BMO Financial Group

Supplementary Regulatory Capital Information

For the Quarter Ended - April 30, 2020

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This report is unaudited and all amounts are in millions of Canadian dollars, unless otherwise indicated.



Use of this Document

The supplemental information contained in this package is designed to improve the readers' understanding of the capital requirements of BMO Financial Group (the Bank). This information should be used in conjunction with the Bank's Second Quarter 2020 Report to Shareholders and the 2019 Annual Report.

Additional financial information is also available in the Q2 2020 Supplementary Financial Information, Q2 2020 Investor Presentation as well as the Conference Call Webcast which can be accessed at our website at www.bmc.com/investorrelations.

This report is unaudited and all amounts are in millions of Canadian dollars, unless indicated otherwise.

Items indicated n.a. were not applicable.

Changes

In August 2018, Basel Committee on Banking Supervision issued a technical amendment on additional Pillar 3 disclosure requirements for regulatory treatment of accounting provisions. OSFI required Canadian Domestic Systemically Important Banks (D-SIBs) to implement such amendments by Q4 2019. We have implemented this technical amendment prospectively effective October 31, 2019.

On November 1, 2019, the impact of adoption of IFRS 16 Leases and the expiry of the transitional arrangements provided by OSFI for standardized approach for counterparty credit risk and the revised securitization framework were incorporated in our regulatory capital. In addition, OSFI discontinued the Advance Measurement Approach for operational risk

In March 2020, OSFI's letter to Federally Regulated Deposit-Taking Institutions (DTIs) introduced an adjustment to Common Equity Tier 1 (CET1) capital for Expected Credit Loss (ECL) provisioning. The adjustment to CET1 capital is measured each quarter as the increase in Stage 1 and Stage 2 allowances relative to January 31, 2020. The increased amount is adjusted for tax effects and subject to a scaling factor. The scaling factor is set at 70% in fiscal 2020, 50% in fiscal 2021 and 25% in fiscal 2022. We have implemented this adjustment prospectively effective Q2 2020.

In March 2020, the Stressed Value-at-Risk (SVaR) multipliers set out in OSFI's Capital Adequacy Requirements (CAR) Guideline, under market risk, was reduced by two. This reduction was applied retroactively for the entirety of Q2 2020.

In April 2020, the capital floor factor set out in OSFI's CAR Guideline, section 1.9, which applies to institutions using the Internal Ratings Based approach to credit risk was lowered from 75% to 70%, effective Q2 2020, and it will remain in place through Q4 2022.

In April 2020, OSFI announced temporary exclusions to the Leverage Ratio Requirements. Such exclusions are limited to central bank reserves and securities issued by sovereigns that qualify as High Quality Liquid Assets under the Liquidity Adequacy Requirements Guideline. We have adopted this treatment prospectively effective Q2 2020 and it will remain in place until Q2 2021.

Users may provide their comments and suggestions on the Supplementary Regulatory Capital Information document by contacting Bill Anderson at (416) 867-7834 or bill2.anderson@bmo.com

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Interest Rate Risk in the Banking Qualitative information on IRRBB Annual 89-90	Operational Risk		Annual			100-103	
Rook If Juantitative information on IMPRR		Quantitative information on IRRBB	Annual	1		90	

⁽¹⁾ Refer to Q4 2019 Supplementary Regulatory Capital Information for CR9 - IRB - Backtesting of probability of default (PD) per portfolio quantitative disclosure.

CC	1 - COMPOSITION OF REGULATORY CAPITAL (1) (2)	Cross					
(\$ m	llions except as noted)	reference (3)	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
	Common Equity Tier 1 Capital: instruments and reserves						
1	Directly issued qualifying common share capital plus related stock surplus	a+b	13,301	13,301	13,274	13,261	13,246
2	Retained earnings	C	29,426	29,510	28,725	28,241	27,405
3	Accumulated other comprehensive income (and other reserves)	d	7,159	4,017	3,729	3,793	4,054
4	Directly issued capital subject to phase out from CET1 Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)		n.a.	n.a.	n.a.	n.a.	n.a.
6	Common Equity Tier 1 Capital before regulatory adjustments		49.886	46.828	45.728	45,295	44.705
Ť	Common Equity Tier 1 Capital: regulatory adjustments		10,000	10,020	10,120	10,200	,,
7	Prudential valuation adjustments		153	146	138	141	163
8	Goodwill (net of related tax liability)	e+f-g	6,615	6,241	6,193	6,181	6,353
9	Other intangibles other than mortgage-servicing rights (net of related tax liability)	h-i	2,241	2,154	2,138	2,046	2,044
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liability)	j-k	272	251	361	478	646
11	Cash flow hedge reserve	I	2,148	748	513	528	202
12	Shortfall of provisions to expected losses	m	-	182	230	196	267
13 14	Securitization gain on sale		264	(165)	(85)	(152)	(182)
15	Gains or losses due to changes in own credit risk on fair valued liabilities Defined benefit pension fund net assets (net of related tax liability)	n-o	120	117	169	214	430
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	p	120	10	103	214	6
17	Reciprocal cross holdings in common equity	۲	_	-	_	_	-
18	Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions						
	(amount above 10% threshold)		-	-	-	-	-
19	Significant investments in the common stock of banking, financial and insurance entities that are outside the scope of						
	regulatory consolidation, net of eligible short positions (amount above 10% threshold)		-	-	-	-	-
20	Mortgage servicing rights (amount above 10% threshold)		-	-	-	-	-
21	Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability)		-	-	-	-	-
22	Amount exceeding the 15% threshold						
23 24	of which: significant investments in the common stock financials		-	-	-	-	-
25	of which: mortgage servicing rights of which: deferred tax assets arising from temporary differences		-	-	-	-	-
26	Other deductions or regulatory adjustments to CET1 as determined by OSFI (4)		(352)	-	[]	-	-
27	Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 and Tier 2 to cover	q	(332)	=	-	=	-
	deductions		_	_	_	_	_
28	Total regulatory adjustments to Common Equity Tier 1 Capital		11.461	9.684	9,657	9,632	9.929
	Common Equity Tier 1 Capital (CET1)		38,425	37,144	36,071	35,663	34,776
29a	Common Equity Tier 1 Capital (CET1) with transitional arrangements for ECL provisioning not applied		38,073	n.a.	n.a.	n.a.	n.a.
	Additional Tier 1 Capital: instruments						
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus	r	5,058	5,058	5,058	5,058	4,400
31	of which: classified as equity under applicable accounting standards		5,058	5,058	5,058	5,058	4,400
32 33	of which: classified as liabilities under applicable accounting standards Directly issued capital instruments subject to phase out from Additional Tier 1	s	290	290	290	290	290
34	Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third	8	290	290	290	290	290
34	parties (amount allowed in group AT1)		_	_	_	_	_
35	of which: instruments issued by subsidiaries subject to phase out		-	-	-	-	-
	Additional Tier 1 Capital before regulatory adjustments		5,348	5,348	5,348	5,348	4,690
	Additional Tier 1 Capital: regulatory adjustments						
37	Investments in own Additional Tier 1 instruments	t	3	1	5	4	6
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		70	213	213	213	213
41	regulatory consolidation, net of eliqible short positions Other deductions from Tier 1 Capital as determined by OSFI	u	78	213	213	213	213
41a	of which: Reverse mortgages		_	-	[]	-	-
418	Regulatory adjustments applied to Additional Tier 1 due to insufficient Tier 2 to cover deductions]		- [-	- 1
	Total regulatory adjustments applied to Additional Tier 1 Capital		81	214	218	217	219
	Additional Tier 1 Capital (AT1)		5,267	5,134	5,130	5,131	4,471
45	Tier 1 Capital (T1 = CET1 + AT1)		43,692	42,278	41,201	40,794	39,247
45a	Tier 1 Capital with transitional arrangements for ECL provisioning not applied		43,340	n.a.	n.a.	n.a.	n.a.
	Tier 2 Capital: instruments and provisions						
46	Directly issued qualifying Tier 2 instruments plus related stock surplus	V	7,198	6,878	6,850	6,731	6,809
47	Directly issued capital instruments subject to phase out from Tier 2 Capital	w	146	145	145	145	144
48	Tier 2 instruments (and CET1 and AT1 instruments not included in row 5 or 34) issued by subsidiaries and held by						
49	third parties (amount allowed in group Tier 2 Capital) of which: instruments issued by subsidiaries subject to phase out			-	- [-	- 1
50	General allowances	×	238	193	194	194	187
	Tier 2 Capital before regulatory adjustments		7,582	7,216	7,189	7,070	7,140
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(1) Regulatory capital assumes that all Basel III regulatory adjustments are applied effective January 1, 2013 and that the capital value of instruments which no longer qualify as regulatory capital under Basel III rules will be phased out at a rate of 10% per year from January 1, 2013 and continuing to January 1, 2022.

⁽²⁾ Row numbering, as per OSFI May 2018 advisory, is provided for consistency and comparability in the disclosure of elements of capital among banks and across jurisdictions. Banks are required to maintain the same row numbering per OSFI advisory. Where there is no value in a row, institutions should report n.a. or nil and the row number must not change.

(3) Cross reference to CC2 - Reconciliation of Regulatory Capital to Balance Sheet (page 5).

⁽⁴⁾ Effective Q2 2020, represents the transitional arrangements for the capital treatment of ECL provisioning announced by OSFI in March 2020 applying a scaling factor. The scaling factor is set at 70% in fiscal 2020, 50% in fiscal 2021 and 25% in fiscal 2022.



	Cross					
(\$ millions except as noted)	reference	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Tier 2 Capital: regulatory adjustments						
52 Investments in own Tier 2 instruments	у	16	6	-	25	29
53 Reciprocal cross holdings in Tier 2 instruments and Other TLAC-eligible instruments		-	-	-	-	-
Non-significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible						
instruments issued by 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)		-	-	-	-	-
Non-significant investments in the other TLAC-eligible instruments issued by G-SIBs and Canadian D-SIBs, where the						
institution does not own more than 10% of the issued common share capital of the entity: amount previously						
designated for the 5% threshold but that no longer meets the conditions		-	-	-	-	-
55 Significant investments in the capital of banking, financial and insurance entities and Other TLAC-eligible instruments						
issued by G-SIBs and Canadian D-SIBs that are outside the scope of regulatory consolidation, net of eligible short positions	z	50	50	50	50	50
56 Other deductions from Tier 2 capital		-	-	-	-	-
57 Total regulatory adjustments to Tier 2 Capital		66	56	50	75	79
58 Tier 2 Capital (T2)		7,516	7,160	7,139	6,995	7,061
59 Total Capital (TC = T1 + T2)		51,208	49,438	48,340	47,789	46,308
59a Total Capital with transitional arrangements for ECL provisioning not applied		51,208	n.a.	n.a.	n.a.	n.a.
60 Total Risk-Weighted Assets						
60a Common Equity Tier 1 (CET 1) Capital RWA (1)		348,167	325,647	317,029	313,003	308,844
60b Tier 1 Capital RWA (1) 60c Total Capital RWA (1)		348,167 348,167	325,647 325,647	317,029 317,029	313,003 313,003	308,844 308.844
Capital Ratios		340,107	323,047	317,029	313,003	300,044
61 Common Equity Tier 1 (as percentage of risk-weighted assets)		11.0%	11.4%	11.4%	11.4%	11.3%
61a CET1 Ratio with transitional arrangements for ECL provisioning not applied		10.9%	n.a.	n.a.	n.a.	n.a.
62 Tier 1 (as percentage of risk-weighted assets)		12.5%	13.0%	13.0%	13.0%	12.7%
62a Tier 1 Capital Ratio with transitional arrangements for ECL provisioning not applied		12.4%	n.a.	n.a.	n.a.	n.a.
63 Total Capital (as percentage of risk-weighted assets)		14.7%	15.2%	15.2%	15.3%	15.0%
63a Total Capital Ratio with transitional arrangements for ECL provisioning not applied		14.7%	n.a.	n.a.	n.a.	n.a.
64 Buffer (minimum CET1 plus capital conservation buffer plus G-SIB buffer plus D-SIB buffer requirement, expressed		0.00/	0.00/	2.20/	0.00/	0.00/
as a percentage of risk-weighted assets) 65 of which: capital conservation buffer		8.0% 2.5%	8.0% 2.5%	8.0% 2.5%	8.0%	8.0% 2.5%
65 of which: capital conservation buffer 66 of which: bank specific countercyclical buffer		2.5% 0.0%	0.0%	2.5% 0.0%	2.5% 0.0%	0.0%
67 of which: G-SIB buffer		n.a.	n.a.	n.a.	n.a.	n.a.
67a of which: D-SIB buffer		1.0%	1.0%	1.0%	1.0%	1.0%
68 Common Equity Tier 1 available to meet buffers (as a percentage of risk weighted assets)		11.0%	11.4%	11.4%	11.4%	11.3%
OSFI target (minimum + capital conservation buffer + D-SIB buffer (if applicable))						
69 Common Equity Tier 1 target ratio		8.0%	8.0%	8.0%	8.0%	8.0%
70 Tier 1 capital target ratio		9.5%	9.5%	9.5%	9.5%	9.5%
71 Total capital target ratio Amounts below the thresholds for deduction (before risk weighting)		11.5%	11.5%	11.5%	11.5%	11.5%
72 Non-significant investments in the capital and Other TLAC-eligible instruments of other financial entities	a1 - b1	828	714	428	998	702
73 Significant investments in the common stock of financials	c1	1,796	1,878	1,796	1,875	1,863
74 Mortgage servicing rights (net of related tax liability)	d1	35	40	43	45	49
75 Deferred tax assets arising from temporary differences (net of related tax liability)	e1 - f1	1,585	1,756	1,653	1,628	1,651
Applicable caps on the inclusion of provisions in Tier 2						
Provisions eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to						
application of cap)		263	193	195	194	187
77 Cap on inclusion of provisions in Tier 2 under standardized approach 78 Provisions eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings based approach (prior to		263	193	195	194	187
78 Provisions eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings based approach (prior to application of cap)		1,767	1,233	1 104	1.165	1 110
79 Cap on inclusion of provisions in Tier 2 under internal ratings-based approach		327	1,233	1,194	1,105	1,119
Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and		527	- [-	-	-
1 Jan 2022)						
80 Current cap on CET1 instruments subject to phase out arrangements		-	-	-	-	-
81 Amounts excluded from CET1 due to cap (excess over cap after redemptions and maturities)		-	-	-	-	-
82 Current cap on AT1 instruments subject to phase out arrangements		864	864	1,296	1,296	1,296
83 Amounts excluded from AT1 due to cap (excess over cap after redemptions and maturities)			-			
84 Current cap on T2 instruments subject to phase out arrangements		1,027	1,027	1,540	1,540	1,540
85 Amounts excluded from T2 due to cap (excess over cap after redemptions and maturities) (1) Under OSEI's CAR Guideline, which governs advanced approaches, the Rank calculates a Basel Capital Floor and increases in	<u> </u>		-	-	-	-

⁽¹⁾ Under OSFI's CAR Guideline, which governs advanced approaches, the Bank calculates a Basel Capital Floor and increases its risk-weighted assets to the extent such floor applies. Based on these requirements, there was no capital floor applicable for Q2 2019 through Q2 2020.

s millors)	LINE	Balance sheet as in Report to Shareholders Q2 2020	Under regulatory scope of consolidation (1) Q2 2020	Cross Reference (2)
ssets				
ash and Cash Equivalents	1	71.593	71.337	
nterest Bearing Deposits with Banks	2	7.687	7,620	
ecurities	3	213.908	203.889	
Investments in own shares CET1 (if not already netted off paid-in capital on reported balance sheet)	4	,	,	р
Investments in own Additional Tier 1 instruments not derecognized for accounting purposes	5		3	i
Investments in own Tier 2 instruments not derecognized for accounting purposes	6		16	٧
Non-significant investments in the capital and other TLAC-eligible instruments of other financial entities (3)	7		17,141	á1
Significant investments in the common stock of financials exceeding regulatory thresholds (4)	8		´ - l	
Significant investments in the common stock of financials not exceeding regulatory thresholds (4)	9		1,796	c1
Goodwill embedded in significant investments	10		58	e
Significant investments in the Additional Tier 1 instruments of banking, financial and insurance entities that are outside the scope of regulatory consolidation	11		78	ū
Significant investments in the Tier 2 instruments of banking, financial and insurance entities that are outside the scope of regulatory consolidation	12		50	z
ecurities Borrowed or Purchased Under Resale Agreements	13	119,058	119,058	
oans				
Residential mortgages	14	125.534	125.534	
Consumer installment and other personal	15	69,818	69,818	
Credit cards	16	7,672	7,672	
Business and governments	17	268,695	268,489	
Allowance for credit losses	18	(2,776)	(2,776)	
Transitional arrangements for capital treatment of ECL provisioning included in CET1	19		352	q
Allowance reflected in Tier 2 regulatory capital	20		238	x
Shortfall of provisions to expected loss	21		-	m
otal net loans	22	468,943	468,737	
ther Assets				
Derivative instruments	23	41,150	41,144	
Customers' liability under acceptances	24	22,473	22,473	
Premises and equipment	25	3,973	3,868	
Goodwill	26	6,785	6,785	f
Intangible assets	27	2,526	2,526	h
Current tax assets	28	1.898	1.867	
Deferred tax assets (5)	29	1,391	1.391	
Deferred tax assets excluding those arising from temporary differences	30	.,551	341	i
Deferred tax assets arising from temporary differences	31		1.986	,
of which exceeding regulatory thresholds	32		1,300	
of which not exceeding regulatory thresholds	33		1.986	e1
Other	34	25.682	24,255	eı
		25,682		
Defined-benefit pension fund net assets	35		138	n
Mortgage servicing rights	36		35	
of which exceeding regulatory thresholds	37		-	
of which not exceeding regulatory thresholds	38		35	d1

alance sheet under								

Total Assets

(1) Balance sheet under regulatory scope does not include the following entities: BMO Life Insurance Company and BMO Reinsurance Limited.

BMO Life Insurance Company (\$11,701 million assets and nominal equity) covers the development and marketing of individual and group life, accident and health insurance and annulty products in Canada. BMO Reinsurance Limited (\$416 million assets and nominal equity) covers the reinsurance of life, health and disability insurance risks as well as property & casualty insurance risks. including catastrophe risks. The business reinsural os written by insurers and reinsurers principally in North America and Europe.

(2) Cross reference to CC1 - Composition of Regulatory Capital (pages 3 and 4).

(3) Includes synthetic hodings of non-significant capital investments in banking, financial and insurance entities.

(4) Under Basel III, significant investments in financial services entities that are outside the scope of regulatory consolidation are deducted from the Bank's capital using the corresponding deduction approach (e.g. investments in non-common Tier 1 are deducted from the Bank's non-common Tier 1 capital) except that investments in common equity capital of a significant investment which represents less than 10% of the Bank's CET1 are risk weighted at 250% and are not deducted provide the sum of such investments, deferred tax assets related to timing differences and mortgage servicing rights are less than 15% of the Bank's CET1. Goodwill embedded in significant investments is separated and is shown in the corresponding line below.

(5) Deferred tax assets and liabilities are presented on the balance sheet net by legal jurisdiction.

