rate Contracts																			
Forward rate agreements	1	\$	32	\$	141	\$	70	\$	16	\$	72	\$	29	\$	24	\$	124	\$	47
Swaps	2		6,436		13,423		1,142		6,023		12,949		1,100		6,467		13,695		1,336
Options written	3		3		92		27		3		78		24		3		86		21
Options purchased	4		27		140		39		15		101		26		14		96		25
	5		6,498		13,796		1,278		6,057		13,200		1,179		6,508		14,001		1,429
Foreign Exchange Contracts																			
Forward contracts	6		1,514		4,732		968		1,222		4,144		874		1,263		4,538		926
Swaps	7		4,184		19,252		2,863		2,401		15,495		2,333		2,973		16,222		2,364
Cross-currency interest rate swaps	8		5,668		18,249		1,767		4,911		16,691		1,654		5,361		16,772		1,620
Options written	9		27		306		71		11		260		66		13		226		80
Options purchased	10		64		252		93		29		166		70		38		163		103
	11		11,457		42,791		5,762		8,574		36,756		4,997		9,648		37,921		5,093
Other Contracts																			
Credit derivatives	12		4		278		50		1		238		46		1		436		79
Equity contracts	13		762		8,147		2,577		542		7,746		2,323		566		7,800		2,275
Commodity contracts	14		829		4,980		1,102		712		4,583		1,109		876		4,775		1,054
	15		1,595		13,405		3,729		1,255		12,567		3,478		1,443		13,011		3,408
Total net derivatives	16		19,550		69,992		10,769		15,886		62,523		9,654		17,599		64,933		9,930
Qualifying Central Counterparty (QCCP) contracts ²	17		6,494		27,211		969		7,321		28,190		990		6,996		26,278		878
Total	18	\$	26,044	\$	97,203	\$	11,738	\$	23,207	\$	90,713	\$	10,644	\$	24,595	\$	91,211	\$	10,808

			2023 Q1			2022 Q4		
			Current replacement cost ¹	Credit equivalent amount	Risk-weighted amount	Current replacement cost ¹	Credit equivalent amount	Risk-weighted amount
Interest Rate Contracts								
Forward rate agreements	19	\$	32	\$	208	\$	60	
Swaps	20		6,903		14,314		1,197	
Options written	21		3		77		17	
Options purchased	22		4		80		27	
	23		6,942		14,679		1,301	
Foreign Exchange Contracts								
Forward contracts	24		836		3,592		557	
Swaps	25		2,894		17,752		1,778	
Cross-currency interest rate swaps	26		5,304		16,921		1,556	
Options written	27		15		223		94	
Options purchased	28		32		169		98	
	29		9,081		38,657		4,083	
Other Contracts								
Credit derivatives	30		1		515		93	
Equity contracts	31		472		7,591		1,766	
Commodity contracts	32		1,043		5,389		1,085	
	33		1,516		13,495		2,944	
Total net derivatives	34		17,539		66,831		8,328	
Qualifying Central Counterparty (QCCP) contracts ²	35		7,790		27,842		908	
Total	36	\$	25,329	\$	94,673	\$	9,236	

¹ Non-trading credit derivatives, which are given financial guarantee treatment for credit risk capital purposes, were excluded in accordance with OSFI's guidelines.

² RWA for OSFI "deemed" QCCP derivative exposures are calculated in accordance with the Basel III regulatory framework, which takes into account both trade exposures and default fund exposures relating to derivatives, are presented based on the "all-in" methodology. The amounts calculated are net of master netting agreements and collateral.

Securitization Exposures in the Banking Book (SEC1)

(\$ millions) As at		LINE #	2023 Q4						
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC ¹	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		1	\$ 36,849	\$ 36,480	\$ –	\$ 27,566	\$ 27,498	\$ –	\$ 64,415
Residential mortgage		2	11,638	11,638	–	68	–	–	11,706
Credit card		3	9,271	9,268	–	10,250	10,250	–	19,521
Other retail exposures		4	15,940	15,574	–	17,248	17,248	–	33,188
Re-securitization		5	–	–	–	–	–	–	–
Wholesale (total) – of which:		6	15,648	14,685	7,367	35,809	1,448	–	58,824
Loans to corporates		7	–	–	7,367	15,786	169	–	23,153
Commercial mortgage		8	–	–	–	16,801	–	–	16,801
Lease and receivables		9	15,648	14,685	–	3,222	1,279	–	18,870
Other wholesale		10	–	–	–	–	–	–	–
Re-securitization		11	–	–	–	–	–	–	–
			2023 Q3						
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		12	\$ 36,130	\$ 35,767	\$ –	\$ 27,312	\$ 27,177	\$ –	\$ 63,442
Residential mortgage		13	11,400	11,400	–	135	–	–	11,535
Credit card		14	8,748	8,744	–	9,744	9,744	–	18,492
Other retail exposures		15	15,982	15,623	–	17,433	17,433	–	33,415
Re-securitization		16	–	–	–	–	–	–	–
Wholesale (total) – of which:		17	16,338	15,511	7,658	34,970	1,524	–	58,966
Loans to corporates		18	–	–	7,658	15,085	162	–	22,743
Commercial mortgage		19	–	–	–	16,373	–	–	16,373
Lease and receivables		20	16,338	15,511	–	3,512	1,362	–	19,850
Other wholesale		21	–	–	–	–	–	–	–
Re-securitization		22	–	–	–	–	–	–	–
			2023 Q2						
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		23	\$ 34,596	\$ 34,203	\$ –	\$ 29,385	\$ 29,178	\$ –	\$ 63,981
Residential mortgage		24	10,994	10,993	–	206	–	–	11,200
Credit card		25	8,846	8,842	–	10,021	10,020	–	18,867
Other retail exposures		26	14,756	14,368	–	19,158	19,158	–	33,914
Re-securitization		27	–	–	–	–	–	–	–
Wholesale (total) – of which:		28	15,705	14,738	7,714	36,879	1,734	–	60,298
Loans to corporates		29	–	–	7,714	15,289	166	–	23,003
Commercial mortgage		30	–	–	–	17,497	–	–	17,497
Lease and receivables		31	15,597	14,738	–	4,093	1,568	–	19,690
Other wholesale		32	108	–	–	–	–	–	108
Re-securitization		33	–	–	–	–	–	–	–

¹ Simple, transparent, and comparable (STC).

