



Supplementary Regulatory Capital and Pillar 3 Disclosure

Fourth Quarter 2024

(unaudited)

For information:
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Notes to users

- 1) This *Supplementary Regulatory Capital and Pillar 3 Disclosure* document is unaudited and should be read in conjunction with the *2024 Annual Report*. All amounts are in millions of Canadian dollars, unless otherwise indicated.
- 2) The information provided in this document is subject to the same level of internal review and internal control processes as the information provided by the Bank for its financial reporting.
- 3) Financial information is available through the *2024 Annual Report*, the *Fourth Quarter 2024 Press release*, and also in the document entitled *Supplementary Financial Information* which are available on the Bank's website at nbc.ca. Prior reporting periods are also available on the Bank's website.
- 4) The Bank has its own methods for managing capital and liquidity, and IFRS does not prescribe any particular calculation method. These measures are calculated using various guidelines and advisories issued by OSFI, which are based on the standards, recommendations, and best practices of the Basel Committee on Banking Supervision (BCBS), as presented in the following table.

OSFI guideline or advisory	Measure
Capital Adequacy Requirements	Common Equity Tier 1 (CET1) capital ratio Tier 1 capital ratio Total capital ratio CET1 capital Tier 1 capital Tier 2 capital Total capital Risk-weighted assets Maximum credit risk exposure under the Basel asset classes
Leverage Requirements	Leverage ratio Total exposure
Total Loss Absorbing Capacity (TLAC)	Key indicators – TLAC requirements Available TLAC TLAC ratio TLAC leverage ratio
Liquidity Adequacy Requirements	Liquid asset portfolio Encumbered assets and unencumbered assets Liquidity coverage ratio (LRC) High-quality liquid assets (HQLA) Cash inflows/outflows and net cash outflows Net stable funding ratio (NSFR) Available stable funding items Required stable funding items
Global systemically Important Banks (G-SIBs) – Public Disclosure Requirements	G-SIB indicators

- 5) In the first quarter of 2024, the Bank implemented OSFI's finalized guidance of the revised market risk framework, consistent with the BCBS's Fundamental Review of the Trading Book (FRTB) as well as the revised credit valuation adjustment (CVA) risk framework.
- 6) For certain prescribed tables formats where row or column items have zero balances, such items have not been presented.

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n.a. - Not applicable

(1) This document is available on the Bank's website at nbc.ca under *About us > Investors*.

(2) These pages are included in the document entitled *Supplementary Financial Information – Fourth Quarter 2024* available at nbc.ca under *About us > Investors > quarterly-results*.

(3) This page is included in the *Report to Shareholders – Third Quarter 2024* available at nbc.ca under *About us > Investors > quarterly-results*.

KM1 – Key Metrics

(millions of Canadian dollars)

The following table provides an overview of the Bank's prudential regulatory metrics.

		Q4 2024	Q3 2024	Q2 2024	Q1 2024	Q4 2023
		a	b	c	d	e
Available capital (amounts)						
1	Common Equity Tier 1 (CET1)	19,321	18,705	18,009	17,350	16,920
2	Tier 1	22,470	21,855	21,159	20,498	20,068
3	Total capital	24,001	23,432	22,702	21,423	21,056
Risk-weighted assets (amounts)						
4	Total risk-weighted assets (RWA)	140,975	138,918	136,115	132,370	125,592
4a	Total risk-weighted assets (pre-floor)	140,975	138,918	136,115	132,370	125,592
Risk-based capital ratios as a percentage of RWA						
5	CET1 ratio (%)	13.7%	13.5%	13.2%	13.1%	13.5%
5b	CET1 ratio (%) (pre-floor ratio)	13.7%	13.5%	13.2%	13.1%	13.5%
6	Tier 1 ratio (%)	15.9%	15.7%	15.5%	15.5%	16.0%
6b	Tier 1 ratio (%) (pre-floor ratio)	15.9%	15.7%	15.5%	15.5%	16.0%
7	Total capital ratio (%)	17.0%	16.9%	16.7%	16.2%	16.8%
7b	Total capital ratio (%) (pre-floor ratio)	17.0%	16.9%	16.7%	16.2%	16.8%
Additional CET1 buffer requirements as a percentage of RWA						
8	Capital conservation buffer requirement (2.5% from 2019) (%)	2.5%	2.5%	2.5%	2.5%	2.5%
9	Countercyclical buffer requirement (%)	0.0%	0.0%	0.0%	0.0%	0.0%
10	Bank G-SIB and/or D-SIB additional requirements (%)	1.0%	1.0%	1.0%	1.0%	1.0%
11	Total of bank CET1 specific buffer requirements (%) (row 8 + row 9 + row 10)	3.5%	3.5%	3.5%	3.5%	3.5%
12	CET1 available after meeting the bank's minimum capital requirements (%)	8.3%	8.1%	7.9%	7.3%	7.8%
Basel III Leverage ratio						
13	Total Basel III leverage ratio exposure measure	511,160	499,963	484,467	478,484	456,478
14	Basel III leverage ratio (row 2 / row 13)	4.4%	4.4%	4.4%	4.3%	4.4%

KM2 – Key Metrics - TLAC Requirements

(millions of Canadian dollars)

The following table provides summary information about total loss-absorbing capacity (TLAC) available, and TLAC requirements applied.

		2024				2023
		Q4	Q3	Q2	Q1	Q4
		a				
1	Total loss-absorbing capacity (TLAC) available	44,040	41,295	41,095	37,162	36,732
2	Total RWA at the level of the resolution group	140,975	138,918	136,115	132,370	125,592
3	TLAC ratio: TLAC as a percentage of RWA (row 1 / row 2) (%)	31.2%	29.7%	30.2%	28.1%	29.2%
4	Leverage ratio exposure measure at the level of the resolution group	511,160	499,963	484,467	478,484	456,478
5	TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure (row 1 / row 4) (%)	8.6%	8.3%	8.5%	7.8%	8.0%
6a	Does the subordination exemption in the antepenultimate paragraph of Section 11 of the FSB TLAC Term Sheet apply?	yes	yes	yes	yes	yes
6b	Does the subordination exemption in the penultimate paragraph of Section 11 of the FSB TLAC Term Sheet apply?	no	no	no	no	no
6c	If the capped subordination exemption applies, the amount of funding issued that ranks pari passu with Excluded Liabilities and that is recognized as external TLAC, divided by funding issued that ranks pari passu with Excluded Liabilities and that would be recognized as external TLAC if no cap was applied (%)	n.a.	n.a.	n.a.	n.a.	n.a.

OV1 – Overview of RWA

(millions of Canadian dollars)

The following table provides an overview of total RWA forming the denominator of the risk-based capital requirements. Further breakdowns of RWA are presented in subsequent parts.

	Q4 2024	Q3 2024	Q2 2024	Q1 2024	Q4 2023	Q4 2024
	a	b	b	b	b	c
	RWA	RWA	RWA	RWA	RWA	Minimum capital requirement ⁽¹⁾
1 Credit risk (excluding counterparty credit risk)	108,109	107,307	103,361	99,483	96,383	8,648
2 Of which: standardized approach (SA)	29,964	29,533	28,450	26,423	25,680	2,397
3 Of which: foundation internal ratings-based (FIRB) approach	11,752	11,733	11,507	11,614	11,492	940
4 Of which: supervisory slotting approach	–	–	–	–	–	–
5 Of which: advanced internal ratings-based (AIRB) approach	66,393	66,041	63,404	61,446	59,211	5,311
6 Counterparty credit risk (CCR)	5,456	4,919	5,084	5,329	5,568	436
7 Of which: standardized approach for counterparty credit risk	3,503	3,010	3,059	2,947	3,412	280
8 Of which: internal model method (IMM)	–	–	–	–	–	–
9 Of which: other CCR	1,953	1,909	2,025	2,382	2,156	156
10 Credit valuation adjustment (CVA)	989	1,086	885	870	2,181	79
11 Equity investments in funds – look-through approach	910	854	843	745	725	73
12 Equity investments in funds – mandate-based approach	–	–	–	–	–	–
13 Settlement risk	5	8	8	18	24	–
14 Securitization exposures in banking book	1,343	1,183	1,135	1,092	1,047	107
15 Of which: securitization IRB approach (SEC-IRBA)	80	80	80	80	80	6
16 Of which: securitization external ratings-based approach (SEC-ERBA), including internal assessment approach (IAA)	923	817	809	812	780	74
17 Of which: securitization standardized approach (SEC-SA)	340	286	246	200	187	27
18 Market risk	7,940	8,004	9,641	10,148	5,662	635
19 Of which: standardized approach (SA)	7,940	8,004	9,641	10,148	1,204	635
20 Of which: internal model approach (IMA)	–	–	–	–	4,458	–
21 Capital charge for switch between trading book and banking book⁽²⁾	62	62	–	–	–	5
22 Operational risk	14,523	14,168	13,811	13,384	12,785	1,162
23 Amounts below the thresholds for deduction (subject to 250% risk weight)	1,638	1,327	1,347	1,301	1,217	131
24 Output floor applied	67.5%	67.5%	67.5%	67.5%	65.0%	–
25 Floor adjustment (before application of transitional cap)	–	–	–	–	–	–
26 Floor adjustment (after application of transitional cap)	–	–	–	–	–	–
27 Total (1+6+10+11+12+13+14+18+21+22+23+26)	140,975	138,918	136,115	132,370	125,592	11,276

(1) The capital requirement is equal to 8% of risk weighted assets.

(2) Since Q3 2024, subsequent to the agreement to acquire Canadian Western Bank (CWB), CWB common shares already held by the Bank were reassigned from trading book to banking book.

CMS1 – Comparison of Modelled and Standardized RWA at Risk Level

(millions of Canadian dollars)

The following tables compare full standardized RWA against modelled RWA that the Bank has supervisory approval to use in accordance with the Basel framework. The disclosure also provides the full standardized RWA amount that is the base of the output floor.

		Q4 2024				Q3 2024			
		a	b	c	d	a	b	c	d
		RWA				RWA			
		RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total Actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)	RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total Actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)
1	Credit risk (excluding counterparty credit risk)	78,145	29,964	108,109	159,985	77,774	29,533	107,307	159,434
2	Counterparty credit risk	4,395	1,061	5,456	13,527	3,910	1,009	4,919	12,778
3	Credit valuation adjustment		989	989	989		1,086	1,086	1,086
4	Securitization exposures in the banking book	80	1,263	1,343	1,343	80	1,103	1,183	1,183
5	Market risk	–	8,002	8,002	8,002	–	8,066	8,066	8,066
6	Operational risk		14,523	14,523	14,523		14,168	14,168	14,168
7	Residual RWA		2,553	2,553	2,553		2,189	2,189	2,189
8	Total	82,620	58,355	140,975	200,922	81,764	57,154	138,918	198,904

		Q2 2024				Q1 2024			
		a	b	c	d	a	b	c	d
		RWA				RWA			
		RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total Actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)	RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total Actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)
1	Credit risk (excluding counterparty credit risk)	74,911	28,450	103,361	159,443	73,060	26,423	99,483	157,811
2	Counterparty credit risk	4,147	937	5,084	12,825	4,127	1,202	5,329	13,672
3	Credit valuation adjustment		885	885	885		870	870	870
4	Securitization exposures in the banking book	80	1,055	1,135	1,135	80	1,012	1,092	1,092
5	Market risk	–	9,641	9,641	9,641	–	10,148	10,148	10,148
6	Operational risk		13,811	13,811	13,811		13,384	13,384	13,384
7	Residual RWA		2,198	2,198	2,198		2,064	2,064	2,064
8	Total	79,138	56,977	136,115	199,938	77,267	55,103	132,370	199,041

CMS2 – Comparison of Modelled and Standardized RWA for Credit Risk at Asset Level

(millions of Canadian dollars)

The following tables compare RWA calculated according to the standardized approach (SA) for credit risk at the asset class level against the corresponding RWA figure calculated using the approaches (including both the standardized and IRB approach for credit risk) that the Bank has supervisory approval to use in accordance with the Basel framework for credit risk.

		Q4 2024				Q3 2024			
		a	b	c	d	a	b	c	d
		RWA				RWA			
		RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)	RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)
1	Sovereign	1,351	1,389	2,740	2,389	1,324	1,250	2,574	2,352
	Of which: categorized as MDB/PSE in SA	1,256	1	1,257	995	1,217	1	1,218	1,093
2	Banks and other financial institutions	1,237	3,269	4,506	5,158	1,209	3,356	4,565	5,211
3	Covered Bonds	106	–	106	128	140	–	140	148
4	Equity	–	4,004	4,004	4,004	–	4,020	4,020	4,020
5	Purchased receivables	–	–	–	–	–	–	–	–
6	Corporates	51,723	10,006	61,729	88,059	51,730	9,785	61,515	87,781
	Of which: FIRB is applied	10,409	–	10,409	23,497	10,383	–	10,383	24,073
	Of which: AIRB is applied	41,314	–	41,314	54,556	41,347	–	41,347	53,923
7	Retail	17,874	6,394	24,268	42,765	17,435	6,209	23,644	42,773
	Of which: qualifying revolving retail	7,304	–	7,304	8,088	6,513	–	6,513	7,743
	Of which: other retail	3,449	1,586	5,035	8,265	3,739	1,643	5,382	8,219
	Of which: retail residential mortgages	7,121	4,808	11,929	26,412	7,183	4,566	11,749	26,811
8	Specialised lending	5,854	–	5,854	12,580	5,936	–	5,936	12,236
	Of which: income-producing real estate and high volatility commercial real estate	–	–	–	–	–	–	–	–
9	Others	–	4,902	4,902	4,902	–	4,913	4,913	4,913
10	Total	78,145	29,964	108,109	159,985	77,774	29,533	107,307	159,434

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

(millions of Canadian dollars)

		Q2 2024				Q1 2024			
		a	b	c	d	a	b	c	d
		RWA				RWA			
		RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)	RWA for modelled approaches that D-SIBs have supervisory approval to use	RWA for portfolios where standardized approaches are used	(a+b) Total actual RWA (ie RWA which D-SIBs report as current requirements)	RWA calculated using full standardized approach (ie used in the base of the output floor)
1	Sovereign	1,222	1,296	2,518	2,408	1,296	1,077	2,373	2,265
	Of which: categorized as MDB/PSE in SA	1,125	1	1,126	1,094	1,171	1	1,172	1,130
2	Banks and other financial institutions	1,141	3,003	4,144	5,012	1,170	2,162	3,332	4,059
3	Covered Bonds	151	–	151	147	158	–	158	144
4	Equity	–	3,273	3,273	3,273	–	3,185	3,185	3,185
5	Purchased receivables	–	–	–	–	–	–	–	–
6	Corporates	49,296	9,996	59,292	89,006	47,709	9,389	57,098	89,541
	Of which: FIRB is applied	10,216	–	10,216	24,071	10,286	–	10,286	24,949
	Of which: AIRB is applied	39,080	–	39,080	54,939	37,423	–	37,423	55,203
7	Retail	17,511	6,045	23,556	42,362	17,179	5,978	23,157	41,642
	Of which: qualifying revolving retail	6,376	–	6,376	7,480	6,122	–	6,122	7,146
	Of which: other retail	3,735	1,610	5,345	8,176	3,750	1,693	5,443	8,194
	Of which: retail residential mortgages	7,400	4,435	11,835	26,706	7,307	4,285	11,592	26,302
8	Specialised lending	5,590	–	5,590	12,398	5,548	–	5,548	12,343
	Of which: income-producing real estate and high volatility commercial real estate	–	–	–	–	–	–	–	–
9	Others	–	4,837	4,837	4,837	–	4,632	4,632	4,632
10	Total	74,911	28,450	103,361	159,443	73,060	26,423	99,483	157,811

LI1 – Differences Between Accounting and Regulatory Scopes of Consolidation and Mapping of Financial Statements with Regulatory Risk Categories⁽¹⁾

(millions of Canadian dollars)

For the following table columns a and b enable users to identify the differences between the scope of accounting consolidation and the scope of regulatory consolidation; and columns c to g break down how the amounts reported in banks' financial statements (rows) correspond to regulatory risk categories.

	Q4 2024						
	a	b	c	d	e	f	g
	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation	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 ⁽²⁾ Not subject to capital requirements or subject to deduction from capital
Assets							
Cash and deposits with financial institutions	31,549	31,549	31,549	–	–	257	–
Securities							
At fair value through profit or loss	115,935	118,057	2,460	–	–	115,597	–
At fair value through other comprehensive income	14,622	21,763	21,727	–	36	–	–
At amortized cost	14,608	14,608	10,591	–	4,017	–	–
	145,165	154,428	34,778	–	4,053	115,597	–
Securities purchased under reverse repurchase agreements and securities borrowed	16,265	15,915	–	15,915	–	–	–
Loans and acceptances							
Residential mortgage	95,009	56,458	56,458	–	–	–	–
Personal	46,883	46,883	46,883	–	–	–	–
Credit card	2,761	2,761	–	–	800	–	1,961
Business and government	99,720	99,720	99,688	–	32	14,990	–
	244,373	205,822	203,029	–	832	14,990	1,961
Customers' liability under acceptances	–	–	–	–	–	–	–
Allowances for credit losses	(1,341)	(1,341)	(154)	–	–	–	(1,187)
	243,032	204,481	202,875	–	832	14,990	774
Other							
Derivative financial instruments ⁽³⁾	12,309	14,504	–	14,504	–	11,686	–
Investments in associates and joint ventures	40	168	168	–	–	–	–
Premises and equipment	1,868	1,868	1,868	–	–	–	–
Goodwill	1,522	1,627	–	–	–	–	1,627
Intangible assets	1,233	1,029	–	–	–	–	1,029
Other assets	9,243	9,540	9,213	–	–	–	327
	26,215	28,736	11,249	14,504	–	11,686	2,983
Total assets	462,226	435,109	280,451	30,419	4,885	142,530	3,757
Liabilities							
Deposits	333,545	333,545	–	–	–	30,429	303,116
Other							
Acceptances	–	–	–	–	–	–	–
Obligations related to securities sold short	10,873	10,873	–	–	–	10,873	–
Obligations related to securities sold under repurchase agreements and securities loaned	38,177	40,385	–	40,385	–	–	–
Derivative financial instruments ⁽³⁾	15,760	12,582	–	12,582	–	15,240	3,178
Liabilities related to transferred receivables	28,377	–	–	–	–	–	–
Other liabilities	8,686	10,916	–	–	–	–	10,916
	101,873	74,756	–	52,967	–	26,113	14,094
Subordinated debt	1,258	1,258	–	–	–	–	1,258
Total liabilities	436,676	409,559	–	52,967	–	56,542	318,468

(1) The basis of consolidation used for financial accounting purposes, described in Note 1 to the audited annual consolidated financial statements for the year ended October 31, 2024, may differ from regulatory purposes. The regulatory consolidation does not include structured entities, where significant risk has been transferred to third parties nor subsidiaries and associates engaged in insurance activities.

(2) The sum of amounts in columns c to g may not equal the amounts in column b as some items may be subject to regulatory capital charges in more than one risk category.

(3) Derivatives financial instruments are subject to both counterparty credit risk and market risk frameworks.

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

(millions of Canadian dollars)

The following table provides information on the main sources of differences (other than due to different scopes of consolidation which are shown in table LI1) between the financial statements' carrying value amounts and the exposure amounts used for regulatory purposes.