	LINE	Balance sheet as in Report to Shareholders	Under regulatory scope of consolidation (1)	Cross Reference (2)
	#	Q2 2020	Q2 2020	
Liabilities and Equity				
Deposits	40	653.710	653.710	
Other Liabilities		999): 19	444)4	
Derivative instruments	41	45.909	45.516	
Acceptances	42	22.473	22.473	
Securities sold but not yet purchased	43	30.212	30.212	
Non-significant investments in the capital and other TLAC-eligible instruments of other financial entities (3)	44	,	16.313	b1
Securities lent or sold under repurchase agreements	45	105.943	105.943	
Securitization and structured entities' liabilities	46	27.888	27.888	
Current tax liabilities	47	88	88	
Deferred tax liabilities (5)	48	65	62	
related to goodwill	49		228	g
related to intangibles	50		285	i
related to defined-benefit pension fund net assets	51		18	0
related to deferred tax assets excluding those arising from temporary differences	52		69	k
related to deferred tax assets arising from temporary differences	53		401	f1
Other	54	38,201	26,480	
Total other liabilities	55	270,779	258,662	
Subordinated Debt				
Subordinated debt	56	7,344	7,344	
Directly issued qualifying subordinated debt	57		7,198	v
Directly issued subordinated debt subject to phase out	58		146	w
Equity				
Preferred shares and other equity instruments	59	5,348	5,348	
Directly issued qualifying Additional Tier 1 instruments	60		5,058	г
Directly issued Additional Tier 1 instruments subject to phase out	61		290	s
Common shares	62	13,000	13,000	a
Contributed surplus	63	301	301	b
Retained earnings	64	29,426	29,426	С
Accumulated other comprehensive income	65	7,159	7,159	d
of which: Cash flow hedges	66	,	2.148	1
Total Equity	67	55,234	55,234	
Total Liabilities and Equity	68	987.067	974.950	

FLOW STATEMENT OF BASEL III REGULATORY CAPITAL



	LINE					
(\$ millions)	#	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Common Equity Tier 1 Capital						
Opening Balance	1	37,144	36,071	35,663	34,776	33,726
New capital issues	2	2	27	13	19	25
Redeemed capital	3	-	-	-	-	-
Gross dividends and distributions (deduction)	4	(730)	(748)	(710)	(717)	(687
Net Income attributable to equity holders of the Bank	5	689	1,592	1,194	1,557	1,497
Removal of own credit spread (net of tax)	6	(429)	80	(67)	(29)	110
Movements in other comprehensive income						
Currency translation differences	7	1,183	162	18	(483)	453
Fair value through other comprehensive income securities	8	134	90	39	98	31
Other (1)	9	424	(198)	(106)	(202)	(100
Goodwill and other intangible assets (deduction, net of related tax liability)	10	(461)	(64)	(104)	170	(128
Other, including regulatory adjustments and transitional arrangements		` '	, ,	` ′		`
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	11	(21)	110	117	168	139
Prudential valuation adjustments	12	(7)	(8)	3	22	(7
Other (2) (5)	13	497	30	11	284	(283
Closing Balance	14	38,425	37,144	36,071	35,663	34,776
Other non-core Tier 1 (Additional Tier 1) Capital						
Opening Balance	15	5,134	5,130	5,131	4,471	4,121
New non-core tier 1 (Additional Tier 1) eligible capital issues	16	5,154	5,130	5,131	658	350
Redeemed capital	17	-		-	030	330
Other, including regulatory adjustments and transitional arrangements (3)	18	133	4	(1)	2	
Closing Balance	19	5.267	5,134	5,130	5,131	4,471
Total Tier 1 Capital	20	43,692	42,278	41,201	40,794	39,247
Tier 2 Capital						
Opening Balance	21	7,160	7,139	6,995	7,061	6,942
New Tier 2 eligible capital issues	22	- , , , , ,	-,	1,000	-,	2,012
Redeemed capital	23	_	_	(1,000)	_	
Amortization adjustments	24	_ [_	(1,000)	_	
Other, including regulatory adjustments and transitional arrangements (4)	25	356	21	144	(66)	119
Closing Balance	26	7,516	7,160	7.139	6,995	7,06′
Total Regulatory Capital	27	51.208	49.438	48.340	47.789	46.308
(1) Includes: AOCI on pension and other post-employment benefits and on own credit risk financial liabilities designate		01,200	10, 100	10,040	17,700	13,000

- (1) Includes: AOCI on pension and other post-employment benefits and on own credit risk financial liabilities designated at fair value.
- (2) Includes: Capital deductions for expected loss in excess of allowances, defined benefit pension assets (net of related deferred tax liability), investment in own shares, changes in contributed surplus and threshold deductions.
- (3) Includes: Changes in non-qualifying capital instruments.
- (4) Includes: Changes in non-qualifying capital instruments and eligible allowances.
- (5) Effective Q2 2020, includes the transitional arrangements for the capital treatment of ECL provisioning announced by OSFI in March 2020. Q1 2020 includes the impact to retained earnings resulting from IFRS 16 adoption.

CAPITAL RATIOS FOR SIGNIFICANT BANK SUBSIDIARIES	LINE #	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Port (Market Market County) - Port III (I)						
Bank of Montreal Mortgage Corporation - Basel III (1)						
Common Equity Tier 1 ratio	1	22.1%	19.8%	19.1%	22.7%	23.6%
Tier 1 ratio	2	22.1%	19.8%	19.1%	22.7%	23.6%
Total capital ratio	3	22.3%	20.0%	19.4%	23.1%	24.0%
BMO Harris Bank N.A Basel III (2)						
Tier 1 ratio	4	11.2%	11.3%	11.3%	11.4%	11.7%
Total capital ratio	5	12.4%	12.5%	12.4%	12.5%	12.9%

⁽¹⁾ Capital ratios assume that all Basel III regulatory adjustments are applied effective January 1, 2013 and that the capital value of instruments which no longer qualify as regulatory capital under Basel III rules will be phased out at a rate of 10% per year from January 1, 2013, continuing to January 1, 2022.

⁽²⁾ Calculated using U.S. Basel III guidelines currently in effect for U.S. regulatory purposes and based on BMO Harris N.A.'s calendar quarter ends: March 2020, December 2019, September 2019, June 2019, and March 2019.

BMO (A) Financial Group KM2 - KEY METRICS - TLAC REQUIREMENTS (1) (2) Q2 2020 Q1 2020 Q4 2019 Q3 2019 Q2 2019 (\$ millions except as noted) а b С d 1 Total loss-absorbing capacity (TLAC) available 74,406 67,625 64,588 60,723 55,389 74.406 1a Total loss-absorbing capacity (TLAC) available with transitional arrangements for ECL provisioning not applied n.a. n.a. n.a. n.a. 2 Total RWA at the level of the resolution group 348.167 325.647 317.029 313.003 308.844 3 TLAC ratio: TLAC as a percentage of RWA (row 1 / row 2) (%) 21.4 % 20.8 % 20.4 % 19.4 % 17.9 % 3a TLAC ratio: TLAC as a percentage of RWA (row 1a / row 2) (%) available with transitional arrangements for ECL provisioning not applied 21.4 % n.a. n.a. n.a. n.a. 4 Leverage ratio exposure measure at the level of the resolution group 945,468 985,382 956,493 943,275 931,500 5 TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure (row 1 / row 4) (%) 7.9 % 6.9 % 6.8 % 6.4 % 5.9 % 5a TLAC Leverage Ratio: TLAC as a percentage of leverage ratio exposure measure with transitional arrangements for ECL provisioning not applied (row 1a / row 4) (%) 7.9 % n.a. n.a. n.a. n.a. 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.

- (1) BMO Financial Group uses the Single Point of Entry approach whereby the parent bank is the single resolution entity on which the resolution measures are applied. KM2 is reported on a consolidated basis excluding insurance subsidiaries.
- (2) Lines 1, 3 and 5 incorporate transitional arrangements for the capital treatment of ECL provisioning announced by OSFI in March 2020 applying a scaling factor. The scaling factor is set at of 70% in fiscal 2020, 50% in fiscal 2021 and 25% in fiscal 2022. Lines 1a, 3a and 5a represent TLAC available with transitional arrangements for ECL provisioning not applied.

TLAC1 - TLAC COMPOSITION (1)			ВМ	IO 🖀 Financ	cial Group
TEACT - TEAC COMPOSITION (1)	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
(\$ millions except as noted)	а	b	С	d	е
Regulatory capital elements of TLAC and adjustments					
1 Common Equity Tier 1 capital (CET1)	38,425	37,144	36,071	35,663	34,776
2 Additional Tier 1 capital (AT1) before TLAC adjustments	5,267	5,134	5,130	5,131	4,471
3 AT1 ineligible as TLAC as issued out of subsidiaries to third parties	-	-	-	-	-
4 Other adjustments	-	-	-	-	-
5 AT1 instruments eligible under the TLAC framework	5,267	5,134	5,130	5,131	4,471
6 Tier 2 capital (T2) before TLAC adjustments	7,516	7,160	7,139	6,995	7,061
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	- 7.510		-	-	-
10 T2 instruments eligible under the TLAC framework	7,516	7,160	7,139	6,995	7,061
11 TLAC arising from regulatory capital	51,208	49,438	48,340	47,789	46,308
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	00.400	40.407	40.040	40.000	0.404
meet all other TLAC term sheet requirements	23,198	18,187	16,248	12,992	9,164
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	- 00.400	40.407	- 40.040	40.000	- 0.404
17 TLAC arising from non-regulatory capital instruments before adjustments	23,198	18,187	16,248	12,992	9,164
Non-regulatory capital elements of TLAC: adjustments	74.400	07.005	0.4.500	00.704	55.470
18 TLAC before deductions	74,406	67,625	64,588	60,781	55,472
19 Deductions of exposures between MPE resolution groups that correspond to items eligible for TLAC (not					
applicable to SPE G-SIBs and D-SIBs)	-	-	-	(50)	(00)
20 Deduction of investments in own other TLAC liabilities	-	-	-	(58)	(83)
21 Other adjustments to TLAC	74.400	07.005	- 04.500	- 00.700	-
22 TLAC available after deductions	74,406	67,625	64,588	60,723	55,389
Risk-weighted assets and leverage exposure measure for TLAC purposes	240.407	205.647	247.000	242.002	200.044
23 Total risk-weighted assets adjusted as permitted under the TLAC regime	348,167 945,468	325,647 985.382	317,029 956,493	313,003 943,275	308,844 931,500
24 Leverage exposure measure TLAC ratios and buffers	945,468	985,382	956,493	943,275	931,500
25 TLAC Ratio (as a percentage of risk-weighted assets adjusted as permitted under the TLAC regime)	24.4.0/	20.0.0/	20.4.0/	19.4 %	17.9 %
	21.4 % 7.9 %	20.8 %	20.4 %		
26 TLAC Leverage Ratio (as a percentage of leverage exposure)	7.9 %	6.9 %	6.8 %	6.4 %	5.9 %
27 CET1 (as a percentage of risk-weighted assets) available after meeting the resolution group's minimum capital					
and TLAC requirements (2)	n.a.	n.a.	n.a.	n.a.	n.a.
28 Institution-specific buffer (capital conservation buffer plus countercyclical buffer plus higher loss absorbency,	2.5.0/	2.5.0/	2.5.0/	2.5.0/	2.5.0/
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⁾ BMO Financial Group uses the Single Point of Entry approach whereby the parent bank is the single resolution entity on which the resolution measures are applied.

TLAC1 is reported on a consolidated basis excluding insurance subsidiaries.

(2) Completion of this row is not required by OSFI at this time.

							вмо △ ° в	inancial Group			
П	LAC3 - RESOLUTION ENTITY - CREDITOR RANKING AT	Q2 2020									
	EGAL ENTITY LEVEL (1)	Creditor ranking									
		1	2	3	4	5	6	Sum			
(\$	millions)	(most junior)					(most senior)	1 to 6			
				Additional Tier 1							
1	Description of creditor ranking	Common shares	Preferred shares	Instruments	Subordinated debt	Bail-in debt (2)	Other liabilities (3)				
2	Total capital and liabilities net of credit risk mitigation	13,000	4,690	658	7,174	24,267	-	49,789			
3	Subset of row 2 that are excluded liabilities	-	3	-	16	· -	-	19			
4	Total capital and liabilities less excluded liabilities (row 2 minus row 3)	13,000	4,687	658	7,158	24,267	-	49,770			
	Subset of row 4 that are potentially eligible as TLAC	13,000	4,687	658	7,158	22,773	-	48,276			
6	Subset of row 5 with 1 year ≤ residual maturity < 2 years	-	-	-	-	4,342	-	4,342			
7	Subset of row 5 with 2 years ≤ residual maturity < 5 years	-	-	-	-	14,187	-	14,187			
	Subset of row 5 with 5 years ≤ residual maturity < 10 years	-	-	-	5,317	2,401	-	7,718			
	Subset of row 5 with residual maturity ≥ 10 years, but excluding perpetual securities	-	-	-	1,841	1,843	-	3,684			
1	Subset of row 5 that is perpetual securities	13,000	4,687	658	-	-	-	18,345			

(1) Instruments are reported at nominal values.
(2) 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) Completion of this column is not required by OSFI at this time.



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

(\$	millions)	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
	Total consolidated assets as per published financial statements	987,067	879,720	852,195	839,180	830,470
	2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	(11,890)	(12,409)	(11,803)	(11,583)	(10,966)
	Adjustment for securitized exposures that meet the operational requirements for the recognition of risk transference	(9,496)	(9,257)	(9,178)	(7,956)	(8,159)
	Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure		-			-
	5 Adjustments for derivative financial instruments	(8,049)	9,247	9,625	9,405	11,836
	6 Adjustment for securities financing transactions (i.e. repo assets and similar secured lending)	5,006	2,811	2,377	4,725	2,137
	7 Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	122,695	125,333	123,237	119,506	116,512
	3 Other adjustments (1)	(139,865)	(10,063)	(9,960)	(10,002)	(10,330)
	Eleverage Ratio Exposure Measure	945,468	985,382	956,493	943,275	931,500

LR2 - LEVERAGE RATIO COMMON DISCLOSURE		Lever	age ratio frame	work	
(\$ millions except as noted)	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
On-balance sheet exposures					
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	677,241	730,478	705,066	690,830	680,314
2 Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework	-	-	-	-	-
3 (Deductions of receivables assets for cash variation margin provided in derivative transactions)	(11,070)	(4,411)	(4,248)	(3,784)	(4,152)
4 (Asset amounts deducted in determining transitional Tier 1 capital)	(11,630)	(10,063)	(9,960)	(10,002)	(10,330)
5 Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 to 4)	654,541	716,004	690,858	677,044	665,832
Derivative exposures					
6 Replacement cost associated with all derivative transactions (2)	25,558	14,256	14,364	14,502	14,792
7 Add-on amounts for potential future exposure associated with all derivative transactions (3)	22,622	23,448	23,699	22,488	24,369
8 (Exempted central counterparty-leg of client cleared trade exposures)	(4,153)	(2,206)	(2,082)	(1,602)	(2,557)
9 Adjusted effective notional amount of written credit derivatives	17,190	13,683	10,451	7,608	5,038
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(17,051)	(13,491)	(10,416)	(7,608)	(5,028)
11 Total derivative exposures (sum of lines 6 to 10)	44,166	35,690	36,016	35,388	36,614
Securities financing transaction exposures					
12 Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	120,618	108,378	104,950	107,488	111,825
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	(5,060)	(6,522)	(3,484)	(2,411)	(5,661)
14 Counterparty credit risk (CCR) exposure for SFTs	8,508	6,499	4,916	6,260	6,378
15 Agent transaction exposures	-	-	-	-	-
16 Total securities financing transaction exposures (sum of lines 12 to 15)	124,066	108,355	106,382	111,337	112,542
Other off-balance sheet exposures					
17 Off-balance sheet exposure at gross notional amount	388,988	384,529	377,283	372,363	363,391
18 (Adjustments for conversion to credit equivalent amounts)	(266,293)	(259,196)	(254,046)	(252,857)	(246,879)
19 Off-balance sheet items (sum of lines 17 and 18)	122,695	125,333	123,237	119,506	116,512
Capital and Total Exposures					
20 Tier 1 capital	43,692	42,278	41,201	40,794	39,247
20a Tier 1 Capital with transitional arrangements for ECL provisioning not applied	43,340	n.a.	n.a.	n.a.	n.a.
21 Total Exposures (sum of lines 5, 11, 16 and 19)	945,468	985,382	956,493	943,275	931,500
Leverage Ratios					
22 Basel III leverage ratio	4.6%	4.3%	4.3%	4.3%	4.2%
22a Leverage ratio with transitional arrangements for ECL provisioning not applied	4.6%	n.a.	n.a.	n.a.	n.a.

- (1) Includes temporary exclusions announced by OSFI in April 2020.
 (2) Represents replacement cost after applying alpha equal to 1.4.
 (3) Represents potential future exposure after applying alpha equal to 1.4.

OV1 - OVERVIEW OF RWA (1)	RWA (2)					Minimum capital requirements
	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019	Q2 2020
(\$ millions)	а	b	С	d	е	f
1 Credit risk (excluding counterparty credit risk (CCR))	263,753	246,037	240,523	237,432	231,966	21,100
2 Of which standardized approach (SA)	44,572	43,796	42,523	43,843	42,281	3,566
3 Of which internal rating-based (IRB) approach	219,181	202,241	198,000	193,589	189,685	17,534
4 Counterparty credit risk	20,210	18,204	15,987	15,494	15,861	1,616
5 Of which standardized approach for counterparty credit risk (SA-CCR)	9,197	8,128	7,161	6,866	6,827	736
6 Of which internal model method (IMM)	-	-	-	-	-	-
6a Of which comprehensive approach for credit risk mitigation (for SFTs)	3,181	3,327	2,961	2,761	2,877	254
6b Of which CVA capital charge	7,164	6,182	5,400	5,350	5,622	573
6c Of which exposures to QCCP	668	567	465	517	535	53
7 Equity positions in banking book under market-based approach	-	-	-	-	-	-
8 Equity investments in funds – look-through approach	113	104	63	40	77	9
9 Equity investments in funds – mandate-based approach	1,279	1,145	1,126	1,018	909	102
10 Equity investments in funds – fall-back approach	194	199	126	122	139	16
11 Settlement risk	372	5	4	37	3	30
12 Securitization exposures in banking book	5,779	4,309	2,722	3,133	2,770	462
Of which subject to the transitional arrangement (3)	-	-	(1,304)	(1,304)	(1,304)	-
13 Of which securitization internal ratings-based approach (SEC-IRBA)	4,007	2,815	2,903	3,545	3,136	321
14 Of which securitization external ratings-based approach (SEC-ERBA), including internal						
assessment approach (IAA)	304	306	180	231	221	24
15 Of which securitization standardized approach (SEC-SA)	1,468	1,188	943	661	717	117
16 Market risk	10,525	9,590	11,183	10,713	12,332	842
17 Of which standardized approach (SA) (4)	831	904	1,173	799	251	66
18 Of which internal model approaches (IMM)	9,694	8,686	10,010	9,914	12,081	776
19 Operational risk	37,402	36,870	36,565	36,143	35,877	2,992
20 Of which Basic Indicator Approach	48	49	50	51	51	4
21 Of which Standardized Approach (5)	37,354	36,821	2,052	2,057	2,058	2,988
22 Of which Advanced Measurement Approach (5)	-	-	34,463	34,035	33,768	-
23 Amounts below the thresholds for deduction (subject to 250% risk weight)	8,540	9,184	8,730	8,871	8,910	683
24 Floor adjustment (6)	-	-	-	-		-
(4) Total	348,167	325,647	317,029	313,003	308,844	27,852

- (1) RWA were \$348.2 billion as at April 30, 2020, up from \$325.6 billion as at January 31, 2020, from growth driven by strong lending, the impact of foreign exchange movements and changes in asset quality.
- (2) The scaling factor is applied to the risk-weighted asset amounts as applicable.
- (3) For Q2 2019 through Q4 2019, OSFI provided grandfathering of the revised securitization capital treatment for one year through a negative adjustment to risk-weighted assets that effectively eliminates the initial increase in risk weights.
- (4) Standardized approach market risk RWA reflects specific risk on securitization positions in the trading book.
- (5) Effective Q1 2020, OSFI discontinued the Advanced Measurement Approach for operational risk.
- (6) Under OSFI's CAR Guideline, which governs advanced approaches, the Bank calculates a Basel Capital Floor and increases its risk-weighted assets if the Capital Floor applies. Based on these requirements, there was no capital floor applicable for Q2 2019 through Q2 2020.

RISK-WEIGHTED ASSETS BY OPERATING GROUPS						
	LINE					
(\$ millions)	#	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Personal and Commercial Banking	1	209,750	199,124	195,244	190,915	187,792
BMO Wealth Management	2	22,416	22,132	21,313	21,066	20,381
BMO Capital Markets	3	103,462	92,190	88,945	88,762	89,790
Corporate Services, including Technology and Operations	4	12,539	12,201	11,527	12,260	10,881
Total Risk-Weighted Assets	5	348,167	325,647	317,029	313,003	308,844

BMO Einancial Group

LI1 - DIFFERENCES BETWEEN ACCOUNTING AND REGULATORY S	COPES C	OF CONSOLIDATION	AND MAPPING O	F FINANCIAL					
STATEMENTS WITH REGULATORY RISK CATEGORIES Q2 2020									
						Carrying values of ite	ms:		
(\$ millions)	LINE #	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation (1)	Subject to credit risk framework c	Subject to counterparty credit risk framework d	Subject to the securitization framework	Subject to the market risk framework	Not subject to capital requirements or subject to deduction from capital g	
			~		·	·	•	3	
Assets		74 500	74.007	74.007					
Cash and Cash Equivalents	1	71,593	71,337	71,337	-	-	-	-	
Interest Bearing Deposits with Banks	2	7,687	7,620	7,617	-	4 474	3	-	
Securities	3	213,908	203,889 119.058	119,276	440.050	1,171	83,335	107	
Securities Borrowed or Purchased Under Resale Agreements Loans	4	119,058	119,058	-	119,058	-	-	-	
Residential mortgages	5	125,534	125,534	124,838		660		36	
Consumer instalment and other personal	6	69,818	69,818	65,782	-	80	-	3,956	
Credit cards	7	7,672	7,672	1,081	_	1,654	_	4,937	
Businesses and governments	8	268,695	268,489	250,575	1,925	15,422	_	567	
Allowance for credit losses	a	(2,776)	(2,776)	(29)	1,525	10,422	_	(2,747)	
Other Assets	3	(2,110)	(2,110)	(23)	_	_	_	(2,747)	
Derivative instruments	10	41,150	41,144	_	41.144	_	35,713	_	
Customers' liability under acceptances	11	22,473	22,473	22,473		-	-	_	
Premises and equipment	12	3,973	3,868	3,868	_	-	_	_	
Goodwill	13	6,785	6,785	-	_	-	_	6,785	
Intangible assets	14	2,526	2,526	-	-	-	-	2,526	
Current tax assets	15	1,898	1,867	1,867	-	-	-		
Deferred tax assets	16	1,391	1,391	1,051	-	-	-	340	
Other	17	25,682	24,255	10,394	11,244	-	2,479		
Total assets	18	987,067	974,950	680,130	173,371	18,987	121,530	16,645	
Liabilities									
Deposits	19	653,710	653,710	-	-	-	16,317	637,393	
Other Liabilities									
Derivative instruments	20	45,909	45,516	-	45,516	-	39,331	-	
Acceptances	21	22,473	22,473	-	-	-	-	22,473	
Securities sold but not yet purchased	22	30,212	30,212	-	-	-	30,212	-	
Securities lent or sold under repurchase agreements	23	105,943	105,943	-	105,943	-	-	-	
Securitization and structured entities' liabilities	24	27,888	27,888	-	-	-	-	27,888	
Current tax liabilities	25	88	88	-	-	-	-	88	
Deferred tax liabilities	26	65	62	-	-	-	-	62	
Other	27	38,201	26,480	-	-	-	-	26,480	
Subordinated Debt	28	7,344	7,344	-	-	-	-	7,344	
Total liabilities	29	931,833	919,716	-	151,459	-	85,860	721,728	

⁽¹⁾ Balance sheet under regulatory scope does not include the following entities: BMO Life Insurance Company and BMO Reinsurance Limited. BMO Life Insurance Company (\$11,701 million assets and nominal equity) covers the development and marketing of individual and group life, accident and health insurance and annuity products in Canada. BMO Reinsurance Limited (\$416 million assets and nominal equity) covers the reinsurance of life, health and disability insurance risks as well as property & casualty insurance risks, including catastrophe risks. The business reinsured is written by insurers and reinsurers principally in North America and Europe.