Securitization Exposures in the Banking Book (SEC1) (Continued)¹

(\$ millions) As at		2023 Q1			2022 Q4		
	LINE #	Bank acts as originator/sponsor Traditional			Bank acts as investor Traditional		
				Total			Total
Retail (total) – of which:	1	\$ 38,497	\$ 37,021	\$ 75,518	\$ 32,972	\$ 40,310	\$ 73,282
Residential mortgage	2	12,266	240	12,506	11,589	292	11,881
Credit card	3	7,811	12,775	20,586	4,639	13,035	17,674
Other retail exposures	4	18,420	24,006	42,426	16,744	26,983	43,727
Re-securitization	5	–	–	–	–	–	–
Wholesale (total) – of which:	6	16,893	37,174	54,067	16,746	37,605	54,351
Loans to corporates	7	–	14,781	14,781	–	14,875	14,875
Commercial mortgage	8	–	17,253	17,253	–	17,233	17,233
Lease and receivables	9	16,627	5,140	21,767	16,473	5,497	21,970
Other wholesale	10	266	–	266	273	–	273
Re-securitization	11	–	–	–	–	–	–

¹ The Bank does not have any synthetic securitization exposures.

Securitization Exposures in the Trading Book (SEC2)¹

(\$ millions) As at		LINE #	2023 Q4						
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		1	\$ –	\$ –	\$ –	\$ 441	\$ –	\$ –	441
Residential mortgage		2	–	–	–	–	–	–	–
Credit card		3	–	–	–	44	–	–	44
Other retail exposures		4	–	–	–	397	–	–	397
Re-securitization		5	–	–	–	–	–	–	–
Wholesale (total) – of which:		6	–	–	–	864	–	–	864
Loans to corporates		7	–	–	–	–	–	–	–
Commercial mortgage		8	–	–	–	–	–	–	–
Lease and receivables		9	–	–	–	–	–	–	–
Other wholesale		10	–	–	–	864	–	–	864
Re-securitization		11	–	–	–	–	–	–	–
2023 Q3									
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		12	\$ –	\$ –	\$ –	\$ 233	\$ –	\$ –	233
Residential mortgage		13	–	–	–	–	–	–	–
Credit card		14	–	–	–	23	–	–	23
Other retail exposures		15	–	–	–	210	–	–	210
Re-securitization		16	–	–	–	–	–	–	–
Wholesale (total) – of which:		17	–	–	–	1,259	–	–	1,259
Loans to corporates		18	–	–	–	–	–	–	–
Commercial mortgage		19	–	–	–	–	–	–	–
Lease and receivables		20	–	–	–	–	–	–	–
Other wholesale		21	–	–	–	1,259	–	–	1,259
Re-securitization		22	–	–	–	–	–	–	–
2023 Q2									
			Bank acts as originator/sponsor			Bank acts as investor			
			Traditional	Of which STC	Synthetic	Traditional	Of which STC	Synthetic	Total
Retail (total) – of which:		23	\$ –	\$ –	\$ –	\$ 647	\$ –	\$ –	647
Residential mortgage		24	–	–	–	–	–	–	–
Credit card		25	–	–	–	26	–	–	26
Other retail exposures		26	–	–	–	621	–	–	621
Re-securitization		27	–	–	–	–	–	–	–
Wholesale (total) – of which:		28	–	–	–	1,318	–	–	1,318
Loans to corporates		29	–	–	–	–	–	–	–
Commercial mortgage		30	–	–	–	1	–	–	1
Lease and receivables		31	–	–	–	–	–	–	–
Other wholesale		32	–	–	–	1,317	–	–	1,317
Re-securitization		33	–	–	–	–	–	–	–

¹ The Bank does not have any synthetic securitization exposures.

Securitization Exposures in the Trading Book (SEC2) (Continued)¹

(\$ millions) As at		LINE #	2023 Q1			2022 Q4		
			Bank acts as originator/sponsor Traditional	Bank acts as investor Traditional	Total	Bank acts as originator/sponsor Traditional	Bank acts as investor Traditional	Total
Retail (total) – of which:		1	\$ –	\$ 728	\$ 728	\$ –	\$ 600	\$ 600
Residential mortgage		2	–	–	–	–	–	–
Credit card		3	–	54	54	–	8	8
Other retail exposures		4	–	674	674	–	592	592
Re-securitization		5	–	–	–	–	–	–
Wholesale (total) – of which:		6	–	937	937	–	55	55
Loans to corporates		7	–	–	–	–	–	–
Commercial mortgage		8	–	1	1	–	1	1
Lease and receivables		9	–	–	–	–	–	–
Other wholesale		10	–	936	936	–	54	54
Re-securitization		11	–	–	–	–	–	–

¹ The Bank does not have any synthetic securitization exposures.