		Q4 2024				
		a	b	c	d	e
		Total	Items subject to ⁽¹⁾ :			
			Credit risk framework	Securitization framework	Counterparty credit risk framework	Market risk framework
1	Asset carrying value amount under scope of regulatory consolidation (as per template LI1)	431,352	280,451	4,885	30,419	142,530
2	Liabilities carrying value amount under scope of regulatory consolidation (as per template LI1)	91,091	–	–	52,967	56,542
3	Total net amount under regulatory scope of consolidation	340,261	280,451	4,885	(22,548)	85,988
4	<i>Gross-up for repo-style transactions⁽²⁾</i>	80,770	–	–	80,770	–
5	<i>Potential future exposures (PFE)⁽³⁾</i>	15,670	–	–	15,670	–
6	<i>Off-balance sheet amounts⁽⁴⁾</i>	322,372	73,226	6,480	191,391	–
7	<i>Differences due to different netting rules, other than those already included in row 2 including collateral</i>	2,582	–	–	2,582	–
8	VaR amounts for Securities Financing Transactions (SFTs)	8,557	–	–	8,557	–
9	<i>Differences in valuations</i>	–	–	–	–	–
10	<i>Collateral for SFTs</i>	(242,603)	–	–	(242,603)	–
11	Exposure amounts considered for regulatory purposes⁽⁵⁾	527,609	353,677	11,365	33,819	85,988

(1) The sum of amounts in columns b to e may not equal the amounts in column a as some items may be subject to regulatory capital charges in more than one risk category.

(2) Liabilities for repo-style transactions represent regulatory exposures under the counterparty credit risk framework. As these liabilities are deducted from the carrying value of assets in line 2, a gross-up is required to arrive at the exposure amount considered for regulatory purposes.

(3) The PFE amount is presented after the alpha of 1.4.

(4) Original off-balance sheet amounts are presented in column a while in columns b through e exposures are after application of credit conversion factors (CCFs).

(5) The aggregate amount considered as a starting point of the RWA calculation.

CC1 – Composition of Regulatory Capital

(millions of Canadian dollars)

		2024				2023	
		Q4	Q3	Q2	Q1	Q4	
		Reference ⁽¹⁾					
Common Equity Tier 1 capital: instruments and reserves							
1	Directly issued qualifying common share capital plus related contributed surplus ⁽²⁾	a + a'	3,548	3,511	3,477	3,410	3,362
2	Retained earnings	b	18,633	18,234	17,368	17,042	16,744
3	Accumulated other comprehensive income and other reserves	c	219	266	334	297	420
4	Directly issued capital subject to phase out from CET1 (only applicable to non-joint stock companies)						
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	d	–	–	–	–	–
6	Common Equity Tier 1 capital before regulatory adjustments		22,400	22,011	21,179	20,749	20,526
Regulatory adjustments to Common Equity Tier 1 capital							
7	Prudential valuation adjustments		–	–	–	–	–
8	Goodwill (net of related tax liability)	e - w	(1,627)	(1,624)	(1,622)	(1,617)	(1,624)
9	Other intangible other than mortgage-servicing rights (net of related tax liability)	f - x	(1,029)	(1,033)	(1,049)	(1,051)	(1,070)
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liability)	g	(79)	(90)	(69)	(67)	(64)
11	Accumulated other comprehensive income related to cash flow hedges	h	77	1	(93)	(149)	(146)
12	Shortfall of provisions to expected losses	i	–	–	–	–	–
13	Securitization gain on sale		–	–	–	–	–
14	Gains (losses) due to changes in own credit risk on fair valued liabilities	j	(62)	(140)	(87)	(242)	(462)
15	Defined benefit pension fund net assets (net of related tax liability)	k - y	(327)	(414)	(245)	(266)	(235)
16	Investments in own shares (if not already netted off contributed surplus on reported balance sheet)		(26)	–	–	–	–
17	Reciprocal cross holdings in common equity		–	–	–	–	–
18	Non-significant investments in capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)	l	–	–	–	–	–
19	Significant investments in the common stock of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions (amount above 10% threshold)	m	–	–	–	–	–
20	Mortgage servicing rights (amount above 10% threshold)		–	–	–	–	–
21	Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability)		–	–	–	–	–
22	Amount exceeding the 15% threshold		–	–	–	–	–
23	Of which: significant investments in the common stock of financials	n	–	–	–	–	–
24	Of which: mortgage servicing rights		–	–	–	–	–
25	Of which: deferred tax assets arising from temporary differences	o	–	–	–	–	–
26	Other deductions or regulatory adjustments to CET1 as determined by OSFI		(6)	(6)	(5)	(7)	(5)
27	Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 and Tier 2 to cover deductions		–	–	–	–	–
28	Total regulatory adjustments to Common equity Tier 1		(3,079)	(3,306)	(3,170)	(3,399)	(3,606)
29	Common Equity Tier 1 capital (CET1)		19,321	18,705	18,009	17,350	16,920
Additional Tier 1 capital: instruments							
30	Directly issued qualifying Additional Tier 1 instruments plus related contributed surplus ⁽²⁾		3,150	3,150	3,150	3,150	3,150
31	Of which: classified as equity under applicable accounting standards	v + z	3,150	3,150	3,150	3,150	3,150
32	Of which: classified as liabilities under applicable accounting standards	p	–	–	–	–	–
33	Directly issued capital instruments subject to phase out from Additional Tier 1		–	–	–	–	–
34	Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group AT1)	q	–	–	–	–	–
35	Of which: instruments issued by subsidiaries subject to phase out		–	–	–	–	–
36	Additional Tier 1 capital before regulatory adjustments		3,150	3,150	3,150	3,150	3,150

(1) Reconciliation with Balance Sheet is presented on pages 16 and 17.

(2) A complete list of capital instruments and their main features is now available on the Bank's website at nbc.ca under *About us > Investors > Capital and debt > Regulatory Capital Features*.

CC1 – Composition of Regulatory Capital (continued)

(millions of Canadian dollars)

		2024				2023	
		Q4	Q3	Q2	Q1	Q4	
		Reference ⁽¹⁾					
Additional Tier 1 capital: regulatory adjustments							
37	Investments in own Additional Tier 1 instruments		(1)	–	–	(2)	(2)
38	Reciprocal cross holdings in Additional Tier 1 instruments		–	–	–	–	–
39	Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)		–	–	–	–	–
40	Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions		–	–	–	–	–
41	Other deductions from Tier 1 capital as determined by OSFI		–	–	–	–	–
42	Regulatory adjustments applied to Additional Tier 1 due to insufficient Tier 2 to cover deductions		–	–	–	–	–
43	Total regulatory adjustments to Additional Tier 1 capital		(1)	–	–	(2)	(2)
44	Additional Tier 1 capital (AT1)		3,149	3,150	3,150	3,148	3,148
45	Tier 1 capital (T1 = CET1 + AT1)		22,470	21,855	21,159	20,498	20,068
Tier 2 capital: instruments and allowances							
46	Directly issued qualifying Tier 2 instruments plus related contributed surplus ⁽²⁾	r	1,250	1,250	1,250	750	750
47	Directly issued capital instruments subject to phase out from Tier 2						
48	Tier 2 instruments (and CET1 and AT1 instruments not included in rows 5 or 34) issued by subsidiaries and held by third parties (amount allowed in group Tier 2)	s	–	–	–	–	–
49	Of which: instruments issued by subsidiaries subject to phase out						
50	Allowances for credit losses	t	308	339	326	245	304
51	Tier 2 capital before regulatory adjustments		1,558	1,589	1,576	995	1,054
Tier 2 capital: regulatory adjustments							
52	Investments in own Tier 2 instruments		–	–	–	–	–
53	Reciprocal cross holdings in Tier 2 instruments and Other TLAC-eligible instruments		–	–	–	–	–
54	Non-significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation, where the institution does not own more than 10% of the issued common share capital of the entity (amount above 10% threshold)		(27)	(12)	(33)	(70)	(66)
54a	Non-significant investments in the other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs, where the institution does not own more than 10% of the issued common share capital of the entity: amount previously designated for the 5% threshold but no longer meets the conditions		(27)	(12)	(33)	(70)	(66)
55	Significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation		–	–	–	–	–
56	Other deductions from Tier 2 capital		–	–	–	–	–
57	Total regulatory adjustments to Tier 2 capital		(27)	(12)	(33)	(70)	(66)
58	Tier 2 capital (T2)		1,531	1,577	1,543	925	988
59	Total capital (TC = T1 + T2)		24,001	23,432	22,702	21,423	21,056

(1) Reconciliation with Balance Sheet is presented on pages 16 and 17.

(2) A complete list of capital instruments and their main features is now available on the Bank's website at nbc.ca under *About us > Investors > Capital and debt > Regulatory Capital Features*.

CC1 – Composition of Regulatory Capital (continued)

(millions of Canadian dollars)

		2024				2023
		Q4	Q3	Q2	Q1	Q4
60	Total risk-weighted assets	140,975	138,918	136,115	132,370	125,592
60a	Credit Valuation Adjustment (CVA) Risk-weighted assets (RWA)	989	1,086	885	870	2,181
Capital ratios						
61	Common Equity Tier 1 (as a percentage of risk weighted assets)	13.7%	13.5%	13.2%	13.1%	13.5%
62	Tier 1 (as a percentage of risk weighted assets)	15.9%	15.7%	15.5%	15.5%	16.0%
63	Total capital (as a percentage of risk weighted assets)	17.0%	16.9%	16.7%	16.2%	16.8%
64	Institution-specific buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer requirement plus D-SIB buffer requirement expressed as a percentage of risk weighted assets)	8.0%	8.0%	8.0%	8.0%	8.0%
65	Of which: capital conservation buffer requirement	2.5%	2.5%	2.5%	2.5%	2.5%
66	Of which: bank-specific countercyclical buffer	0.0%	0.0%	0.0%	0.0%	0.0%
67	Of which: G-SIB buffer requirement	n.a.	n.a.	n.a.	n.a.	n.a.
67a	Of which: D-SIBs buffer requirement	1.0%	1.0%	1.0%	1.0%	1.0%
68	Common Equity Tier 1 available to meet buffers (as a percentage of risk weighted assets)	8.3%	8.1%	7.9%	7.3%	7.8%
OSFI target (minimum + capital conservation buffer + D-SIB buffer)⁽¹⁾						
69	Common Equity Tier 1 target ratio	8.0%	8.0%	8.0%	8.0%	8.0%
70	Tier 1 capital target ratio	9.5%	9.5%	9.5%	9.5%	9.5%
71	Total capital target ratio	11.5%	11.5%	11.5%	11.5%	11.5%
Amounts below the thresholds for deduction (before risk weighting)						
72	Non-significant investments in the capital and other TLAC-eligible instruments of other financials entities	1,104	1,558	1,541	1,743	1,801
73	Significant investments in the common stock of financials	581	580	546	493	553
74	Mortgage servicing rights (net of related tax liability)	–	–	–	–	–
75	Deferred tax assets arising from temporary differences (net of related tax liabilities)	655	531	539	520	487
Applicable caps on the inclusion of allowances in Tier 2						
76	Allowance eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)	140	121	114	98	96
77	Cap on inclusion of allowances in Tier 2 under standardized approach	440	430	413	388	395
78	Allowance eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (IRB) (prior to application of cap)	168	218	212	147	208
79	Cap on inclusion of allowances in Tier 2 under internal ratings-based approach	499	494	478	467	453

(1) Does not include the domestic stability buffer.

CC2 – Reconciliation of Regulatory Capital to Balance Sheet⁽¹⁾

(millions of Canadian dollars)

	Q4 2024		
	Cross - Reference to Definition of Capital ⁽²⁾	As in Report to Shareholders	Under scope of regulatory consolidation
Assets			
Cash and deposits with financial institutions		31,549	31,549
Securities		145,165	154,428
Non-significant investments in capital of other financial institutions reflected in regulatory capital	l	–	–
Other securities		145,165	154,428
Assets purchased under reverse repurchase agreements and securities borrowed		16,265	15,915
Loans			
Residential mortgage		95,009	56,458
Personal		46,883	46,883
Credit card		2,761	2,761
Business and government		99,720	99,720
Customers' liability under acceptances		–	–
Less: Allowances for credit losses		(1,341)	(1,341)
Allowance reflected in Tier 2 regulatory capital	t	–	(302)
Shortfall of allowances to expected loss	i	–	–
Allowances not reflected in regulatory capital		–	(1,039)
Other assets			
Derivative financial instruments		12,309	14,504
Other		13,906	14,232
Goodwill	e	1,522	1,627
Intangibles assets	f	1,233	1,233
Deferred tax assets		828	1,158
Deferred tax assets excluding those arising from temporary differences	g	–	79
Deferred tax assets arising from temporary differences exceeding regulatory thresholds	o	–	–
Deferred tax assets - realize through loss carrybacks		–	424
Deferred tax assets - other temporary differences		–	655
Defined-benefit pension fund net assets	k	–	453
Significant investments in other financial institutions		–	581
Significant investments exceeding regulatory thresholds	m + n	–	–
Significant investments not exceeding regulatory thresholds		–	581
Other		10,323	9,180
Total assets		462,226	435,109

(1) The basis of consolidation used for financial accounting purposes, described in Note 1 to the audited annual consolidated financial statements for the year ended October 31, 2024, may differ from regulatory purposes. The regulatory consolidation does not include structured entities, where significant risk has been transferred to third parties nor subsidiaries and associates engaged in insurance activities. As at October 31, 2024, on a legal entity basis, National Bank Life Insurance Company had \$342 million in assets and \$311 million in equity, Natcan Insurance Company SCC had \$141 million in assets and \$103 million in equity.

(2) The references identify balance sheet components which are used in calculation of regulatory capital on pages 13 and 14.

CC2 – Reconciliation of Regulatory Capital to Balance Sheet⁽¹⁾ (continued)

(millions of Canadian dollars)

	Q4 2024		
	Cross - Reference to Definition of Capital ⁽²⁾	As in Report to Shareholders	Under scope of regulatory consolidation
Liabilities			
Deposits		333,545	333,545
Derivatives financials instruments		15,760	12,582
Other liabilities		86,113	62,174
Gains and losses due to changes in own credit risk on fair value liabilities	j	–	62
Deferred tax liabilities		(69)	(69)
Related to goodwill	w	–	–
Related to intangibles	x	–	204
Related to pensions	y	–	126
Other deferred tax liabilities		–	(399)
Other		86,182	62,181
Subordinated debt		1,258	1,258
Regulatory capital amortization of maturing debentures		–	–
Fair value adjustment and unamortized issuance cost		–	8
Subordinated debentures not allowed for regulatory capital	s	–	–
Subordinated debentures used for regulatory capital		–	1,250
Allowed for inclusion in Tier 2 capital	r	–	1,250
Total liabilities		436,676	409,559
Equity Attributable to Shareholders and holders of other equity instruments		25,550	25,550
Common shares	a	3,463	3,463
Contributed surplus	a'	85	85
Retained earnings	b	18,633	18,633
Accumulated Other Comprehensive Income (loss)	c	219	219
Net gains (losses) on instruments designated as cash flow hedges	h	(77)	(77)
Net foreign currency translation adjustments		320	320
Other		(24)	(24)
Preferred shares and other equity instruments		3,150	3,150
Of which: are qualifying	v	–	3,150
Non-controlling interest		–	–
Innovative instruments		–	–
Of which: are qualifying		–	–
Other		–	–
Portion allowed for inclusion into CET1	d	–	–
Portion allowed for inclusion into Tier 1 capital	q	–	–
Portion allowed for inclusion into Tier 2 capital	s	–	–
Portion not allowed for regulatory capital		–	–
Total Equity		25,550	25,550
Total Liabilities and Equity		462,226	435,109

(1) The basis of consolidation used for financial accounting purposes, described in Note 1 to the audited annual consolidated financial statements for the year ended October 31, 2024, may differ from regulatory purposes. The regulatory consolidation does not include structured entities, where significant risk has been transferred to third parties nor subsidiaries and associates engaged in insurance activities. As at October 31, 2024, on a legal entity basis, National Bank Life Insurance Company had \$342 million in assets and \$311 million in equity, Natcan Insurance Company SCC had \$141 million in assets and \$103 million in equity.

(2) The references identify balance sheet components which are used in calculation of regulatory capital on pages 13 and 14.

TLAC1 – TLAC Composition

(millions of Canadian dollars)

		2024				2023
		Q4	Q3	Q2	Q1	Q4
Regulatory capital elements of TLAC and adjustments						
1	Common Equity Tier 1 capital (CET1)	19,321	18,705	18,009	17,350	16,920
2	Additional Tier 1 capital (AT1) before TLAC adjustments	3,149	3,150	3,150	3,148	3,148
3	AT1 ineligible as TLAC as issued out of subsidiaries to third parties	-	-	-	-	-
4	Other adjustments	-	-	-	-	-
5	AT1 instruments eligible under the TLAC framework	3,149	3,150	3,150	3,148	3,148
6	Tier 2 capital (T2) before TLAC adjustments	1,531	1,577	1,543	925	988
7	Amortized portion of T2 instruments where remaining maturity > 1 year	-	-	-	-	-
8	T2 capital ineligible as TLAC as issued out of subsidiaries to third parties	-	-	-	-	-
9	Other adjustments	-	-	-	-	-
10	T2 instruments eligible under the TLAC framework	1,531	1,577	1,543	925	988
11	TLAC arising from regulatory capital	24,001	23,432	22,702	21,423	21,056
Non-regulatory capital elements of TLAC						
12	External TLAC instruments issued directly by the bank and subordinated to excluded liabilities	-	-	-	-	-
13	External TLAC instruments issued directly by the bank which are not subordinated to excluded liabilities but meet all other TLAC term sheet requirements ⁽¹⁾	20,137	17,914	18,447	15,809	15,800
14	Of which: amount eligible as TLAC after application of the caps	-	-	-	-	-
15	External TLAC instruments issued by funding vehicles prior to January 1, 2022	-	-	-	-	-
16	Eligible ex ante commitments to recapitalize a G-SIB in resolution	-	-	-	-	-
17	TLAC arising from non-regulatory capital instruments before adjustments	20,137	17,914	18,447	15,809	15,800
Non-regulatory capital elements of TLAC: adjustments						
18	TLAC before deductions	44,138	41,346	41,149	37,232	36,856
19	Deductions of exposures between MPE resolution groups that correspond to items eligible for TLAC (not applicable to SPE G-SIBs and D-SIBs)	-	-	-	-	-
20	Deduction of investments in own other TLAC liabilities	(98)	(51)	(54)	(70)	(124)
21	Other adjustments to TLAC	-	-	-	-	-
22	TLAC available after deductions	44,040	41,295	41,095	37,162	36,732
Risk-weighted assets and leverage exposure measure for TLAC purposes						
23	Total risk-weighted assets adjusted as permitted under the TLAC regime	140,975	138,918	136,115	132,370	125,592
24	Leverage exposure measure	511,160	499,963	484,467	478,484	456,478
TLAC ratios and buffers						
25	TLAC ratio (as a percentage of risk-weighted assets adjusted as permitted under the TLAC regime)	31.2%	29.7%	30.2%	28.1%	29.2%
26	TLAC Leverage ratio (as a percentage of leverage exposure)	8.6%	8.3%	8.5%	7.8%	8.0%
27	CET1 (as a percentage of risk-weighted assets) available after meeting the resolution group's minimum capital and TLAC requirements	8.3%	8.1%	7.9%	7.3%	7.8%
28	Institution-specific buffer requirement (capital conservation buffer plus countercyclical buffer plus higher loss absorbency, expressed as a percentage of risk-weighted assets)	3.5%	3.5%	3.5%	3.5%	3.5%
29	Of which: capital conservation buffer	2.5%	2.5%	2.5%	2.5%	2.5%
30	Of which: bank specific countercyclical buffer	0.0%	0.0%	0.0%	0.0%	0.0%
31	Of which: D-SIB \ G-SIB buffer	1.0%	1.0%	1.0%	1.0%	1.0%

(1) A complete list of External TLAC instruments and their main features is now available on the Bank's website at nbc.ca under *About us > Investors > Capital and debt > Regulatory Capital Features*.