LI2 - MAIN SOURCES OF DIFFERENCES BETWEEN REGULATORY EXPOSURE AMOUNTS AND CARRYING

VALUES IN FINANCIAL STATEMENTS	Q2 2020				
		Items subject to:			
			Counterparty		
		Credit risk	credit risk	Securitization	Market risk
	Total	framework	framework	framework	framework
(\$ millions)	а	b	С	d	е
1 Asset carrying value amount under scope of regulatory consolidation (as per template LI1) (1)	958,305	680,130	173,371	18,987	121,530
2 Liabilities carrying value amount under regulatory scope of consolidation (as per template LI1) (1)	197,988	-	151,459	-	85,860
3 Total net amount under regulatory scope of consolidation	760,317	680,130	21,912	18,987	35,670
4 Off-balance sheet amounts	251,083	183,265	53,420	14,398	
5 Differences due to different netting rules and other adjustments for derivatives, other than those already included in row 2	17,437	534	16,903	-	-
6 Differences due to consideration of provisions	328	328	-	-	-
7 Exposures related to liability repo-style transactions	211,886	-	211,886	-	-
8 Potential future exposure on derivatives	24,884	-	24,884	-	-
9 Differences due to consideration of CRM	(244,878)	-	(243,745)	(1,133)	-
10 Exposure amounts considered for regulatory purposes (2)	1,021,057	864,257	85,260	32,252	35,670

- (1) Carrying value under scope of regulatory consolidation (column b from LI1) less amounts not subject to capital requirements or subject to deduction from capital (column g from LI1).
- (2) Exposure amounts considered for regulatory purposes represent the exposure at default amounts post-CRM and post-CCF, with the exception of the Market Risk framework that is reported at accounting carrying value.

Explanations of differences between accounting and regulatory exposure amounts

The table above illustrates the main sources of differences between the financial statements' carrying value amounts and the exposure at default post-CRM and post-CCF used for regulatory purposes.

Off-balance sheet amounts include credit exposures on committed undrawn amounts of loans and other off-balance sheet arrangements, certain repo-style transactions, off-balance sheet securitization exposures, and other off-balance sheet items

Differences due to different netting rules and other adjustments for derivatives under the credit risk framework relate to the grossing up of deferred tax assets for regulatory exposure amount. Under the counterparty credit risk framework, the difference relates to the grossing up of derivatives for differences in netting rules allowed under IFRS and SA-CCR, inclusion of 1.4 alpha in replacement cost, and also the application of financial collateral in the calculation of regulatory exposure amount.

Differences due to consideration of provisions relate to amounts for AIRB exposures reported gross of partial write-offs.

Exposures related to liability repo-style transactions relate to the grossing up of liability repo-style transactions.

Potential future exposure on derivatives consists of the add-on factors for the expected volatility of the price, rate or index underlying derivative instruments, after applying alpha equal to 1.4.

Differences due to consideration of CRM consist of the application of credit risk mitigation techniques to arrive at the net exposure at default in accordance with OSFI's CAR Guideline, Chapter 5, Credit Risk Mitigation.

CR1 - CREDIT QUALITY OF ASSETS (1)	Q1 2020								
	Gross carryi	ng values of			unting provisions for SA exposures (5)	Of which: ECL accounting			
						provisions for credit			
	Defaulted exposures	Non-defaulted	Allowances /	regulatory category	regulatory category	losses on IRB	Net values		
LINE	(2) (3)	exposures	impairments (4)	of Specific	of General	exposures	(a + b - c)		
(\$ millions) #	а	b	С	d	е	f	g		
Loans 1	2,972	428,844	1,796	28	206	1,562	430,020		
Debt securities 2	-	97,302	3	-	-	3	97,299		
Off-balance sheet exposures 3	437	179,550	234	10	35	189	179,753		
Total 4	3,409	705,696	2,033	38	241	1,754	707,072		

CR1 - CREDIT QUALITY OF ASSETS (1)	Gross carryi	ng values of		Q4 2019 Of which: ECL according credit losses on s	unting provisions for SA exposures (5)	Of which: ECL accounting	
LINE	Defaulted exposures		Allowances / impairments (4)	Allocated in Allocated in regulatory category of Specific of General		provisions for credit losses on IRB exposures	Net values (a + b - c)
(\$ millions) #	а	b	С	d	е	f	g
Loans 1	2,782	424,576	1,622	56	241	1,325	425,736
Debt securities 2	-	87,417	3	-	-	3	87,414
Off-balance sheet exposures 3	324	175,141	239	21	32	186	175,226
Total 4	3,106	687,134	1,864	77	273	1,514	688,376

CR1 - CREDIT QUALITY OF ASSETS (1)		Q3 2019						
		Gross carryi	ng values of					
		Defaulted exposures	Non-defaulted	Allowances /	Net values			
	LINE	(2) (3)	exposures	impairments (4)	(a + b - c)			
(\$ millions)	#	а	b	С	d			
Loans	1	2,593	416,937	1,567	417,963			
Debt securities	2	-	80,828	4	80,824			
Off-balance sheet exposures	3	316	170,948	251	171,013			
Total	4	2,909	668,713	1,822	669,800			

CR1 - CREDIT QUALITY OF ASSETS (1)		Q2 2019						
		Gross carryii	ng values of					
	LINE	Dolaalioa oxpoodi oo		Allowances / impairments (4)	Net values (a + b - c)			
(\$ millions)	#	а	b	С	d			
Loans	1	2,515	412,035	1,481	413,069			
Debt securities	2	-	74,925	4	74,921			
Off-balance sheet exposures	3	319	167,423	243	167,499			
Total	4	2,834	654,383	1,728	655,489			

- (1) Excludes positions subject to Counterparty Credit Risk and Securitization regulatory frameworks.
- (2) Exposures are considered to be in default when they are 90 days past due with the following exceptions: (i) credit card loans which are immediately written off when principal or interest payments are 180 days past due; and (ii) residential mortgages guaranteed by the Government of Canada that are less than one year past due.
- (3) There are no defaulted debt securities.
- (4) The approach for establishing and maintaining allowance for credit losses is based on IFRS requirements. Under capital reporting, general allowance refers to allowances on performing loans (Stage 1 and Stage 2), and specific allowance refers to allowances on impaired loans (Stage 3).
- (5) Basel Committee on Banking Supervisions issued a technical amendment to provide further information on the allocation of accounting provisions in the regulatory categories of general and specific provisions for standardized exposures. We have implemented this technical amendment prospectively effective October 31, 2019.

	BMO (22) Financial Group
CR2 - CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIE	ES (1) (2) Q2 2020
(\$ millions)	а
1 Defaulted loans and debt securities at end of the previous financial reporting period	d 2,972
2 Loans and debt securities that have defaulted since the last reporting period	1,365
3 Returned to non-defaulted status	(110
4 Amounts written off	(261
5 Other charges	(141
6 Defaulted loans and debt securities at end of the reporting period	3,825

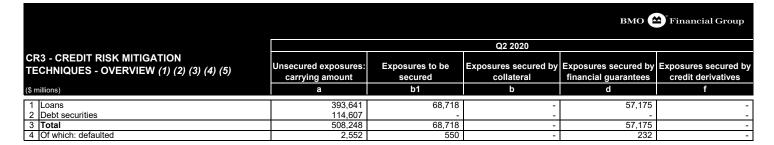
	22 - CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES (1) (2)	Q1 2020 a
1	Defaulted loans and debt securities at end of the previous financial reporting period	2,782
2	Loans and debt securities that have defaulted since the last reporting period	793
3	Returned to non-defaulted status	(198)
4	Amounts written off	(126)
5	Other charges	(279)
6	Defaulted loans and debt securities at end of the reporting period	2,972

CF	Q4 2019	
(\$ n	nillions)	а
1	Defaulted loans and debt securities at end of the previous financial reporting period	2,593
2	Loans and debt securities that have defaulted since the last reporting period	765
3	Returned to non-defaulted status	(226)
4	Amounts written off	(158)
5	Other charges	(192)
6	Defaulted loans and debt securities at end of the reporting period	2,782

CF	R2 - CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES (1) (2)	Q3 2019
(\$ n	nillions)	а
1	Defaulted loans and debt securities at end of the previous financial reporting period	2,515
2	Loans and debt securities that have defaulted since the last reporting period	613
3	Returned to non-defaulted status	(127)
4	Amounts written off	(138)
5	Other charges	(270)
6	Defaulted loans and debt securities at end of the reporting period	2,593

CF	R2 - CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES (1) (2)	Q2 2019
(\$ r	nillions)	а
1	Defaulted loans and debt securities at end of the previous financial reporting period	2,188
2	Loans and debt securities that have defaulted since the last reporting period	696
3	Returned to non-defaulted status	(131)
4	Amounts written off	(111)
5	Other charges	(127)
6	Defaulted loans and debt securities at end of the reporting period	2,515

- (1) There are no defaulted debt securities.
- (2) Defaulted balances exclude off-balance sheet exposures.



			Q1 2020		
CR3 - CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW (1) (2) (3) (4) (5)	Unsecured exposures: carrying amount	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives
(\$ millions)	а	b1	b	d	f
1 Loans	373,040	56,980	-	48,226	216
2 Debt securities	97,299	-	-	-	-
3 Total	470,339	56,980	-	48,226	216
4 Of which: defaulted	2,118	250	-	197	-

	Q4 2019								
CR3 - CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW (1) (2) (3) (4) (5)	Unsecured exposures: carrying amount	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	•				
(\$ millions)	а	b1	b	d	f				
1 Loans	366,413	59,323	-	49,089	106				
2 Debt securities	87,414	-	-	-	-				
3 Total	453,827	59,323	-	49,089	106				
4 Of which: defaulted	2,123	199	-	155	-				

		Q3 2019								
CR3 - CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW (1) (2) (3) (4) (5)	Unsecured exposures: carrying amount	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives					
(\$ millions)	a	b1	b	d	f					
1 Loans	360,300	57,663	-	48,924	-					
2 Debt securities	80,824	-	-	-	-					
3 Total	441,124	57,663	-	48,924	-					
4 Of which: defaulted	1,985	164	-	156	-					

	Q2 2019								
CR3 - CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW (1) (2) (3) (4) (5)	Unsecured exposures: carrying amount	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives				
(\$ millions)	а	b1	b	d	f				
1 Loans	350,802	62,267	-	50,752	3				
2 Debt securities	74,921	-	-	-	-				
3 Total	425,723	62,267	-	50,752	3				
4 Of which: defaulted	1,942	171	-	160	-				

- (1) Excludes positions subject to Counterparty Credit Risk and Securitization regulatory frameworks.
- (2) There are no defaulted debt securities.
- (3) Secured exposures include exposures where credit risk mitigation techniques are used to reduce capital requirement in accordance with OSFI's CAR Guideline, Chapter 5, Credit Risk Mitigation. Where collateral is reflected in the risk parameters (PDs and LGDs) for AIRB exposures and risk weights for exposures under standardized approach, the carrying amount is reported as an unsecured exposure.
- (4) Loans and Debt Securities balances are net of allowance for credit losses on performing loans and impaired loans (excluding those related to off-balance sheet instruments and undrawn commitments).
- (5) Defaulted balances are net of allowance for credit losses on impaired loans, excluding off-balance sheet instruments and undrawn commitments.

CR4 - STANDARDIZED APPROACH - CREDIT RISK EXPOSURE AND CREDIT RISK

MITIGATION (CRM) EFFECTS (1) (2)	Q2 2020									
(\$ millions except as noted)	Exposures before	re CCF and CRM	Exposures pos	t CCF and CRM	RWA and R	RWA density				
	On-balance sheet	Off-balance sheet	On-balance sheet	Off-balance sheet						
	amount	amount	amount	amount	RWA	RWA density				
Asset classes	а	b	С	d	е	f				
1 Sovereigns and their central banks	3	-	3	-	-	0.00%				
2 Non-central government public sector entities	269	17	269	7	70	25.46%				
3 Multilateral development banks	-	-	-	-	-	-				
4 Banks	7	402	7	221	46	20.00%				
5 Securities firms	32	478	32	7	8	20.00%				
6 Corporates	20,270	10,401	20,270	4,504	22,820	92.11%				
7 Regulatory retail portfolios	9,970	5,259	9,970	181	7,456	73.44%				
8 Secured by residential property	1,071	170	1,071	65	489	43.09%				
9 Secured by commercial real estate	509	100	509	50	559	100.00%				
10 Equity	1,728	373	1,728	187	1,285	67.10%				
11 Defaulted exposures	902	51	902	13	1,258	137.49%				
12 Higher-risk categories (3)	181	367	181	175	534	150.00%				
13 Other assets	8,706	-	8,706	-	10,047	115.41%				
14 Total	43,648	17,618	43,648	5,410	44,572	90.86%				

MITIGATION (CRM) EFFECTS (1) (2)		Q1 2020								
\$ millions except as noted)	Exposures befo	re CCF and CRM	Exposures pos	t CCF and CRM	RWA and RWA density					
	On-balance sheet	Off-balance sheet	On-balance sheet	Off-balance sheet						
	amount	amount	amount	amount	RWA	RWA density				
Asset classes	а	b	С	d	е	f				
1 Sovereigns and their central banks	1	-	1	-	-	0.00%				
2 Non-central government public sector entities	211	22	211	10	60	26.91%				
3 Multilateral development banks	-	-	-	-	-	-				
4 Banks	25	387	25	211	47	20.00%				
5 Securities firms	18	170	18	12	6	20.00%				
6 Corporates	17,970	9,747	17,970	4,267	21,943	98.68%				
7 Regulatory retail portfolios	9,864	5,073	9,864	223	7,396	73.33%				
8 Secured by residential property	1,090	167	1,090	66	502	43.46%				
9 Secured by commercial real estate	522	103	522	52	574	100.00%				
10 Equity	1,640	354	1,640	177	1,220	67.14%				
11 Defaulted exposures	740	51	740	12	1,042	138.60%				
12 Higher-risk categories (3)	225	389	225	183	612	150.00%				
13 Other assets	10,020	-	10,020	-	10,394	103.72%				
14 Total	42,326	16,463	42,326	5,213	43,796	92.13%				

⁽¹⁾ Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

⁽²⁾ Exposure amounts are net of Stage 3 allowance for credit losses.

⁽³⁾ Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

CR4 - STANDARDIZED APPROACH - CREDIT RISK EXPOSURE AND CREDIT RISK											
MITIGATION (CRM) EFFECTS (1) (2)			Q4 2	2019							
(\$ millions except as noted)		re CCF and CRM		t CCF and CRM	RWA and R	WA density					
	On-balance sheet	Off-balance sheet	On-balance sheet	Off-balance sheet							
	amount	amount	amount	amount	RWA	RWA density					
Asset classes	а	b	С	d	е	f					
Sovereigns and their central banks	_	_	-	-	-	0.00%					
2 Non-central government public sector entities	203	27	203	13	57	26.29%					
Multilateral development banks	-	-	-	-	-	-					
4 Banks	39	389	39	173	42	20.00%					
5 Securities firms	4	52	4	19	4	20.00%					
6 Corporates	18,365	9,840	18,365	4,292	22,343	98.62%					
7 Regulatory retail portfolios	10,016	4,849	10,016	212	7,514	73.47%					
8 Secured by residential property	1,161	170	1,161	68	538	43.79%					
Secured by commercial real estate	550	109	550	56	606	100.00%					
10 Equity	1,771	314	1,771	157	1,236	64.12%					
11 Defaulted exposures	682	49	682	1	968	141.54%					
12 Higher-risk categories (3)	312	374	312	180	739	150.00%					
13 Other assets	8,365	-	8,365	-	8,476	101.33%					
14 Total	41,468	16,173	41,468	5,171	42,523	91.18%					

CR4 - STANDARDIZED AP	CR4 - STANDARDIZED APPROACH - CREDIT RISK EXPOSURE AND CREDIT RISK									
MITIGATION (CRM) EFFEC	TS (1) (2)			Q3 2	2019					
(\$ millions except as noted)	Exposures b	efore	CCF and CRM	Exposures pos	t CCF and CRM	RWA and R	WA density			
	On-balance she	et C	Off-balance sheet	On-balance sheet	Off-balance sheet					
	amount		amount	amount	amount	RWA	RWA density			
Asset classes	а		b	С	d	е	f			
1 Sovereigns and their central b	oanks	1	1	1	1	-	0.00%			
2 Non-central government publi	ic sector entities 2	07	35	207	16	47	20.83%			
3 Multilateral development bank	<s< td=""><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></s<>	-	-	-	-	-	-			
4 Banks		4	346	4	164	34	20.00%			
5 Securities firms		5	52	5	19	5	20.00%			
6 Corporates	18,7	43	9,278	18,743	4,068	22,584	99.01%			
7 Regulatory retail portfolios	9,7	13	4,125	9,713	87	7,192	73.39%			
8 Secured by residential proper	ty 4,2	10	176	4,210	71	1,623	37.92%			
9 Secured by commercial real	estate 5	70	108	570	56	626	100.00%			
10 Equity	1,7	26	295	1,726	147	1,178	62.87%			
11 Defaulted exposures	6	63	48	663	1	936	140.98%			
12 Higher-risk categories (3)	1	57	313	157	150	460	150.00%			
13 Other assets	9,5	78	-	9,578	-	9,158	95.62%			
14 Total	45,5	77	14,777	45,577	4,780	43,843	87.07%			

MITIGATION (CRM) EFFECTS (1) (2)			Q2 2	2019		
\$ millions except as noted)	Exposures before	e CCF and CRM	Exposures pos	t CCF and CRM	RWA and R	WA density
	On-balance sheet Off-balance sheet 0		On-balance sheet	Off-balance sheet		
	amount	amount	amount	amount	RWA	RWA density
Asset classes	a	b	С	d	е	f
Sovereigns and their central banks	15	8	15	4	-	0.00%
2 Non-central government public sector entities	158	11	158	5	34	20.69%
3 Multilateral development banks	-	-	-	-	-	
4 Banks	77	299	77	138	43	20.009
5 Securities firms	7	50	7	18	5	20.009
6 Corporates	18,666	8,851	18,666	3,571	21,986	98.879
7 Regulatory retail portfolios	9,762	4,080	9,762	-	7,136	73.109
8 Secured by residential property	4,319	187	4,319	75	1,672	38.069
Secured by commercial real estate	617	115	617	59	676	100.009
10 Equity	1,715	320	1,715	160	1,168	62.29%
11 Defaulted exposures	633	58	633	3	899	141.499
12 Higher-risk categories (3)	133	204	133	99	348	150.009
13 Other assets	8,907	-	8,907	-	8,314	93.349
14 Total	45,009	14,183	45,009	4,132	42,281	86.049

⁽¹⁾ Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

⁽²⁾ Exposure amounts are net of Stage 3 allowance for credit losses.
(3) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

CR5 - STANDARDIZED APPROACH - EXPOSURES BY ASSET CLASSES AND RISK WEIGHTS (1) (2) (3)

(\$ millions)						2020					
		ar Risk Weight									
	0%	10%	20%	35%	50%	75%	100%	150%	Others	and post-CRM)	
Asset classes	а	b	С	d	е	f	g	h	i	j	
1 Sovereigns and their central banks	3	- 1	-	_	- 1	-	_	-	- 1	3	
2 Non-central government public sector entities	-	-	226	-	50	-	-	-	-	276	
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	
4 Banks	-	-	228	-	-	-	-	-	-	228	
5 Securities firms	-	-	39	-	-	-	-	-	-	39	
6 Corporates	1,639	-	269	-	201	-	22,665	-	-	24,774	
7 Regulatory retail portfolios	457	-	-	-	-	8,958	736	-	-	10,151	
8 Secured by residential property	-	-	2	904	-	230	-	-	-	1,136	
Secured by commercial real estate	-	-	-	-	-	-	559	-	-	559	
10 Equity	503	-	250	-	-	-	1,162	-	-	1,915	
11 Defaulted exposures	7	-	18	-	-	-	185	705	-	915	
12 Higher-risk categories (4)	-	-	-	-	-	-	-	356	-	356	
13 Other assets	1,026	-	1,290	-	-	-	6,094	-	296	8,706	
14 Total	3,635	-	2,322	904	251	9,188	31,401	1,061	296	49,058	

CR5 - STANDARDIZED APPROACH - EXP	OSURES BY A	ASSET CLAS	SES AND RIS	K WEIGHTS	(1) (2) (3)					
(\$ millions)					Q1	2020				
					Risk Weight					Total credit exposures amount (post- CCF
	0%	10%	20%	35%	50%	75%	100%	150%	Others	and post-CRM)
Asset classes	а	b	С	d	е	f	g	h	i	j
1 Sovereigns and their central banks	1	-	_	-	_	- 1	-	_	_	1
2 Non-central government public sector entities	-	-	170	-	51	-	-	_	-	221
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	236	-	-	-	-	-	-	236
5 Securities firms	-	-	30	-	-	-	-	-	-	30
6 Corporates	-	-	248	-	191	-	21,798	-	-	22,237
7 Regulatory retail portfolios	443	-	-	-	-	8,993	651	-	-	10,087
8 Secured by residential property	-	-	2	909	-	245	-	-	-	1,156
Secured by commercial real estate	-	-	-	-	-	-	574	-	-	574
10 Equity	478	-	235	-	-	-	1,104	-	-	1,817
11 Defaulted exposures	-	-	16	-	-	-	151	585	-	752
12 Higher-risk categories (4)	-	-	-	-	-	-	-	408	-	408
13 Other assets	2,180	-	1,201	-	-	-	6,333	-	306	10,020
14 Total	3,102	-	2,138	909	242	9,238	30,611	993	306	47,539

⁽¹⁾ Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

⁽²⁾ Exposure amounts are net of Stage 3 allowance for credit losses.