Securitization Exposures in the Banking Book and Associated Regulatory Capital Requirements – Bank Acting as Originator or as Sponsor (SEC3)¹

		\$ millions)																
As at		2023																
LINE #		Q4																
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
		<20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																		
Traditional securitization	1	\$ 51,307	\$ 774	\$ 387	\$ 26	\$ 3	\$ 7,900	\$ 44,381	\$ 213	\$ 3	\$ 796	\$ 5,185	\$ 21	\$ 43	\$ 64	\$ 402	\$ 2	\$ 3
of which: securitization	2	51,307	774	387	26	3	7,900	44,381	213	3	796	5,185	21	43	64	402	2	3
of which: retail underlying	3	35,997	717	132	–	3	7,900	28,946	–	3	796	3,314	–	43	64	252	–	3
of which: STC	4	35,797	573	110	–	–	7,900	28,580	–	–	796	3,206	–	–	64	244	–	–
of which: wholesale	5	15,310	57	255	26	–	–	15,435	213	–	–	1,871	21	–	–	150	2	–
of which: STC	6	14,407	57	221	–	–	–	14,472	213	–	–	1,644	21	–	–	131	2	–
of which: re-securitization	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Synthetic securitization	8	7,367	–	–	–	–	7,367	–	–	–	1,105	–	–	–	88	–	–	–
of which: securitization	9	7,367	–	–	–	–	7,367	–	–	–	1,105	–	–	–	88	–	–	–
of which: retail underlying	10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: wholesale	11	7,367	–	–	–	–	7,367	–	–	–	1,105	–	–	–	88	–	–	–
of which: re-securitization	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	13	\$ 58,674	\$ 774	\$ 387	\$ 26	\$ 3	\$ 15,267	\$ 44,381	\$ 213	\$ 3	\$ 1,901	\$ 5,185	\$ 21	\$ 43	\$ 152	\$ 402	\$ 2	\$ 3

\$ millions)		LINE		2023															
As at		#		Q3															
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap				
		<20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	
Total exposures																			
Traditional securitization	14	\$ 51,350	\$ 757	\$ 300	\$ 57	\$ 4	\$ 7,900	\$ 44,367	\$ 197	\$ 4	\$ 803	\$ 5,134	\$ 20	\$ 46	\$ 64	\$ 397	\$ 2	\$ 4	
of which: securitization	15	51,350	757	300	57	4	7,900	44,367	197	4	803	5,134	20	46	64	397	2	4	
of which: retail underlying	16	35,267	699	129	31	4	7,900	28,226	—	4	803	3,233	—	46	64	245	—	4	
of which: STC	17	35,078	550	108	31	—	7,900	27,866	—	—	803	3,130	—	—	64	238	—	—	
of which: wholesale	18	16,083	58	171	26	—	—	16,141	197	—	—	1,901	20	—	—	152	2	—	
of which: STC	19	15,314	49	148	—	—	—	15,315	197	—	—	1,700	20	—	—	136	2	—	
of which: re-securitization	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Synthetic securitization	21	7,658	—	—	—	—	7,658	—	—	—	1,149	—	—	—	92	—	—	—	
of which: securitization	22	7,658	—	—	—	—	7,658	—	—	—	1,149	—	—	—	92	—	—	—	
of which: retail underlying	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
of which: wholesale	24	7,658	—	—	—	—	7,658	—	—	—	1,149	—	—	—	92	—	—	—	
of which: re-securitization	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total	26	\$ 59,008	\$ 757	\$ 300	\$ 57	\$ 4	\$ 15,558	\$ 44,367	\$ 197	\$ 4	\$ 1,952	\$ 5,134	\$ 20	\$ 46	\$ 156	\$ 397	\$ 2	\$ 4	

		2023																	
		Q2																	
		Exposure values (by RW bands)					Exposure values (by regulatory approach)					RWA (by regulatory approach) ²				Capital charge after cap			
		<20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	
Total exposures																			
Traditional securitization	27	\$ 49,143	\$ 818	\$ 218	\$ 118	\$ 4	\$ 7,900	\$ 42,034	\$ 363	\$ 4	\$ 888	\$ 4,931	\$ 54	\$ 49	\$ 71	\$ 382	\$ 4	\$ 4	
of which: securitization	28	49,143	818	218	118	4	7,900	42,034	363	4	888	4,931	54	49	71	382	4	4	
of which: retail underlying	29	33,822	635	56	79	4	7,900	26,692	—	4	888	3,093	—	49	71	235	—	4	
of which: STC	30	33,626	463	35	79	—	7,900	26,303	—	—	—	2,978	—	—	—	226	—	—	
of which: wholesale	31	15,321	183	162	39	—	—	15,342	363	—	—	1,838	54	—	—	147	4	—	
of which: STC	32	14,524	75	135	4	—	—	14,483	255	—	—	1,626	25	—	—	130	2	—	
of which: re-securitization	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Synthetic securitization	34	7,714	—	—	—	—	7,714	—	—	—	1,157	—	—	—	93	—	—	—	
of which: securitization	35	7,714	—	—	—	—	7,714	—	—	—	1,157	—	—	—	93	—	—	—	
of which: retail underlying	36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
of which: wholesale	37	7,714	—	—	—	—	7,714	—	—	—	1,157	—	—	—	93	—	—	—	
of which: re-securitization	38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total	39	\$ 56,857	\$ 818	\$ 218	\$ 118	\$ 4	\$ 15,614	\$ 42,034	\$ 363	\$ 4	\$ 2,045	\$ 4,931	\$ 54	\$ 49	\$ 164	\$ 382	\$ 4	\$ 4	

¹ The Bank did not have any synthetic securitization exposures prior to the second quarter of 2023.

² RWA before application of cap.