TLAC3 – Creditor Ranking at Legal Entity Level⁽¹⁾

(millions of Canadian dollars)

		Q4 2024						Q3 2024					
		Creditor ranking					Sum (1 to 5)	Creditor ranking					Sum (1 to 5)
		1	2	3	4 ⁽²⁾	5 ⁽³⁾		1	2	3	4 ⁽²⁾	5 ⁽³⁾	
		Most junior			Most senior			Most junior			Most senior		
1	Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt	Other liabilities excluding Bail-in debt		Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt	Other liabilities excluding Bail-in debt	
2	Total capital and liabilities net of credit risk mitigation	3,463	3,150	1,250	24,772	–	32,635	3,442	3,150	1,250	25,658	–	33,500
3	Subset of row 2 that are excluded liabilities	–	–	–	4,733	–	4,733	–	–	–	7,795	–	7,795
4	Total capital and liabilities less excluded liabilities (row 2 minus row 3)	3,463	3,150	1,250	20,039	–	27,902	3,442	3,150	1,250	17,863	–	25,705
5	Subset of row 4 that are potentially eligible as TLAC	3,463	3,150	1,250	20,039	–	27,902	3,442	3,150	1,250	17,863	–	25,705
6	Subset of row 5 with 1 year ≤ residual maturity < 2 years	–	–	–	4,228	–	4,228	–	–	–	3,463	–	3,463
7	Subset of row 5 with 2 years ≤ residual maturity < 5 years	–	–	–	13,350	–	13,350	–	–	–	11,956	–	11,956
8	Subset of row 5 with 5 years ≤ residual maturity < 10 years	–	–	1,250	128	–	1,378	–	–	1,250	130	–	1,380
9	Subset of row 5 residual maturity ≥ 10 years, but excluding perpetual securities	–	–	–	2,333	–	2,333	–	–	–	2,314	–	2,314
10	Subset of row 5 that is perpetual securities	3,463	3,150	–	–	–	6,613	3,442	3,150	–	–	–	6,592

		Q2 2024						Q1 2024					
		Creditor ranking					Sum (1 to 5)	Creditor ranking					Sum (1 to 5)
		1	2	3	4 ⁽²⁾	5 ⁽³⁾		1	2	3	4 ⁽²⁾	5 ⁽³⁾	
		Most junior			Most senior			Most junior			Most senior		
1	Description of creditor ranking	Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt	Other liabilities excluding Bail-in debt		Common shares	Preferred shares and other equity instruments	Subordinated debt	Bail-in debt	Other liabilities excluding Bail-in debt	
2	Total capital and liabilities net of credit risk mitigation	3,413	3,150	1,250	23,944	–	31,757	3,347	3,150	750	21,026	–	28,273
3	Subset of row 2 that are excluded liabilities	–	–	–	5,551	–	5,551	–	–	–	5,287	–	5,287
4	Total capital and liabilities less excluded liabilities (row 2 minus row 3)	3,413	3,150	1,250	18,393	–	26,206	3,347	3,150	750	15,739	–	22,986
5	Subset of row 4 that are potentially eligible as TLAC	3,413	3,150	1,250	18,393	–	26,206	3,347	3,150	750	15,739	–	22,986
6	Subset of row 5 with 1 year ≤ residual maturity < 2 years	–	–	–	4,872	–	4,872	–	–	–	5,181	–	5,181
7	Subset of row 5 with 2 years ≤ residual maturity < 5 years	–	–	–	10,350	–	10,350	–	–	–	7,459	–	7,459
8	Subset of row 5 with 5 years ≤ residual maturity < 10 years	–	–	1,250	865	–	2,115	–	–	750	848	–	1,598
9	Subset of row 5 residual maturity ≥ 10 years, but excluding perpetual securities	–	–	–	2,306	–	2,306	–	–	–	2,251	–	2,251
10	Subset of row 5 that is perpetual securities	3,413	3,150	–	–	–	6,563	3,347	3,150	–	–	–	6,497

(1) This table provides creditors of the legal entity National Bank of Canada with information regarding their ranking in its liabilities structure.

(2) Bail-in Debt is reflected as 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.

(3) OSFI doesn't require to complete this column at this time.

LR1 – Summary Comparison of Accounting Assets vs Leverage Ratio Exposure Measure

(millions of Canadian dollars)

		2024				2023
		Q4	Q3	Q2	Q1	Q4
Accounting assets vs leverage ratio exposure						
1	Total consolidated assets as per published financial statements	462,226	453,933	441,690	433,927	423,578
2	Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	90	119	105	61	46
3	Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transference	(49)	(49)	(49)	(49)	(49)
4	Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	–	–	–	–	–
5	Adjustment for derivative financial instruments ⁽¹⁾	6,750	3,537	4,684	4,917	(2,541)
6	Adjustment for securities financing transactions (i.e. repos and similar secured lending) ⁽¹⁾	5,176	6,764	4,473	6,040	5,496
7	Adjustment for off-balance sheet items (i.e. conversion to credit equivalent amounts of off-balance sheet exposures)	44,682	42,955	41,246	40,319	38,911
8	Other adjustments	(7,715)	(7,296)	(7,682)	(6,731)	(8,963)
9	Leverage Ratio Exposure	511,160	499,963	484,467	478,484	456,478

(1) Adjustments due to differences between accounting and regulatory netting standards.

LR2 – Leverage Ratio Common Disclosure Template

(millions of Canadian dollars)

		2024				2023
		Q4	Q3	Q2	Q1	Q4
Leverage ratio common disclosure						
On-balance sheet exposures						
1	On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	433,693	429,655	408,009	410,386	394,799
2	Gross-up for derivatives collateral provided where deducted from balance sheet assets pursuant to the operative accounting framework (IFRS)	-	-	-	-	-
3	(Deductions of receivables assets for cash variation margin provided in derivative transactions)	(4,697)	(4,131)	(4,596)	(3,571)	(5,817)
4	(Asset amounts deducted in determining Tier 1 capital)	(3,018)	(3,167)	(3,085)	(3,160)	(3,148)
5	Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of rows 1 to 4)	425,978	422,357	400,328	403,655	385,834
Derivative exposures						
6	Replacement cost associated with all derivative transactions	4,569	3,083	4,499	3,402	4,665
7	Add-on amounts for PFE associated with all derivative transactions	14,152	10,799	12,172	11,732	10,000
8	(Exempted CCP leg of client-cleared trade exposures)	-	-	-	-	-
9	Adjusted effective notional amount of written credit derivatives	338	126	592	410	312
10	(Adjusted effective notional offsets and add-on deductions for written credit derivatives)	-	-	-	-	-
11	Total derivative exposures (sum of rows 6 to 10)	19,059	14,008	17,263	15,544	14,977
Securities financing transaction exposures						
12	Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	16,265	13,879	21,157	12,926	11,260
13	(Netted amounts of cash payables and cash receivables of gross SFT assets)	(1,476)	(1,347)	(1,889)	(721)	(1,282)
14	CCR exposure for SFTs	6,652	8,111	6,362	6,761	6,778
15	Agent transaction exposures	-	-	-	-	-
16	Total securities financing transaction exposures (sum of rows 12 to 15)	21,441	20,643	25,630	18,966	16,756
Other off-balance sheet exposures						
17	Off-balance sheet exposure at gross notional amount	130,533	127,872	124,455	122,041	118,847
18	(Adjustments for conversion to credit equivalent amounts)	(85,851)	(84,917)	(83,209)	(81,722)	(79,936)
19	Off-balance sheet items (sum of rows 17 and 18)	44,682	42,955	41,246	40,319	38,911
Capital and Total Exposures						
20	Tier 1 capital	22,470	21,855	21,159	20,498	20,068
21	Total Exposures (sum of rows 5, 11, 16 and 19)	511,160	499,963	484,467	478,484	456,478
Leverage Ratio						
22	Basel III leverage ratio	4.4%	4.4%	4.4%	4.3%	4.4%

CR1 – Credit Quality of Assets⁽¹⁾

(millions of Canadian dollars)

The following tables provide a comprehensive picture of the credit quality of the bank's (on- and off-balance sheet) assets.

		Q4 2024							Q3 2024								
		a	b	c	d		e	f	g	a	b	c	d		e	f	g
		Gross carrying values ⁽²⁾ of		Allowances for credit losses ⁽⁴⁾	Of which ECL accounting provisions for credit losses on SA exposures		Of which ECL accounting provisions for credit losses on IRB exposures	Net values (a+b-c)	Gross carrying values ⁽²⁾ of		Allowances for credit losses ⁽⁴⁾	Of which ECL accounting provisions for credit losses on SA exposures		Of which ECL accounting provisions for credit losses on IRB exposures	Net values (a+b-c)		
		Default exposures ⁽³⁾	Non-default exposures		Allocated in regulatory category of Specific	Allocated in regulatory category of General			Default exposures ⁽³⁾	Non-default exposures		Allocated in regulatory category of Specific	Allocated in regulatory category of General				
1	Loans ⁽⁵⁾	1,628	231,951	1,350	187	124	1,039	232,229	1,397	230,457	1,304	151	107	1,046	230,550		
2	Debt Securities	–	39,161	9	–	5	4	39,152	–	38,413	6	–	2	4	38,407		
3	Off-balance-sheet commitments ⁽⁶⁾	36	124,220	214	–	10	204	124,042	24	122,510	204	–	12	192	122,330		
4	Total	1,664	395,332	1,573	187	139	1,247	395,423	1,421	391,380	1,514	151	121	1,242	391,287		

		Q2 2024							Q1 2024								
		a	b	c	d		e	f	g	a	b	c	d		e	f	g
		Gross carrying values ⁽²⁾ of		Allowances for credit losses ⁽⁴⁾	Of which ECL accounting provisions for credit losses on SA exposures		Of which ECL accounting provisions for credit losses on IRB exposures	Net values (a+b-c)	Gross carrying values ⁽²⁾ of		Allowances for credit losses ⁽⁴⁾	Of which ECL accounting provisions for credit losses on SA exposures		Of which ECL accounting provisions for credit losses on IRB exposures	Net values (a+b-c)		
		Default exposures ⁽³⁾	Non-default exposures		Allocated in regulatory category of Specific	Allocated in regulatory category of General			Default exposures ⁽³⁾	Non-default exposures		Allocated in regulatory category of Specific	Allocated in regulatory category of General				
1	Loans ⁽⁵⁾	1,251	224,312	1,219	132	98	989	224,344	1,085	229,498	1,218	118	84	1,016	229,365		
2	Debt Securities	–	33,555	6	–	2	4	33,549	–	33,256	6	–	2	4	33,250		
3	Off-balance-sheet commitments ⁽⁶⁾	31	119,169	196	–	13	183	119,004	13	116,828	192	–	12	180	116,649		
4	Total	1,282	377,036	1,421	132	113	1,176	376,897	1,098	379,582	1,416	118	98	1,200	379,264		

(1) Excluding insurances subsidiaries and securitization exposures.

(2) Gross carrying values of on- and off-balance sheet items that give rise to a credit risk exposure according to the Basel framework (gross of CCF or CRM techniques).

(3) Definition of default as per the Capital Adequacy Requirements (CAR) guideline.

(4) Represent allowances for credit losses according to IFRS 9.

(5) Including deposits with financial institutions.

(6) For completeness purposes, revocable commitments are included.

CR2 – Changes in Stock of Defaulted Loans and Debt Securities

(millions of Canadian dollars)

The following table identifies the change in the bank's stock of defaulted exposures, the flows between non-defaulted and defaulted exposure categories and reductions in the stock of defaulted exposures due to write-offs.

		Q4 2024	Q3 2024	Q2 2024	Q1 2024
		a	a	a	a
1	Defaulted loans ⁽¹⁾ and debt securities at beginning	1,397	1,251	1,085	1,010
2	Loans and debt securities that have defaulted since the last reporting period	441	389	441	336
3	Returned to non-defaulted status since the last reporting period	(47)	(70)	(76)	(57)
4	Amounts written off	(114)	(67)	(146)	(94)
5	Other changes ⁽²⁾	(49)	(106)	(53)	(110)
6	Defaulted loans⁽¹⁾ and debt securities at end	1,628	1,397	1,251	1,085

(1) Including deposits with financial institutions.

(2) Including net repayments and foreign exchange movements.

CR3 – Credit Risk Mitigation Techniques - Overview

(millions of Canadian dollars)

The following tables disclose the extent of use of credit risk mitigation techniques.

		Q4 2024					Q3 2024				
		a	b	c	d	e	a	b	c	d	e
		Exposures unsecured: carrying amount ⁽¹⁾	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives	Exposures unsecured: carrying amount ⁽¹⁾	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives
1	Loans ⁽²⁾	141,772	91,651	88,522	3,038	–	139,580	92,168	88,852	3,128	–
2	Debt securities	39,161	–	–	–	–	38,413	–	–	–	–
3	Total	180,933	91,651	88,522	3,038	–	177,993	92,168	88,852	3,128	–
4	Of which: defaulted	1,348	181	130	42	–	1,175	147	105	34	–

		Q2 2024					Q1 2024				
		a	b	c	d	e	a	b	c	d	e
		Exposures unsecured: carrying amount ⁽¹⁾	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives	Exposures unsecured: carrying amount ⁽¹⁾	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives
1	Loans ⁽²⁾	138,462	87,019	83,780	3,086	–	142,932	87,635	84,842	2,670	–
2	Debt securities	33,555	–	–	–	–	33,256	–	–	–	–
3	Total	172,017	87,019	83,780	3,086	–	176,188	87,635	84,842	2,670	–
4	Of which: defaulted	1,013	159	110	39	–	724	151	114	33	–

(1) Carrying amounts of on-balance sheet exposures are net of all three ECL Stages.

(2) Including deposits with financial institutions.

Distribution of Gross Credit Risk Exposure (Non-Retail Portfolio by Industries)

(millions of Canadian dollars)

	2024																	
	Q4						Q3						Q2					
	EAD - Gross Exposure ⁽¹⁾																	
	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total
Non-Retail Portfolio																		
Agriculture	8,236	482	15	-	-	8,733	8,065	469	16	-	-	8,550	7,934	484	15	-	-	8,433
Oil & Gas	2,185	1,424	197	-	-	3,806	2,220	1,470	125	-	-	3,815	2,356	1,266	72	-	-	3,694
Mining	1,792	1,757	216	-	233	3,998	1,405	1,860	242	-	305	3,812	1,143	1,702	303	-	337	3,485
Utilities	12,962	6,983	3,416	-	-	23,361	13,021	7,529	3,047	-	-	23,597	13,269	6,870	3,085	-	-	23,224
<i>Utilities excluding Pipelines</i>	9,578	5,491	3,250	-	-	18,319	9,877	6,132	2,887	-	-	18,896	9,647	5,723	2,901	-	-	18,271
<i>Pipelines</i>	3,384	1,492	166	-	-	5,042	3,144	1,397	160	-	-	4,701	3,622	1,147	184	-	-	4,953
Construction Non-Real Estate ⁽²⁾	2,197	913	110	-	-	3,220	2,201	1,048	111	-	-	3,360	1,933	1,329	95	-	-	3,357
Manufacturing	7,579	3,525	555	-	-	11,659	7,518	3,447	555	1	-	11,521	7,278	3,625	269	10	-	11,182
Wholesale	2,908	1,068	53	-	-	4,029	3,012	1,096	72	-	-	4,180	3,053	1,147	68	-	-	4,268
Retail	4,103	1,280	52	-	-	5,435	3,887	1,322	49	-	-	5,258	3,786	1,340	47	-	-	5,173
Transportation	3,157	2,309	209	26	-	5,701	3,097	2,476	202	12	-	5,787	2,991	2,071	192	97	-	5,351
Communications	2,524	1,377	109	-	-	4,010	2,265	1,110	104	-	-	3,479	2,180	986	261	-	-	3,427
Financial Services	42,134	5,081	3,487	212,117	2,237	265,056	42,847	4,765	3,399	212,581	2,103	265,695	36,326	4,861	3,301	205,373	2,165	252,026
Real Estate and Construction																		
Real Estate ⁽³⁾	20,729	6,776	362	-	-	27,867	21,130	6,389	362	-	-	27,881	21,093	5,870	336	3	-	27,302
Professional Services	2,659	978	183	-	-	3,820	2,609	990	180	-	-	3,779	2,652	983	185	-	-	3,820
Education & Health Care	3,279	668	19	-	-	3,966	3,320	706	17	2	-	4,045	3,478	685	14	4	-	4,181
Other Services	7,708	2,183	532	589	32	11,044	7,553	2,067	540	2,365	31	12,556	7,173	2,163	521	1,790	16	11,663
Government	28,770	1,397	11	43,304	369	73,851	29,260	1,470	14	39,448	12	70,204	27,939	1,311	14	39,582	421	69,267
Other ⁽⁴⁾	17,656	797	1,270	5	3	19,731	16,566	820	1,444	2	2	18,834	16,314	810	1,226	3	1	18,354
Total – Non-retail⁽⁴⁾	170,578	38,998	10,796	256,041	2,874	479,287	169,976	39,034	10,479	254,411	2,453	476,353	160,898	37,503	10,004	246,862	2,940	458,207

(1) EAD amounts are after securitization and excluding trading related portfolio.

(2) Including civil engineering loans, public-private partnership loans, and project finance loans.

(3) Including residential mortgages on dwellings of five or more units.

(4) Excluding SME retail exposure.

Distribution of Gross Credit Risk Exposure (Non-Retail Portfolio by Industries) (continued)

(millions of Canadian dollars)

	2024						2023												
	Q1			Q4			Q3			Q2									
	EAD - Gross Exposure ⁽¹⁾																		
	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total	Drawn	Undrawn commitments	Other	Repo-style transactions	Derivatives financial instruments	Total	
Non-Retail Portfolio																			
Agriculture	7,779	459	11	-	-	8,249	7,636	498	5	-	-	8,139	7,729	660	8	-	-	8,397	
Oil & Gas	2,121	1,296	62	-	-	3,479	1,836	1,417	71	-	-	3,324	1,772	1,298	76	-	-	3,146	
Mining	1,127	1,567	291	-	312	3,297	1,163	1,542	268	-	385	3,358	1,083	1,412	268	-	354	3,117	
Utilities	12,755	7,253	3,063	-	-	23,071	12,749	5,889	3,036	-	-	21,674	11,578	5,401	2,590	-	-	19,569	
<i>Utilities excluding Pipelines</i>	9,414	5,965	2,863	-	-	18,242	9,277	4,734	2,898	-	-	16,909	8,118	3,994	2,463	-	-	14,575	
<i>Pipelines</i>	3,341	1,288	200	-	-	4,829	3,472	1,155	138	-	-	4,765	3,460	1,407	127	-	-	4,994	
Construction Non-Real Estate ⁽²⁾	1,888	1,281	82	-	-	3,251	1,973	1,183	95	-	-	3,251	2,153	1,139	99	-	-	3,391	
Manufacturing	7,048	3,339	273	11	-	10,671	6,670	3,409	339	9	-	10,427	6,728	3,054	334	-	-	10,116	
Wholesale	2,931	1,058	44	-	-	4,033	3,014	1,025	46	-	-	4,085	3,038	1,054	51	-	-	4,143	
Retail	4,026	1,280	40	-	-	5,346	3,631	1,376	41	-	-	5,048	3,507	1,143	33	-	-	4,683	
Transportation	2,793	1,901	182	313	-	5,189	2,641	1,997	157	747	-	5,542	2,395	1,970	142	758	1	5,266	
Communications	2,553	903	314	-	-	3,770	2,582	845	356	-	-	3,783	2,737	749	388	-	-	3,874	
Financial Services	44,827	4,506	3,422	179,090	1,328	233,173	44,926	4,240	1,888	164,428	2,523	218,005	41,628	4,600	1,252	159,185	757	207,422	
Real Estate and Construction																			
Real Estate ⁽³⁾	21,020	5,816	349	-	-	27,185	20,492	5,429	359	-	-	26,280	19,491	5,506	350	-	-	25,347	
Professional Services	2,485	1,032	187	-	-	3,704	2,760	913	200	-	-	3,873	2,495	863	202	-	-	3,560	
Education & Health Care	3,450	720	15	3	-	4,188	3,434	775	16	2	-	4,227	3,326	879	18	7	-	4,230	
Other Services	6,540	2,238	482	1,123	29	10,412	6,786	2,092	898	31	14	9,821	6,479	2,441	882	1,294	51	11,147	
Government	28,437	1,280	14	35,394	390	65,515	23,218	1,305	13	33,087	470	58,093	31,931	1,293	13	40,426	449	74,112	
Other	15,050	814	895	11	6	16,776	14,640	834	900	47	6	16,427	13,524	243	915	57	2	14,741	
Total – Non-retail⁽⁴⁾	166,830	36,743	9,726	215,945	2,065	431,309	160,151	34,769	8,688	198,351	3,398	405,357	161,594	33,705	7,621	201,727	1,614	406,261	

(1) EAD amounts are after securitization and excluding trading related portfolio.