⁽³⁾ Credit assessments by external credit rating agencies, including S&P, Moody's and DBRS, are used to determine standardized risk weights based on guidelines issued by OSFI.

⁽⁴⁾ Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

CR5 - STANDARDIZED APPROACH - EXPO	SURES BY AS	SSET CLASSE	ES AND RISK	WEIGHTS (1)		1 2019		В	MO 😩 Fina	ancial Group
(\$ 111110/15)					Risk Weight	7 2013				Total credit exposures amount (post- CCF
	0%	10%	20%	35%	50%	75%	100%	150%	Others	and post-CRM)
Asset classes	а	b	С	d	е	f	g	h	i	j
1 Sovereigns and their central banks 2 Non-central government public sector entities 3 Multilateral development banks	-	-	171	-	45	-	-	-	-	216
4 Banks 5 Securities firms	-	-	212 23 278		- - 182	- -	- - 22,197			212 23
6 Corporates 7 Regulatory retail portfolios 8 Secured by residential property	420	- - -	3	955		9,175 271	633	-	-	22,657 10,228 1,229
9 Secured by commercial real estate 10 Equity 11 Defaulted exposures	475 -	-	358 17	-	-	-	606 1,095 116	- - 550	-	606 1,928 683
12 Higher-risk categories (4) 13 Other assets	2,203	-	1,205		-	-	4,672	492	- 285	492 8,365
14 Total	3,098	-	2,267	955	227	9,446	29,319	1,042	285	46,639

CR5 - STANDARDIZED APPROACH - EXPO	SURES BY AS	SET CLASSE	S AND RISK	WEIGHTS (1) ((2) (3)					
(\$ millions)					Q3	2019				
					Risk Weight					Total credit exposures amount (post- CCF
	0%	10%	20%	35%	50%	75%	100%	150%	Others	and post-CRM)
Asset classes	а	b	С	d	е	f	g	h	i	j
Sovereigns and their central banks	2	-	-	-	-	-	-	-	-	2
2 Non-central government public sector entities	-	-	217	-	6	-	-	-	-	223
Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4 Banks	-		168	-	-	-	-	-	-	168
5 Securities firms	-	-	24	-	-	-		-	-	24
6 Corporates	433	-	268	-	21	8,703	22,522 664	-	-	22,811 9,800
7 Regulatory retail portfolios	433	-	-	3,963	-		004	-	-	
Secured by residential property Secured by commercial real estate	-	-	4	3,963	-	314	626	-	-	4,281 626
10 Equity	477	-	357	-	-	-	1,039	-	-	1,873
11 Defaulted exposures	4//	[]	16		-	_	121	527	-	664
12 Higher-risk categories (4)	-	[]	-		-	-	121	307		307
13 Other assets	2,403		1,439		-	_	5,463	307	273	9,578
14 Total	3,315	-	2,493	3,963	27	9,017	30,435	834	273	50,357

CR5 - STANDARDIZED APPROACH - EXPO	SURES BY AS	SET CLASSE	S AND RISK	WEIGHTS (1)	(2) (3)					
(\$ millions)						2019				
					Risk Weight					Total credit exposures amount (post- CCF
	0%	10%	20%	35%	50%	75%	100%	150%	Others	and post-CRM)
Asset classes	а	b	С	d	е	f	g	h	i	j
Sovereigns and their central banks	19	-	-	-	-	-	-	-	-	19
Non-central government public sector entities	-	-	159	-	4	-	-	-	-	163
Multilateral development banks	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	215	-	-	-	-	-	-	215
5 Securities firms	-	-	25	-	-	-	-	-	-	25
6 Corporates	-	-	300	-	22	-	21,915	-	-	22,237
7 Regulatory retail portfolios	448	-	-	-	-	8,719	595	-	-	9,762
8 Secured by residential property	-	-	5	4,051	-	338		-	-	4,394
Secured by commercial real estate	-	-	-	-	-	-	676	-	-	676
10 Equity	484	-	362	-	-	-	1,029		-	1,875
11 Defaulted exposures	-	-	16	-	-	-	115	505	-	636
12 Higher-risk categories (4)		-		-	-	-		232		232
13 Other assets	1,928	-	2,059	-	-	•	4,661	-	259	8,907
14 Total	2,879	-	3,141	4,051	26	9,057	28,991	737	259	49,141

⁽¹⁾ Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.
(2) Exposure amounts are net of Stage 3 allowance for credit losses.
(3) Credit assessments by external credit rating agencies, including S&P, Moody's and DBRS, are used to determine standardized risk weights based on guidelines issued by OSFI.
(4) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

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CR6 - IRB - CREDIT EXPOSURE BY F	PORTFOLIO AN	ID PD RANGE - I	RETAIL (1) (2) (3)							Q2 2020						
(\$ millions except as noted)	BMO Rating	PD Scale (%)	Moody's Investors Standard & Poor's Service implied implied equivalent equivalent	LINE #	Original on- balance sheet gross exposure a	Off-balance sheet exposures pre-CCF b	Average CCF (4) c	EAD post-CRM and post-CCF d	Average PD (5)	Number of obligors (6)	Average LGD (7)	Average maturity (years) h	RWA i	RWA density j	EL k	Provision (8)
Canadian insured residential																
Exceptionally low to Very low		0.00 to <0.15		1	31,735	-	-	45,901	0.00 %	139,530	26.37 %		411	0.90 %	-	
Very low to Low		0.15 to < 0.25		2		-	-	-	_	-	-		-	-	-	
Low		0.25 to <0.50		3	-	-	-	-	-	-	-		-	-	-	
Low		0.50 to <0.75		4	9,111	-	-	-	-	18,248	-		-	-	-	
Medium		0.75 to <2.50		5	2,360	-	-	-	-	7,259	-		-	-	-	
Medium to High		2.50 to <10.00		6	2,314	-	-	-	-	6,776	-		-	-	-	
High		10.00 to <100.00		7	233	-	-	-	-	1,055	-		-	-	-	
Default		100.00 (Default)		8	148	-	-	45.004	-	701	-		-	-	-	
Sub-total				9	45,901	-		45,901		173,569			411		-	
Canadian uninsured residential Exceptionally low to Very low		0.00 to <0.15		10	50,347	28,105	41.50 %	62,011	0.09 %	402,779	15.95 %		2,185	3.52 %	8	
Very low to Low		0.00 to <0.15 0.15 to <0.25		11	7,602	1,431	41.50 % 26.30 %		0.09 %	402,779 49,155	18.18 %		2,185 656	3.52 % 8.22 %	3	
Low		0.15 to <0.25 0.25 to <0.50		12	1,002 A	1,431	20.30 %	7,979	0.22 %	49,100	14.03 %		050	11.24 %		
Low		0.50 to <0.75		13	13.668	22	73.02 %	13,684	0.65 %	44,239	14.38 %		1,958	14.31 %	13	
Medium		0.75 to <2.50		14	7,548	503	23.14 %	7,664	1.20 %	34,146	17.26 %		1,934	25.23 %	15	
Medium to High		2.50 to <10.00		15	5,184	93	29.18 %	5,211	6.75 %	16,320	13.68 %		2,859	54.86 %	48	
High		10.00 to <100.00		16	380	25	23.69 %	386	44.35 %	2,324	12.45 %		251	64.96 %	21	
Default		100.00 (Default)		17	173	11	22.29 %			1,281	13.88 %		269	153.63 %	13	
Sub-total				18	84,906	30,190		97,114		550,244			10,112		121	4
Non-Canadian residential											1					
Exceptionally low to Very low		0.00 to <0.15		19	1,517	6,269	58.86 %		0.04 %	45,340	68.98 %		468	8.98 %	2	
Very low to Low		0.15 to <0.25		20	6,772	37	100.00 %	6,809	0.19 %	16,058	29.70 %		818	12.02 %	4	
Low		0.25 to <0.50		21 22	542 391	218	50.92 %	653 391	0.37 % 0.74 %	5,898 6,234	72.62 % 60.42 %		319 256	48.83 % 65.53 %	2 2	
Low Medium		0.50 to <0.75 0.75 to <2.50		23	2,136	56	60.57 %	2.170		10,260	60.42 % 44.89 %		1.392	64.13 %	11	
Medium to High		2.50 to <10.00		24	329	30	33.06 %	329		3,923	60.73 %		1,392	200.49 %	9	
High		10.00 to <100.00		25	222	60	61.02 %				40.67 %		583	200.49 %	24	
Default		100.00 (Default)		26	325	-	01.02 /0	325	100.00 %	14,652	51.35 %		1,138	350.43 %	109	
Sub-total				27	12,234	6,641		16,142		104,314			5,635	000.10 /0	163	
Qualifying revolving retail					,	•	·			. 1911			,			
Exceptionally low to Very low		0.00 to <0.15		28	383	40,136	59.34 %	24,200	0.05 %	3,079,358	72.85 %		524	2.16 %	7	
Very low to Low		0.15 to <0.25		29	34	2,478	71.73 %	1,811	0.18 %	346,944	90.88 %		170	9.38 %	3	
Low		0.25 to <0.50		30	7	398	77.41 %	315	0.32 %	80,083	90.57 %		48	15.11 %	1	
Low		0.50 to <0.75		31	3,311	10,800	39.35 %	7,561	0.56 %	629,223	59.64 %		1,165	15.41 %	25	
Medium		0.75 to <2.50		32	381	768	85.94 %	1,040	1.29 %	187,332	81.20 %		564	54.21 %	15	
Medium to High		2.50 to <10.00		33	2,305	1,490	66.83 %	3,301	3.47 %	465,247	76.85 %		2,492	75.50 %	88	
High Default		10.00 to <100.00 100.00 (Default)		34 35	696 80	265 29	63.75 % 45.08 %			118,706 5,352	70.91 % 56.40 %		1,424 337	164.59 % 362.86 %	126 37	
Sub-total		100.00 (Delault)		36	7.197	56.364	45.08 %	39.186		4.912.245	50.40 %		6.724	30∠.00 %	302	
Retail small-and-medium-sized entities		1		30	1,191	50,304	1	39,100		4,512,245	I .	1	0,724		302	35
Exceptionally low to Very low		0.00 to <0.15		37	1,484	3,497	73.37 %	4,604	0.08 %	94,820	56.41 %		582	12.64 %	2	
Very low to Low		0.00 to <0.15 0.15 to <0.25		38	21	90	74.38 %			12,510	87.02 %		34	38.11 %	_	
Low		0.25 to <0.50		39	41	112	71.36 %	121	0.35 %	48,422	98.00 %		72	60.09 %	_	
Low		0.50 to <0.75		40	1,013	411	83.95 %	1,358	0.56 %	6,919	54.54 %		603	44.39 %	4	
Medium		0.75 to <2.50		41	644	307	81.49 %	894	1.42 %	29,997	63.72 %		692	77.42 %	8	
Medium to High		2.50 to <10.00		42	1,042	151	78.02 %		4.73 %	20,584	72.89 %		688	113.76 %	22	
High		10.00 to <100.00		43	96	25	81.38 %				68.93 %		181	155.34 %	23	
Default		100.00 (Default)		44	54	6	85.56 %		100.00 %		57.69 %		445	762.40 %	-	
Sub-total				45	4,395	4,599		7,845		222,590			3,297		59	7
Other retail		To 00 / - :-														
Exceptionally low to Very low		0.00 to <0.15		46	9,756	3,128	49.05 %		0.08 %		19.65 %		443	3.83 %	2	
Very low to Low		0.15 to <0.25		47	5,712	1,068	75.00 %			268,944	72.74 %		1,986	30.49 %	9	
Low Low		0.25 to <0.50 0.50 to <0.75		48 49	4,600 3.607	900 911	26.23 % 33.59 %	4,836 3.742	0.35 % 0.60 %	717,817 17,347	41.73 % 34.18 %		1,258 1,057	26.02 % 28.24 %	7	
Low Medium		0.50 to <0.75 0.75 to <2.50		49 50	3,607 8,399	911 561	33.59 % 47.61 %	3,742 8,599	0.60 % 1.36 %	17,347 537,954	34.18 % 44.30 %		1,057 4,518	28.24 % 52.54 %	7 54	
Medium to High		2.50 to <10.00		51	2,231	52	38.15 %		4.84 %		40.70 %		1,369	62.14 %	39	
High		10.00 to <100.00		52	977	205	33.53 %		23.06 %		63.20 %		1,309	131.99 %	141	
Default		100.00 (Default)		53	199	3	51.60 %		100.00 %	78.671	44.74 %		517	266.08 %	74	
Sub-total		(2 2 3 4 4)		54	35,481	6,828	230 70	38,715		2,159,154			12,523		333	28
Total (all retail portfolios)				55	190,114	104,622		244,903		8,122,116			38,702		978	

Total (all retail portfolios) 55 190,114 104,622 (1) Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

⁽²⁾ Columns "a" and "b" are grouped by the obligor's PD and columns "d" onwards are grouped by the guarantor, where applicable.

⁽³⁾ PD bands in the table are as prescribed in revised Pillar 3 guidance and used for comparative purposes across banks.

⁽⁴⁾ Calculated as EAD post-conversion factor for off-balance sheet exposure divided by total off-balance sheet exposure pre-conversion factor.

⁽⁵⁾ Calculated as the obligor PD or guarantor PD, where applicable, weighted by EAD.

⁽⁶⁾ Obligor count for Retail portfolios is at the account level.

⁽⁷⁾ Calculated as the obligor LGD or guarantor LGD, where applicable, weighted by EAD.

⁽⁸⁾ Includes Stage 1, Stage 2, Stage 3 allowances and partial write-offs.

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CR6 - IRB - CREDIT EXPOSURE BY I	PORTFOLIO AND P	D RANGE - WHOLE	SALE (1) (2) (3)								Q2 2020						
(\$ millions except as noted)			Moody's Investors Service implied	Standard & Poor's	LINE	Original on- balance sheet gross exposure	Off-balance sheet exposures pre-CCF	Average CCF	EAD post-CRM	Average PD	Number of obligors (6)	Average LGD	Average maturity (years) (8)	RWA	RWA density	EL	Provision:
Risk Profile	BMO Rating	PD Scale (%)	equivalent	implied equivalent	#	а	b	ć	d	e	f	g	h	i	j	k	Ĭ
Corporate																	
Investment grade Investment grade	I-1, I-2, I-3, I-4, I-5 I-5, I-6	0.00 to <0.15 0.15 to <0.25	Aaa to Baa1 Baa1 to Baa2	AAA to BBB+ BBB+ to BBB	56 57	49,588 30,527	88,281 37,217	49.18 % 47.69 %	104,822 46,199	0.08 % 0.20 %	6,024 4,933	37.49 %	2.26 2.34	20,269 17,154	19.34 % 37.13 %	28 34	
Investment grade Investment grade to Non-investment grade Non-investment grade	I-6, I-7 I-7, S-1 S-1, S-2, S-3	0.25 to <0.50 0.50 to <0.75 0.75 to <2.50	Baa2 to Baa3 Baa3 to Ba1 Ba1 to Ba3	BBB to BBB- BBB- to BB+ BB+ to BB-	58 59 60	45,639 45,936 52,274	37,359 31,198 28,624	46.41 % 45.03 % 44.48 %	61,211 57,280 61,908	0.32 % 0.60 % 1.23 %	8,846 8,604 11,451	36.65 % 35.73 % 35.55 %	2.34 2.39 2.52	28,074 33,702 47,661	45.86 % 58.84 % 76.99 %	72 123 271	
Non-investment grade Non-investment grade to Watchlist Watchlist	S-1, S-2, S-3 S-3, S-4, P-1, P-2 P-2, P-3	2.50 to <10.00 10.00 to <100.00	Ba3 to Caa1 Caa1 to Ca	BB+ to BB- BB- to CC	61 62	12,521 2,382	28,624 6,068 1.405	44.48 % 44.53 % 50.98 %	13,445 2.951	3.56 % 14.75 %	2,890 840	35.55 % 30.44 % 30.65 %	2.52 2.38 1.89	12,134 4.342	90.25 % 147.16 %	150 135	
Default	Default	100.00 (Default)	c	C to D	63	2,184	977	100.00 %	2,907	100.00 %	406	36.96 %	2.40	8,349	287.20 %	606	, <u></u>
Sub-total Sovereign					64	241,051	231,129	l	350,723		43,994			171,685		1,419	1,76
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15 0.15 to <0.25	Aaa to Baa1 Baa1 to Baa2	AAA to BBB+ BBB+ to BBB	65	178,483	8,032	61.91 % 48.51 %	183,561	0.02 % 0.20 %	3,420		2.35 2.20	4,792 70	2.61 % 23.24 %	4	
Investment grade Investment grade	I-5, I-6 I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	66 67	330 229	125 150	38.74 %	300 285	0.32 %	300 109	29.65 %	1.96	98	34.35 %		
Investment grade to Non-investment grade Non-investment grade	I-7, S-1 S-1, S-2, S-3	0.50 to <0.75 0.75 to <2.50	Baa3 to Ba1 Ba1 to Ba3	BBB- to BB+ BB+ to BB-	68 69	238 975	65 96	41.12 % 44.71 %	253 1,017	0.58 % 0.99 %	64 78		2.83 3.05	111 626	44.01 % 61.58 %	3	
Non-investment grade to Watchlist Watchlist	S-3, S-4, P-1, P-2 P-2, P-3	2.50 to <10.00 10.00 to <100.00	Ba3 to Caa1 Caa1 to Ca	BB- to B- B- to CC	70 71	45 3	37 2	46.41 % 34.48 %	62 4	4.42 % 13.95 %	37 1	30.98 % 15.00 %	1.05 1.00	58 3	93.57 % 70.67 %	1 -	
Default Sub-total	Default	100.00 (Default)	С	C to D	72 73	180.303	8,507	-	185.482	-	4.010	-	-	5.758	-	- 8	
Bank		V .					.,,,,,					1		.,		- 1	
Investment grade Investment grade	I-1, I-2, I-3, I-4, I-5 I-5, I-6	0.00 to <0.15 0.15 to <0.25	Aaa to Baa1 Baa1 to Baa2	AAA to BBB+ BBB+ to BBB	74 75	12,580 5,341	3,519 5,808	74.97 % 61.91 %	16,837 8,341	0.06 % 0.19 %	179 80	10.84 %	1.06 1.81	1,314 752	7.80 % 9.02 %	2 2	
nvestment grade nvestment grade to Non-investment grade	I-6, I-7 I-7, S-1	0.25 to <0.50 0.50 to <0.75	Baa2 to Baa3 Baa3 to Ba1	BBB to BBB- BBB- to BB+	76 77	1,227 421	1,510 812	60.94 % 61.31 %	1,846 736	0.32 % 0.56 %	74 46	10.90 %	1.53 0.86	318 101	17.23 % 13.76 %	1 -	
Non-investment grade Non-investment grade to Watchlist	S-1, S-2, S-3 S-3, S-4, P-1, P-2	0.75 to <2.50 2.50 to <10.00	Ba1 to Ba3 Ba3 to Caa1	BB+ to BB- BB- to B-	78 79	1,948 269	56 65	77.21 % 64.70 %	1,538 224	1.06 % 3.01 %	46 20	17.05 % 13.67 %	0.44 0.83	473 78	30.73 % 34.70 %	3	
Watchlist Default	P-2, P-3 Default	10.00 to <100.00 100.00 (Default)	Caa1 to Ca C	B- to CC C to D	80 81	-	-	-	-	-	-	-	-	-	-	-	
Sub-total					82	21,786	11,770		29,522		445			3,036		9	
Total (all wholesale portfolios)					83	443,140	251,406		565,727		48,449			180,479		1,436	1,77

⁽⁸⁾ Calculated as the effective maturity in years weighted by EAD.
(9) Includes Stage 1, Stage 2, Stage 3 allowances and partial write-offs.