Securitization Exposures in the Banking Book and Associated Regulatory Capital Requirements – Bank Acting as Originator or as Sponsor (SEC3) (Continued)¹

(\$ millions) As at		2023 Q1																
LINE #		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
		</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																		
Traditional securitization	1	\$ 53,194	\$ 1,478	\$ 527	\$ 187	\$ 4	\$ 6,400	\$ 47,855	\$ 1,131	\$ 4	\$ 754	\$ 5,955	\$ 157	\$ 44	\$ 60	\$ 464	\$ 13	\$ 4
of which: securitization	2	53,194	1,478	527	187	4	6,400	47,855	1,131	4	754	5,955	157	44	60	464	13	4
of which: retail underlying	3	36,884	1,140	326	143	4	6,400	31,561	532	4	754	3,979	54	44	60	306	4	4
of which: wholesale	4	16,310	338	201	44	—	—	16,294	599	—	—	1,976	103	—	—	158	9	—
of which: re-securitization	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
of which: senior	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
of which: non-senior	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8	\$ 53,194	\$ 1,478	\$ 527	\$ 187	\$ 4	\$ 6,400	\$ 47,855	\$ 1,131	\$ 4	\$ 754	\$ 5,955	\$ 157	\$ 44	\$ 60	\$ 464	\$ 13	\$ 4
		2022 Q4																
		</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																		
Traditional securitization	9	\$ 46,988	\$ 2,296	\$ 280	\$ 152	\$ 2	\$ 3,200	\$ 45,698	\$ 818	\$ 2	\$ 361	\$ 5,709	\$ 126	\$ 29	\$ 29	\$ 444	\$ 10	\$ 2
of which: securitization	10	46,988	2,296	280	152	2	3,200	45,698	818	2	361	5,709	126	29	29	444	10	2
of which: retail underlying	11	31,456	1,343	63	108	2	3,200	29,225	545	2	361	3,623	55	29	29	277	4	2
of which: wholesale	12	15,532	953	217	44	—	—	16,473	273	—	—	2,086	71	—	—	167	6	—
of which: re-securitization	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
of which: senior	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
of which: non-senior	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	16	\$ 46,988	\$ 2,296	\$ 280	\$ 152	\$ 2	\$ 3,200	\$ 45,698	\$ 818	\$ 2	\$ 361	\$ 5,709	\$ 126	\$ 29	\$ 29	\$ 444	\$ 10	\$ 2

¹ The Bank does not have any synthetic securitization exposures.

² RWA before application of cap.

Securitization Exposures in the Banking Book and Associated Regulatory Capital Requirements – Bank Acting as Investor (SEC4)¹

\$ millions) As at		LINE #	2023 Q4																
			Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
			</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																			
Traditional securitization		1	\$ 62,729	\$ 646	\$ –	\$ –	\$ –	\$ 7,095	\$ 56,111	\$ 169	\$ –	\$ 709	\$ 9,149	\$ 17	\$ –	\$ 40	\$ 732	\$ 1	\$ –
of which: securitization		2	62,729	646	–	–	–	7,095	56,111	169	–	709	9,149	17	–	40	732	1	–
of which: retail underlying		3	26,920	646	–	–	–	7,095	20,471	–	–	709	2,183	–	–	40	175	–	–
of which: STC		4	26,852	646	–	–	–	7,095	20,403	–	–	709	2,175	–	–	11	174	–	–
of which: wholesale		5	35,809	–	–	–	–	–	35,640	169	–	–	6,966	17	–	–	557	1	–
of which: STC		6	1,448	–	–	–	–	–	1,279	169	–	–	128	17	–	–	10	1	–
of which: re-securitization		7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Synthetic securitization		8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: securitization		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: retail underlying		10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: wholesale		11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: re-securitization		12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total		13	\$ 62,729	\$ 646	\$ –	\$ –	\$ –	\$ 7,095	\$ 56,111	\$ 169	\$ –	\$ 709	\$ 9,149	\$ 17	\$ –	\$ 40	\$ 732	\$ 1	\$ –
			2023 Q3																
			Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
			</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																			
Traditional securitization		14	\$ 61,657	\$ 625	\$ –	\$ –	\$ –	\$ 7,041	\$ 55,079	\$ 162	\$ –	\$ 704	\$ 8,958	\$ 16	\$ –	\$ 40	\$ 716	\$ 1	\$ –
of which: securitization		15	61,657	625	–	–	–	7,041	55,079	162	–	704	8,958	16	–	40	716	1	–
of which: retail underlying		16	26,687	625	–	–	–	7,041	20,271	–	–	704	2,166	–	–	40	173	–	–
of which: STC		17	26,552	625	–	–	–	7,041	20,136	–	–	704	2,157	–	–	10	173	–	–
of which: wholesale		18	34,970	–	–	–	–	–	34,808	162	–	–	6,792	16	–	–	543	1	–
of which: STC		19	1,524	–	–	–	–	–	1,362	162	–	–	136	16	–	–	11	1	–
of which: re-securitization		20	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Synthetic securitization		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: securitization		22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: retail underlying		23	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: wholesale		24	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: re-securitization		25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total		26	\$ 61,657	\$ 625	\$ –	\$ –	\$ –	\$ 7,041	\$ 55,079	\$ 162	\$ –	\$ 704	\$ 8,958	\$ 16	\$ –	\$ 40	\$ 716	\$ 1	\$ –
			2023 Q2																
			Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
			</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																			
Traditional securitization		27	\$ 65,639	\$ 625	\$ –	\$ –	\$ –	\$ 7,550	\$ 58,548	\$ 166	\$ –	\$ 754	\$ 9,480	\$ 17	\$ –	\$ 42	\$ 756	\$ 1	\$ –
of which: securitization		28	65,639	625	–	–	–	7,550	58,548	166	–	754	9,480	17	–	42	756	1	–
of which: retail underlying		29	28,760	625	–	–	–	7,550	21,835	–	–	754	2,329	–	–	42	184	–	–
of which: STC		30	28,553	625	–	–	–	7,550	21,628	–	–	754	2,319	–	–	5	184	–	–
of which: wholesale		31	36,879	–	–	–	–	–	36,713	166	–	–	7,151	17	–	–	572	1	–
of which: STC		32	1,734	–	–	–	–	–	1,568	166	–	–	157	17	–	–	13	1	–
of which: re-securitization		33	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Synthetic securitization		34	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: securitization		35	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: retail underlying		36	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: wholesale		37	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: re-securitization		38	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total		39	\$ 65,639	\$ 625	\$ –	\$ –	\$ –	\$ 7,550	\$ 58,548	\$ 166	\$ –	\$ 754	\$ 9,480	\$ 17	\$ –	\$ 42	\$ 756	\$ 1	\$ –

¹ The Bank does not have any synthetic securitization exposures.