(2) Including civil engineering loans, public-private partnership loans, and project finance loans.

(3) Including residential mortgages on dwellings of five or more units.

(4) Excluding SME retail exposure.

Net International Non-Retail Credit Risk Exposure at Default⁽¹⁾

(millions of Canadian dollars)

	2024									2023			
	Q4									Q3	Q2	Q1	Q4
	Asset Type					Client Type							
	Drawn	Undrawn commitments	Repo-style transactions ⁽²⁾	Derivatives financial instruments	Other off-balance sheet items ⁽³⁾	Corporate	Sovereign	Financial Institutions	Total	Total	Total	Total	Total
Europe ⁽⁴⁾	882	949	1,253	475	204	1,741	401	1,621	3,763	3,811	2,923	2,788	2,207
United Kingdom	1,098	73	1,449	2,165	–	621	94	4,070	4,785	3,075	3,086	3,783	3,608
Latin America	278	161	158	47	5	196	153	300	649	702	713	566	504
Asia	4,036	864	4,982	28	30	3,217	6,379	344	9,940	10,494	9,398	9,132	8,889
Other	265	27	304	195	6	228	265	304	797	828	736	586	297
Total⁽⁵⁾	6,559	2,074	8,146	2,910	245	6,003	7,292	6,639	19,934	18,910	16,856	16,855	15,505

(1) Exposure at default is the expected net exposure upon the default of an obligor. This amount is before any specific allowance or partial write-offs. For repo-style transactions and derivatives, the exposure presented is calculated as per the permitted regulatory approaches. These tables exclude equity exposures.

(2) Securities purchased under reverse repurchase agreements and sold under repurchase agreements as well as securities loaned and borrowed.

(3) Letters of guarantee, documentary letters of credit that represent the Bank's commitment to make payments in the event that a client cannot meet its financial obligations to third parties.

(4) Excluding United Kingdom.

(5) For drawn, undrawn commitments and other off-balance sheet items exposures, eligible financial collateral is taken into account in the Bank's Loss Given Default (LGD) models.

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

(millions of Canadian dollars)

The following tables illustrate the effect of CRM on standardized approach capital requirements' calculations. RWA density provides a synthetic metric on riskiness of each portfolio.

Assets classes		Q4 2024						Q3 2024					
		a	b	c	d	e	f	a	b	c	d	e	f
		Exposures before CCF and CRM		Exposures post-CCF and post-CRM		RWA and RWA density		Exposures before CCF and CRM		Exposures post-CCF and post-CRM		RWA and RWA density	
On-balance sheet amount		Off-balance sheet amount		On-balance sheet amount		Off-balance sheet amount		On-balance sheet amount		Off-balance sheet amount		RWA and RWA density	
1	Sovereigns and their central banks	3,303	173	3,104	173	1,389	42%	3,081	176	2,884	177	1,250	41%
2	Public sector entities (PSEs)	175	22	1,557	67	1	0%	139	23	1,577	64	1	0%
3	Multilateral development banks	354	-	772	-	-	0%	422	-	836	-	-	0%
4	Banks	4,307	904	4,303	904	3,269	63%	3,891	894	3,920	894	3,356	70%
	Of which: securities firms and other financial institutions treated as banks	-	561	143	561	641	91%	-	561	163	561	647	89%
5	Covered bonds	-	-	-	-	-	0%	-	-	-	-	-	0%
6	Corporates	8,231	185	6,293	185	6,287	97%	7,905	149	6,270	149	6,235	97%
	Of which: securities firms and other financial institutions treated as corporates	97	92	348	92	357	81%	117	41	341	41	310	81%
	Of which: specialised lending	-	-	-	-	-	0%	-	-	-	-	-	0%
7	Subordinated debt, equity and other capital	1,627	-	1,627	-	4,004	246%	1,634	-	1,634	-	4,017	246%
8	Retail	2,595	6	2,090	6	1,586	76%	2,629	59	2,111	59	1,643	76%
9	Real estate	16,707	444	15,924	399	8,054	49%	16,345	418	15,530	376	7,724	49%
	Of which: RRE	10,489	114	10,063	114	4,073	40%	10,367	106	9,845	106	3,883	39%
	Of which: IPRRE	563	-	412	-	274	67%	491	-	434	-	293	68%
	Of which: other RRE	-	-	-	-	-	0%	-	-	-	-	-	0%
	Of which: general CRE	5,435	285	5,435	285	3,686	64%	5,238	270	5,238	270	3,529	64%
	Of which: IPCRE	220	45	14	-	21	150%	249	42	13	-	19	146%
	Of which: land acquisition, development and construction	-	-	-	-	-	0%	-	-	-	-	-	0%
10	Reverse mortgages	300	8	171	8	77	43%	294	9	158	9	76	46%
11	Mortgage-backed securities	-	-	-	-	-	0%	-	-	-	-	-	0%
12	Defaulted exposures	386	-	394	-	395	100%	309	-	319	-	316	99%
13	Other assets ⁽²⁾	5,054	-	5,054	-	6,540	129%	5,162	-	5,162	-	6,242	121%
14	Total	43,039	1,742	41,289	1,742	31,602	73%	41,811	1,728	40,401	1,728	30,860	73%

(1) Excluding items subject to securitization and counterparty credit risk frameworks.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

(millions of Canadian dollars)

		Q2 2024						Q1 2024									
		a	b	c		d		e	f	a	b	c		d		e	f
		Exposures before CCF and CRM		Exposures post-CCF and post-CRM				RWA and RWA density		Exposures before CCF and CRM		Exposures post-CCF and post-CRM				RWA and RWA density	
Assets classes		On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density	RWA	RWA density	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density	RWA	RWA density
1	Sovereigns and their central banks	3,037	178	2,870	178	1,296	43%	2,853	174	2,671	174	1,077	38%				
2	Public sector entities (PSEs)	150	22	1,498	68	1	0%	115	23	1,308	80	1	0%				
3	Multilateral development banks	340	-	754	-	-	0%	342	-	746	-	-	0%				
4	Banks	3,540	806	3,586	806	3,003	68%	2,500	677	2,686	677	2,162	64%				
	Of which: securities firms and other financial institutions treated as banks	-	561	154	561	642	90%	-	561	119	561	624	92%				
5	Covered bonds	-	-	-	-	-	0%	-	-	-	-	-	0%				
6	Corporates	8,092	194	6,513	193	6,564	98%	8,442	214	6,151	214	6,236	98%				
	Of which: securities firms and other financial institutions treated as corporates	102	48	323	48	300	81%	839	23	311	23	262	78%				
	Of which: specialised lending	-	-	-	-	-	0%	-	-	-	-	-	0%				
7	Subordinated debt, equity and other capital	1,335	-	1,335	-	3,273	245%	1,300	-	1,300	-	3,185	245%				
8	Retail	2,618	54	2,073	54	1,610	76%	2,713	55	2,184	55	1,693	76%				
9	Real estate	15,946	397	15,200	353	7,510	48%	15,229	365	14,608	308	7,112	48%				
	Of which: RRE	10,075	103	9,628	103	3,786	39%	9,696	92	9,437	92	3,686	39%				
	Of which: IPRRE	467	-	452	-	298	66%	508	-	432	-	276	64%				
	Of which: other RRE	-	-	-	-	-	0%	-	-	-	-	-	0%				
	Of which: general CRE	5,108	250	5,108	250	3,408	64%	4,728	216	4,728	216	3,133	63%				
	Of which: IPCRE	296	44	12	-	18	150%	297	57	11	-	17	155%				
	Of which: land acquisition, development and construction	-	-	-	-	-	0%	-	-	-	-	-	0%				
10	Reverse mortgages	304	11	163	10	77	45%	311	10	170	10	80	44%				
11	Mortgage-backed securities	-	-	-	-	-	0%	-	-	-	-	-	0%				
12	Defaulted exposures	269	-	279	-	277	99%	239	-	248	-	243	98%				
13	Other assets ⁽²⁾	4,727	-	4,727	-	6,186	131%	4,565	-	4,565	-	5,935	130%				
14	Total	40,358	1,662	38,998	1,662	29,797	73%	38,609	1,518	36,637	1,518	27,724	73%				

(1) Excluding items subject to securitization and counterparty credit risk frameworks.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

(millions of Canadian dollars)

The following tables present the breakdown of credit risk exposures under the standardized approach by asset class and risk weight (corresponding to the riskiness attributed to the exposure according to standardized approach).

		Q4 2024												
		a	b	c	d	e	f	g	h	i	j	k	l	m
Risk weight		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%
Asset classes														
1	Sovereigns and their central banks	1,888		-						-				
2	Public sector entities (PSEs)	1,621		3						-				
3	Multilateral development banks	772		-						-				
4	Banks			1,239		1,235		-		164				
	Of which: securities firms and other financial institutions treated as banks			-		-		-		125				
5	Covered bonds			-		-		-		-				
6	Corporates			-						79			-	
	Of which: securities firms and other financial institutions treated as corporates			-						79			-	
	Of which: specialised lending			-						-				
7	Subordinated debt, equity and other capital													
8	Retail		-											
9	Real estate			4,808	1,073	809	887	68	83	86	-	4,965	-	23
	Of which: general residential real estate (RRE)			4,808	1,073	757	832	68		7				23
	Of which: income-producing residential real estate (IPPRE)					52	55		83	79		9		
	Of which: other residential real estate (other RRE)					-	-		-			-		
	Of which: general commercial real estate (general CRE)			-								4,956	-	
	Of which: income-producing commercial real estate (IPCRE)													-
	Of which: land acquisition, development and construction													
10	Reverse mortgages					36	90		19			19		
11	Mortgage-backed securities			-	-	-	-	-	-	-		-	-	-
12	Defaulted exposures													
13	Other assets ⁽²⁾	1,750		13										
14	Total	6,031	-	6,063	1,073	2,080	977	68	102	329	-	4,984	-	23

(1) Excluding items subject to securitization and counterparty credit risk frameworks. In the wholesale portfolio, for sovereign and their central banks, financial institutions and corporate asset classes, risk weights are based on, if available, external credit ratings issued by independent rating agencies (Moody's, Standard & Poor's, Fitch or DBRS) approved by our supervisor, OSFI.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

(millions of Canadian dollars)

Asset classes		Q4 2024													Total credit exposures amount (post-CCF and post-CRM)
		n	o	p	q	r	s	t	u	v	w	x	y	z	
Risk weight		75%	80%	85%	90%	100%	105%	110%	130%	150%	250%	400%	1250%	Others	
1	Sovereigns and their central banks					1,389				-				-	3,277
2	Public sector entities (PSEs)					-				-				-	1,624
3	Multilateral development banks													-	772
4	Banks					2,551								18	5,207
	Of which: securities firms and other financial institutions treated as banks					561								18	704
5	Covered bonds													-	-
6	Corporates	172	-	713		5,514								-	6,478
	Of which: securities firms and other financial institutions treated as corporates	172				189								-	440
	Of which: specialised lending													-	-
7	Subordinated debt, equity and other capital					45					1,582			-	1,627
8	Retail	2,096												-	2,096
9	Real estate	1,790				274	6			183				1,268	16,323
	Of which: general residential real estate (RRE)	1,394												1,215	10,177
	Of which: income-producing residential real estate (IPPRE)						6			75				53	412
	Of which: other residential real estate (other RRE)														-
	Of which: general commercial real estate (general CRE)	396				274				94					5,720
	Of which: income-producing commercial real estate (IPCRE)									14					14
	Of which: land acquisition, development and construction														-
10	Reverse mortgages					15									179
11	Mortgage-backed securities														-
12	Defaulted exposures					366				28					394
13	Other assets ⁽²⁾					3,291								-	5,054
14	Total	4,058	-	713	-	13,445	6	-	-	211	1,582	-	-	1,286	43,031

Risk weight		Q4 2024			
		a	b	c	d
		On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted average CCF ⁽³⁾	Exposure (post-CCF and post-CRM)
1	Less than 40%	13,859	525	34%	16,224
2	40-70%	5,159	327	52%	5,506
3	75-80%	4,501	6	38%	4,058
4	85%	713	-	0%	713
5	90-100%	16,587	839	45%	14,731
6	105-130%	6	-	0%	6
7	150%	526	45	40%	211
8	250%	1,582	-	0%	1,582
9	400%	-	-	0%	-
10	1250%	-	-	0%	-
11	Total exposures	42,933	1,742	40%	43,031

(1) Excluding items subject to securitization and counterparty credit risk frameworks. In the wholesale portfolio, for sovereign and their central banks, financial institutions and corporate asset classes, risk weights are based on, if available, external credit ratings issued by independent rating agencies (Moody's, Standard & Poor's, Fitch or DBRS) approved by our supervisor, OSFI.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

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

(millions of Canadian dollars)

		Q3 2024												
		a	b	c	d	e	f	g	h	i	j	k	l	m
Risk weight		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%
Asset classes		0%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%
1	Sovereigns and their central banks	1,811		-						-				
2	Public sector entities (PSEs)	1,639		2						-				
3	Multilateral development banks	836		-		-				-				
4	Banks			853		997		-		124				
	Of which: securities firms and other financial institutions treated as banks			-		-		-		122				
5	Covered bonds			-		-		-		-				
6	Corporates			-						62			-	
	Of which: securities firms and other financial institutions treated as corporates			-						62			-	
	Of which: specialised lending			-						-				
7	Subordinated debt, equity and other capital													
8	Retail		-											
9	Real estate			4,721	1,057	806	910	73	93	92	-	4,811	-	22
	Of which: general residential real estate (RRE)			4,721	1,057	762	856	73		8				22
	Of which: income-producing residential real estate (IPPRE)					44	54		93	84		9		
	Of which: other residential real estate (other RRE)					-	-		-			-		
	Of which: general commercial real estate (general CRE)			-								4,802	-	
	Of which: income-producing commercial real estate (IPCRE)													-
	Of which: land acquisition, development and construction													
10	Reverse mortgages					27	87		13			22		
11	Mortgage-backed securities			-	-	-	-	-	-	-		-	-	-
12	Defaulted exposures													
13	Other assets ⁽²⁾	1,633		278										
14	Total	5,919	-	5,854	1,057	1,830	997	73	106	278	-	4,833	-	22

(1) Excluding items subject to securitization and counterparty credit risk frameworks. In the wholesale portfolio, for sovereign and their central banks, financial institutions and corporate asset classes, risk weights are based on, if available, external credit ratings issued by independent rating agencies (Moody's, Standard & Poor's, Fitch or DBRS) approved by our supervisor, OSFI.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

(millions of Canadian dollars)

Asset classes		Q3 2024													Total credit exposures amount (post-CCF and post-CRM)
		n	o	p	q	r	s	t	u	v	w	x	y	z	
Risk weight		75%	80%	85%	90%	100%	105%	110%	130%	150%	250%	400%	1250%	Others	
1	Sovereigns and their central banks					1,250									3,061
2	Public sector entities (PSEs)														1,641
3	Multilateral development banks														836
4	Banks					2,799								41	4,814
	Of which: securities firms and other financial institutions treated as banks					561								41	724
5	Covered bonds														
6	Corporates	163		750		5,444									6,419
	Of which: securities firms and other financial institutions treated as corporates	163				157									382
	Of which: specialised lending														
7	Subordinated debt, equity and other capital					45					1,589				1,634
8	Retail	2,170													2,170
9	Real estate	1,571				241	8			170				1,331	15,906
	Of which: general residential real estate (RRE)	1,182												1,270	9,951
	Of which: income-producing residential real estate (IPPRE)	1					8			80				61	434
	Of which: other residential real estate (other RRE)														
	Of which: general commercial real estate (general CRE)	388				241				77					5,508
	Of which: income-producing commercial real estate (IPCRE)									13					13
	Of which: land acquisition, development and construction														
10	Reverse mortgages					18									167
11	Mortgage-backed securities														
12	Defaulted exposures					294				25					319
13	Other assets ⁽²⁾					3,251									5,162
14	Total	3,904		750		13,342	8			195	1,589			1,372	42,129

Risk weight		Q3 2024			
		a	b	c	d
		On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted average CCF ⁽³⁾	Exposure (post-CCF and post-CRM)
1	Less than 40%	13,308	531	31%	15,657
2	40-70%	5,074	274	50%	5,312
3	75-80%	4,347	59	40%	3,965
4	85%	750		0%	750
5	90-100%	16,216	822	42%	14,653
6	105-130%	8		0%	8
7	150%	464	42	40%	195
8	250%	1,589		0%	1,589
9	400%			0%	
10	1250%			0%	
11	Total exposures	41,756	1,728	37%	42,129

(1) Excluding items subject to securitization and counterparty credit risk frameworks. In the wholesale portfolio, for sovereign and their central banks, financial institutions and corporate asset classes, risk weights are based on, if available, external credit ratings issued by independent rating agencies (Moody's, Standard & Poor's, Fitch or DBRS) approved by our supervisor, OSFI.

(2) For completeness purposes, row 13 "Other assets" is populated with all other assets except exposures that are subject to direct capital deductions, those that are treated in the off-balance sheet calculations and exposures below the threshold for deduction.

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

CR6 – IRB - Credit Risk Exposures by Portfolio and PD Range

(millions of Canadian dollars)

The following tables provide the main parameters used for the calculation of capital requirements for IRB models. The purpose of disclosing these parameters is to enhance the transparency of banks' RWA calculations and the reliability of regulatory measures.