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CR6 - IRB - CREDIT EXPOSURE BY	PORTFOLIO AN	D PD RANGE - I	RETAIL (1) (2) (3)								Q1 2020						
millions except as noted;				Standard & Poor's implied Li	b	Original on- valance sheet ross exposure	Off-balance sheet exposures pre-CCF	Average CCF	EAD post-CRM and post-CCF	Average PD (5)	Number of obligors (6)	Average LGD (7)	Average maturity (years)	RWA	RWA density	EL	Provis
isk Profile	BMO Rating	PD Scale (%)	equivalent		#	а	b	C (3)	d d	e	f	g	h	i	j	k	I
anadian insured residential					•			<u> </u>									
xceptionally low to Very low		0.00 to <0.15			1	30,727	-	-	44,905	0.00 %	138,117	26.48 %		402	0.90 %	-	
ery low to Low		0.15 to <0.25			2	-	-	-	-	-	-	-		-	-	-	
ow		0.25 to <0.50 0.50 to <0.75			3	8.928	-	-	-	-	17.901	-		-	-	-	
ow ledium		0.50 to <0.75 0.75 to <2.50			5	2,679	-	-	-	-	7,262	-		-	-	-	
ledium to High		2.50 to <10.00			6	2,262	-	_	_	-	6,873	_		_	_		
ligh		10.00 to <100.00			7	158	-	-	-	-	761	-		-	-	-	
efault		100.00 (Default)			8	152	-	-	-	-	683	-		-	-	-	
ub-total					9	44,906	-		44,905		171,597			402		-	
anadian uninsured residential xceptionally low to Very low		0.00 to <0.15			10	50,610	27,665	41.44 %	62,074	0.09 %	404,012	15.95 %		2,194	3.53 %	8	
ery low to Low		0.00 to <0.15 0.15 to <0.25			11	7,366	1,404	28.15 %	7,761	0.09 %	48,757	18.21 %		639	8.23 %	3	
DW		0.25 to <0.50			12	19	-	20.10 /0	19	0.48 %		14.03 %		2	11.24 %	-	
DW		0.50 to <0.75			13	13,368	22	72.86 %	13,384	0.66 %	43,891	14.23 %		1,921	14.35 %	13	
ledium		0.75 to <2.50			14	7,397	533	23.85 %	7,524	1.21 %	33,753	17.21 %		1,898	25.22 %	15	
ledium to High		2.50 to <10.00			15	5,164	101	29.74 %	5,194	6.75 %	16,385	13.76 %		2,865	55.16 %	48	
ligh Default		10.00 to <100.00 100.00 (Default)			16 17	325 160	26 8	27.65 % 20.17 %	332 162	42.52 % 100.00 %	2,287 1,246	12.27 % 13.36 %		214 236	64.33 % 145.62 %	17 12	
iub-total		TOO.00 (Derault)			18	84,409	29,759	20.17 70	96,450	100.00 %	550,331	13.30 %		9,969	140.02 %	116	
on-Canadian residential	1	1	1	1	.0	54,408	23,139	1	30,430		330,331	1		3,303		110	1
xceptionally low to Very low		0.00 to <0.15			19	1,427	5,981	58.81 %	4,945	0.04 %	45,443	68.99 %		444	8.99 %	1	
ery low to Low		0.15 to <0.25			20	6,491	36	100.00 %	6,527	0.19 %	13,554	29.60 %		782	11.98 %	4	
DW		0.25 to <0.50			21	523	222	51.41 %	637	0.37 %	5,999	72.67 %		311	48.87 %	2	
DW		0.50 to <0.75			22	399			399	0.74 %	6,555	60.32 %		261	65.42 %	2	
ledium		0.75 to <2.50			23	2,207	59	62.12 %	2,243	1.11 %	10,149	43.84 %		1,402	62.49 %	11	
ledium to High igh		2.50 to <10.00 10.00 to <100.00			24 25	328 162	1 46	48.45 % 61.86 %	329 191	4.59 % 21.98 %	3,997 1,826	59.92 % 43.95 %		650 462	197.72 % 242.23 %	9 19	
efault		100.00 (Default)			26	323	40	01.00 %	323	100.00 %	15,047	50.50 %		1,114	344.85 %	109	
ub-total		Tooloo (Boldan)			27	11,860	6,345		15,594	100.00 70	102,570	00.00 70		5,426	011.00 /0	157	
Qualifying revolving retail	*	*	*	· · · · · · · · · · · · · · · · · · ·							•				*		,
xceptionally low to Very low		0.00 to <0.15			28	794	38,738	58.78 %	23,563	0.05 %	3,028,270	72.58 %		515	2.19 %	7	
'ery low to Low		0.15 to <0.25			29	137	2,482	71.50 %	1,911	0.18 %	354,457	90.78 %		179	9.35 %	3	
ow ow		0.25 to <0.50 0.50 to <0.75			30 31	41 3,574	393 10,868	77.46 % 39.91 %	346	0.32 % 0.56 %	82,374 660,068	91.06 % 60.90 %		52 1,245	15.13 % 15.74 %	1 27	
Nedium		0.75 to <2.50			32	457	699	88.42 %	7,912 1.075	1.29 %	184.448	80.98 %		574	53.42 %	15	
Medium to High		2.50 to <10.00			33	2.588	1.423	69.12 %	3.572	3.53 %	480.743	77.72 %		2.758	77.22 %	98	
ligh		10.00 to <100.00			34	754	254	66.03 %	922	21.50 %	127,214	72.24 %		1,558	168.90 %	137	
Pefault		100.00 (Default)			35	71	25	44.87 %	82	100.00 %	4,734	55.51 %		277	336.13 %	35	
ub-total				;	36	8,416	54,882		39,383		4,922,308			7,158		323	
etail small-and-medium-sized entities		0.004= -0.45			27	4 400	0.4=0	70.00.00	0.700	0.00.21	04 700	04.00.00		500	44.00.01	_	
xceptionally low to Very low ery low to Low		0.00 to <0.15 0.15 to <0.25			37 38	1,426 23	3,179 75	72.66 % 78.82 %	3,736 83	0.09 % 0.21 %	91,786 11.793	64.02 % 87.35 %		530 32	14.20 % 38.25 %	2	
OW		0.15 to <0.25 0.25 to <0.50			39	51	108	72.90 %	130	0.34 %	48,785	98.16 %		76	58.86 %		
ow		0.50 to <0.75			40	1,056	383	83.52 %	1,375	0.56 %	7,733	53.72 %		601	43.73 %	4	
ledium		0.75 to <2.50			41	676	286	82.01 %	910	1.43 %	31,063	63.71 %		708	77.76 %	8	
ledium to High		2.50 to <10.00			42	557	165	77.87 %	686	4.72 %	13,266	72.29 %		773	112.79 %	25	
ligh		10.00 to <100.00			43	81	19	84.74 %	98	26.05 %	2,982	68.90 %		152	155.98 %	19	
efault sub-total		100.00 (Default)			44 45	46 3,916	4,219	84.92 %	7,067	100.00 %	5,961 213,369	55.36 %		304 3,176	616.27 %	5 63	
ther retail		1	1	1 '	-1 0	3,910	4,219	l	1,00/		213,309			3,170		03	l
xceptionally low to Very low		0.00 to <0.15			46	9,498	2,995	49.29 %	11,281	0.08 %	163,743	19.34 %		423	3.75 %	2	
ery low to Low		0.15 to <0.25			47	5,866	1,078	76.57 %	6,691	0.20 %	267,226	73.01 %		2,051	30.66 %	9	
ow .		0.25 to <0.50			48	4,460	895	26.81 %	4,700	0.35 %	695,219	42.52 %		1,261	26.82 %	7	
DW		0.50 to <0.75			49	3,509	909	32.94 %	3,634	0.60 %	17,240	34.33 %		1,030	28.34 %	_7	
ledium		0.75 to <2.50			50	8,473	550	48.81 %	8,674	1.37 %	541,091	44.58 %		4,603	53.06 %	55	
edium to High		2.50 to <10.00			51	2,223	50	39.40 %	2,189	4.75 %	165,247	41.58 %		1,386	63.28 %	39	
igh efault		10.00 to <100.00 100.00 (Default)			52 53	947 198	217	32.35 % 46.40 %	1,013 193	23.66 % 100.00 %	277,999 79,048	63.96 % 45.69 %		1,367 478	134.95 % 247.95 %	145 79	
ub-total		100.00 (Delault)			54	35,174	6,696	40.40 %	38,375	100.00 %	2,206,813	45.09 70		12,599	241.33 70	343	
otal (all retail portfolios)					55	188,681	101,901		241,774		8,166,988			38,730		1,002	
) Credit Risk excludes Counterparty Credi	t Risk, Securitization	, Equity Investment	in Funds, Settlement	risk and amounts below	the thre			0% risk weight.									
2) Columns "a" and "b" are grouped by the 3) PD bands in the table are as prescribed 4) Calculated as EAD post-conversion fact 5) Calculated as the obligor PD or guarant 6) Obligor count for Retail portfolios is at th 7) Calculated as the obligor LGD or guaran 8) Includes Stage 1, Stage 2, Stage 3 allow	in revised Pillar 3 gu or for off-balance she or PD, where applical te account level. tor LGD, where appli	idance and used fo eet exposure divide ble, weighted by EA icable, weighted by	r comparative purpose d by total off-balance s D.	es across banks.		factor.											

600 IDD 6000 EVD6640																	
CR6 - IRB - CREDIT EXPOSURE BY I	PORTFOLIO AND P	D RANGE - WHOLE	SALE (1) (2) (3)				Off-balance				Q1 2020						
(\$ millions except as noted)						Original on-	Oπ-balance sheet						Average				
			Moody's Investors			balance sheet	exposures	Average CCF	EAD post-CRM	Average PD	Number of	Average LGD	maturity		RWA		Provisions
			Service implied	Standard & Poor's	LINE		pre-CCF	(4)	and post-CCF	Average FD	obligors (6)	(7)	(years) (8)	RWA	density	EL	(9)
Risk Profile	BMO Rating	PD Scale (%)	equivalent	implied equivalent	#	a	b	c	d d	e	f	g	h	i	j	k	(3)
Corporate								•						*			
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	56	45,267	84,204	51.35 %	96,145	0.08 %	5,941	34.64 %	2.27	19,713	20.50 %	27	
nvestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	57	27,228	38,738	48.38 %	44,231	0.20 %	4.931	37.70 %	2.43	16,837	38.07 %	33	
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	58	41,787	37.757	47.46 %	58,620	0.32 %	8,725	37.02 %	2.39	27,344	46.65 %	70	
nvestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	59	42.329	32.589	44.85 %	55.041	0.60 %	8,410	35.27 %	2.46	32,212	58.52 %	117	
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	60	42.858	30,299	45.28 %	54.577	1.23 %	11.651	36.56 %	2.51	42,880	78.57 %	245	
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	61	8.279	5,860	45.39 %	10,292	3.43 %	2.677	29.45 %	2.24	8,490	82.50 %	107	
Vatchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	62	2,028	1,198	40.71 %	2.401	14.51 %	798	28.97 %	2.11	3,237	134.82 %	101	
Default	Default	100.00 (Default)	C	C to D	63	1,493	431	100.00 %	1.771	100.00 %	368	40.50 %	2.67	5,104	288.23 %	462	1
Sub-total		100100 (201001)			64	211,269	231.076		323.078		43.501			155.817		1.162	1.13
Sovereign			- 1													, ,	
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to < 0.15	Aaa to Baa1	AAA to BBB+	65	136,075	7,757	63.98 %	141,171	0.02 %	3,371	4.92 %	2.62	3,826	2.71 %	3	
nvestment grade	I-5. I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	66	379	119	47.77 %	347	0.20 %	311	24.80 %	1.88	75	21.54 %	-	1
nvestment grade	I-6, I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	67	80	136	40.19 %	129	0.32 %	123	74.59 %	2.58	111	85.89 %	_	
nvestment grade to Non-investment grade	I-7, S-1	0.50 to < 0.75	Baa3 to Ba1	BBB- to BB+	68	145	61	41.79 %	149	0.62 %	84	35.85 %	1.67	83	56.06 %	_	
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	69	923	102	43.27 %	954	1.01 %	91	29.61 %	2.42	611	64.07 %	3	
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	70	49	29	45.57 %	62	4.54 %	42	31.49 %	1.35	60	97.20 %	1	1
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	71	4	2	33.67 %	4	13.95 %	4	15.00 %	1.00	3	70.67 %	_	1
Default	Default	100.00 (Default)	С	C to D	72	-	_	-	-	-	1	-	-	-	-	-	1
Sub-total					73	137,655	8,206		142,816		4,027			4,769		7	
Bank									•		•		'			<u> </u>	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to < 0.15	Aaa to Baa1	AAA to BBB+	74	12,537	3,025	76.09 %	15,676	0.07 %	181	19.04 %	1.22	1,364	8.70 %	2	
nvestment grade	I-5, I-6	0.15 to < 0.25	Baa1 to Baa2	BBB+ to BBB	75	4,264	6,252	60.18 %	7,730	0.19 %	82	10.28 %	1.60	629	8.13 %	2	
nvestment grade	I-6, I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	76	1,390	1,422	60.57 %	2,138	0.32 %	77	14.99 %	1.12	351	16.40 %	1	
nvestment grade to Non-investment grade	I-7, S-1	0.50 to < 0.75	Baa3 to Ba1	BBB- to BB+	77	398	704	62.43 %	741	0.55 %	49	16.11 %	1.07	165	22.20 %	1	
lon-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	78	1,618	38	84.13 %	1,395	1.04 %	47	15.11 %	0.37	383	27.43 %	2	
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	79	158	12	97.54 %	93	2.86 %	19	15.15 %	0.22	33	35.49 %	-	
Vatchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	80	-	-	-	-	-	-	-	-	-	-	-	
Default	Default	100.00 (Default)	С	C to D	81	-	-	-	-	-	-	-	-	-	-	-	
Sub-total		,			82	20,365	11,453		27,773		455			2,925		8	
Total (all wholesale portfolios)					83	369,289	250,735		493,667		47.983			163,511		1.177	1.14

| Total (all wholesale portfolios) | 83 | 369,289 | 250,735 |
(1) Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.
(2) Columns "a" and "b" are grouped by the obligor's PD and columns "d" onwards are grouped by the guarantor, where applicable.
(3) PD bands in the table are as prescribed in revised Pillar 3 guidance and used for comparative purposes across banks.
(4) Calculated as EAD post-conversion factor for off-balance sheet exposure divided by total off-balance sheet exposure pre-conversion factor.
(5) Calculated as the obligor PD or guarantor PD, where applicable, weighted by EAD.
(6) Obligor count for Wholesale portfolios is at the borrower level.
(7) Calculated as the obligor LGD or guarantor LGD, where applicable, weighted by EAD.

⁽⁸⁾ Calculated as the effective maturity in years weighted by EAD.
(9) Includes Stage 1, Stage 2, Stage 3 allowances and partial write-offs.

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CR6 - IRB - CREDIT EXPOSURE BY POR	RTFOLIO AND PD RAN	GE - RETAIL (1) (2) (3	3)							Q4 2019						
(\$ millions except as noted)		Moody's Investors Service implied		Original balance s	eet exposure	es A	Average CCF	EAD post-CRM and post-CCF	Average PD (5)	Number of obligors (6)	Average LGD	Average maturity (years)	RWA	RWA density	EL	Provisions
Risk Profile B	MO Rating PD Scale (%)			# gross expo	b b		(<i>4</i>)	d d	e e	f	(<i>1</i>)	(years) h	i	i	k	(<i>6</i>)
Canadian insured residential	mo rating 15 coals (70	oquivaloni	oquivalone	" "					Ů	•	. 5		<u> </u>			
Exceptionally low to Very low	0.00 to <0.15			1 3	.684		_	45,571	0.00 %	139,905	26.52 %		379	0.82 %		
Very low to Low	0.15 to <0.25			2	-	-	_		0.00 %	100,000	20.02 70			0.02 70	_	
Low	0.25 to <0.50			3	-	-	-	-	-	-	-		-	-	-	
Low	0.50 to <0.75				,599	-	-	-	-	18,002	-		-	-	-	
Medium	0.75 to <2.50				,688	-	-	-	-	7,294	-		-	-	-	
Medium to High High	2.50 to <10.0 10.00 to <100			6 7	,285 167	-	-	-	-	6,958 759	-		-	-	-	
Default	100.00 to < 100			8	148		-		-	709	_			-	- :	
Sub-total	100.00 (Dela	at)			.571	-	_	45,571		173,627			379			
Canadian uninsured residential				•										J.		
Exceptionally low to Very low	0.00 to <0.15					,051	40.20 %	60,338	0.07 %	399,209	15.98 %		1,838	3.05 %	7	
Very low to Low	0.15 to <0.25					,452	25.29 %	7,772	0.18 %	49,931	18.20 %		554	7.12 %	3	
Low	0.25 to <0.50			12	16	-	72.68 %	16	0.48 %	40.007	14.03 % 14.31 %		1 010	11.24 %	12	
Low Medium	0.50 to <0.75 0.75 to <2.50				,727 ,697	21 533	72.68 % 20.44 %	12,742 7,806	0.65 % 1.24 %	42,907 36,886	14.31 % 18.10 %		1,816 2,134	14.25 % 27.34 %	12 17	
Medium to High	2.50 to <10.0				.798	27	33.72 %	4.807	6.93 %	13.469	15.41 %		2,134	61.53 %	49	
High	10.00 to <100			16	324	25	15.95 %	328	39.41 %	2,299	12.74 %		225	68.55 %	16	
Default	100.00 (Defa			17	161	9	13.14 %	163	100.00 %	1,238	12.19 %		216	132.92 %	11	
Sub-total Sub-total	·			18 82	,592 29	,118		93,972		545,939			9,743		115	11
Non-Canadian residential				10			=0 o= 0/			15 550	00.00.01					
Exceptionally low to Very low Very low to Low	0.00 to <0.15 0.15 to <0.25				,451 5 .703	,914 37	58.67 % 100.00 %	4,921 6,740	0.04 % 0.19 %	45,573 13.967	68.67 % 29.58 %		440 807	8.94 % 11.97 %	1	
Low	0.15 to <0.25 0.25 to <0.50			21		224	50.84 %	622	0.19 %	5,928	71.87 %		301	48.33 %	2	
Low	0.50 to <0.75			22	417	-	- 00.04 70	417	0.74 %	6,735	60.91 %		276	66.05 %	2	
Medium	0.75 to <2.50			23	,149	57	63.89 %	2,186	1.11 %	10,292	44.02 %		1,373	62.80 %	11	
Medium to High	2.50 to <10.0			24	316	1	55.39 %	317	4.55 %	3,933	62.32 %		646	204.12 %	9	
High	10.00 to <100	.00		25	172	39	63.21 %	196	22.23 %	1,847	44.00 %		474	241.43 %	20	
Default	100.00 (Defa	ılt)		26	337	-	-	337	100.00 %	15,186	50.12 %		1,155	342.65 %	112	110
Sub-total Qualifying revolving retail				27 12	,053 6	,272		15,736		103,461			5,472		161	112
Exceptionally low to Very low	0.00 to <0.15			28	741 38	.166	57.67 %	22,752	0.05 %	3.008.415	72.96 %		501	2.20 %	7	
Very low to Low	0.15 to <0.25			29		,589	70.93 %	1.947	0.17 %	368,556	90.06 %		174	8.92 %	3	
Low	0.25 to <0.50			30	32	407	76.48 %	343	0.31 %	84,366	90.94 %		51	14.82 %	1	
Low	0.50 to <0.75					,797	37.71 %	7,675	0.56 %	663,614	60.94 %		1,207	15.72 %	26	
Medium	0.75 to <2.50			32		755	87.48 %	1,082	1.30 %	193,439	85.37 %		452	41.81 %	12	
Medium to High	2.50 to <10.0			33 2 34		,445 248	68.52 % 65.24 %	3,466 875	3.51 % 21.25 %	482,626 125,035	80.09 %		2,786 1,458	80.38 % 166.64 %	100 127	
High Default	10.00 to <100 100.00 (Defa			35	713 70	248	42.88 %	80	21.25 % 100.00 %	125,035 4,481	71.54 % 55.19 %		1,458	304.79 %	37	
Sub-total	100.00 (Dela	iit)				,429	42.00 /0	38.220	100.00 70	4,930,532			6,872	304.79 70	313	37
Retail small-and-medium-sized entities	I							22,220	<u> </u>	.,,002			-,			
Exceptionally low to Very low	0.00 to <0.15			37	,417 3	,073	72.29 %	3,638	0.09 %	68,918	62.98 %		515	14.14 %	2	
Very low to Low	0.15 to <0.25			38		118	76.50 %	122	0.21 %	5,508	85.56 %		46	37.46 %	-	
Low	0.25 to <0.50			39		113	73.37 %	136	0.34 %	49,237	98.00 %		80	58.85 %	7	
Low Medium	0.50 to <0.75 0.75 to <2.50			40 41		354 315	82.53 % 81.61 %	1,272 920	0.56 % 1.42 %	5,460 29,889	53.14 % 64.03 %		550 716	43.28 % 77.84 %	4 8	
Medium to High	0.75 to <2.50 2.50 to <10.0			42		147	79.73 %	920 638	1.42 % 4.75 %	29,889 12,264	71.67 %		716	111.95 %	23	
High	10.00 to <10.0			43	81	21	81.46 %	98	26.04 %	2,519	70.21 %		157	161.04 %	19	
Default	100.00 (Defa			44	40	39	82.63 %	72	100.00 %	5,880	68.32 %		265	368.23 %	33	
Sub-total				45 3	,787 4	,180		6,896		179,675			3,043		89	33
Other retail	0.004 0.15			10	000	004	40.00.01	44.6:= 1	0.07.07	000 175	04.0= **		470	0.00.01		
Exceptionally low to Very low Very low to Low	0.00 to <0.15 0.15 to <0.25					,364 586	49.38 % 91.61 %	11,247 9,369	0.07 % 0.20 %	326,475 227,554	21.05 % 61.88 %		446 2,438	3.96 % 26.03 %	2 11	
Low	0.15 to <0.25 0.25 to <0.50					868	91.61 % 26.94 %	1,724	0.20 %	560,891	54.73 %		673	39.06 %	4	
Low	0.50 to <0.75					901	30.96 %	4,331	0.43 %	53,928	36.29 %		1,293	29.85 %	9	
Medium	0.75 to <2.50			50	,539	513	47.72 %	7,708	1.44 %	508,995	46.89 %		4,364	56.61 %	53	
Medium to High	2.50 to <10.0			51 2	,139	56	33.47 %	2,102	4.76 %	190,434	43.25 %		1,383	65.78 %	38	
High	10.00 to <100			52	857	194	33.36 %	917	23.45 %	259,862	65.99 %		1,272	138.69 %	133	
Default Cub total	100.00 (Defa	ilt)		53	197	2	44.85 %	193	100.00 %	79,286	46.64 %		476	247.18 %	83 333	^-
Sub-total Total (all retail portfolios)						,484		37,591 237,986		2,207,425 8,140,659	 	 	12,345 37,854		1,011	83 276
(1) Credit Risk excludes Counterparty Credit Risk	Carrelliantian Empley Inves				for deduction sub		F00/ -i-li-b			0, 140,009	1	1	57,004		1,011	2/0