² RWA before application of cap.

Securitization Exposures in the Banking Book and Associated Regulatory Capital Requirements – Bank Acting as Investor (SEC4) (Continued)¹

(\$ millions) As at		2023 Q1																
LINE #																		
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
		</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																		
Traditional securitization	1	\$ 73,587	\$ 608	\$ –	\$ –	\$ –	\$ 7,841	\$ 66,220	\$ 134	\$ –	\$ 783	\$ 10,236	\$ 13	\$ –	\$ 45	\$ 816	\$ 1	\$ –
of which: securitization	2	73,587	608	–	–	–	7,841	66,220	134	–	783	10,236	13	–	45	816	1	–
of which: retail underlying	3	36,413	608	–	–	–	7,841	29,180	–	–	783	3,063	–	–	45	242	–	–
of which: wholesale	4	37,174	–	–	–	–	–	37,040	134	–	–	7,173	13	–	–	574	1	–
of which: re-securitization	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: senior	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: non-senior	7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	8	\$ 73,587	\$ 608	\$ –	\$ –	\$ –	\$ 7,841	\$ 66,220	\$ 134	\$ –	\$ 783	\$ 10,236	\$ 13	\$ –	\$ 45	\$ 816	\$ 1	\$ –
		2022 Q4																
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach) ²				Capital charge after cap			
		</20% RW	>20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%	IRBA	ERBA/ IAA	SA	1250%
Total exposures																		
Traditional securitization	9	\$ 77,270	\$ 645	\$ –	\$ –	\$ –	\$ 8,958	\$ 68,821	\$ 136	\$ –	\$ 896	\$ 10,522	\$ 14	\$ –	\$ 52	\$ 838	\$ 1	\$ –
of which: securitization	10	77,270	645	–	–	–	8,958	68,821	136	–	896	10,522	14	–	52	838	1	–
of which: retail underlying	11	39,665	645	–	–	–	8,958	31,352	–	–	896	3,294	–	–	52	260	–	–
of which: wholesale	12	37,605	–	–	–	–	–	37,469	136	–	–	7,228	14	–	–	578	1	–
of which: re-securitization	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: senior	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
of which: non-senior	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Total	16	\$ 77,270	\$ 645	\$ –	\$ –	\$ –	\$ 8,958	\$ 68,821	\$ 136	\$ –	\$ 896	\$ 10,522	\$ 14	\$ –	\$ 52	\$ 838	\$ 1	\$ –

¹ The Bank does not have any synthetic securitization exposures.

² RWA before application of cap.

AIRB Credit Risk Exposures: Actual and Estimated Parameters

(Percentage) As at		LINE #	2023 Q4						2023 Q3					
			Average Estimated PD ^{1,2}	Actual Default Rate ²	Average Estimated LGD ³	Actual LGD ⁴	Average Estimated EAD ⁵	Actual EAD ⁶	Average Estimated PD ^{1,2}	Actual Default Rate ²	Average Estimated LGD ³	Actual LGD ⁴	Average Estimated EAD ⁵	Actual EAD ⁶
Retail														
Residential secured uninsured		1	0.22 %	0.19 %	29.33 %	2.97 %	96.19 %	94.03 %	0.22 %	0.18 %	29.63 %	3.23 %	95.45 %	92.93 %
Residential secured insured ⁷		2	0.23	0.19	n/a	n/a	98.17	96.88	0.23	0.19	n/a	n/a	98.05	96.20
Qualifying revolving retail		3	1.95	1.84	89.86	83.17	98.02	91.80	1.85	1.74	89.90	83.16	97.84	91.38
Other retail		4	1.96	1.76	51.48	43.96	99.12	96.62	1.77	1.52	53.41	42.82	99.23	96.76
Non-Retail														
Corporate		5	1.54	0.49	57.10	49.34	59.78	68.14	1.57	0.43	56.17	51.22	60.65	60.22
Sovereign ⁸		6	0.44	—	n/a	n/a	n/a	n/a	0.43	—	n/a	n/a	n/a	n/a
Bank ⁸		7	0.21	—	n/a	n/a	n/a	n/a	0.21	—	n/a	n/a	n/a	n/a
2023 Q2									2023 Q1					
			Average Estimated PD ^{1,2}	Actual Default Rate ²	Average Estimated LGD ³	Actual LGD ⁴	Average Estimated EAD ⁵	Actual EAD ⁶	Average Estimated PD ^{1,2}	Actual Default Rate ²	Average Estimated LGD ³	Actual LGD ⁴	Average Estimated EAD ⁵	Actual EAD ⁶
Retail														
Residential secured uninsured		8	0.26 %	0.21 %	29.19 %	4.15 %	94.03 %	91.25 %	0.27 %	0.32 %	28.12 %	4.74 %	93.73 %	91.21 %
Residential secured insured ⁷		9	0.25	0.19	n/a	n/a	97.37	94.69	0.25	0.18	n/a	n/a	96.88	94.03
Qualifying revolving retail		10	1.79	1.54	89.83	83.41	96.78	89.43	1.63	1.35	89.95	83.99	94.76	87.46
Other retail		11	1.71	1.37	55.17	42.77	99.00	95.96	1.75	1.29	55.22	42.19	98.97	95.69
Non-Retail														
Corporate		12	1.64	0.40	55.13	49.07	58.32	56.05	1.72	0.31	22.30	27.77	91.62	79.10
Sovereign ⁸		13	0.38	—	n/a	n/a	n/a	n/a	0.43	—	7.26	n/a	99.83	n/a
Bank ⁸		14	0.21	—	n/a	n/a	n/a	n/a	0.19	—	18.42	n/a	96.47	n/a
2022 Q4														
			Average Estimated PD ^{1,2}	Actual Default Rate ²	Average Estimated LGD ³	Actual LGD ⁴	Average Estimated EAD ⁵	Actual EAD ⁶						
Retail														
Residential secured uninsured		15	0.30 %	0.39 %	28.70 %	5.04 %	95.17 %	92.72 %						
Residential secured insured ⁷		16	0.25	0.17	n/a	n/a	97.37	94.68						
Qualifying revolving retail		17	1.47	1.20	90.91	84.08	94.62	85.90						
Other retail		18	1.76	1.21	56.19	42.76	98.97	95.77						
Non-Retail														
Corporate		19	1.75	0.27	21.84	20.74	90.46	85.19						
Sovereign ⁸		20	0.26	—	7.44	n/a	99.83	n/a						
Bank ⁸		21	0.19	—	18.56	n/a	96.59	n/a						