Q4 2024													
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses
Residential Mortgages and HELOCs – insured	0.00 to < 0.15	1,090	–	0%	1,090	0.08%	43,669	19.2%		32	3.0%	–	
	0.15 to < 0.25	316	–	0%	316	0.20%	10,644	20.1%		14	4.4%	–	
	0.25 to < 0.50	395	–	0%	395	0.35%	12,577	20.8%		23	5.8%	–	
	0.50 to < 0.75	213	–	0%	213	0.62%	4,271	21.2%		16	7.6%	–	
	0.75 to < 2.50	663	–	0%	663	1.33%	6,291	18.6%		66	9.9%	2	
	2.50 to < 10.00	182	–	0%	182	4.56%	2,529	8.5%		22	12.1%	1	
	10.00 to < 100.00	40	–	0%	40	14.94%	686	4.4%		6	14.7%	–	
	100.00 (Default)	19	–	0%	19	100.00%	229	3.7%		4	22.1%	–	
Sub-total	2,918	–	0%	2,918	1.57%	80,896	18.5%		183	6.3%	3	7	
Residential Mortgages and HELOCs – uninsured	0.00 to < 0.15	45,928	21,966	35%	53,534	0.07%	252,458	21.4%		2,062	3.9%	8	
	0.15 to < 0.25	7,544	1,445	37%	8,085	0.19%	29,006	24.9%		803	9.9%	4	
	0.25 to < 0.50	6,085	727	51%	6,458	0.35%	23,024	24.2%		938	14.5%	5	
	0.50 to < 0.75	2,188	169	57%	2,284	0.61%	8,374	24.1%		499	21.8%	3	
	0.75 to < 2.50	3,378	222	59%	3,508	1.29%	13,485	23.2%		1,195	34.1%	11	
	2.50 to < 10.00	1,269	44	72%	1,301	4.70%	5,092	22.3%		905	69.5%	14	
	10.00 to < 100.00	282	1	279%	285	16.96%	1,192	22.7%		340	119.5%	11	
	100.00 (Default)	113	3	50%	115	100.00%	635	23.3%		264	229.8%	6	
Sub-total	66,787	24,577	36%	75,570	0.47%	333,266	22.2%		7,006	9.3%	62	70	
Qualifying revolving retail	0.00 to < 0.15	952	11,446	72%	9,211	0.09%	887,852	81.0%		399	4.3%	7	
	0.15 to < 0.25	278	1,139	77%	1,156	0.19%	142,737	86.5%		104	9.0%	2	
	0.25 to < 0.50	372	1,638	80%	1,687	0.34%	258,087	87.1%		236	14.0%	5	
	0.50 to < 0.75	215	378	83%	528	0.62%	65,003	84.8%		118	22.5%	3	
	0.75 to < 2.50	678	649	94%	1,285	1.44%	179,862	87.0%		563	43.8%	17	
	2.50 to < 10.00	652	325	100%	1,094	4.72%	263,603	90.5%		1,135	103.8%	46	
	10.00 to < 100.00	161	50	107%	214	23.21%	53,902	90.6%		499	232.9%	45	
	100.00 (Default)	27	–	0%	27	100.00%	4,486	72.2%		7	26.9%	19	
Sub-total	3,335	15,625	76%	15,202	1.09%	1,855,532	83.6%		3,061	20.1%	144	254	
Other retail	0.00 to < 0.15	1,120	2,700	62%	2,790	0.09%	74,860	51.2%		338	12.1%	1	
	0.15 to < 0.25	856	399	60%	1,095	0.20%	42,859	51.4%		234	21.4%	1	
	0.25 to < 0.50	1,959	343	59%	2,161	0.37%	102,754	59.1%		767	35.5%	5	
	0.50 to < 0.75	1,765	166	63%	1,869	0.62%	86,273	59.0%		896	47.9%	7	
	0.75 to < 2.50	5,687	342	74%	5,940	1.41%	264,945	58.0%		3,911	65.9%	51	
	2.50 to < 10.00	2,789	102	73%	2,864	4.31%	75,426	32.5%		1,340	46.8%	38	
	10.00 to < 100.00	280	23	53%	292	26.82%	11,009	50.2%		339	116.2%	38	
	100.00 (Default)	187	2	55%	188	100.00%	10,534	58.1%		240	127.5%	100	
Sub-total	14,643	4,077	63%	17,199	2.89%	668,660	52.3%		8,065	46.9%	241	225	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of retail accounts.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

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

(millions of Canadian dollars)

Q4 2024													
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses
Corporate	0.00 to < 0.15	1,517	1,678	98%	2,591	0.08%	1,006	30.4%	1.66	305	11.8%	1	
	0.15 to < 0.25	9,556	7,965	86%	15,702	0.20%	2,554	38.1%	1.93	4,342	27.6%	12	
	0.25 to < 0.50	10,850	4,913	85%	14,851	0.35%	2,268	33.9%	2.18	4,769	32.1%	17	
	0.50 to < 0.75	13,463	7,128	88%	19,549	0.53%	2,724	37.3%	2.13	9,034	46.2%	39	
	0.75 to < 2.50	26,647	10,886	89%	35,635	1.19%	12,319	34.8%	1.89	21,227	59.6%	146	
	2.50 to < 10.00	4,539	893	93%	5,171	4.37%	1,345	37.2%	1.51	4,900	94.7%	87	
	10.00 to < 100.00	420	51	96%	465	16.20%	101	38.5%	1.08	755	163.0%	30	
	100.00 (Default)	573	29	44%	599	100.00%	421	39.0%	1.10	1,416	236.0%	156	
Sub-total	67,565	33,543	88%	94,563	1.60%	22,738	35.8%	1.96	46,748	49.4%	488	564	
Sovereign	0.00 to < 0.15	61,919	7,126	96%	67,986	0.01%	583	10.6%	2.23	1,318	1.9%	1	
	0.15 to < 0.25	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	0.25 to < 0.50	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	0.50 to < 0.75	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	0.75 to < 2.50	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	2.50 to < 10.00	7	4	75%	10	7.63%	2	33.7%	1.00	12	117.0%	–	
	10.00 to < 100.00	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	100.00 (Default)	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
Sub-total	61,926	7,130	96%	67,996	0.01%	585	10.6%	2.23	1,330	2.0%	1	4	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of individual borrowers.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

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

(millions of Canadian dollars)

Q4 2024														
FIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l	
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses	
Corporate	0.00 to < 0.15	1,874	6,725	55%	6,388	0.08%	62	41.5%	1.70	1,237	19.4%	1		
	0.15 to < 0.25	4,667	11,920	93%	10,013	0.19%	143	38.6%	2.69	3,282	32.8%	6		
	0.25 to < 0.50	2,242	3,570	88%	3,816	0.35%	51	35.5%	2.38	1,481	38.8%	3		
	0.50 to < 0.75	1,038	2,435	85%	2,324	0.53%	44	34.1%	2.50	1,134	48.8%	3		
	0.75 to < 2.50	3,870	3,220	85%	4,943	1.12%	92	34.1%	2.37	3,023	60.9%	14		
	2.50 to < 10.00	216	206	96%	301	4.68%	8	33.7%	1.59	298	99.0%	2		
	10.00 to < 100.00	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	-	
	100.00 (Default)	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	-	
Sub-total		13,907	28,076	82%	27,785	0.43%	400	37.6%	2.34	10,455	37.6%	29	110	
Financial Institutions	0.00 to < 0.15	4,041	2,664	47%	5,737	0.06%	69	44.9%	1.33	982	17.1%	1		
	0.15 to < 0.25	263	613	98%	514	0.18%	24	44.3%	2.29	235	45.8%	-		
	0.25 to < 0.50	27	113	75%	85	0.34%	13	45.0%	1.13	48	56.8%	-		
	0.50 to < 0.75	-	103	97%	42	0.53%	5	45.0%	1.00	30	70.4%	-		
	0.75 to < 2.50	2	1	100%	2	1.69%	6	44.3%	1.00	2	91.3%	-		
	2.50 to < 10.00	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-		
	10.00 to < 100.00	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-		
	100.00 (Default)	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-		
Sub-total		4,333	3,494	58%	6,380	0.08%	117	44.8%	1.40	1,297	20.3%	1	13	
Total (all portfolio)		235,414	116,522	82%	307,613	0.84%	2,962,194	27.6%	2.09	78,145	30.4%	969	1,247	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of individual borrowers.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

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

(millions of Canadian dollars)

Q3 2024													
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses
Residential Mortgages and HELOCs – insured	0.00 to < 0.15	910	–	0%	910	0.08%	44,317	18.4%		27	3.0%	–	
	0.15 to < 0.25	239	–	0%	239	0.20%	10,716	17.2%		10	4.2%	–	
	0.25 to < 0.50	284	–	0%	284	0.35%	13,165	19.1%		17	5.9%	–	
	0.50 to < 0.75	154	–	0%	154	0.62%	4,457	19.1%		12	7.7%	–	
	0.75 to < 2.50	455	–	0%	455	1.30%	6,481	16.8%		43	9.5%	1	
	2.50 to < 10.00	145	–	0%	145	4.56%	2,622	7.6%		17	12.0%	–	
	10.00 to < 100.00	36	–	0%	36	15.77%	727	3.8%		5	14.0%	–	
	100.00 (Default)	19	–	0%	19	100.00%	240	3.6%		5	23.9%	2	
Sub-total	2,242	–	0%	2,242	1.80%	82,725	17.0%		136	6.1%	3	8	
Residential Mortgages and HELOCs – uninsured	0.00 to < 0.15	44,106	21,004	35%	51,384	0.07%	248,934	21.4%		1,976	3.8%	8	
	0.15 to < 0.25	7,421	1,353	38%	7,937	0.19%	28,715	25.1%		798	10.0%	4	
	0.25 to < 0.50	7,474	1,675	77%	8,768	0.34%	26,118	22.9%		1,186	13.5%	7	
	0.50 to < 0.75	2,076	179	53%	2,171	0.61%	8,345	24.4%		480	22.1%	3	
	0.75 to < 2.50	3,468	200	62%	3,592	1.26%	13,917	23.6%		1,223	34.0%	11	
	2.50 to < 10.00	1,180	43	68%	1,209	4.71%	4,965	22.5%		853	70.5%	13	
	10.00 to < 100.00	283	1	221%	286	16.84%	1,253	23.0%		345	120.8%	11	
	100.00 (Default)	111	3	66%	113	100.00%	618	22.6%		236	208.6%	7	
Sub-total	66,119	24,458	38%	75,460	0.47%	332,865	22.2%		7,097	9.4%	64	79	
Qualifying revolving retail	0.00 to < 0.15	991	11,740	72%	9,499	0.08%	961,204	81.7%		372	3.9%	6	
	0.15 to < 0.25	271	1,530	80%	1,489	0.20%	233,108	87.4%		141	9.5%	3	
	0.25 to < 0.50	363	819	80%	1,019	0.35%	126,967	84.9%		144	14.1%	3	
	0.50 to < 0.75	225	314	87%	497	0.62%	60,866	84.2%		111	22.3%	3	
	0.75 to < 2.50	732	533	104%	1,285	1.45%	183,865	87.4%		569	44.3%	17	
	2.50 to < 10.00	530	234	100%	849	4.39%	230,444	89.5%		825	97.2%	33	
	10.00 to < 100.00	110	34	89%	141	21.00%	37,911	88.9%		316	224.7%	26	
	100.00 (Default)	28	–	0%	28	100.00%	4,446	72.0%		5	18.3%	20	
Sub-total	3,250	15,204	76%	14,807	0.88%	1,838,811	83.6%		2,483	16.8%	111	245	
Other retail	0.00 to < 0.15	1,076	2,559	60%	2,601	0.09%	78,711	52.1%		312	12.0%	1	
	0.15 to < 0.25	835	368	61%	1,059	0.20%	41,769	51.1%		225	21.3%	1	
	0.25 to < 0.50	1,902	308	60%	2,087	0.37%	100,064	58.8%		736	35.3%	5	
	0.50 to < 0.75	1,908	529	89%	2,376	0.63%	89,026	61.7%		1,231	51.8%	9	
	0.75 to < 2.50	5,498	324	75%	5,739	1.39%	259,685	57.9%		3,760	65.5%	49	
	2.50 to < 10.00	2,836	98	71%	2,906	4.30%	75,378	32.2%		1,349	46.4%	37	
	10.00 to < 100.00	247	20	55%	258	26.32%	10,103	50.3%		297	115.1%	33	
	100.00 (Default)	162	2	53%	163	100.00%	9,453	57.5%		235	144.0%	86	
Sub-total	14,464	4,208	65%	17,189	2.70%	664,189	52.8%		8,145	47.4%	221	207	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of retail accounts.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

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

(millions of Canadian dollars)

Q3 2024													
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses
Corporate	0.00 to < 0.15	1,413	1,569	99%	2,573	0.08%	1,018	31.3%	1.74	311	12.1%	1	
	0.15 to < 0.25	10,041	7,578	87%	15,928	0.20%	2,561	40.1%	1.99	4,578	28.7%	13	
	0.25 to < 0.50	11,441	4,958	86%	15,569	0.35%	2,272	34.3%	2.30	5,113	32.8%	18	
	0.50 to < 0.75	12,352	6,730	89%	18,167	0.53%	2,727	37.3%	2.15	8,474	46.6%	36	
	0.75 to < 2.50	26,225	10,782	90%	35,021	1.18%	12,246	35.8%	1.93	21,621	61.7%	147	
	2.50 to < 10.00	4,598	894	89%	5,298	4.33%	1,340	37.7%	1.38	4,989	94.2%	88	
	10.00 to < 100.00	260	28	92%	283	17.40%	78	36.0%	1.05	418	147.0%	18	
	100.00 (Default)	567	60	79%	615	100.00%	457	41.4%	1.10	1,367	222.0%	183	
	Sub-total	66,897	32,599	89%	93,454	1.59%	22,699	36.6%	2.00	46,871	50.1%	504	580
Sovereign	0.00 to < 0.15	63,703	6,956	96%	70,038	0.01%	580	12.0%	2.19	1,300	1.9%	1	
	0.15 to < 0.25	6	-	0%	6	0.25%	1	14.5%	1.00	1	11.1%	-	
	0.25 to < 0.50	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	
	0.50 to < 0.75	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	
	0.75 to < 2.50	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	
	2.50 to < 10.00	7	4	25%	10	7.63%	2	22.3%	1.00	8	77.6%	-	
	10.00 to < 100.00	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	
	100.00 (Default)	-	-	0%	-	0.00%	-	0.0%	-	-	0.0%	-	
	Sub-total	63,716	6,960	96%	70,054	0.02%	583	12.0%	2.19	1,309	1.9%	1	4

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of individual borrowers.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

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

(millions of Canadian dollars)

Q3 2024													
FIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g	h	i	j	k	l
		Original on-balance sheet gross exposure	Off-balance sheet exposures pre CCF ⁽²⁾	Average CCF ⁽³⁾	EAD post CRM and post-CCF	Average PD ⁽⁴⁾	Number of obligors ⁽⁵⁾	Average LGD ⁽⁶⁾	Average maturity ⁽⁷⁾	RWA	RWA density (RWA %) ⁽⁸⁾	EL ⁽⁹⁾	Allowances for credit losses
Corporate	0.00 to < 0.15	1,085	7,449	57%	5,916	0.08%	70	41.9%	1.84	1,185	20.0%	1	
	0.15 to < 0.25	4,541	11,772	93%	9,998	0.19%	142	38.7%	2.68	3,208	32.1%	6	
	0.25 to < 0.50	2,191	3,217	88%	3,656	0.34%	51	35.6%	2.60	1,460	39.9%	3	
	0.50 to < 0.75	861	2,137	84%	1,960	0.53%	38	33.7%	2.64	951	48.5%	3	
	0.75 to < 2.50	4,599	2,989	84%	5,396	1.08%	93	33.5%	2.13	3,223	59.7%	13	
	2.50 to < 10.00	306	142	87%	377	5.08%	6	28.6%	1.58	319	84.6%	4	
	10.00 to < 100.00	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	100.00 (Default)	89	60	55%	130	100.00%	2	35.7%	1.69	72	55.6%	1	
Sub-total	13,672	27,766	81%	27,433	0.92%	402	37.4%	2.36	10,418	38.0%	31	107	
Financial institutions	0.00 to < 0.15	3,606	2,637	47%	5,362	0.06%	70	44.8%	1.43	935	17.4%	–	
	0.15 to < 0.25	248	511	98%	458	0.17%	22	45.0%	2.49	217	47.4%	–	
	0.25 to < 0.50	62	57	58%	96	0.34%	12	45.0%	1.76	55	57.0%	–	
	0.50 to < 0.75	84	155	97%	149	0.53%	10	45.0%	1.05	106	71.0%	–	
	0.75 to < 2.50	2	1	100%	2	1.56%	6	44.4%	1.00	2	85.9%	–	
	2.50 to < 10.00	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	10.00 to < 100.00	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
	100.00 (Default)	–	–	0%	–	0.00%	–	0.0%	–	–	0.0%	–	
Sub-total	4,002	3,361	57%	6,067	0.09%	120	44.9%	1.51	1,315	21.7%	–	12	
Total (all portfolio)		234,362	114,556	79%	306,706	0.89%	2,942,394	28.2%	2.10	77,774	30.4%	935	1,242

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the exposure value without taking into account value adjustments and provisions, conversion factors and the effect of credit risk mitigation techniques.

(3) Represents the EAD post-CCF for off-balance sheet exposure to total off-balance sheet exposure pre CCF.

(4) Represents the obligor grade PD weighted by EAD.

(5) Represents the number of individual borrowers.

(6) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(7) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(8) Total risk-weighted assets to EAD post-CRM.

(9) The expected losses (EL) as calculated according to paragraphs 182 - 185 of the Basel framework.

CR8 – RWA Flow Statements of Credit Risk

(millions of Canadian dollars)

The following tables present a flow statement explaining variations in the credit RWA.

		Q4 2024			Q3 2024		
		a			a		
		Non-counterparty credit risk	Of which: determined under an IRB approach	Counterparty credit risk ⁽¹⁾	Non-counterparty credit risk	Of which: determined under an IRB approach	Counterparty credit risk ⁽¹⁾
1	RWA at beginning	110,679	77,854	6,005	106,694	74,991	5,969
2	Book size ⁽²⁾	553	(236)	514	3,394	2,338	90
3	Book quality ⁽³⁾	166	166	(236)	714	714	(65)
4	Model updates ⁽⁴⁾	308	308	131	(244)	(244)	–
5	Methodology and policy ⁽⁵⁾	–	–	–	–	–	–
6	Acquisitions and disposals	–	–	–	–	–	–
7	Foreign exchange movements	299	133	31	121	55	11
8	Other ⁽⁶⁾	–	–	–	–	–	–
9	RWA at end	112,005	78,225	6,445	110,679	77,854	6,005

		Q2 2024			Q1 2024		
		a			a		
		Non-counterparty credit risk	Of which: determined under an IRB approach	Counterparty credit risk ⁽¹⁾	Non-counterparty credit risk	Of which: determined under an IRB approach	Counterparty credit risk ⁽¹⁾
1	RWA at beginning	102,639	73,140	6,199	99,808	70,783	7,337
2	Book size ⁽²⁾	2,437	641	47	4,246	2,413	774
3	Book quality ⁽³⁾	866	866	(358)	438	438	(3)
4	Model updates ⁽⁴⁾	–	–	–	(31)	(31)	–
5	Methodology and policy ⁽⁵⁾	–	–	–	(825)	–	(1,804)
6	Acquisitions and disposals	–	–	–	–	–	–
7	Foreign exchange movements	752	344	81	(997)	(463)	(105)
8	Other ⁽⁶⁾	–	–	–	–	–	–
9	RWA at end	106,694	74,991	5,969	102,639	73,140	6,199

(1) Counterparty credit risk is comprised of derivatives, SFTs, trades cleared through central counterparties, and CVA RWA.

(2) The Book size item reflects organic changes in book size and composition (including new loans and maturing loans). RWA movements attributable to book size include increases or decreases in exposures, measured by exposure at default, assuming a stable risk profile.

(3) The Book quality item is the Bank's best estimate of changes in book quality related to experience, such as underlying customer behaviour or demographics, including changes resulting from model recalibrations or realignments and also including risk mitigation factors.

(4) The Model updates item is used to reflect implementations of new models, changes in model scope, and any other change applied to address model malfunctions.

(5) The Methodology and policy item presents the impact of changes in calculation methods resulting from changes in regulatory policies as a result, for example, of new regulations.

(6) The Other item captures changes that cannot be attributed to any other category.

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

(millions of Canadian dollars)

The following tables provide backtesting data to validate the reliability of PD calculations. In particular, the template compares the PD used in IRB capital calculations with the effective default rates of bank obligors. A minimum five-year average annual default rate is required to compare the PD with a "more stable" default rate, although a bank may use a longer historical period that is consistent with its actual risk management practices.

Q4 2024										
a	b	c		d	e	f		g	h	i
AIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Residential Mortgages – insured	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.08%	45,725	43,669	23	–	0.06%
	0.15 to < 0.25	BBB	Baa2	0.20%	0.20%	11,252	10,644	14	–	0.10%
	0.25 to < 0.50	BBB-	Baa3	0.35%	0.35%	15,383	12,577	20	–	0.18%
	0.50 to < 0.75	BB+	Ba1	0.62%	0.62%	5,467	4,271	17	–	0.35%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.33%	1.31%	7,127	6,291	68	2	0.70%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.56%	4.77%	2,493	2,529	101	1	3.02%
10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	14.94%	14.95%	708	686	124	1	23.21%	
Residential Mortgages and HELOCs – uninsured	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.07%	0.06%	241,852	252,458	108	2	0.04%
	0.15 to < 0.25	BBB	Baa2	0.19%	0.19%	28,939	29,006	52	5	0.13%
	0.25 to < 0.50	BBB-	Baa3	0.35%	0.35%	26,816	23,024	65	11	0.25%
	0.50 to < 0.75	BB+	Ba1	0.61%	0.61%	8,653	8,374	59	8	0.51%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.29%	1.30%	16,172	13,485	211	4	1.28%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.70%	4.71%	4,818	5,092	239	1	5.82%
10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	16.96%	17.76%	1,239	1,192	259	3	20.79%	
Qualifying revolving retail	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.09%	0.09%	934,569	887,852	412	3	0.03%
	0.15 to < 0.25	BBB	Baa2	0.19%	0.19%	211,775	142,737	229	–	0.08%
	0.25 to < 0.50	BBB-	Baa3	0.34%	0.33%	138,586	258,087	505	28	0.22%
	0.50 to < 0.75	BB+	Ba1	0.62%	0.62%	62,095	65,003	399	15	0.41%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.44%	1.47%	181,821	179,862	2,326	131	1.09%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.72%	4.22%	227,217	263,603	6,617	503	2.70%
10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	23.21%	26.78%	36,580	53,902	12,012	90	27.58%	
Other retail	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.09%	0.09%	80,002	74,860	67	–	0.07%
	0.15 to < 0.25	BBB	Baa2	0.20%	0.20%	38,923	42,859	99	3	0.15%
	0.25 to < 0.50	BBB-	Baa3	0.37%	0.37%	90,896	102,754	308	4	0.21%
	0.50 to < 0.75	BB+	Ba1	0.62%	0.62%	78,322	86,273	385	8	0.33%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.41%	1.42%	278,004	264,945	4,653	1,027	0.72%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.31%	4.06%	71,849	75,426	3,519	289	2.58%
10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	26.82%	24.36%	9,548	11,009	2,397	7	18.76%	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of retail accounts.