Sub-total (all retail portfolios)

Total (all retail portfolios)

(1) Credit Risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

(2) Columns "a" and "b" are grouped by the obligor's PD and columns "d" onwards are grouped by the guarantor, where applicable.

(3) PD bands in the table are as prescribed in revised Pillar 3 guidance and used for comparative purposes across banks.

(4) Calculated as EAD post-conversion factor for off-balance sheet exposure divided by total off-balance sheet exposure pre-conversion factor.

(5) Calculated as the obligor PD or guarantor PD, where applicable, weighted by EAD.

(6) Obligor count for Retail portfolios is at the account level.

(7) Calculated as the obligor LGD or guarantor LGD, where applicable, weighted by EAD.

(8) Includes Stage 3 allowances and partial write-offs.

R6 - IRB - CREDIT EXPOSURE BY	PORTFOLIO AND P	D RANGE - WHOLE	SALE (1) (2) (3)								Q4 2019						
s millions except as noted)			Moody's Investors Service implied	Standard & Poor's	LINE	Original on- balance sheet gross exposure	Off-balance sheet exposures pre-CCF	Average CCF	EAD post-CRM and post-CCF	Average PD	Number of obligors (6)	Average LGD	Average maturity (years) (8)	RWA	RWA density	EL	Provisio
tisk Profile	BMO Rating	PD Scale (%)	equivalent	implied equivalent	#	а	b	c	d	e	f	g	h	i	j	k	ΤÍ
orporate																	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	56	46,163	80.695	51.19 %	95.131	0.08 %	5,830	34.08 %	2.33	19.486	20.48 %	27	
nvestment grade	I-5, I-6	0.15 to < 0.25	Baa1 to Baa2	BBB+ to BBB	57	27.656	41,522	49.07 %	46,394	0.20 %	4,956	38.05 %	2.37	17,636	38.01 %	36	
nvestment grade	I-6, I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	58	42,115	36,734	47.56 %	58,250	0.32 %	8,764	36.88 %	2.45	27,530	47.26 %	69	
nvestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	59	41.041	30.849	44.58 %	53.116		8.374	35.24 %	2.48	31,548	59.39 %	116	
Ion-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	60	41.386	28,174	45.64 %	52.252	1.23 %	11.328	36.03 %	2.57	40,545	77.60 %	230	
lon-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	61	6.859	5.467	46.22 %	8.600		2,581	30.63 %	2.13	7.384	85.86 %	94	
Vatchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	62	2.208	1.256	46.30 %	2.586	14.06 %	799	28.56 %	2.09	3.404	131.63 %	105	
efault	Default	100.00 (Default)	C	C to D	63	1,357	307	100.00 %	1.634	100.00 %	369	36.53 %	2.53	4.834	295.73 %	339	
ub-total	Dordan	100.00 (Delault)		O to b	64	208,785	225,004	100.00 70	317,963		43.001	00.00 /0	2.00	152,367	255.75 76	1.016	:
overeign					10.	200,700	220,001		011,000		10,001			102,001		1,010	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	65	128,075	7,978	64.46 %	133,392	0.02 %	3,347	5.25 %	2.61	3,745	2.81 %	3	
nvestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	66	531	114	50.91 %	462	0.20 %	325	22.73 %	1.63	89	19.33 %	1	
vestment grade	I-6. I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	67	96	147	37.41 %	142		121	51.59 %	2.56	86	60.89 %	-	
nvestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	68	206	69	38.04 %	209		100	40.98 %	1.51	130	61.90 %	1	
Ion-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	69	945	51	40.84 %	952		91	28.54 %	2.37	573	60.20 %	3	
lon-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	70	30	25	48.20 %	41	3.56 %	37	41.74 %	1.21	47	116.09 %	1	
Vatchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	71	19	2	39.65 %	18		6	16.88 %	1.13	15	80.92 %	11	
Pefault	Default	100.00 (Default)	C	C to D	72		-	100.00 %		100.00 %	1	15.00 %	1.00		198.75 %		
ub-total	Boldan	100.00 (Boldan)	Ŭ	0.00	73	129.902	8.386	100.00 70	135,216		4.028	10.00 70	1.00	4.685	100.70	8	
lank			l.		1.0	120,002	0,000		100,210		1,020	I.		1,000	1		
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	74	12.822	3,792	81.14 %	16,865	0.07 %	175	19.39 %	1.19	1,448	8.58 %	2	
nvestment grade	I-5. I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	75	4.399	5.821	60.35 %	7,548		80	11.30 %	1.41	673	8.92 %	2	
nvestment grade	I-6. I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	76	1,689	1,456	62.30 %	2.458	0.32 %	80	14.99 %	1.07	392	16.00 %	1	
nvestment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	77	367	709	62.69 %	680		46	16.27 %	1.18	161	23.74 %	1	
Ion-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	78	1.417	152	95.23 %	1.275		46	15.87 %	0.51	391	30.64 %	2	
Ion-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	79	109	15	98.16 %	80		16	15.22 %	0.26	29	36.95 %		
Vatchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	80	-		-			-		-		-	-	
efault	Default	100.00 (Default)	C	C to D	81	-	_	_	_	_	_	_	_	-	-	-	
iub-total					82	20.803	11.945		28.906		443			3,094		8	
otal (all wholesale portfolios)					83	359,490	245,335		482.085		47,472			160.146		1.032	
Credit Risk excludes Counterparty Credit	Risk Securitization Equ	ity Investment in Funds	Settlement risk and amo	ounts below the threshold	s for ded				,		,			,		.,	
2) Columns "a" and "b" are grouped by the o						,											
3) PD bands in the table are as prescribed in																	
4) Calculated as EAD post-conversion factor																	
5) Calculated as the obligor PD or guarantor			o salanoo shoot exposu	p. o -oon vor oron in ractor.													
6) Obligor count for Wholesale portfolios is a		reignited by LAD.															

R6 - IRB - CREDIT EXPOSURE	BY PORTFOLIO AND PD RANGE	- RETAIL (1) (2) (3)						Q3 2019						
millions except as noted)	ST TORTH CEIG AND TO NAME	Moody's Investors Standard & Poor's	Original on- balance sheet	Off-balance sheet exposures	Average CCF	EAD post-CRM		Number of	Average LGD	Average maturity	Divis	RWA	-	Provis
isk Profile	BMO Rating PD Scale (%)	Service implied implied LINE equivalent equivalent #	gross exposure a	pre-CCF b	(4) C	and post-CCF	Average PD (5)	obligors (6)	(7) g	(years) h	RWA i	density	EL k	(8)
anadian insured residential	3		'		<u> </u>	'	'							
ceptionally low to Very low	0.00 to <0.15	1	31,158	-	-	45,350	0.00 %	140,137	26.31 %		372	0.83 %		
ery low to Low	0.15 to <0.25	2	-	-	-	-	-	-	-		- 1	-	- 1	
DW DW	0.25 to <0.50 0.50 to <0.75	3 4	8.874	-	-	-	-	18.122	-		-1	-	- 1	
w edium	0.50 to <0.75	5	2,686		_	_	_	7,367			/ II		- 1	
edium to High	2.50 to <10.00	6	2,311		1	_		7,171	[]		/ II			
gh	10.00 to <100.00		172	-	-	-	-	815	-				-	
efault	100.00 (Default)	8	150	-	-	-	-	724	-		-	-	-	
ıb-total		9	45,351	-		45,350		174,336			372		-	
nadian uninsured residential ceptionally low to Very low	0.00 to <0.15	10	48,731	26,632	39.98 %	59,377	0.07 %	396,054	15.94 %		1,809	3.05 %		
ry low to Low	0.00 to <0.13 0.15 to <0.25	10	7,295	1,435	25.53 %		0.18 %	49,725	17.52 %		528	6.89 %	2	
w	0.25 to <0.50	12	16	1,-33	20.00 /0	16	0.48 %	-10,120	14.03 %		2	11.24 %	-	
w	0.50 to <0.75	13	12,050	20	70.79 %	12,064	0.61 %	41,683	15.06 %		1,713	14.20 %	11	
edium	0.75 to <2.50	14	7,571	596	19.65 %	7,688	1.24 %	36,791	16.08 %		1,860	24.19 %	15	
edium to High	2.50 to <10.00	15		36	25.55 %		6.92 %	13,444	13.20 %		2,562	54.01 %	43	
gh efault	10.00 to <100.00 100.00 (Default)	16	348 167	32	20.46 % 15.08 %	355 168	39.81 % 100.00 %	2,457 1,255	14.66 % 12.80 %		284 242	79.95 % 144.08 %	20 10	
ub-total	100.00 (Default)	18		28,760	13.06 %	92,073	100.00 %	541,409	12.00 %		9,000	144.00 %	108	
on-Canadian residential		1 .0	00,011	20,100	1	02,010	1	011,100			0,000			
cceptionally low to Very low	0.00 to <0.15	19	1,447	5,911	58.65 %		0.04 %	45,719	69.20 %		443	9.01 %	1	
ery low to Low	0.15 to <0.25	20	4,376	48	100.00 %	4,424	0.19 %	14,408	30.49 %		546	12.34 %	3	
w	0.25 to <0.50	21	788	246	49.39 %		0.47 % 0.74 %	9,041	72.76 %		522	57.40 %	3	
w edium	0.50 to <0.75 0.75 to <2.50	22 23	447 1,482	30	0.00 % 85.38 %		0.74 % 1.18 %	7,085 7,193	61.70 % 43.02 %		299 986	66.91 % 65.38 %	2	
edium to High	2.50 to <10.00	23	302	1	59.41 %		4.55 %	3,891	64.05 %		633	208.99 %	9	
gh	10.00 to <100.00		165	42	60.76 %		22.91 %	1,815	45.77 %		469	246.15 %	20	
efault	100.00 (Default)	26	351	-	0.00 %	351	100.00 %	15,703	50.06 %		1,207	344.01 %	115	
ub-total		27	9,358	6,278		13,047		104,855			5,105		161	
ualifying revolving retail	0.00 to <0.15	20	750	37,708	57.68 %	22,508	0.05 %	2,974,849	72.84 %		402	2.19 %		
ceptionally low to Very low ery low to Low	0.00 to <0.15 0.15 to <0.25	28 29	758 113	2,581	70.51 %		0.05 %	365,335	89.29 %		493 170	8.81 %	3	
DW	0.25 to <0.50	30	33	412	75.61 %		0.31 %	86,238	90.82 %		51	14.81 %	1	
ow	0.50 to <0.75	31	3,532	10,564	37.96 %	7,542	0.56 %	658,174	60.62 %		1,182	15.67 %	26	
edium	0.75 to <2.50	32	421	741	87.04 %		1.30 %	192,980	80.85 %		422	39.62 %	11	
edium to High	2.50 to <10.00	33	2,404	1,401	68.81 %		3.51 %	474,547	76.50 %		2,556	75.88 %	91	
igh efault	10.00 to <100.00 100.00 (Default)	34 35	699 80	252 30	63.35 % 40.93 %		21.90 % 100.00 %	123,912 5,350	70.87 % 54.27 %		1,414 319	164.66 % 345.74 %	126 37	
ub-total	100.00 (Default)	36		53.689	40.93 %	37.711	100.00 %	4.881.385	34.21 70		6.607	343.74 70	302	-
etail small-and-medium-sized entitie	s	1	-,				l.	.,,	I		,			
ceptionally low to Very low	0.00 to <0.15	37	1,346	2,894	71.83 %		0.09 %	69,981	61.78 %		472	13.80 %	2	
ery low to Low	0.15 to <0.25	38	28	112	76.98 %		0.21 %	5,508	85.47 %		43	37.43 %	- '	
w	0.25 to <0.50 0.50 to <0.75	39	50 954	109 312	72.72 %		0.34 %	49,241	98.00 % 51.20 %		76 506	59.20 % 41.69 %	3	
ow edium	0.50 to <0.75 0.75 to <2.50	40	954 576	312 305	83.09 % 81.63 %		0.56 % 1.41 %	5,799 30,170	51.20 % 64.25 %		640	41.69 % 77.57 %	7	
edium to High	2.50 to <10.00	41	496	147	79.96 %	613	4.84 %	12,743	71.82 %		690	112.44 %	22	
igh	10.00 to <100.00	43	75	19	80.46 %		27.37 %	2,771	71.29 %		146	161.03 %	19	
efault	100.00 (Default)	44	36	39	82.71 %	68	100.00 %	5,967	68.88 %		244	358.68 %	32	
ıb-total		45	3,561	3,937		6,477		182,180			2,817		85	
her retail ceptionally low to Very low	0.00 to <0.15	46	9,024	3,333	49.28 %	11,008	0.07 %	318,547	21.07 %		430	3.90 %	2	
rceptionally low to very low ery low to Low	0.00 to <0.15 0.15 to <0.25	46	9,024 8,261	3,333 607	49.28 % 92.24 %		0.07 %	224,083	60.77 %		2,260	3.90 % 25.62 %	10	
W	0.25 to <0.50	48	1,431	829	26.96 %	1,654	0.45 %	548,345	54.83 %		655	39.59 %	4	
w	0.50 to <0.75	49	4,056	878	32.18 %	4,146	0.59 %	52,646	35.18 %		1,201	28.96 %	8	
edium	0.75 to <2.50	50	7,277	492	47.06 %		1.44 %	506,766	45.57 %		4,096	55.13 %	50	
edium to High	2.50 to <10.00	51	2,057	50	38.12 %		4.76 %	199,035	41.69 %		1,279	63.40 %	36	
gh efault	10.00 to <100.00 100.00 (Default)	52 53	837 200	189	31.59 % 48.68 %	892 196	24.00 % 100.00 %	276,654 79,023	65.57 % 47.25 %		1,232 497	138.14 % 253.05 %	131 84	
erauit ib-total	100.00 (Default)	53		6.381	40.00 %	36.163	100.00 %	2.205.099	41.25 %		11.650	200.00 %	325	
otal (all retail portfolios)		55		99,045		230,821		8,089,264			35,551		981	<u> </u>
Credit Risk excludes Counterparty Cr	edit Risk, Securitization, Equity Investme	nt in Funds, Settlement risk and amounts below	the thresholds for de	eduction subject to	250% risk weigh	t.								
PD bands in the table are as prescribtly Calculated as EAD post-conversion f. Calculated as the obligor PD or guaration of the conversion of the co	ed in revised Pillar 3 guidance and used f actor for off-balance sheet exposure divid intor PD, where applicable, weighted by E	ed by total off-balance sheet exposure pre-conv AD.												

R6 - IRB - CREDIT EXPOSURE BY	PORTFOLIO AND P	D RANGE - WHOLE	SALE (1) (2) (3)								Q3 2019						
millions except as noted)			Moody's Investors Service implied	Standard & Poor's	LINE	Original on- balance sheet gross exposure	Off-balance sheet exposures pre-CCF	Average CCF	EAD post-CRM and post-CCF	Average PD	Number of obligors (6)	Average LGD	Average maturity (years) (8)	RWA	RWA density	EL	Provision (9)
isk Profile	BMO Rating	PD Scale (%)	equivalent	implied equivalent	#	а	b	c	d	e	f	g	h	i	j	k	í
orporate																	
vestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	56	42,772	80.070	50.67 %	91.141	0.08 %	5,697	34.63 %	2.34	18,847	20.68 %	26	
vestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	57	29.301	39.306	47.97 %	46,424	0.20 %	5,134	37.98 %	2.39	17,703	38.13 %	36	
vestment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	58	41,102	38,255	48.71 %	58,082	0.32 %	9,055	37.02 %	2.50	27,804	47.87 %	69	
vestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	59	39,865	29.603	45.59 %	51,933		8.522	34.98 %	2.49	30,686	59.09 %	113	
on-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	60	40.747	29.604	46.54 %	52.540	1.23 %	11.795	36.11 %	2.58	40.724	77.51 %	232	
on-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	61	6.216	6.230	47.85 %	8.331	3.59 %	2.780	31.79 %	2.07	7.459	89.53 %	94	
/atchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	62	1.734	1.082	51.36 %	2.173	14.44 %	783	29.10 %	2.20	2.941	135.35 %	92	
efault	Default	100.00 (Default)	C	C to D	63	1,120	292	100.00 %	1.399	100.00 %	356	35.42 %	2.49	4.070	291.05 %	268	
ub-total	Delault	100.00 (Delault)	0	CIOD	64	202,857	224,442	100.00 70	312,023		44,122	33.42 /0	2.43	150,234	291.00 /0	930	2
overeign					04	202,037	224,442		312,023	1	44,122	I I		100,204	I	330	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	65	112,534	7,892	61.93 %	117,682	0.02 %	3,292	5.90 %	2.74	3,720	3.16 %	3	
vestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	66	603	340	76.35 %	698	0.20 %	329	20.18 %	1.36	113	16.15 %	-	
vestment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	67	126	177	45.50 %	153		119	39.38 %	2.39	74	48.06 %		
vestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	68	703	55	38.38 %	717	0.63 %	83	48.39 %	2.50	598	83.31 %	2	
on-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	69	129	62	40.39 %	127	1.26 %	89	30.80 %	1.69	82	64.30 %	1	
on-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	70	41	16	44.43 %	45	2.74 %	40	46.37 %	1.22	56	124.31 %	i	
/atchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	71	2	-	44.73 %	1	14.66 %	40	65.00 %	1.00	2	311.58 %	- 1	
efault	Default	100.00 (Default)	C	C to D	72		_	100.00 %		100.00 %		15.00 %	1.00	-	198.75 %	- 1	
ub-total	Delauit	100.00 (Delault)	0	0 10 15	73	114.138	8.542	100.00 70	119.423		3.956	10.00 /0	1.00	4.645	130.70 70	7	
ank					10	114,100	0,042		110,420		0,000			4,040			
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	74	11.824	4,799	75.24 %	16,144	0.07 %	172	17.66 %	1.27	1,393	8.63 %	2	
vestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	75	4.468	4.398	60.67 %	7.021	0.19 %	76	12.65 %	1.55	712	10.14 %	2	
vestment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	76	1,703	1,184	62.06 %	2,353	0.32 %	74	14.67 %	1.14	373	15.85 %	1	
vestment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	77	573	852	64.75 %	962	0.56 %	47	15.94 %	0.96	214	22.22 %	i	
on-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	78	1.598	155	98.45 %	1.402		45	16.13 %	0.36	413	29.44 %	3	
on-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	79	119	4	97.78 %	122		15	16.79 %	0.50	54	43.95 %	1	
/atchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	80	115		51.10 %	122	2.02 /0	-	10.75 70	0.00	-	40.00 70	- 1	
efault	Default	100.00 (Default)	C	C to D	81		_				_		_	_	_	- 1	
ub-total	Delauit	100.00 (Delault)		0 10 15	82	20.285	11.392		28.004		429		_	3,159		10	
otal (all wholesale portfolios)					83	337.280	244.376		459,450		48.507			158.038		947	- 2
Credit Risk excludes Counterparty Credit	Diek Securitization Equ	ity Investment in Eunde	Cattlement rick and ame	unto bolow the threehold					400,400		40,007			100,000		547	
2) Columns "a" and "b" are grouped by the o					s ioi ded	uction subject to 2:	00% risk weight.										
B) PD bands in the table are as prescribed in																	
Calculated as EAD post-conversion factor																	
5) Calculated as the obligor PD or guarantor			aoo ooot oxpood														
6) Obligor count for Wholesale portfolios is a		orginios by LND.															
	at the politoriol lovel.																