¹ Estimated PD reflects a one-year through-the-cycle time horizon and is based on long run economic conditions.

² Average Estimated PD and Actual Default Rate are weighted by account.

³ Estimated LGD reflects loss estimates for the full portfolio under a severe downturn economic scenario. Effective Q2 2023, Estimated LGD for Non-Retail is based on defaulted accounts that are resolved within the trailing 12 months, consistent with how actual LGD is calculated.

⁴ Represents average LGD of the impaired portfolio over trailing 12 months.

⁵ Effective Q2 2023, Estimated EAD for Non-Retail refers to Usage Given Default (UGD) for revolving facilities, and is based on defaulted accounts within the trailing 12 months, which is consistent with how actual EAD is calculated.

⁶ Represents actual defaults over trailing 12 months.

⁷ LGD for the residential secured insured portfolio is n/a due to the effect of CRM from government backed entities.

⁸ LGD and EAD for Sovereign and Bank are n/a due to no defaulted accounts over the trailing 12 months.

IRB – Backtesting of Probability of Default (PD) per Portfolio – Non-Retail (CR9)

(\$ millions, except as noted)
As at

(\$ millions, except as noted) As at		LINE #	2023 Q4							
									</	

¹ Represents external rating equivalent at the end of the previous year.

² Total number of obligors is total number of unique borrowers and may not add as certain borrowers may be represented in more than one PD scale.

³ The Bank defines default as delinquency of 90 days or more for most retail products and borrower risk rating (BRR) 9 for non-retail exposures.

⁴ Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

⁵ As of the second quarter 2023, the sovereign disclosure includes all public sector entities. Previously, these exposures may have resided across various asset classes.

IRB – Backtesting of Probability of Default (PD) per Portfolio – Retail (CR9)

LINE #	2023							
	Q4							
	PD range	Weighted average PD	Arithmetic PD average by Obligor	Number of obligors		Defaulted obligors in the year ¹	of which: new defaulted obligors in the year	Average historical annual default rate
				End of previous	End of the year			
Residential Secured								
Canada Insured ²								
1	0.00 to <0.15 %	0.06 %	0.04 %	320,767	280,820	129	–	0.04 %
2	0.15 to <0.25	0.19	0.19	36,983	31,904	83	–	0.19
3	0.25 to <0.50	0.32	0.35	33,232	33,290	113	–	0.30
4	0.50 to <0.75	0.50	0.59	15,400	19,089	56	–	0.41
5	0.75 to <2.50	1.22	1.32	15,503	16,755	174	2	0.91
6	2.50 to <10.00	5.56	4.89	5,326	6,081	225	–	3.48
7	10.00 to <100.00	22.78	23.68	983	1,237	136	–	12.38
8	Total	0.48	0.46	428,194	389,176	916	2	0.24
Canada Uninsured ²								
9	0.00 to <0.15 %	0.06	0.05	848,459	839,148	241	3	0.03
10	0.15 to <0.25	0.19	0.19	124,985	142,285	173	9	0.12
11	0.25 to <0.50	0.32	0.36	93,329	115,504	237	12	0.23
12	0.50 to <0.75	0.51	0.61	24,271	41,242	135	4	0.42
13	0.75 to <2.50	1.22	1.26	29,879	41,149	381	6	0.95
14	2.50 to <10.00	5.35	4.58	7,247	10,605	370	–	3.69
15	10.00 to <100.00	30.56	25.38	1,038	1,671	176	–	12.14
16	Total	0.27	0.27	1,129,208	1,191,604	1,713	34	0.15
U.S. Uninsured								
17	0.00 to <0.15 %	0.06	0.07	113,376	117,965	18	–	0.07
18	0.15 to <0.25	0.19	0.20	26,481	26,938	4	–	0.18
19	0.25 to <0.50	0.32	0.36	23,765	29,831	15	–	0.32
20	0.50 to <0.75	0.52	0.61	9,066	9,718	8	–	0.50
21	0.75 to <2.50	1.30	1.34	14,600	15,816	25	–	0.80
22	2.50 to <10.00	4.96	4.69	4,830	5,845	50	1	2.63
23	10.00 to <100.00	18.75	22.34	1,708	1,957	145	3	9.04
24	Total	1.42 %	2.03 %	193,826	208,070	265	4	0.39 %
Qualifying Revolving Retail (QRR)								
25	0.00 to <0.15 %	0.05 %	0.05 %	18,081,993	17,929,201	10,848	15	0.05 %
26	0.15 to <0.25	0.19	0.19	2,224,461	2,196,831	5,058	5	0.18
27	0.25 to <0.50	0.32	0.36	2,663,800	2,684,944	9,811	382	0.29
28	0.50 to <0.75	0.53	0.61	1,546,954	1,567,596	8,548	98	0.47
29	0.75 to <2.50	1.48	1.46	4,520,188	4,400,545	59,415	3,931	0.97
30	2.50 to <10.00	5.39	4.74	3,088,035	3,387,240	129,289	64	3.23
31	10.00 to <100.00	28.45	38.37	1,166,199	1,475,848	316,311	3,172	18.20
32	Total	1.07	2.54	33,291,630	33,642,205	539,280	7,667	1.35
Other Retail								
33	0.00 to <0.15 %	0.08	0.08	683,102	627,155	426	1	0.06
34	0.15 to <0.25	0.20	0.20	368,777	350,994	453	3	0.13
35	0.25 to <0.50	0.32	0.36	508,875	479,289	956	63	0.21
36	0.50 to <0.75	0.53	0.62	263,751	272,508	799	21	0.37
37	0.75 to <2.50	1.48	1.45	817,767	837,043	6,691	230	0.85
38	2.50 to <10.00	5.34	4.60	410,953	517,369	15,724	1,939	3.07
39	10.00 to <100.00	26.44	22.88	102,933	136,283	18,629	1,009	15.84
40	Total	2.23 %	2.69 %	3,156,158	3,220,641	43,678	3,266	1.41 %