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

(millions of Canadian dollars)

Q4 2024										
a	b	c		d	e	f		g	h	i
AIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Corporate	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.08%	1,188	1,006	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.20%	0.20%	2,672	2,554	5	–	0.08%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.34%	2,282	2,268	4	–	0.06%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	2,681	2,724	8	–	0.20%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.19%	1.01%	6,462	12,319	38	–	0.41%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.37%	4.35%	1,243	1,345	28	–	1.58%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	16.24%	17.47%	82	101	13	–	12.66%
Sovereign	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.01%	0.05%	591	583	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.00%	0.00%	1	–	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.00%	0.00%	–	–	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.00%	0.00%	–	–	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	0.00%	0.00%	–	–	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	7.63%	7.63%	3	2	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of individual borrowers.

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

(millions of Canadian dollars)

Q4 2024										
a	b	c		d	e	f		g	h	i
FIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Corporate	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.08%	64	62	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.19%	0.19%	134	143	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.35%	61	51	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	29	44	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.12%	1.10%	86	92	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.68%	4.52%	6	8	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%
Financial Institutions	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.06%	0.07%	74	69	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.18%	0.20%	27	24	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.35%	8	13	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	10	5	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.69%	1.39%	5	6	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	0.00%	0.00%	–	–	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of individual borrowers.

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

(million of Canadian dollars)

Q4 2023										
a	b	c		d	e	f		g	h	i
AIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Residential Mortgages – insured	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.08%	49,577	45,725	22	–	0.06%
	0.15 to < 0.25	BBB	Baa2	0.20%	0.20%	11,532	11,252	11	–	0.10%
	0.25 to < 0.50	BBB-	Baa3	0.35%	0.35%	17,594	15,383	24	–	0.19%
	0.50 to < 0.75	BB+	Ba1	0.62%	0.62%	6,352	5,467	18	–	0.32%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.21%	1.26%	7,638	7,127	44	1	0.60%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.54%	4.71%	2,806	2,493	91	5	2.51%
	10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	15.59%	14.91%	744	708	100	1	20.81%
Residential Mortgages and HELOCs – uninsured	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.07%	0.06%	239,882	241,852	77	2	0.04%
	0.15 to < 0.25	BBB	Baa2	0.19%	0.19%	28,227	28,939	29	4	0.12%
	0.25 to < 0.50	BBB-	Baa3	0.34%	0.35%	26,105	26,816	49	4	0.23%
	0.50 to < 0.75	BB+	Ba1	0.61%	0.61%	8,724	8,653	42	5	0.50%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.16%	1.23%	15,882	16,172	177	3	1.39%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.63%	4.65%	4,536	4,818	229	2	6.48%
	10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	17.48%	17.67%	956	1,239	163	–	20.43%
Qualifying revolving retail	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.08%	914,238	934,569	299	–	0.03%
	0.15 to < 0.25	BBB	Baa2	0.20%	0.20%	209,545	211,775	163	–	0.09%
	0.25 to < 0.50	BBB-	Baa3	0.35%	0.35%	122,943	138,586	396	39	0.19%
	0.50 to < 0.75	BB+	Ba1	0.62%	0.62%	64,663	62,095	314	4	0.38%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.44%	1.49%	210,781	181,821	2,368	173	1.05%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.32%	3.92%	208,081	227,217	5,491	479	3.03%
	10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	20.23%	23.01%	34,391	36,580	9,435	124	26.95%
Other retail	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.09%	0.08%	131,187	80,002	117	1	0.08%
	0.15 to < 0.25	BBB	Baa2	0.20%	0.20%	52,489	38,923	98	–	0.13%
	0.25 to < 0.50	BBB-	Baa3	0.37%	0.37%	75,329	90,896	180	9	0.19%
	0.50 to < 0.75	BB+	Ba1	0.63%	0.62%	60,280	78,322	187	6	0.32%
	0.75 to < 2.50	BB to BB-	Ba2 to Ba3	1.53%	1.46%	194,952	278,004	1,864	358	0.66%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.32%	4.02%	58,426	71,849	2,322	227	2.27%
	10.00 to < 100.00	CCC+ to CCC-	Caa1 to Caa3	26.14%	23.90%	9,212	9,548	1,753	9	16.65%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of individual borrowers.

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

(millions of Canadian dollars)

Q4 2023										
a	b	c		d	e	f		g	h	i
AIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Corporate	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.08%	0.09%	813	1,188	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.19%	0.19%	3,376	2,672	3	–	0.05%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.34%	2,520	2,282	2	–	0.04%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	2,675	2,681	2	–	0.14%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.17%	1.13%	6,246	6,462	27	–	0.40%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.42%	4.36%	883	1,243	9	–	1.45%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	16.11%	17.19%	50	82	4	–	10.44%
Sovereign	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.01%	0.05%	604	591	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.25%	0.25%	–	1	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.00%	0.00%	1	–	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.00%	0.00%	–	–	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	0.00%	0.00%	–	–	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	7.63%	7.63%	2	3	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of individual borrowers.

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

(millions of Canadian dollars)

Q4 2023										
a	b	c		d	e	f		g	h	i
FIRB Approach	PD Range ⁽¹⁾	External rating equivalent		Weighted average PD	Arithmetic average PD by obligors	Number of obligors ⁽²⁾		Defaulted obligors in the year	Of which new defaulted obligors in the year	Average historical annual default rate
		S&P	Moody's			End of previous year	End of the year			
Corporate	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.09%	0.09%	–	64	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.18%	0.18%	–	134	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.35%	–	61	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	–	29	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.04%	1.09%	–	86	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	4.92%	4.53%	–	6	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%
Financial institutions	0.00 to < 0.15	AAA to BBB+	Aaa to Baa1	0.07%	0.08%	–	74	–	–	0.00%
	0.15 to < 0.25	BBB+ to BBB	Baa1 to Baa2	0.19%	0.20%	–	27	–	–	0.00%
	0.25 to < 0.50	BBB to BB+	Baa2 to Ba1	0.35%	0.35%	–	8	–	–	0.00%
	0.50 to < 0.75	BB+	Ba1	0.53%	0.53%	–	10	–	–	0.00%
	0.75 to < 2.50	BB+ to B+	Ba1 to B1	1.75%	1.60%	–	5	–	–	0.00%
	2.50 to < 10.00	B+ to B-	B1 to B3	0.00%	0.00%	–	–	–	–	0.00%
	10.00 to < 100.00	B- to CCC	B3 to Caa2	0.00%	0.00%	–	–	–	–	0.00%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the number of individual borrowers.

IRB Credit Risk Exposure - Backtesting⁽¹⁾

(millions of Canadian dollars)

	2024											
	Q4						Q3					
	PD average estimated (%)	PD actual (%)	IRB - LGD average estimated (%) ⁽²⁾	IRB - LGD actual (%) ⁽³⁾	EAD estimated (%) ⁽⁴⁾	EAD actual (%) ⁽⁴⁾	PD average estimated (%)	PD actual (%)	IRB - LGD average estimated (%) ⁽²⁾	IRB - LGD actual (%) ⁽³⁾	EAD estimated (%) ⁽⁴⁾	EAD actual (%) ⁽⁴⁾
Retail Portfolio⁽⁵⁾												
Insured residential mortgages ⁽⁶⁾	0.57%	0.45%	2.66%	n.a.	n.a.	n.a.	0.58%	0.44%	2.70%	n.a.	n.a.	n.a.
Uninsured residential mortgages incl. HELOCs ⁽⁷⁾	0.28%	0.25%	22.95%	2.21%	92.56%	90.15%	0.28%	0.23%	22.83%	3.30%	92.49%	89.93%
Qualifying revolving retail	1.52%	1.40%	86.29%	74.98%	107.28%	102.45%	1.09%	1.34%	85.93%	76.15%	112.41%	102.68%
Other retail	1.63%	1.31%	49.49%	35.32%	82.58%	76.54%	1.60%	1.23%	53.67%	44.28%	80.81%	75.03%
Non-Retail Portfolio⁽⁸⁾												
Corporate	0.99%	0.42%	30.46%	31.12%	78.61%	70.82%	0.93%	0.42%	27.83%	16.14%	77.58%	74.96%
Sovereign ⁽⁹⁾	0.11%	0.00%	11.80%	n.a.	88.30%	n.a.	0.10%	0.00%	11.80%	n.a.	88.30%	n.a.
Financial Institutions ⁽⁹⁾	0.38%	0.00%	45.00%	n.a.	100.00%	n.a.	0.72%	0.00%	45.00%	n.a.	100.00%	n.a.

	2024											
	Q2						Q1					
	PD average estimated (%)	PD actual (%)	IRB - LGD average estimated (%) ⁽²⁾	IRB - LGD actual (%) ⁽³⁾	EAD estimated (%) ⁽⁴⁾	EAD actual (%) ⁽⁴⁾	PD average estimated (%)	PD actual (%)	IRB - LGD average estimated (%) ⁽²⁾	IRB - LGD actual (%) ⁽³⁾	EAD estimated (%) ⁽⁴⁾	EAD actual (%) ⁽⁴⁾
Retail Portfolio⁽⁵⁾												
Insured residential mortgages ⁽⁶⁾	0.57%	0.41%	2.65%	n.a.	n.a.	n.a.	0.57%	0.36%	2.62%	n.a.	n.a.	n.a.
Uninsured residential mortgages incl. HELOCs ⁽⁷⁾	0.28%	0.23%	22.49%	3.40%	92.22%	90.12%	0.28%	0.22%	22.14%	3.44%	93.72%	91.36%
Qualifying revolving retail	1.09%	1.27%	85.58%	77.32%	108.11%	102.45%	1.08%	1.14%	86.01%	77.78%	108.62%	102.63%
Other retail	1.59%	1.16%	49.97%	38.93%	80.94%	73.65%	1.57%	1.08%	50.05%	39.49%	82.09%	75.63%
Non-Retail Portfolio⁽⁸⁾												
Corporate	0.91%	0.34%	25.47%	6.41%	83.32%	71.79%	0.90%	0.28%	24.59%	3.98%	81.03%	86.51%
Sovereign ⁽⁹⁾	0.10%	0.00%	11.80%	n.a.	88.30%	n.a.	0.08%	0.00%	11.80%	n.a.	88.30%	n.a.
Financial Institutions ⁽⁹⁾	0.72%	0.00%	45.00%	n.a.	100.00%	n.a.	0.72%	0.00%	45.00%	n.a.	100.00%	n.a.

(1) Estimated PD and actual default rates are consistent with what is presented in table CR9 (presented annually). Actual and estimated PD, LGD and EAD parameters are reported on a one-month lag. For example, for Q4 2024, estimated percentages are as of September 30, 2023 and actual percentages reflect experience in the following 12 months.

(2) Estimated LGD reflects loss estimates under a downturn economic scenario and is based on defaulted accounts.

(3) Actual LGD includes indirect costs and discount rate and is based on defaulted accounts on which recovery process is completed.

(4) Estimated and actual EAD are computed for revolving products only and are based on defaulted accounts.

(5) Retail PD and EAD are based on account weighted average whilst retail LGD is based on exposure weighted average.

(6) Actual LGD for insured residential mortgages is not applicable to reflect the credit risk mitigation from government backed entities.

(7) Actual and estimated EAD for residential mortgage is computed only for HELOCs since the conventional residential mortgages are non-revolving.

(8) Wholesale and Sovereign's PD is based on borrower weighted average whilst the LGD and EAD are based on facility weighted average.

(9) Actual LGD for the financial institutions and sovereign are not applicable because no defaulted facilities recovery were completed during the period. Actual EAD are not applicable because no default was observed during the period.

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

(millions of Canadian dollars)

The following tables provide a comprehensive view of the methods used to calculate counterparty credit risk regulatory requirements and the main parameters used within each method.

		Q4 2024						Q3 2024					
		a	b	c	d	e	f	a	b	c	d	e	f
		Replacement cost	Potential future exposure	EEPE ⁽²⁾	Alpha used for computing regulatory EAD	EAD post-CRM	RWA	Replacement cost	Potential future exposure	EEPE ⁽²⁾	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1	SA-CCR (for derivatives)	3,213	9,645		1.4	18,001	3,503	2,169	7,600		1.4	13,677	3,010
2	Internal Model Method (for derivatives and SFTs)			-	-	-	-			-	-	-	-
3	Simple Approach for credit risk mitigation (for SFTs)					-	-					-	-
4	Comprehensive Approach for credit risk mitigation (for SFTs)					-	-					-	-
5	VaR for SFTs					13,217	1,538					14,532	1,565
6	Total						5,041						4,575

		Q2 2024						Q1 2024					
		a	b	c	d	e	f	a	b	c	d	e	f
		Replacement cost	Potential future exposure	EEPE ⁽²⁾	Alpha used for computing regulatory EAD	EAD post-CRM	RWA	Replacement cost	Potential future exposure	EEPE ⁽²⁾	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
1	SA-CCR (for derivatives)	3,182	8,521		1.4	16,383	3,059	2,366	8,474		1.4	15,177	2,947
2	Internal Model Method (for derivatives and SFTs)			-	-	-	-			-	-	-	-
3	Simple Approach for credit risk mitigation (for SFTs)					-	-					-	-
4	Comprehensive Approach for credit risk mitigation (for SFTs)					-	-					-	-
5	VaR for SFTs					13,432	1,712					13,809	2,058
6	Total						4,771						5,005

(1) Excluding exposure and RWA for qualified central counterparties (QCCPs) and credit valuation adjustment (CVA).

(2) EEPE: Effective Expected Positive Exposure.

CCR3 – Standardized Approach - CCR Exposures by Regulatory Portfolio and Risk Weights

(millions of Canadian dollars)

The following tables provide a breakdown of counterparty credit risk exposures calculated according to the standardized approach: by portfolio (type of counterparties) and by risk weights (riskiness attributed according to standardized approach).

		Q4 2024													Q3 2024														
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	a	b	c	d	e	f	g	h	i	j	k	l	m	n
Risk weight		0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Others	Total credit exposure	0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Others	Total credit exposure
Regulatory portfolio																													
Sovereigns		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public sector entities (PSEs)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multilateral development banks		243	-	-	-	-	-	-	-	-	-	-	-	-	243	214	-	-	-	-	-	-	-	-	-	-	-	-	214
Banks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Securities firms and other financial institutions treated as Banks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corporates		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of which: specialised lending		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Securities firms and other financial institutions treated as Corporate		-	-	-	-	-	-	-	-	694	-	-	-	-	694	-	-	-	-	-	-	-	-	-	705	-	-	-	705
Regulatory retail portfolios		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other assets ⁽¹⁾		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		243	-	-	-	-	-	-	-	-	694	-	-	937	214	-	-	-	-	-	-	-	-	-	705	-	-	919	

		Q2 2024													Q1 2024														
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	a	b	c	d	e	f	g	h	i	j	k	l	m	n
Risk weight		0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Others	Total credit exposure	0%	10%	20%	30%	40%	50%	75%	80%	85%	100%	130%	150%	Others	Total credit exposure
Regulatory portfolio																													
Sovereigns		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public sector entities (PSEs)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multilateral development banks		187	-	-	-	-	-	-	-	-	-	-	-	-	187	127	-	-	-	-	-	-	-	-	-	-	-	-	127
Banks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Securities firms and other financial institutions treated as Banks		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corporates		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of which: specialised lending		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Securities firms and other financial institutions treated as Corporate		-	-	-	-	-	-	-	-	-	670	-	-	-	670	-	-	-	-	-	-	-	-	-	915	-	-	-	915
Regulatory retail portfolios		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other assets ⁽¹⁾		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		187	-	-	-	-	-	-	-	-	670	-	-	857	127	-	-	-	-	-	-	-	-	-	915	-	-	1,042	

(1) Excluding the exposures to CCPs, which are reported in CCR8.

CCR4 – IRB - CCR Exposures by Portfolio and PD Scale

(millions of Canadian dollars)

The following tables provide all relevant parameters used for the calculation of counterparty credit risk capital requirements for IRB models.

Q4 2024								
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g
		EAD post-CRM	Average PD ⁽²⁾	Number of obligors ⁽³⁾	Average LGD ⁽⁴⁾	Average maturity ⁽⁵⁾	RWA	RWA density ⁽⁶⁾
Corporate	0.00 to < 0.15	16	0.10%	22	50.8%	1.00	3	18.8%
	0.15 to < 0.25	511	0.19%	172	30.7%	0.99	101	19.8%
	0.25 to < 0.50	295	0.35%	175	26.9%	1.00	70	23.7%
	0.50 to < 0.75	231	0.53%	201	32.2%	1.00	85	36.8%
	0.75 to < 2.50	1,653	0.84%	776	34.8%	0.73	736	44.5%
	2.50 to < 10.00	41	5.36%	82	48.1%	1.00	54	131.7%
	10.00 to < 100.00	1	19.20%	5	59.4%	1.00	2	200.0%
	100.00 (Default)	1	100.00%	1	38.0%	1.00	-	0.0%
Sub-total	2,749	0.76%	1,434	33.3%	0.84	1,051	38.2%	
Sovereign	0.00 to < 0.15	10,461	0.03%	123	15.1%	0.33	178	1.7%
	0.15 to < 0.25	-	0.00%	-	0.0%	-	-	0.0%
	0.25 to < 0.50	146	0.44%	1	12.0%	0.01	14	9.6%
	0.50 to < 0.75	-	0.00%	-	0.0%	-	-	0.0%
	0.75 to < 2.50	-	1.38%	1	12.7%	1.00	-	0.0%
	2.50 to < 10.00	-	0.00%	-	0.0%	-	-	0.0%
	10.00 to < 100.00	-	0.00%	-	0.0%	-	-	0.0%
	100.00 (Default)	-	0.00%	-	0.0%	-	-	0.0%
Sub-total	10,607	0.04%	125	15.0%	0.33	192	1.8%	

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the obligor grade PD weighted by EAD.

(3) Represents the number of individual borrowers.

(4) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(5) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(6) Total risk-weighted assets to EAD post-CRM.

CCR4 – IRB - CCR Exposures by Portfolio and PD Scale (continued)

(millions of Canadian dollars)

Q4 2024								
FIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g
		EAD post-CRM	Average PD ⁽²⁾	Number of obligors ⁽³⁾	Average LGD ⁽⁴⁾	Average maturity ⁽⁵⁾	RWA	RWA density ⁽⁶⁾
Corporate	0.00 to < 0.15	1,464	0.07%	431	41.8%	0.44	186	12.7%
	0.15 to < 0.25	3,086	0.18%	255	29.6%	0.92	600	19.4%
	0.25 to < 0.50	512	0.34%	94	30.3%	0.89	147	28.7%
	0.50 to < 0.75	256	0.53%	51	24.3%	0.88	73	28.5%
	0.75 to < 2.50	974	0.94%	49	25.1%	0.99	385	39.5%
	2.50 to < 10.00	19	3.05%	2	40.8%	1.00	22	115.8%
	10.00 to < 100.00	-	0.00%	-	0.0%	-	-	0.0%
	100.00 (Default)	-	0.00%	-	0.0%	-	-	0.0%
Sub-total	6,311	0.31%	882	31.6%	0.82	1,413	22.4%	
Financial institutions	0.00 to < 0.15	10,008	0.07%	97	45.0%	0.44	1,450	14.5%
	0.15 to < 0.25	375	0.17%	32	45.0%	0.16	115	30.7%
	0.25 to < 0.50	112	0.35%	16	45.0%	0.48	54	48.2%
	0.50 to < 0.75	94	0.53%	16	45.0%	0.13	53	56.4%
	0.75 to < 2.50	76	1.21%	20	45.0%	0.05	59	77.6%
	2.50 to < 10.00	-	0.00%	-	0.0%	-	-	0.0%
	10.00 to < 100.00	-	0.00%	-	0.0%	-	-	0.0%
	100.00 (Default)	-	0.00%	-	0.0%	-	-	0.0%
Sub-total	10,665	0.09%	181	45.0%	0.43	1,731	16.2%	
Total (sum of portfolios)		30,332	0.18%	2,622	30.7%	0.51	4,387	14.5%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the obligor grade PD weighted by EAD.