														вмо 🛎	Financia	l Group
CR6 - IRB - CREDIT EXPOSURE BY PO	RTFOLIO AND PD RA	NGE - RETAIL (1) (2)	(3)							Q2 2019						
(\$ millions except as noted) Risk Profile	BMO Rating PD Scale	Service implied	s Standard & Poor's implied equivalent	ba	original on- lance sheet lass exposure	Off-balance sheet exposures pre-CCF b	Average CCF (4) c	EAD post-CRM and post-CCF	Average PD (5)	Number of obligors (6)	Average LGD (7)	Average maturity (years) h	RWA i	RWA density	EL k	Provision (8)
	Jimo rtating 1 5 coals	,70) oquiruione	oquivaloni			~			·		9				.,	
Canadian insured residential Exceptionally low to Very low	0.00 to <0	15		4	32,654			46 520	0.00 %	145,215	26.02 %		355	0.76 %		
Very low to Low	0.00 to <0			2	32,034	-	-	46,532	0.00 %	145,215	20.02 %		355	0.76 %	-	
Low	0.15 to <0			3	_	-	_	_		-	_		_			
Low	0.50 to <0			4	8,586	-	_	_	_	18,318	_		_	_		
Medium	0.75 to <2			5	2,648	-	-	-	_	7,153	-		-	-		
Medium to High	2.50 to <1			6	2,266	-	-	-	-	7,112	-		-	-	-	
High	10.00 to <			7	227	-	-	-	-	1,124	-		-	-	-	
Default	100.00 (D	fault)		8	153	-	-	-	-	763	-		-	-	-	
Sub-total				9	46,534	-		46,532		179,685			355		-	
Canadian uninsured residential																
Exceptionally low to Very low	0.00 to <0			10	47,196	26,231	39.93 %	57,669	0.07 %	391,400	16.16 %		1,774	3.08 %	7	
Very low to Low	0.15 to <0 0.25 to <0			11 12	6,998	1,363	24.75 %	7,335	0.18 %	48,816	17.54 %		506	6.90 %	2	
Low Low	0.25 to <0 0.50 to <0			12	11,336	21	70.84 %	11,351	0.61 %	40,526	15.27 %		1,633	14.39 %	10	
Medium	0.50 to <0			14	7,140	537	19.92 %	7,247	1.24 %	36,096	16.15 %		1,762	24.31 %	14	
Medium to High	2.50 to <1			15	4,473	31	21.76 %	4,480	6.92 %	12,652	13.24 %		2,427	54.17 %	41	
High	10.00 to <			16	454	46	22.58 %	464	40.63 %	3,037	14.56 %		366	78.88 %	27	
Default	100.00 (D			17	170	13	16.93 %	172	100.00 %	1,313	12.51 %		239	138.95 %	11	
Sub-total Sub-total				18	77,767	28,242		88,718		533,840			8,707		112	1
Non-Canadian residential															•	
Exceptionally low to Very low	0.00 to <0			19	1,460	5,958	58.67 %	4,956	0.04 %	45,447	68.99 %		445	8.98 %	1	
Very low to Low	0.15 to <0			20	4,524	65	100.00 %	4,590	0.19 %	14,710	30.53 %		567	12.35 %	3	
Low	0.25 to <0			21	797	237	48.80 %	913	0.47 %	8,940	72.61 %		523	57.28 %	3	
Low	0.50 to <0			22	491	-	-	491	0.74 %	7,615	61.81 %		329	67.01 %	2	
Medium Madium to High	0.75 to <2			23	1,463	38	87.83 %	1,496	1.20 %	7,504	43.25 %		991	66.24 %	8	
Medium to High	2.50 to <1			24 25	327 192	3	83.51 %	330 225	4.62 %	3,932 2,123	65.84 %		715 593	216.67 %	10 24	
High Default	10.00 to < 100.00 (D			26	383	56	60.59 % 100.00 %	383	21.97 % 100.00 %	2,123 17.326	47.86 % 50.71 %		1.341	263.56 % 350.13 %	147	
Sub-total	100.00 (D	ruun)		27	9,637	6,357	100.00 %	13,384	100.00 %	107,597	30.1170		5,504	JJU. 13 70	198	14
Qualifying revolving retail	1	I	1		5,007	0,007	1	10,004		101,091	1	1	0,004	L	100	- 15
Exceptionally low to Very low	0.00 to <0	15		28	713	37,471	57.46 %	22,245	0.05 %	2,947,607	73.13 %		487	2.19 %	7	
Very low to Low	0.15 to <0	25		29	96	2,548	70.22 %	1,885	0.17 %	358,884	89.53 %		167	8.86 %	3	
Low	0.25 to <0			30	30	403	75.57 %	334	0.31 %	86,021	90.74 %		50	14.97 %	1	
Low	0.50 to <0			31	3,411	10,295	37.99 %	7,322	0.56 %	644,059	60.32 %		1,142	15.60 %	25	
Medium	0.75 to <2			32	330	737	86.64 %	968	1.28 %	193,772	78.71 %		368	38.02 %	10	
Medium to High	2.50 to <1			33	2,349	1,371	68.78 %	3,292	3.51 %	474,332	76.39 %		2,496	75.82 %	89	
High	10.00 to <			34	697	253	63.55 %	858	23.15 %	126,471	70.10 %		1,400	163.17 %	130	
Default Sub-total	100.00 (D	riauit)		35	73 7,699	26 53 104	41.30 %	84 36,988	100.00 %	4,842	54.76 %		305	363.10 %	32 297	3
Retail small-and-medium-sized entities			1	36	7,099	53,104		30,988		4,835,988			6,415		291	
Exceptionally low to Very low	0.00 to <0	15		37	1,324	2,666	69.28 %	3,174	0.09 %	72,286	61.45 %		431	13.58 %	2	
Very low to Low	0.00 to <0			38	24	2,000	76.40 %	98	0.09 %	5,508	85.75 %		37	37.76 %	-	
Low	0.25 to <0			39	55	120	73.20 %	142	0.34 %	49,821	98.00 %		84	59.15 %	-	
Low	0.50 to <0			40	918	182	74.03 %	1,051	0.56 %	7,443	49.01 %		420	39.96 %	3	
Medium	0.75 to <2	50		41	584	231	78.68 %	766	1.42 %	31,623	61.95 %		575	75.07 %	7	
Medium to High	2.50 to <1	0.00		42	515	141	73.99 %	619	4.86 %	13,428	72.23 %		700	113.09 %	23	
High	10.00 to <			43	85	15	79.58 %	96	27.82 %	3,230	69.91 %		151	157.29 %	21	
Default	100.00 (D	fault)		44	44	5	73.56 %	47	100.00 %	6,113	59.88 %		305	648.94 %	7	
Sub-total				45	3,549	3,456		5,993		189,452			2,703		63	
Other retail	10.001	15		40	0.000	0.00=	10.11.01	40.010	0.07.07	047.050	04.00.01		115	2010		
Exceptionally low to Very low Very low to Low	0.00 to <0 0.15 to <0			46 47	8,833 7,891	3,295 613	49.11 % 92.33 %	10,810 8,457	0.07 % 0.20 %	317,059 221,257	21.26 % 61.58 %		415 2,193	3.84 % 25.93 %	10	
Low	0.15 to <0			47	1,358	776	92.33 % 27.99 %	1,575	0.20 %	537,075	54.72 %		622	25.93 % 39.49 %	4	
Low	0.50 to <0			49	3.842	844	31.37 %	3,900	0.46 %	51,820	34.70 %		1.114	28.56 %	8	
Medium	0.75 to <2			50	6.945	470	46.73 %	7.085	1.44 %	504,032	45.35 %		3,881	54.78 %	48	
Medium to High	2.50 to <1			51	1,941	47	37.01 %	1,897	4.74 %	183,478	40.94 %		1,179	62.15 %	32	
High	10.00 to <			52	837	164	32.12 %	885	24.03 %	273,191	64.98 %		1,205	136.16 %	128	
Default	100.00 (D			53	195	2	31.71 %	189	100.00 %	81,583	46.63 %		504	266.67 %	78	
Sub-total Sub-total				54	31,842	6,211		34,798		2,169,495			11,113		309	
Total (all retail portfolios)				55	177,028	97,370		226,413		8,016,057			34,797		979	2
Credit Risk excludes Counterparty Credit Risk	Convitization Equity In	antennation Francis Cattlema	and sink and analysis ba	-1	un ala al al a da a al a	eduction subject to	OFOO siels weigh									

[|] Initial portion | Initial po

CR6 - IRB - CREDIT EXPOSURE BY	PORTFOLIO AND P	D RANGE - WHOLE	SALE (1) (2) (3)								Q2 2019						
\$ millions except as noted)			Moody's Investors Service implied	Standard & Poor's	LINE	Original on- balance sheet gross exposure	Off-balance sheet exposures pre-CCF	Average CCF	EAD post-CRM and post-CCF	Average PD	Number of obligors (6)	Average LGD	Average maturity (years) (8)	RWA	RWA density	EL	Provisio
Risk Profile	BMO Rating	PD Scale (%)	equivalent	implied equivalent	#	а	b	c	d	e	f	g	h	i	j	k	ΤÍ
Corporate																	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	56	38.065	78,260	51.32 %	85,658	0.08 %	5,615	34.85 %	2.31	18.269	21.33 %	25	
nvestment grade	I-5. I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	57	29.084	38,923	48.64 %	46.093	0.20 %	5,034	37.75 %	2.40	17,281	37.49 %	35	
nvestment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	58	40,677	36,490	48.59 %	57,149		9,034	37.11 %	2.47	26,785	46.87 %	68	
nvestment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	59	41.085	28,669	45.10 %	52.550	0.62 %	8,475	34.80 %	2.48	30,708	58.44 %	114	
Von-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	60	41,232	27.994	46.47 %	52,235	1.22 %	12.389	36.32 %	2.47	40,011	76.60 %	232	
Ion-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	61	5.714	5.795	46.26 %	7.886	3.58 %	3.009	32.28 %	2.10	7,153	90.71 %	92	
Vatchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	62	1.715	1.398	52.46 %	2.187	14.19 %	811	29.31 %	2.26	2.984	136.44 %	92	
Default	Default	100.00 (Default)	C	C to D	63	1,034	301	100.00 %	1.321	100.00 %	393	36.13 %	2.35	3.918	296.59 %	256	
Sub-total	Delault	100.00 (Delault)	C	CIOD	64	198,606	217,830	100.00 70	305,079		44.760	30.13 /0	2.00	147,109	290.39 /0	914	
Sovereign					1 04	190,000	217,000		303,013		44,700			147,103		314	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	65	104,347	8,015	60.89 %	109,548	0.02 %	3,149	6.31 %	2.71	3,471	3.17 %	3	
nvestment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	66	661	375	71.94 %	711	0.20 %	325	20.22 %	1.33	114	16.03 %	-	
nvestment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	67	113	293	50.88 %	207	0.32 %	118	33.65 %	1.72	78	37.68 %		
nvestment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	68	17	66	45.19 %	31	0.63 %	78	164.14 %	1.15	72	232.26 %		
Von-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	69	995	51	43.30 %	994	1.77 %	134	27.98 %	3.08	770	77.46 %	5	
Ion-investment grade	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	70	35	27	37.34 %	41	3.38 %	44	47.78 %	1.24	55	134.15 %	1	
Vatchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	71	1	21	37.34 /0	41	3.30 /0	3	47.70 70	1.24	55	134.13 /0	'	
Default	Default	100.00 (Default)	Caa i to Ca	C to D	72	'	-	-	-	-	3	-	-	-	-	-	
Sub-total	Delault	100.00 (Delault)	0	CIOD	73	106.169	8.827	-	111.532		3.851	-	-	4.560	_	9	
Bank					13	100,109	0,021		111,002		3,001			4,300		9	
nvestment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	74	11.862	4,452	77.76 %	16,583	0.07 %	176	17.25 %	1.24	1,335	8.05 %	2	
nvestment grade	I-5, I-6	0.00 to <0.15	Baa1 to Baa2	BBB+ to BBB	75	4.747	3.679	59.47 %	6.642		81	13.63 %	1.53	718	10.81 %	2	
nvestment grade	I-6, I-7	0.15 to <0.25 0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	76	2,328	1,901	61.73 %	3,257	0.19 %	78	14.00 %	0.97	454	13.94 %	4	
nvestment grade to Non-investment grade	I-0, I-7 I-7, S-1	0.25 to <0.50 0.50 to <0.75	Baa2 to Baas Baa3 to Ba1	BBB- to BB+	77	1,105	769	61.73 %	1,345		50	15.36 %	0.97	283	21.04 %		
Non-investment grade to Non-investment grade	S-1, S-2, S-3	0.50 to <0.75 0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	78	1,781	190	99.65 %	1,345		47	15.37 %	0.72	418	28.09 %	3	
lon-investment grade lon-investment grade to Watchlist	S-1, S-2, S-3 S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	79	37	190	99.65 % 50.76 %	1,400	2.85 %	12	14.74 %	0.40	11	32.35 %	3	
Vatchlist	P-2. P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	80	31	2	50.76 %	34	2.65 %	12	14.74 %	0.19	- 11	32.35 %	-	
vaichiisi Default	P-2, P-3 Default	10.00 to < 100.00 100.00 (Default)	Caa i to Ca	C to D	81	-	-	-	-	-	-	-	-	-	-	-	
	Delault	100.00 (Derault)	C	CIOD		21.860	10.993	-	29.349	-	444	-	-	3.219	-	9	
Sub-total					82 83	326,635	237.650		29,349 445.960		49.055			154.888		932	
otal (all wholesale portfolios) 1) Credit Risk excludes Counterparty Credit									445,960		49,055			154,888		932	
2) Columns "a" and "b" are grouped by the o 3) PD bands in the table are as prescribed in 4) Calculated as EAD post-conversion factor 5) Calculated as the obligor PD or guarantor 6) Obligor count for Wholesale portfolios is a 7) Calculated as the obligor LGD or guarantor 8) Calculated as the effective maturity in year 9) Includes Stage 3 allowances and partial w	bligor's PD and columns revised Pillar 3 guidanc for off-balance sheet ex PD, where applicable, w at the borrower level. or LGD, where applicable ars weighted by EAD.	"d" onwards are groupe se and used for compara sposure divided by total reighted by EAD.	d by the guarantor, where tive purposes across ban	applicable. ks.	s for ded	uction subject to 2s	70 70 TISK WEIGHT.										

CR7 - IRB - EFFECT ON RWA OF CREDIT	Q2 :	2020	BMO Einancial Group Q1 2020			
DERIVATIVES USED AS CRM TECHNIQUES (1)	Pre-credit Derivatives RWA	Actual RWA	Pre-credit Derivatives RWA	Actual RWA		
(\$ millions)	а	b	С	d		
Portfolio						
1 Corporate - AIRB	-	-	10	7		
2 Sovereign - AIRB	-	-	-	-		
3 Bank - AIRB	-	-	-	-		
4 Total	-	-	10	7		

CF	R7 - IRB - EFFECT ON RWA OF CREDIT	Q4	2019	Q3 2	2019
DE	ERIVATIVES USED AS CRM TECHNIQUES	Pre-credit Derivatives RWA	Actual RWA		Actual RWA
(\$ n	nillions)	а	b	С	d
	Portfolio				
1	Corporate - AIRB	9	5	5	3
2	Sovereign - AIRB	-	-	-	-
3	Bank - AIRB	-	-	=	-
4	Total	9	5	5	3

CF	R7 - IRB - EFFECT ON RWA OF CREDIT	Q2 2	2019
DE	ERIVATIVES USED AS CRM TECHNIQUES	Pre-credit Derivatives RWA	Actual RWA
(\$ n	nillions)	а	b
	Portfolio		
1	Corporate - AIRB	13	8
2	Sovereign - AIRB	-	-
3	Bank - AIRB	=	=
4	Total	13	8

⁽¹⁾ As at April 30, 2020, there are no credit derivatives, used as a CRM technique, within the banking book.

ODO DIVA EL ON OTATEMENTO OF ODEDIT DIOV		00.000			04 0000		
CR8 - RWA FLOW STATEMENTS OF CREDIT RISK		Q2 2020			Q1 2020		
AND COUNTERPARTY CREDIT RISK EXPOSURES (1)	Credit risk,	of which	Counterparty	Credit risk	, of which	Counterparty	
	AIRB	Standardized	credit risk (6)	AIRB	Standardized	credit risk (6)	
(\$ millions)	а	b	С	d	е	f	
1 RWA as at beginning of reporting period	202,241	43,796	18,204	198,000	42,523	15,987	
2 Asset size (2)	6,317	(904)	1,771	3,827	(1,086)	1,271	
3 Asset quality (3)	4,887	103	192	(173)	53	(51)	
4 Model updates (4)	-	-	-	-	-	-	
5 Methodology and policy (5)	-	-	(633)	-	2,137	909	
6 Acquisitions and disposals	-	-	-	-	-	-	
7 Foreign exchange movements	5,736	1,577	676	587	169	88	
8 Other	-	-	-	1	-	-	
9 RWA as at end of reporting period	219,181	44,572	20,210	202,241	43,796	18,204	

CR8 - RWA FLOW STATEMENTS OF CREDIT RISK		Q4 2019			Q3 2019	
AND COUNTERPARTY CREDIT RISK EXPOSURES (1)	Credit risk,	of which	Counterparty	Credit risk	, of which	Counterparty
	AIRB	Standardized	credit risk (6)	AIRB	Standardized	credit risk (6)
(\$ millions)	а	b	С	d	е	f
1 RWA as at beginning of reporting period	193,589	43,843	15,494	189,685	42,281	15,861
2 Asset size (2)	3,775	(281)	453	6,175	1,972	(67)
3 Asset quality (3)	315	84	(119)	(1,505)	43	(139)
4 Model updates (4)	-	-	-	-	-	-
5 Methodology and policy (5)	540	(1,050)	-	849	-	73
6 Acquisitions and disposals	-	-	-	-	-	-
7 Foreign exchange movements	(219)	(73)	159	(1,615)	(453)	(234)
8 Other	-	-	-	-	-	-
9 RWA as at end of reporting period	198,000	42,523	15,987	193,589	43,843	15,494

CF	R8 - RWA FLOW STATEMENTS OF CREDIT RISK		Q2 2019	
A٨	ID COUNTERPARTY CREDIT RISK EXPOSURES (1)	Credit risk	, of which	Counterparty
		AIRB	Standardized	credit risk (6)
(\$ n	nillions)	а	b	С
1	RWA as at beginning of reporting period	178,964	40,403	15,278
2	Asset size (2)	8,588	1,273	963
3	Asset quality (3)	(81)	33	(209)
4	Model updates (4)	- 1	-	-
5	Methodology and policy (5)	253	-	(86)
6	Acquisitions and disposals	- 1	-	-
7	Foreign exchange movements	1,961	572	(85)
8	Other	_	-	-
9	RWA as at end of reporting period	189,685	42,281	15,861

- (1) Credit Risk excludes Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.
- (2) Asset size includes organic changes in book size and composition (including new business and maturing loans).
- (3) Asset quality captures the quality of book changes caused by experience such as underlying customer behaviour or demographics, including changes through model calibrations/realignments.
- (4) Model updates includes model implementation, change in model scope or any change to address model malfunctions.
- (5) Methodology and policy includes methodology changes to the calculations driven by regulatory policy changes, such as new or revised regulation.
- (6) Counterparty credit risk includes RWA for derivatives, SFTs, trades cleared through central counterparties and CVA charge.