¹ The Bank defines default as delinquency of 90 days or more for most retail products and BRR 9 for non-retail exposures.

² Includes Canadian Personal and Commercial Banking, Wealth Management and Insurance, Wholesale Banking and Corporate segments.

Historical Losses (OR1)¹

(\$ millions, except as noted)

LINE #	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	Ten-year average
Using \$30,000 CAD threshold											
Total amount of operational losses net of recoveries (no exclusions)	\$ 2,027	\$ 229	\$ 272	\$ 300	\$ 218	\$ 176	\$ 163	\$ 328	\$ 204	\$ 251	\$ 417
Total number of operational risk losses	2,024	1,417	1,033	1,050	1,112	1,080	1,078	986	848	618	1,125
Total amount of excluded operational risk losses	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Total number of exclusions	—	—	—	—	—	—	—	—	—	—	—
Total amount of operational losses net of recoveries and net of excluded losses	\$ 2,027	\$ 229	\$ 272	\$ 300	\$ 218	\$ 176	\$ 163	\$ 328	\$ 204	\$ 251	\$ 417
Details of operational risk capital calculation											
Are losses used to calculate the Internal loss multiplier (ILM)?	Yes										
If "no" in row 6, is the exclusion of internal loss data due to non-compliance with the minimum loss data standards?	n/a										

¹ Operational losses, used in the calculation of Basel III Standardized Approach capital, have been stable over the last 10 years, with the exception of a large litigation event impacting 2023. Currently, there are no exclusions to note in the 10 year operational loss history.

Business Indicator (BI) and Subcomponents (OR2)¹

(\$ millions)

LINE #	2023	2022	2021
BI and its subcomponents			
Interest, lease and dividend component	\$ 25,687	\$ —	\$ —
Interest and lease income	76,735	37,640	26,532
Interest and lease expense	50,421	13,610	5,417
Interest earning assets	1,676,754	1,638,245	1,481,533
Dividend income	2,246	1,787	1,568
Services component	20,123	—	—
Fee and commission income	17,872	17,115	16,101
Fee and commission expense	4,244	3,909	3,228
Other operating income	2,334	3,173	2,338
Other operating expense	4,913	2,363	2,007
Financial component	1,035	—	—
Net P&L on the trading book	2,417	257	313
Net P&L on the banking book	48	62	9
BI ²	48,488	—	—
Business indicator component (BIC)	7,333	—	—
Disclosure on the BI:			
BI gross of excluded divested activities	48,488	—	—
Reduction in BI due to excluded divested activities	—	—	—

¹ Reflects details of the three years of financial data used in calculation of the business indicator as at October 31, 2023.

² Includes the impact of acquisitions not included in the detailed BI subcomponents.

Minimum Required Operational Risk Capital (OR3)

(\$ millions, except as noted)

LINE #	2023
Business indicator component (BIC)	\$ 7,333
Internal loss multiplier (ILM)	0.95
Minimum required operational risk capital (ORC)	\$ 6,966
Operational risk RWA	87,077