(3) Represents the number of individual borrowers.

(4) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(5) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(6) Total risk-weighted assets to EAD post-CRM.

CCR4 – IRB - CCR Exposures by Portfolio and PD Scale (continued)

(millions of Canadian dollars)

		Q3 2024						
AIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g
		EAD post-CRM	Average PD ⁽²⁾	Number of obligors ⁽³⁾	Average LGD ⁽⁴⁾	Average maturity ⁽⁵⁾	RWA	RWA density ⁽⁶⁾
Corporate	0.00 to < 0.15	15	0.09%	33	50.1%	1.00	3	20.0%
	0.15 to < 0.25	422	0.19%	193	28.1%	1.00	75	17.8%
	0.25 to < 0.50	328	0.35%	208	29.3%	0.99	85	25.9%
	0.50 to < 0.75	193	0.53%	206	29.8%	1.00	66	34.2%
	0.75 to < 2.50	1,447	0.83%	1,032	35.6%	0.75	657	45.4%
	2.50 to < 10.00	34	5.37%	88	49.2%	1.00	46	135.3%
	10.00 to < 100.00	1	21.90%	4	59.4%	1.00	2	200.0%
	100.00 (Default)	1	100.00%	2	38.0%	1.00	-	0.0%
	Sub-total	2,441	0.74%	1,766	33.3%	0.85	934	38.3%
Sovereign	0.00 to < 0.15	10,159	0.03%	121	14.9%	0.19	166	1.6%
	0.15 to < 0.25	14	0.25%	1	13.4%	1.00	1	7.1%
	0.25 to < 0.50	169	0.44%	1	13.8%	0.01	19	11.2%
	0.50 to < 0.75	-	0.00%	-	0.0%	-	-	0.0%
	0.75 to < 2.50	-	0.00%	-	0.0%	-	-	0.0%
	2.50 to < 10.00	-	0.00%	-	0.0%	-	-	0.0%
	10.00 to < 100.00	-	0.00%	-	0.0%	-	-	0.0%
	100.00 (Default)	-	0.00%	-	0.0%	-	-	0.0%
	Sub-total	10,342	0.04%	123	14.9%	0.19	186	1.8%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the obligor grade PD weighted by EAD.

(3) Represents the number of individual borrowers.

(4) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(5) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(6) Total risk-weighted assets to EAD post-CRM.

CCR4 – IRB - CCR Exposures by Portfolio and PD Scale (continued)

(millions of Canadian dollars)

Q3 2024								
FIRB Approach	PD scale ⁽¹⁾	a	b	c	d	e	f	g
		EAD post-CRM	Average PD ⁽²⁾	Number of obligors ⁽³⁾	Average LGD ⁽⁴⁾	Average maturity ⁽⁵⁾	RWA	RWA density ⁽⁶⁾
Corporate	0.00 to < 0.15	1,607	0.06%	473	42.8%	0.33	191	11.9%
	0.15 to < 0.25	3,025	0.18%	275	31.4%	0.92	620	20.5%
	0.25 to < 0.50	487	0.35%	80	31.9%	0.90	148	30.4%
	0.50 to < 0.75	220	0.53%	62	29.7%	0.91	83	37.7%
	0.75 to < 2.50	993	1.14%	51	26.2%	0.99	447	45.0%
	2.50 to < 10.00	9	3.15%	2	31.7%	1.00	7	77.8%
	10.00 to < 100.00	–	0.00%	–	0.0%	–	–	0.0%
	100.00 (Default)	7	100.00%	1	29.0%	1.00	3	42.9%
	Sub-total	6,348	0.43%	944	33.5%	0.78	1,499	23.6%
Financial institutions	0.00 to < 0.15	7,387	0.07%	96	45.0%	0.39	961	13.0%
	0.15 to < 0.25	550	0.18%	34	45.0%	0.13	160	29.1%
	0.25 to < 0.50	58	0.35%	15	45.0%	0.56	29	50.0%
	0.50 to < 0.75	143	0.53%	14	45.0%	0.40	87	60.8%
	0.75 to < 2.50	63	1.20%	20	45.0%	0.03	49	77.8%
	2.50 to < 10.00	–	0.00%	–	0.0%	–	–	0.0%
	10.00 to < 100.00	–	0.00%	–	0.0%	–	–	0.0%
	100.00 (Default)	–	0.00%	–	0.0%	–	–	0.0%
	Sub-total	8,201	0.10%	179	45.0%	0.37	1,286	15.7%
Total (sum of portfolios)		27,332	0.20%	3,012	29.9%	0.44	3,905	14.3%

(1) Prescribed PD bands based on BCBS document related to Pillar 3 disclosure requirements.

(2) Represents the obligor grade PD weighted by EAD.

(3) Represents the number of individual borrowers.

(4) Represents the obligor grade LGD (net of any CRM effect) weighted by EAD.

(5) Represents the obligor maturity in years weighted by EAD. This parameter needs to be filled in only when it is used for the RWA calculation.

(6) Total risk-weighted assets to EAD post-CRM.

CCR5 – Composition of Collateral for CCR Exposure

(millions of Canadian dollars)

The following tables provide a breakdown of all types of collateral posted or received to support or reduce the counterparty credit risk exposures related to derivative transactions or to SFTs, including transactions cleared through a CCP.

	Q4 2024						Q3 2024					
	a	b	c	d	e	f	a	b	c	d	e	f
	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			
Cash	–	12,234	–	3,386	56,160	34,248	–	12,949	–	2,914	60,582	32,666
Securities issued or guaranteed by												
Canadian government	–	144	66	898	24,905	30,042	–	135	83	1,128	29,986	37,677
Canadian provincial and municipal governments	234	1,125	140	1,242	11,300	11,408	157	1,018	156	1,050	8,165	12,318
U.S. Treasury, other U.S. agencies and other foreign governments	3,146	32	766	118	71,414	54,031	3,825	46	1,505	136	64,941	51,750
Other debt securities	337	378	620	6	5,072	1,858	684	338	552	–	4,653	1,738
Equity securities	2,460	–	4,761	–	83,600	127,670	2,037	–	4,656	–	77,092	114,123
Total	6,177	13,913	6,353	5,650	252,451	259,257	6,703	14,486	6,952	5,228	245,419	250,272

	Q2 2024						Q1 2024					
	a	b	c	d	e	f	a	b	c	d	e	f
	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			
Cash	–	12,623	–	3,190	59,710	39,369	–	13,601	–	2,635	50,428	26,057
Securities issued or guaranteed by												
Canadian government	15	249	32	1,248	29,581	32,976	40	101	9	1,307	23,962	29,381
Canadian provincial and municipal governments	407	1,233	83	933	6,869	11,468	246	988	–	987	6,568	12,204
U.S. Treasury, other U.S. agencies and other foreign governments	4,509	38	2,254	113	61,828	45,307	3,630	64	1,455	110	51,135	37,160
Other debt securities	712	294	1,037	–	3,955	1,658	574	209	807	–	4,166	1,991
Equity securities	3,283	–	3,553	–	78,344	115,447	2,350	–	3,737	–	70,649	105,744
Total	8,926	14,437	6,959	5,484	240,287	246,225	6,840	14,963	6,008	5,039	206,908	212,537

CCR6 – Credit Derivatives Exposures

(millions of Canadian dollars)

The following tables illustrate the extent of the bank's exposures to credit derivative transactions broken down between derivatives purchased or sold.

	Q4 2024		Q3 2024		Q2 2024		Q1 2024		Q4 2023	
	a	b	a	b	a	b	a	b	a	b
	Protection purchased	Protection sold	Protection purchased	Protection sold	Protection purchased	Protection sold	Protection purchased	Protection sold	Protection purchased	Protection sold
Notionals										
Credit default swaps										
Indices, singles names and other	7,186	4,670	6,640	4,131	6,954	4,559	5,361	3,476	5,917	4,131
Tranches on indices	-	-	-	-	-	-	-	-	-	-
Total return swaps	99	69	343	-	357	-	266	-	321	-
Credit options	-	-	-	-	-	-	-	-	-	-
Other credit derivatives	-	-	-	-	-	-	-	-	-	-
Total notionals	7,285	4,739	6,983	4,131	7,311	4,559	5,627	3,476	6,238	4,131
Fair values										
Positive fair value (asset)	-	7	5	71	6	78	5	53	18	41
Negative fair value (liability)	(20)	-	(102)	-	(108)	-	(88)	(2)	(56)	(4)

CCR8 – Exposures to Central Counterparties (CCP)⁽¹⁾

(millions of Canadian dollars)

The following tables provide a comprehensive picture of the bank's exposures to central counterparties. The template includes all types of exposures and related capital requirements.

	Q4 2024		Q3 2024		Q2 2024		Q1 2024		Q4 2023	
	a	b	a	b	a	b	a	b	a	b
	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA
1	Exposures to QCCPs (total)									
2	Exposures for trades at QCCPs (excluding initial margin and default fund contributions); of which:									
3	(i) OTC derivatives									
4	(ii) Exchange-traded derivatives									
5	(iii) Securities financing transactions									
6	(iv) Netting sets where cross-product netting has been approved									
7	Segregated initial margin									
8	Non-segregated initial margin									
9	Pre-funded default fund contributions									
10	Unfunded default fund contributions									

(1) The Bank has no exposure to non-qualifying central counterparties.

SEC1 – Securitization Exposures in the Banking Book

(millions of Canadian dollars)

The following tables present the bank's securitization exposures in its banking book.

Q4 2024													
	a	b	c	d	e	f	g	h	i	j	k	l	
	Bank acts as originator				Bank acts as sponsor				Banks acts as investor ⁽¹⁾				
	Traditional	Of which: simple transparent and comparable (STC)	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	
1	Retail	800	800	–	800	6,172	6,145	–	6,172	1,649	672	–	1,649
2	Of which:												
2	Residential mortgages	–	–	–	–	5,073	5,046	–	5,073	208	–	–	208
3	Credit card	800	800	–	800	–	–	–	–	186	109	–	186
4	Other retail exposures	–	–	–	–	1,099	1,099	–	1,099	1,255	563	–	1,255
5	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–
6	Non-Retail	–	–	–	–	2,098	2,098	–	2,098	646	515	–	646
7	Of which:												
7	Loans to corporates	–	–	–	–	–	–	–	–	–	–	–	–
8	Commercial mortgage	–	–	–	–	876	876	–	876	46	–	–	46
9	Lease and receivables	–	–	–	–	1,214	1,214	–	1,214	515	515	–	515
10	Other wholesale	–	–	–	–	8	8	–	8	85	–	–	85
11	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–

Q3 2024													
	a	b	c	d	e	f	g	h	i	j	k	l	
	Bank acts as originator				Bank acts as sponsor				Banks acts as investor ⁽¹⁾				
	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	
1	Retail	800	800	–	800	5,228	5,004	–	5,228	1,644	109	–	1,644
2	Of which :												
2	Residential mortgages	–	–	–	–	4,277	4,053	–	4,277	207	–	–	207
3	Credit card	800	800	–	800	–	–	–	–	196	109	–	196
4	Other retail exposures	–	–	–	–	951	951	–	951	1,241	–	–	1,241
5	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–
6	Non-Retail	–	–	–	–	1,782	1,782	–	1,782	643	517	–	643
7	Of which :												
7	Loans to corporates	–	–	–	–	–	–	–	–	–	–	–	–
8	Commercial mortgage	–	–	–	–	862	862	–	862	46	–	–	46
9	Lease and receivables	–	–	–	–	914	914	–	914	517	517	–	517
10	Other wholesale	–	–	–	–	6	6	–	6	80	–	–	80
11	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–

(1) Represents the investment positions purchased in third-party deals.

(2) The Bank has no synthetic securitization exposure.

SEC1 – Securitization Exposures in the Banking Book (continued)

(millions of Canadian dollars)

Q2 2024													
	a	b	c	d	e	f	g	h	i	j	k	l	
	Bank acts as originator				Bank acts as sponsor				Banks acts as investor ⁽¹⁾				
	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	
1	Retail	800	800	–	800	5,297	5,098	–	5,297	1,581	109	–	1,581
	Of which:												
2	Residential mortgages	–	–	–	–	4,316	4,117	–	4,316	145	–	–	145
3	Credit card	800	800	–	800	–	–	–	–	196	109	–	196
4	Other retail exposures	–	–	–	–	981	981	–	981	1,240	–	–	1,240
5	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–
6	Non-Retail	–	–	–	–	1,651	1,651	–	1,651	658	531	–	658
	Of which:												
7	Loans to corporates	–	–	–	–	–	–	–	–	–	–	–	–
8	Commercial mortgage	–	–	–	–	810	810	–	810	1	–	–	1
9	Lease and receivables	–	–	–	–	834	834	–	834	531	531	–	531
10	Other wholesale	–	–	–	–	7	7	–	7	126	–	–	126
11	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–

Q1 2024													
	a	b	c	d	e	f	g	h	i	j	k	l	
	Bank acts as originator				Bank acts as sponsor				Banks acts as investor ⁽¹⁾				
	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	Traditional	Of which: STC	Synthetic ⁽²⁾	Sub-total	
1	Retail	800	800	–	800	5,417	5,263	–	5,417	1,609	118	–	1,609
	Of which :												
2	Residential mortgages	–	–	–	–	4,364	4,210	–	4,364	63	–	–	63
3	Credit card	800	800	–	800	–	–	–	–	250	118	–	250
4	Other retail exposures	–	–	–	–	1,053	1,053	–	1,053	1,296	–	–	1,296
5	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–
6	Non-Retail	–	–	–	–	1,545	1,545	–	1,545	578	577	–	578
	Of which :												
7	Loans to corporates	–	–	–	–	–	–	–	–	–	–	–	–
8	Commercial mortgage	–	–	–	–	680	680	–	680	1	–	–	1
9	Lease and receivables	–	–	–	–	854	854	–	854	577	577	–	577
10	Other wholesale	–	–	–	–	11	11	–	11	–	–	–	–
11	Re-securitization	–	–	–	–	–	–	–	–	–	–	–	–

(1) Represents the investment positions purchased in third-party deals.

(2) The Bank has no synthetic securitization exposure.

SEC2 – Securitization Exposures in the Trading Book

(millions of Canadian dollars)

The following tables present the bank's securitization exposures in its trading book.

		Q4 2024								
		a	c	d	e	g	h	i	k	l
		Bank acts as originator			Bank acts as sponsor			Banks acts as investor ⁽¹⁾		
		Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total
1	Retail	-	-	-	34	-	34	42	-	42
	Of which:									
2	Residential mortgages	-	-	-	17	-	17	12	-	12
3	Credit card	-	-	-	-	-	-	30	-	30
4	Other retail exposures	-	-	-	17	-	17	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Non-Retail	-	-	-	25	-	25	11	-	11
	Of which:									
7	Loans to corporates	-	-	-	-	-	-	-	-	-
8	Commercial mortgage	-	-	-	7	-	7	4	-	4
9	Lease and receivables	-	-	-	18	-	18	7	-	7
10	Other wholesale	-	-	-	-	-	-	-	-	-
11	Re-securitization	-	-	-	-	-	-	-	-	-

		Q3 2024								
		a	c	d	e	g	h	i	k	l
		Bank acts as originator			Bank acts as sponsor			Banks acts as investor ⁽¹⁾		
		Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total
1	Retail	-	-	-	29	-	29	32	-	32
	Of which:									
2	Residential mortgages	-	-	-	17	-	17	7	-	7
3	Credit card	-	-	-	-	-	-	25	-	25
4	Other retail exposures	-	-	-	12	-	12	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Non-Retail	-	-	-	20	-	20	11	-	11
	Of which:									
7	Loans to corporates	-	-	-	-	-	-	-	-	-
8	Commercial mortgage	-	-	-	8	-	8	4	-	4
9	Lease and receivables	-	-	-	12	-	12	7	-	7
10	Other wholesale	-	-	-	-	-	-	-	-	-
11	Re-securitization	-	-	-	-	-	-	-	-	-

(1) Represents the investment positions purchased in third-party deals.

(2) The Bank has no synthetic securitization exposure.

SEC2 – Securitization Exposures in the Trading Book (continued)

(millions of Canadian dollars)

		Q2 2024								
		a	c	d	e	g	h	i	k	l
		Bank acts as originator			Bank acts as sponsor			Banks acts as investor ⁽¹⁾		
		Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total
1	Retail	-	-	-	5	-	5	37	-	37
	Of which:									
2	Residential mortgages	-	-	-	3	-	3	4	-	4
3	Credit card	-	-	-	-	-	-	33	-	33
4	Other retail exposures	-	-	-	2	-	2	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Non-Retail	-	-	-	3	-	3	16	-	16
	Of which:									
7	Loans to corporates	-	-	-	-	-	-	-	-	-
8	Commercial mortgage	-	-	-	1	-	1	12	-	12
9	Lease and receivables	-	-	-	2	-	2	4	-	4
10	Other wholesale	-	-	-	-	-	-	-	-	-
11	Re-securitization	-	-	-	-	-	-	-	-	-

		Q1 2024								
		a	c	d	e	g	h	i	k	l
		Bank acts as originator			Bank acts as sponsor			Banks acts as investor ⁽¹⁾		
		Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total	Traditional	Synthetic ⁽²⁾	Sub-total
1	Retail	-	-	-	2	-	2	17	-	17
	Of which:									
2	Residential mortgages	-	-	-	1	-	1	5	-	5
3	Credit card	-	-	-	-	-	-	12	-	12
4	Other retail exposures	-	-	-	1	-	1	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Non-Retail	-	-	-	1	-	1	13	-	13
	Of which:									
7	Loans to corporates	-	-	-	-	-	-	-	-	-
8	Commercial mortgage	-	-	-	-	-	-	12	-	12
9	Lease and receivables	-	-	-	1	-	1	1	-	1
10	Other wholesale	-	-	-	-	-	-	-	-	-
11	Re-securitization	-	-	-	-	-	-	-	-	-

(1) Represents the investment positions purchased in third-party deals.

(2) The Bank has no synthetic securitization exposure.

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

(millions of Canadian dollars)

The following tables present securitization in the banking book when the bank acts as originator or sponsor and the associated capital requirements.

		Q4 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	9,070	-	-	-	-	800	8,250	20	-	80	825	3	-	6	66	-	-
2	Traditional securitization	9,070	-	-	-	-	800	8,250	20	-	80	825	3	-	6	66	-	-
3	Of which: securitization	9,070	-	-	-	-	800	8,250	20	-	80	825	3	-	6	66	-	-
4	Of which: retail underlying	6,972	-	-	-	-	800	6,152	20	-	80	615	3	-	6	49	-	-
5	Of which: STC	6,945	-	-	-	-	800	6,145	-	-	80	614	3	-	6	49	-	-
6	Of which: wholesale	2,098	-	-	-	-	-	2,098	-	-	-	210	-	-	-	17	-	-
7	Of which: STC	2,098	-	-	-	-	-	2,098	-	-	-	210	-	-	-	17	-	-
8	Of which: re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Q3 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	7,810	-	-	-	-	800	6,990	20	-	80	719	3	-	6	57	-	-
2	Traditional securitization	7,810	-	-	-	-	800	6,990	20	-	80	719	3	-	6	57	-	-
3	Of which: securitization	7,810	-	-	-	-	800	6,990	20	-	80	719	3	-	6	57	-	-
4	Of which: retail underlying	6,028	-	-	-	-	800	5,208	20	-	80	632	3	-	6	50	-	-
5	Of which: STC	5,804	-	-	-	-	800	5,004	-	-	80	592	3	-	6	47	-	-
6	Of which: wholesale	1,782	-	-	-	-	-	1,782	-	-	-	87	-	-	-	7	-	-
7	Of which: STC	1,782	-	-	-	-	-	1,782	-	-	-	87	-	-	-	7	-	-
8	Of which: re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) The Bank has no synthetic securitization exposure.