Glossary – Basel

Risk-weighted assets (RWA)	<ul style="list-style-type: none"> Used in the calculation of risk-based capital ratios, total risk-weighted assets are calculated for credit, operational, and market risks using the approaches described below.
Approaches used by the Bank to calculate RWA	
For Credit Risk	
Standardized Approach (SA)	<ul style="list-style-type: none"> Under this approach, banks apply a standardized set of risk-weights to exposures, as prescribed by the regulator, to calculate credit risk capital requirements. Standardized risk-weights are based on external credit assessments, where available, and other risk-related factors, including exposure asset class and collateral.
Advanced Internal Ratings-Based (AIRB) Approach	<ul style="list-style-type: none"> Under this approach, banks use their own internal historical experience of PD, LGD, EAD, and other key risk assumptions to calculate credit risk capital requirements. Use of the AIRB approach is subject to supervisory approval.
Foundation Internal Ratings-Based (FIRB) Approach	<ul style="list-style-type: none"> Under this approach, banks use their own internal historical experience of PD and supervisory prescribed LGD and EAD, and other key risk assumptions to calculate credit risk capital requirements. Use of the FIRB approach is mandated for certain asset classes (large corporates, banks and securities firms).
For Operational Risk	
Standardized Approach for Operational Risk (SAOR)	<ul style="list-style-type: none"> The SAOR consists of two main components - a Business Indicator Component (BIC) (a measure of a bank's income) and a Loss Component (LC), from which an Internal Loss Multiplier (ILM) is derived (a measure of a bank's historical losses). Operational risk capital is the product of the BIC and the ILM, with risk-weighted assets for operational risk being this capital requirement multiplied by 12.5.
For Market Risk	
Standardized Approach	<ul style="list-style-type: none"> Under this approach, banks use standardized capital charges prescribed by the regulator to calculate general and specific risk components of market risk.
Internal Models Approach (IMA)	<ul style="list-style-type: none"> Under this approach, banks use their own internal risk management models to calculate specific risk and general market risk charges.
Credit Risk Terminology	
Gross credit risk exposure	<ul style="list-style-type: none"> The total amount the Bank is exposed to at the time of default measured before counterparty-specific provisions or write-offs. Includes exposures under both the Standardized and AIRB approaches to credit risk.
Counterparty Type / Exposure Classes:	
Retail	
Residential Secured	<ul style="list-style-type: none"> Includes general and income producing residential mortgages and home equity lines of credit extended to individuals.
Qualifying Revolving Retail (QRR)	<ul style="list-style-type: none"> Includes credit cards, unsecured lines of credit, and overdraft protection products extended to individuals. QRR is further split into transactors and revolvers. Transactors are obligors in relation to facilities with an interest free grace period where the accrued interest over the previous 12 months is less than \$50 or obligors in relation to overdraft facilities or lines of credit where there has been no drawdowns over the previous 12 months. Revolvers are obligors in relation to the same credit products that do not meet the conditions to be classified as transactors. Includes all other loans (such as personal loans, student lines of credit, and small business loans) extended to individuals and small businesses.
Other Retail	
Non-retail	
Corporate	<ul style="list-style-type: none"> Includes exposures to corporations, partnerships, or proprietorships.
Sovereign	<ul style="list-style-type: none"> Includes exposures to central governments, central banks, multilateral development banks, and public sector entities.
Bank	<ul style="list-style-type: none"> Includes exposures to deposit-taking institutions, securities firms, and other financial institutions.
Exposure Types:	
Drawn	<ul style="list-style-type: none"> The amount of funds advanced to a borrower.
Undrawn (commitment)	<ul style="list-style-type: none"> The difference between the authorized and drawn amounts (for instance, the unused portion of a line of credit/committed credit facility).
Repo-style transactions	<ul style="list-style-type: none"> Repurchase and reverse repurchase agreements, securities borrowing and lending.
OTC derivatives	<ul style="list-style-type: none"> Privately negotiated derivative contracts.
Other off-balance sheet	<ul style="list-style-type: none"> All off-balance sheet arrangements other than derivatives and undrawn commitments (such as letters of credit, letters of guarantee).
IRB Credit Risk Parameters:	
Probability of Default (PD)	<ul style="list-style-type: none"> The likelihood that the borrower will not be able to meet its scheduled repayments within a one year time horizon.
Exposure at Default (EAD)	<ul style="list-style-type: none"> The total amount the Bank is exposed to at the time of default.
Loss Given Default (LGD)	<ul style="list-style-type: none"> The amount of the loss when a borrower defaults on a loan, which is expressed as a percentage of EAD.
Credit Valuation Adjustment (CVA)	<ul style="list-style-type: none"> CVA represents a capital charge that measures credit risk due to default of derivative counterparties. This charge requires banks to capitalize for the potential changes in counterparty credit spread for the derivative portfolios.
Common Equity Tier 1 (CET1)	<ul style="list-style-type: none"> This is a primary Basel III capital measure comprised mainly of common equity, retained earnings and accumulated other comprehensive income (loss). Regulatory deductions made to arrive at the CET1 Capital include, goodwill and intangibles, unconsolidated investments in banking, financial, and insurance entities, deferred tax assets, defined benefit pension fund assets, and shortfalls in allowances.
CET1 Ratio	<ul style="list-style-type: none"> CET1 ratio represents the predominant measure of capital adequacy under Basel III and equals CET1 Capital divided by RWA.
Return on risk-weighted assets	<ul style="list-style-type: none"> Net income available to common shareholders as a percentage of average RWA.
Liquidity Coverage Ratio (LCR)	<ul style="list-style-type: none"> LCR is calculated by dividing the total stock of unencumbered high-quality liquid assets by the expected next 30-day stressed cash outflow.
Countercyclical Capital Buffer (CCB)	<ul style="list-style-type: none"> CCB is an extension of the capital conservation buffer which takes into account the macro-financial environment in which the banks operate and aims to protect the banking sector against future potential losses during periods of excess aggregate credit growth from a build-up of system-wide risk. The Bank's CCB will be a weighted average of the buffers deployed across jurisdictions to which the institution has private sector credit exposures.

Acronyms

Acronym	Definition	Acronym	Definition
ACI	Acquired Credit-Impaired	IPRRE	Income Producing RRE
AOCI	Accumulated Other Comprehensive Income	IRB	Internal Ratings-Based
BCBS	Basel Committee on Banking Supervision	IRBA	Internal Ratings-Based Approach
CAR	Capital Adequacy Requirements	N/A	Not Applicable
CCF	Credit Conversion Factor	N/M	Not Meaningful
CCR	Counterparty Credit Risk	NVCC	Non-Viability Contingent Capital
CMHC	Canada Mortgage and Housing Corporation	OSFI	Office of the Superintendent of Financial Institutions Canada
CRE	Commercial Real Estate	OTC	Over-The-Counter
CRM	Credit Risk Mitigation	PFE	Potential Future Exposure
CSA	Credit Support Annex	QCCP	Qualifying Central Counterparty
D-SIBs	Domestic Systemically Important Banks	RRE	Residential Real Estate
ERBA	External Ratings-Based Approach	SA-CCR	Standardized Approach Counterparty Credit Risk
FSB	Financial Stability Board	SEC-ERBA	Securitization External Ratings-Based Approach
G-SIBs	Global Systemically Important Banks	SEC-IRBA	Securitization Internal Ratings-Based Approach
HELOCs	Home Equity Lines of Credit	SEC-SA	Securitization Standardized Approach
IAA	Internal Assessment Approach	SFTs	Securities Financing Transactions
IFRS	International Financial Reporting Standards	STC	Simple, transparent, and comparable
IMM	Internal Model Method	TLAC	Total Loss Absorbing Capacity
IPCRE	Income Producing CRE	VaR	Value-at-Risk