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

(millions of Canadian dollars)

Q2 2024																	
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
	≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1 Total exposures	7,748	-	-	-	-	800	6,928	20	-	80	711	3	-	6	57	-	-
2 Traditional securitization	7,748	-	-	-	-	800	6,928	20	-	80	711	3	-	6	57	-	-
3 Of which: securitization	7,748	-	-	-	-	800	6,928	20	-	80	711	3	-	6	57	-	-
4 Of which: retail underlying	6,097	-	-	-	-	800	5,277	20	-	80	546	3	-	6	44	-	-
5 Of which: STC	5,898	-	-	-	-	800	5,098	-	-	80	510	3	-	6	41	-	-
6 Of which: wholesale	1,651	-	-	-	-	-	1,651	-	-	-	165	-	-	-	13	-	-
7 Of which: STC	1,651	-	-	-	-	-	1,651	-	-	-	165	-	-	-	13	-	-
8 Of which: re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Q1 2024																	
	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
	Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
	≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1 Total exposures	7,762	-	-	-	-	800	6,940	22	-	80	709	3	-	6	57	1	-
2 Traditional securitization	7,762	-	-	-	-	800	6,940	22	-	80	709	3	-	6	57	1	-
3 Of which: securitization	7,762	-	-	-	-	800	6,940	22	-	80	709	3	-	6	57	1	-
4 Of which: retail underlying	6,217	-	-	-	-	800	5,395	22	-	80	554	3	-	6	45	1	-
5 Of which: STC	6,063	-	-	-	-	800	5,241	22	-	80	523	3	-	6	42	1	-
6 Of which: wholesale	1,545	-	-	-	-	-	1,545	-	-	-	155	-	-	-	12	-	-
7 Of which: STC	1,545	-	-	-	-	-	1,545	-	-	-	155	-	-	-	12	-	-
8 Of which: re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) The Bank has no synthetic securitization exposure.

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

(millions of Canadian dollars)

The following tables present securitization exposures in the banking book where the bank acts as investor and the associated capital requirements.

		Q4 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap			
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	2,162	5	128	–	–	–	762	1,533	–	–	98	337	–	–	8	27	–
2	Traditional securitization	2,162	5	128	–	–	–	762	1,533	–	–	98	337	–	–	8	27	–
3	Of which: securitization	2,162	5	128	–	–	–	762	1,533	–	–	98	337	–	–	8	27	–
4	Of which: retail underlying	1,644	5	–	–	–	–	328	1,321	–	–	52	197	–	–	4	16	–
5	Of which: STC	672	–	–	–	–	–	–	672	–	–	–	99	–	–	–	8	–
6	Of which: wholesale	518	–	128	–	–	–	434	212	–	–	46	140	–	–	4	11	–
7	Of which: STC	387	–	128	–	–	–	387	128	–	–	39	128	–	–	3	10	–
8	Of which: re-securitization	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

		Q3 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)					Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap			
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	2,140	8	139	–	–	–	753	1,534	–	–	98	283	–	–	8	23	–
2	Traditional securitization	2,140	8	139	–	–	–	753	1,534	–	–	98	283	–	–	8	23	–
3	Of which: securitization	2,140	8	139	–	–	–	753	1,534	–	–	98	283	–	–	8	23	–
4	Of which: retail underlying	1,636	8	–	–	–	–	329	1,315	–	–	53	193	–	–	4	16	–
5	Of which: STC	109	–	–	–	–	–	–	109	–	–	–	11	–	–	–	1	–
6	Of which: wholesale	504	–	139	–	–	–	424	219	–	–	45	90	–	–	4	7	–
7	Of which: STC	378	–	139	–	–	–	378	139	–	–	38	78	–	–	3	6	–
8	Of which: re-securitization	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

(1) The Bank has no synthetic securitization exposure.

SEC4 – Securitization Exposures in the Banking Book and Associated Capital Requirements⁽¹⁾

- Bank Acting as Investor (continued)

(millions of Canadian dollars)

		Q2 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	1,939	300	–	–	–	–	751	1,488	–	–	98	243	–	–	8	20	–
2	Traditional securitization	1,939	300	–	–	–	–	751	1,488	–	–	98	243	–	–	8	20	–
3	Of which: securitization	1,939	300	–	–	–	–	751	1,488	–	–	98	243	–	–	8	20	–
4	Of which: retail underlying	1,431	150	–	–	–	–	323	1,258	–	–	53	192	–	–	4	16	–
5	Of which: STC	109	–	–	–	–	–	–	109	–	–	–	11	–	–	–	1	–
6	Of which: wholesale	508	150	–	–	–	–	428	230	–	–	45	51	–	–	4	4	–
7	Of which: STC	381	150	–	–	–	–	381	150	–	–	38	39	–	–	3	3	–
8	Of which: re-securitization	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

		Q1 2024																
		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q
		Exposure values (by RW bands)				Exposure values (by regulatory approach)				RWA (by regulatory approach)				Capital charge after cap				
		≤ 20% RW	> 20% to 50% RW	>50% to 100% RW	>100% to 1250% RW	1250% RW	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA/IAA	SEC-SA	1250%
1	Total exposures	2,172	15	–	–	–	–	775	1,412	–	–	103	197	–	–	8	15	–
2	Traditional securitization	2,172	15	–	–	–	–	775	1,412	–	–	103	197	–	–	8	15	–
3	Of which: securitization	2,172	15	–	–	–	–	775	1,412	–	–	103	197	–	–	8	15	–
4	Of which: retail underlying	1,594	15	–	–	–	–	381	1,228	–	–	63	179	–	–	5	14	–
5	Of which: STC	118	–	–	–	–	–	–	118	–	–	–	12	–	–	–	1	–
6	Of which: wholesale	578	–	–	–	–	–	394	184	–	–	40	18	–	–	3	1	–
7	Of which: STC	577	–	–	–	–	–	393	184	–	–	39	18	–	–	3	1	–
8	Of which: re-securitization	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

(1) The Bank has no synthetic securitization exposure.

OR1 - Historical Losses

(millions of Canadian dollars)

The following table discloses the aggregate operational losses incurred over the past 10 years, based on the accounting date of the incurred losses (reported on a one quarter lag). This disclosure informs the operational risk capital calculation.

	a	b	c	d	e	f	g	h	i	j	k	
	2024 ⁽¹⁾	2023 ⁽¹⁾	2022	2021	2020	2019	2018	2017	2016	2015	Ten-year average	
Using \$30,000 CAD threshold												
1	Total amount of operational losses net of recoveries (no exclusions)	92	47	13	40	23	30	19	26	15	37	34
2	Total number of operational risk losses	255	215	149	141	157	139	104	111	100	82	145
3	Total amount of excluded operational risk losses	-	-	-	-	-	-	-	-	-	-	-
4	Total number of exclusions	-	-	-	-	-	-	-	-	-	-	-
5	Total amount of operational losses net of recoveries and net of excluded losses	92	47	13	40	23	30	19	26	15	37	34
Details of operational risk calculation												
6	Are losses used to calculate the ILM?	yes										
7	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) The amounts in these columns are calculated using the standardized approach.

OR2 - Business Indicator and Subcomponents

(millions of Canadian dollars)

The following table discloses the business indicator (BI) and its subcomponents, which informs the operational risk capital calculation.

		a	b	c
		2024	2023	2022
	BI and its subcomponents			
1	Interest, lease and dividend component	3,923	4,540	
1a	Interest and lease income	18,164	15,119	8,066
1b	Interest and lease expense	17,032	13,191	4,274
1c	Interest earning assets	342,062	331,630	302,986
1d	Dividend income	1,807	1,658	1,479
2	Services component	3,899	3,831	
2a	Fee and commission income	3,952	3,865	3,715
2b	Fee and commission expense	701	635	583
2c	Other operating income	8	11	27
2d	Other operating expense	58	91	26
3	Financial component	2,669	1,269	
3a	Net P&L on the trading book	4,299	2,677	543
3b	Net P&L on the banking book	297	61	122
4	BI	10,491	9,641	
5	Business indicator component (BIC)	1,529	1,401	
		a		
6a	BI gross of excluded divested activities	-		
6b	Reduction in BI due to excluded divested activities	-		

OR3 - Minimum Required Operational Risk Capital

(millions of Canadian dollars)

The following table provides the operational risk regulatory capital requirements.

		a	a
		2024	2023
1	Business indicator component (BIC)	1,529	1,401
2	Internal loss multiplier (ILM)	0.76	0.73
3	Minimum required operational risk capital (ORC)	1,162	1,023
4	Operational risk RWA	14,523	12,785

MR1 – Market Risk Under the Standardized Approach⁽¹⁾

(millions of Canadian dollars)

The following table displays the components of the capital requirement under the standardized approach for market risk.

		Q4 2024
		a
		Capital requirement in standardized approach
1	General interest rate risk	108
2	Equity risk	176
3	Commodity risk	64
4	Foreign exchange risk	28
5	Credit spread risk – non-securitizations	99
6	Credit spread risk – securitizations (non-correlation trading portfolio)	–
7	Credit spread risk – securitization (correlation trading portfolio)	–
8	Default risk – non-securitizations	89
9	Default risk – securitizations (non-correlation trading portfolio)	–
10	Default risk – securitizations (correlation trading portfolio)	–
11	Residual risk add-on	71
12	Total	635

(1) Instruments assigned to the banking book contrary to the general presumptions of their instrument category include listed equities and equity investments in a fund, and their total gross market value is \$629 million as at year-end. This amount includes shares of Canadian Western Bank held by the Bank amounting to \$325 million, which were transferred from the trading book to the banking book subsequent to the acceptance of the acquisition offer.

CVA3 – The Standardized Approach for CVA (SA-CVA)

(millions of Canadian dollars)

This table provides the components used for the computation of RWA under the SA-CVA for CVA risk.

		Q4 2024	
		a	b
		Capital requirements under SA-CVA	Number of counterparties
1	Interest rate risk	9	
2	Foreign exchange risk	7	
3	Reference credit spread	-	
4	Equity risk	2	
5	Commodity risk	2	
6	Counterparty credit spread risk	59	
7	Total	79	1,983

CVA4 - RWA Flow Statements of CVA Risk Exposures Under SA-CVA

(millions of Canadian dollars)

The following table presents a flow statement explaining variations in RWA for CVA risk determined under the SA-CVA.

		Q4 2024
		a
1	Total RWA for CVA at previous quarter-end	1,086
2	Total RWA for CVA at end of reporting period	989

CCyB1 - Geographical Distribution of Credit Exposures Used in the Calculation of the Bank-specific Countercyclical Capital Buffer Requirement

(millions of Canadian dollars)

The following tables provide an overview of the geographical distribution of private sector credit exposures relevant for the calculation of the bank's countercyclical capital buffer.

	Q4 2024					Q3 2024				
	a	b		d	e	a	b		d	e
	Countercyclical capital buffer rate	Exposure values and/or risk-weighted assets (RWA) used in the computation of the countercyclical capital buffer		Bank specific countercyclical capital buffer rate	Countercyclical capital buffer amount ⁽¹⁾	Countercyclical capital buffer rate	Exposure values and/or risk-weighted assets (RWA) used in the computation of the countercyclical capital buffer		Bank specific countercyclical capital buffer rate	Countercyclical capital buffer amount ⁽¹⁾
		Exposure values	RWA				Exposure values	RWA		
Geographical breakdown										
Australia (AU)	1.00%		124			1.00%		145		
France (FR)	1.00%		57			1.00%		41		
Germany (DE)	0.75%		28			0.75%		26		
Luxembourg (LU)	0.50%		67			0.50%		24		
Netherlands (NL)	2.00%		68			2.00%		64		
Sweden (SE)	2.00%		-			2.00%		-		
Hong Kong SAR (HK)	1.00%		-			1.00%		-		
United Kingdom (GB)	2.00%		410			2.00%		371		
Norway (NO)	2.50%		-			2.50%		-		
Sum			754					671		
Total			96,268	0.012%	17			95,353	0.011%	16

	Q2 2024					Q1 2024				
	a	b		d	e	a	b		d	e
	Countercyclical capital buffer rate	Exposure values and/or risk-weighted assets (RWA) used in the computation of the countercyclical capital buffer		Bank specific countercyclical capital buffer rate	Countercyclical capital buffer amount ⁽¹⁾	Countercyclical capital buffer rate	Exposure values and/or risk-weighted assets (RWA) used in the computation of the countercyclical capital buffer		Bank specific countercyclical capital buffer rate	Countercyclical capital buffer amount ⁽¹⁾
		Exposure values	RWA				Exposure values	RWA		
Geographical breakdown										
Australia (AU)	1.00%		107			1.00%		270		
France (FR)	1.00%		6			1.00%		7		
Germany (DE)	0.75%		30			0.75%		31		
Luxembourg (LU)	0.50%		33			0.50%		17		
Netherlands (NL)	1.00%		78			1.00%		70		
Sweden (SE)	2.00%		-			2.00%		-		
Hong Kong SAR (HK)	1.00%		1			1.00%		1		
United Kingdom (GB)	2.00%		347			2.00%		336		
Norway (NO)	2.50%		-			2.50%		-		
Sum			602					732		
Total			97,061	0.010%	13			95,464	0.011%	15

(1) Countercyclical capital buffer amount corresponds to Common Equity Tier 1 capital held to meet the countercyclical capital buffer requirement and is calculated by multiplying total RWA by the bank-specific countercyclical capital buffer rate.

Glossary

Advanced Internal Ratings-Based (AIRB) approach	See risk-weighted assets below.
Banking Book Equities	Banking book equities comprise mainly exposures held for strategic and other reasons.
Capital Ratio	The Bank's capital divided by risk-weighted assets. The Bank's capital can be either CET1 Capital, Tier 1 capital or Total capital, producing three different capital ratios.
Common Equity Tier 1 (CET1) capital	Common Equity Tier 1 capital consists of common shareholders' equity less goodwill, intangible assets and other capital deductions. The CET1 capital ratio is calculated by dividing total CET1 capital by the corresponding risk-weighted assets.
Corporate	All direct credit risk exposures to corporations, partnerships and proprietorships, exposures guaranteed by those entities.
Credit Risk	Credit risk is the risk of incurring a financial loss if an obligor does not fully honour its contractual commitments to the Bank. Obligors may be debtors, issuers, counterparties, or guarantors. Credit risk is the most significant risk facing the Bank in the normal course of its business. The Bank is exposed to credit risk not only through its direct lending activities and transactions but also through commitments to extend credit and through letters of guarantee, letters of credit, over-the-counter derivatives trading, debt securities, securities purchased under reverse repurchase agreements, deposits with financial institutions, brokerage activities, and transactions carrying a settlement risk for the Bank such as irrevocable fund transfers to third parties via electronic payment systems.
Drawn exposure	The amount of credit risk exposure resulting from loans and other receivables advanced to the customer.
Exposure at default (EAD)	Represents an estimate of the amount drawn and of the expected use of any undrawn portion prior to default, and cannot be lower than the current balance.
Financial Institutions	All direct credit risk exposures to deposit-taking institutions and regulated securities firms, and exposures guaranteed by those entities.
Foundation Internal Ratings-Based (FIRB) approach	See risk-weighted assets below.
Leverage ratio	The leverage ratio is calculated by dividing Tier 1 capital by total exposure. Total exposure is defined as the sum of on-balance-sheet assets (including derivative financial instruments exposures and securities financing transaction exposures) and off-balance-sheet items.
Loss given default (LGD)	Represents the magnitude of the loss from the obligor's default that would be expected in an economic downturn and subject to certain regulatory floors, expressed as a percentage of exposure at default.
Market risk	Market risk is the risk of losses arising from movements in market prices. Market risk comes from a number of factors, particularly changes to market variables such as interest rates, credit spreads, exchange rates, equity prices, commodity prices, and implied volatilities. The Bank is exposed to market risk through its participation in trading, investment, and asset/liability management activities. Trading activities involve taking positions on various instruments such as bonds, shares, currencies, commodities, or derivative financial instruments. The Bank is exposed to non-trading market risk through its asset/liability management and investment portfolios.
Operational risk	Operational risk is the risk of loss resulting from an inadequacy or a failure ascribable to human resources, equipment, processes, technology, or external events. Operational risk exists for every Bank activity. Theft, fraud, cyberattacks, unauthorized transactions, system errors, human error, amendments to or misinterpretation of laws and regulations, litigation or disputes with clients, inappropriate sales practice behaviour, or property damage are just a few examples of events likely to cause financial loss, harm the Bank's reputation, or lead to regulatory penalties or sanctions.
Other off-balance sheet	Letters of guarantee, documentary letters of credit and securitized assets that represent the Bank's commitment to make payments in the event that an obligor cannot meet its financial obligations to third parties.
Other retail	This exposure class includes consumer loans, and other retail loans but excludes SME loans which are included in Non-retail portfolios.
Over-the-counter derivatives (OTC)	The amount of credit risk exposure resulting from derivatives that trade directly between two counterparties, rather than through exchanges.
Probability of default (PD)	Represents the probability of through-the-cycle 12-month default by the obligor, calibrated on a long-run average PD throughout a full economic cycle.
Qualifying revolving retail (QRR)	This exposure class includes lines of credit and credit card receivables.
Repo-style transactions	Securities purchased under reverse repurchase agreements and sold under repurchase agreements as well as securities loaned and borrowed.
Retail Residential Mortgage	This exposure class includes residential mortgage loans on one-to-four-unit dwellings (Basel definitions) and home equity lines of credit (HELOC).
Risk-weighted assets (RWA)	Assets are risk weighted according to the guidelines established by the Office of the Superintendent of Financial Institutions (Canada). In the Standardized calculation approach, risk factors are applied to the face value of certain assets in order to reflect comparable risk levels. The Bank must use the Foundation Internal Ratings-Based (FIRB) Approach for certain specific exposure types such as large corporates and financial institutions. Under this approach, the bank can use its own estimate of probability of default (PD) but must also rely on OSFI estimates for loss given default (LGD) and exposure at default (EAD) risk parameters. In the Advanced Internal Rating-Based (AIRB) approach, risk-weighted assets are derived from the Bank's internal models, which represent the Bank's own assessment of the risks it incurs. Off-balance-sheet instruments are converted to balance sheet (or credit) equivalents by adjusting the notional values before applying the appropriate risk-weighting factors.
Scaling Factor	An add-on of 6% is applied as a calibration adjustment to the risk weighted assets amount for credit risk assessed under the AIRB approach prior to Q2 2023.
Sovereign	All direct credit risk exposures to governments, central banks and certain public sector entities, and exposures guaranteed by those entities.
Standardized approach	See risk-weighted assets.
Tier 1 capital	The sum of CET1 and Additional Tier 1 (AT1) capital forms what is known as Tier 1 capital. AT1 capital consists of eligible non-cumulative preferred shares, limited recourse capital notes (LRCN), and other AT1 capital adjustments. Tier 1 capital ratio is calculated by dividing Tier 1 capital by risk-weighted assets.
Tier 2 capital	Tier 2 capital consists of the eligible portion of subordinated debt and certain allowances for credit losses.
Total capital	Total capital is the sum of Tier 1 and Tier 2 capital. Total capital ratio is calculated by dividing total capital, less adjustments or regulatory deductions, by risk-weighted assets.
Undrawn commitments	The amount of credit risk exposure resulting from loans that have not been advanced to a customer, but which a customer may be entitled to draw in the future.