								BMO 🔷 Fin	ancial Group
EXPOSURE COVERED BY CREDIT RISK MITIGATION (1)			Q2	2020			Q1	2020	
		Standa	ardized	A	IRB	Standa	ardized	AIRB	
			Of which		Of which		Of which		Of which
			exposure		exposure amount		exposure		exposure amount
			amount covered		covered by		amount covered		covered by
			by guarantees		guarantees or		by guarantees		guarantees or
		EAD post-CRM		EAD post-CRM		EAD post-CRM		EAD post-CRM	
(\$ millions)	#	and post-CCF	derivatives	and post-CCF	derivatives	and post-CCF	derivatives	and post-CCF	derivatives
Corporate (incl specialized lending and SMEs treated as corporate)	1	26,278	1,909	350,723	16,226	23,666	208	323,078	11,073
Sovereign	2	278	-	185,482	159	222	-	142,816	187
Bank	3	268	-	29,522	2,914	266	-	27,773	1,083
Total Wholesale	4	26,824	1,909	565,727	19,299	24,154	208	493,667	12,343
Residential mortgages excluding home equity line of credits (HELOCs)	5	1,140	14	110,196	45,034	1,158	14	109,235	43,886
HELOCs	6	154	-	48,961	-	159	-	47,714	-
Other retail	7	3,826	461	38,715	1,563	3,972	446	38,375	1,593
Qualifying revolving retail	8	-	-	39,186	-	-	-	39,383	-
Retail SMEs	9	6,493	-	7,845	555	6,259	-	7,067	-
Total Retail	10	11,613	475	244,903	47,152	11,548	460	241,774	45,479
Other assets	11	8,706	-	-	-	10,020	-	-	-
Equity	12	1,915	-	-	-	1,817	-	-	-
Total Bank	13	49,058	2,384	810,630	66,451	47,539	668	735,441	57,822

EXPOSURE COVERED BY CREDIT RISK MITIGATION (1)			04	2019			03	2019	
		Standa	rdized		IRB	Standa	ardized		IRB
(\$ millions)	.INE #	EAD post-CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post-CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post-CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post-CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives
Corporate (incl specialized lending and SMEs treated as corporate)	1	24,150	233	317,963	10,503	24,122	236	312,023	10,663
Sovereign	2	215	-	135,216	306	225	-	119,423	396
Bank	3	234	-	28,906	1,140	191	-	28,004	871
Total Wholesale	4	24,599	233	482,085	11,949	24,538	236	459,450	11,930
Residential mortgages excluding home equity line of credits (HELOCs)	5	1,211	15	108,705	44,643	4,256	16	104,362	44,421
HELOCs	6	174	-	46,574	-	189	-	46,108	-
Other retail	7	3,614	424	37,591	1,662	3,234	437	36,163	1,732
Qualifying revolving retail	8	-	-	38,220	-	-	-	37,711	-
Retail SMEs	9	6,749	1	6,896	-	6,689	-	6,477	-
Total Retail	10	11,748	439	237,986	46,305	14,368	453	230,821	46,153
Other assets	11	8,365		-	-	9,578	-	-	-
Equity	12	1,927	-	-	-	1,873	-	-	-
Total Bank	13	46,639	672	720,071	58,254	50,357	689	690,271	58,083

EXPOSURE COVERED BY CREDIT RISK MITIGATION (1)		2019			
		Standa	ardized	Α	IRB
			Of which exposure amount covered by guarantees		Of which exposure amount covered by guarantees or
		EAD post-CRM	or credit	EAD post-CRM	credit
(\$ millions)	#	and post-CCF	derivatives	and post-CCF	derivatives
Corporate (incl specialized lending and SMEs treated as corporate)	1	23,505	262	305,079	10,225
Sovereign	2	182	-	111,532	462
Bank	3	239	-	29,349	1,565
Total Wholesale	4	23,926	262	445,960	12,252
Residential mortgages excluding home equity line of credits (HELOCs)	5	4,354	16	103,242	45,584
HELOCs	6	217	-	45,392	-
Other retail	7	3,033	450	34,798	1,815
Qualifying revolving retail	8	-	-	36,988	-
Retail SMEs	9	6,829	-	5,993	4
Total Retail	10	14,433	466	226,413	47,403
Other assets	11	8,907	-	-	-
Equity	12	1,875	-	-	-
Total Bank	13	49,141	728	672,373	59,655

⁽¹⁾ Credit risk mitigants herein include only credit derivatives and guarantees. Collateral is reflected in the risk parameters (PDs, LGDs) for AIRB exposures and risk weights for exposures under the Standardized approach.

CREDIT RISK EXPOSURE BY GEOGRAPHIC REGION	LINE		Q2	2020			Q1 :	2020	
(\$ millions)	#	Canada	U.S.	Other	Total	Canada	U.S.	Other	Total
Corporate (incl specialized lending and SMEs treated as corporate)	1	150,750	214,059	12,192	377,001	143,640	191,519	11,585	346,744
Sovereign	2	69,369	98,954	17,437	185,760	40,185	88,033	14,820	143,038
Bank	3	5,594	7,344	16,852	29,790	4,602	6,547	16,890	28,039
Total Wholesale	4	225,713	320,357	46,481	592,551	188,427	286,099	43,295	517,821
Residential mortgages excluding home equity line of credits (HELOCs)	5	100,932	10,404		111,336	100,190	10,203	-	110,393
HELOCs	6	42,080	7,035	-	49,115	41,164	6,709	-	47,873
Other retail	7	30,001	11,974	566	42,541	30,143	11,714	490	42,347
Qualifying revolving retail	8	39,186	-	-	39,186	39,383	-	-	39,383
Retail SMEs	9	7,533	6,804	1	14,338	7,292	6,034	=	13,326
Total Retail	10	219,732	36,217	567	256,516	218,172	34,660	490	253,322
Other assets	11	5,583	2,671	452	8,706	5,579	3,976	465	10,020
Equity	12	83	1,614	218	1,915	74	1,522	221	1,817
Total Bank	13	451,111	360,859	47,718	859,688	412,252	326,257	44,471	782,980

CREDIT RISK EXPOSURE BY GEOGRAPHIC REGION	LINE		Q4	2019		Q3 2019			
(\$ millions)	#	Canada	U.S.	Other	Total	Canada	U.S.	Other	Total
Corporate (incl specialized lending and SMEs treated as corporate)	1	142,241	189,224	10,648	342,113	144,025	182,411	9,709	336,145
Sovereign	2	37,571	82,637	15,223	135,431	32,620	72,134	14,894	119,648
Bank	3	4,657	6,803	17,680	29,140	4,775	6,613	16,807	28,195
Total Wholesale	4	184,469	278,664	43,551	506,684	181,420	261,158	41,410	483,988
Residential mortgages excluding home equity line of credits (HELOCs)	5	99,477	10,439		109,916	97,851	10,767	-	108,618
HELOCs	6	40,066	6,682	-	46,748	39,572	6,725	-	46,297
Other retail	7	29,513	11,155	537	41,205	28,591	10,272	534	39,397
Qualifying revolving retail	8	38,220	-	-	38,220	37,711	-	-	37,711
Retail SMEs	9	7,073	6,572	-	13,645	6,598	6,567	1	13,166
Total Retail	10	214,349	34,848	537	249,734	210,323	34,331	535	245,189
Other assets	11	4,739	3,261	365	8,365	5,610	3,681	287	9,578
Equity	12	82	1,644	201	1,927	59	1,613	201	1,873
Total Bank	13	403,639	318,417	44,654	766,710	397,412	300,783	42,433	740,628

CREDIT RISK EXPOSURE BY GEOGRAPHIC REGION	LINE	Q2 2019					
(\$ millions)	#	Canada	U.S.	Other	Total		
Corporate (incl specialized lending and SMEs treated as corporate)	1	137,554	181,744	9,286	328,584		
Sovereign	2	32,433	62,160	17,121	111,714		
Bank	3	4,292	6,864	18,432	29,588		
Total Wholesale	4	174,279	250,768	44,839	469,886		
Residential mortgages excluding home equity line of credits (HELOCs)	5	96,519	11,077	-	107,596		
HELOCs	6	38,732	6,877	-	45,609		
Other retail	7	27,775	9,491	565	37,831		
Qualifying revolving retail	8	36,931	57	-	36,988		
Retail SMEs	9	6,098	6,724	-	12,822		
Total Retail	10	206,055	34,226	565	240,846		
Other assets	11	5,340	3,285	282	8,907		
Equity	12	51	1,611	213	1,875		
Total Bank	13	385,725	289,890	45,899	721,514		

											BMO 🌥 Fina	ıncial Group
CREDIT RISK EXPOSURE BY MAJOR ASSET CLASS			Q2 2	2020			Q1 2	2020	Q4 2019	Q3 2019	Q2 2019	
				Other off-				Other off-				
	LINE		Commitments	balance			Commitments	balance				
(\$ millions)	#	Drawn	(undrawn) (1)	sheet items (2)	Total	Drawn	(undrawn) <i>(1)</i>	sheet items (2)	Total	Total	Total	Total
Corporate (incl specialized lending and SMEs treated as corporate)	1	262,581	94,744	19,676	377,001	230,412	97,840	18,492	346,744	342,113	336,145	328,584
Sovereign	2	180,574	3,544	1,642	185,760	137,868	3,168	2,002	143,038	135,431	119,648	111,714
Bank	3	21,826	6,155	1,809	29,790	20,408	5,980	1,651	28,039	29,140	28,195	29,588
Total Wholesale	4	464,981	104,443	23,127	592,551	388,688	106,988	22,145	517,821	506,684	483,988	469,886
Residential mortgages excluding home equity line of credits (HELOCs)	5	111,228	52	56	111,336	110,281	54	58	110,393	109,916	108,618	107,596
HELOCs	6	33,050	16,065	-	49,115	32,154	15,719	-	47,873	46,748	46,297	45,609
Other retail	7	39,229	3,311	1	42,541	39,024	3,322	1	42,347	41,205	39,397	37,831
Qualifying revolving retail	8	7,196	31,990	-	39,186	8,417	30,966	-	39,383	38,220	37,711	36,988
Retail SMEs	9	10,784	3,509	45	14,338	10,072	3,209	45	13,326	13,645	13,166	12,822
Total Retail	10	201,487	54,927	102	256,516	199,948	53,270	104	253,322	249,734	245,189	240,846
Other assets	11	8,706	-	-	8,706	10,020	-	-	10,020	8,365	9,578	8,907
Equity	12	1,728	187	-	1,915	1,640	177	-	1,817	1,927	1,873	1,875
Total Bank	13	676,902	159,557	23,229	859,688	600,296	160,435	22,249	782,980	766,710	740,628	721,514

CREDIT RISK BY RESIDUAL CONTRACT MATURITY			Q2 2020				Q1 :	2020		Q4 2019	Q3 2019	Q2 2019
BREAKDOWN				Other off-				Other off-				
	LINE		Commitments	balance			Commitments	balance				
(\$ millions)	#	Drawn	(undrawn) (1)	sheet items (2)	Total	Drawn	(undrawn) (1)	sheet items (2)	Total	Total	Total	Total
Up to 1 year	1	254,242	93,935	16,515	364,692	217,772	89,159	15,541	322,472	315,521	301,584	275,032
1 to 5 years	2	339,025	59,651	6,610	405,286	304,382	65,679	6,583	376,644	369,735	358,925	370,031
Greater than 5 years	3	83,635	5,971	104	89,710	78,142	5,597	125	83,864	81,454	80,119	76,451
Total Bank	4	676,902	159,557	23,229	859,688	600,296	160,435	22,249	782,980	766,710	740,628	721,514

CREDIT RISK EXPOSURE BY INDUSTRY			Q2 2	2020			Q1 :	2020		Q4 2019	Q3 2019	Q2 2019
(\$ millions)	LINE #	Drawn	Commitments (undrawn) (1)	Other off- balance sheet items (2)	Total	Drawn	Commitments (undrawn) (1)	Other off- balance sheet items (2)	Total	Total	Total	Total
Agriculture	1	13,085	2,051	43	15,179	12,667	1,888	37	14,592	14,526	14,527	14,278
Communications	2	1,065	1,228	281	2,574	780	1,370	263	2,413	2,415	2,335	2,411
Construction	3	5,733	3,226	1,194	10,153	4,303	3,408	1,123	8,834	8,839	8,473	8,377
Financial	4	148,265	27,666	6,540	182,471	116,652	25,885	5,854	148,391	148,390	135,177	131,973
Forest products	5	1,273	431	97	1,801	1,155	421	89	1,665	1,589	1,589	1,559
Government	6	76,994	1,706	626	79,326	66,813	1,560	705	69,078	60,609	53,918	50,190
Individual	7	201,490	54,928	103	256,521	199,948	53,268	104	253,320	249,733	245,192	240,846
Manufacturing	8	36,584	13,400	1,668	51,652	28,407	15,676	1,685	45,768	44,465	44,140	43,624
Mining	9	3,877	3,696	1,382	8,955	2,312	4,404	1,357	8,073	7,957	7,909	7,833
Oil and Gas	10	14,965	11,205	1,952	28,122	12,870	11,421	1,784	26,075	26,519	26,633	25,029
Other	11	15,496	403	149	16,048	15,614	391	285	16,290	16,304	19,052	17,475
Real estate	12	43,806	8,629	913	53,348	39,523	9,216	905	49,644	46,957	45,779	45,444
Retail trade	13	26,249	3,872	635	30,756	22,629	4,024	596	27,249	27,118	26,905	26,931
Service industries	14	54,310	12,814	3,241	70,365	47,176	13,781	2,969	63,926	62,948	61,314	59,944
Transportation	15	9,029	2,562	1,222	12,813	7,984	2,675	1,173	11,832	12,166	11,792	10,994
Utilities	16	5,859	6,778	2,567	15,204	4,446	5,960	2,688	13,094	13,466	13,443	13,081
Wholesale trade	17	18,822	4,962	616	24,400	17,017	5,087	632	22,736	22,709	22,450	21,525
Total Bank	18	676,902	159,557	23,229	859,688	600,296	160,435	22,249	782,980	766,710	740,628	721,514

⁽¹⁾ The EAD on the difference between the authorized and drawn amounts (e.g. the unused portion of a line of credit).
(2) All other off-balance sheet arrangements, other than derivatives and undrawn commitments, such as standby letters of credit and documentary credits.

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT		BMO (2) Financial Group Q2 2020								
RISK (CCR) EXPOSURE BY APPROACH (1)	Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post- CRM	RWA				
(\$ millions except as noted)	а	b	С	d	е	f				
SA-CCR (for derivatives) Internal Model Method (for derivatives and SFTs) Simple Approach for credit risk mitigation (for SFTs) Comprehensive Approach for credit risk mitigation (for SFTs) VaR for SFTs	9,942	15,768	-	1.4	35,715 - - 31,352 -	9,197 - - 3,181				
6 Total						12,378				

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT		Q1 2020									
RISK (CCR) EXPOSURE BY APPROACH (1)	Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post- CRM	RWA					
(\$ millions except as noted)	а	b	С	d	е	f					
SA-CCR (for derivatives) Internal Model Method (for derivatives and SFTs)	6,764	16,123	-	1.4	31,915 -	8,128 -					
Simple Approach for credit risk mitigation (for SFTs) Comprehensive Approach for credit risk mitigation (for SFTs) VaR for SFTs					19,820	3,327					
6 Total						11,455					

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT		Q4 2019									
RISK (CCR) EXPOSURE BY APPROACH (1)	Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post- CRM	RWA					
(\$ millions except as noted)	a	b	С	d	е	f					
1 SA-CCR (for derivatives)	6,189	14,005		1.4	28,135	7,161					
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)					18,740	2,961					
5 VaR for SFTs					-						
6 Total						10.122					

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT			Q3 20	19		
RISK (CCR) EXPOSURE BY APPROACH (1)	Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post- CRM	RWA
(\$ millions except as noted)	а	b	С	d	е	f
SA-CCR (for derivatives) Internal Model Method (for derivatives and SFTs) Simple Approach for credit risk mitigation (for SFTs)	6,703	13,318	-	1.4	27,910 -	6,866
4 Comprehensive Approach for credit risk mitigation (for SFTs) 5 VaR for SFTs					19,591 -	2,761
6 Total						9,627

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT		Q2 2019									
RISK (CCR) EXPOSURE BY APPROACH (1)	Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post- CRM	RWA					
(\$ millions except as noted)	а	b	С	d	е	f					
1 SA-CCR (for derivatives)	6,286	14,472		1.4	28,940	6,827					
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)					19,519	2,877					
5 VaR for SFTs					-						
6 Total						9.704					

Excludes credit valuation adjustment charges and exposures cleared through a central counterparty.

		В	MO 🛎 Financ	cial Group
CCR2 - CREDIT VALUATION ADJUSTMENT (CVA)	Q2 20	20	Q1 20	20
CAPITAL CHARGE	EAD post-CRM	RWA	EAD post-CRM	RWA
(\$ millions)	а	b	С	d
Total portfolios subject to the Advanced CVA capital charge	-	-	- [-
1 (i) VaR component (including the 3×multiplier)		-		-
2 (ii) Stressed VaR component (including the 3×multiplier)		-		-
3 All portfolios subject to the Standardized CVA capital charge	25,196	7,164	22,429	6,182
4 Total subject to the CVA capital charge	25,196	7,164	22,429	6,182

CCR2 - CREDIT VALUATION ADJUSTMENT (CVA)	Q4 20	19	Q3 2019		
CAPITAL CHARGE	EAD post-CRM	RWA	EAD post-CRM	RWA	
(\$ millions)	а	b	С	d	
Total portfolios subject to the Advanced CVA capital charge	-	-	-	-	
1 (i) VaR component (including the 3×multiplier)		-		-	
2 (ii) Stressed VaR component (including the 3×multiplier)		-		-	
3 All portfolios subject to the Standardized CVA capital charge	19,787	5,400	19,620	5,350	
4 Total subject to the CVA capital charge	19,787	5,400	19,620	5,350	

CCR2 - CREDIT VALUATION ADJUSTMENT (CVA)	Q2 20	019
CAPITAL CHARGE	EAD post-CRM	RWA
(\$ millions)	а	b
Total portfolios subject to the Advanced CVA capital charge	-	-
1 (i) VaR component (including the 3×multiplier)		-
2 (ii) Stressed VaR component (including the 3×multiplier)		-
3 All portfolios subject to the Standardized CVA capital charge	20,343	5,622
4 Total subject to the CVA capital charge	20,343	5,622

CCR3 - STANDARDIZED APPROACH - CCR E	XPOSUR	RES BY R	EGULAT	ORY				BMO	Rima	ıncıal Group	
PORTFOLIO AND RISK WEIGHTS (1)						Q2 20	020				
(\$ millions)		Risk Weight									
										Total credit	
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	exposure	
Regulatory portfolio	#	а	b	С	d	е	f	g	h	i	
Sovereigns	1	-	-	-	-	-	-	-	-	_	
Non-central government public sector entities (PSEs)	2	-	-	-	-	-	-	-	-	-	
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-	
Banks	4	-	-	315	-	-	-	-	-	315	
Securities firms	5	-	-	8	-	-	-	-	-	8	
Corporates	6	-	-	-	1	-	343	-	-	344	
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-	
Secured by residential property	8	-	-	-	-	-	-	-	-	-	
Secured by commercial real estate	9	-	-	-	-	-	8	-	-	8	
Equity	10	-	-	-	-	-	-	-	-	-	
Defaulted exposures	11	-	-	-	-	-	-	-	-	-	
Higher-risk categories (2)	12	-	-	-	-	-	-	17	-	17	
Other assets	13	-	-	-	-	-	-	-	-	-	
Total	14	-	-	323	1	-	351	17	-	692	

PORTFOLIO AND RISK WEIGHTS (1)						Q1 20				
(\$ millions)						Risk W	eight			
										Total credit
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	exposure
Regulatory portfolio	#	а	b	С	d	е	f	g	h	i
Sovereigns	1	-	-	- [-	-	-	-	-	-
Non-central government public sector entities (PSEs)	2	-	-	-	-	-	-	-	-	-
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-
Banks	4	-	-	240	-	-	1	-	-	241
Securities firms	5	-	-	10	-	-	-	-	-	10
Corporates	6	-	-	-	-	-	515	-	-	515
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-
Secured by residential property	8	-	-	-	-	-	-	-	-	-
Secured by commercial real estate	9	-	-	-	-	-	4	-	-	4
Equity	10	-	-	-	-	-	-	-	-	-
Defaulted exposures	11	-	-	-	-	-	-	-	-	-
Higher-risk categories (2)	12	-	-	-	-	-	-	10	-	10
Other assets	13	-	-	-	-	-	-	-	-	-
Total	14	-	-	250	_	_	520	10	-	780

⁽¹⁾ Excludes credit valuation adjustment charges and exposures cleared through a central counterparty.
(2) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

CCR3 - STANDARDIZED APPROACH – CCR I	XPOSU	RES BY	REGULA	TORY				вмо	Fina	ancial Group
PORTFOLIO AND RISK WEIGHTS (1)						Q4 20	019			
(\$ millions)						Risk W	eight			
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
Regulatory portfolio	#	а	b	С	d	е	f	g	h	i
Sovereigns	1	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	2	-	-	-	-	-	-	-	-	-
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-
Banks	4	-	-	226	-	-	-	-	-	226
Securities firms	5	-	-	-	-	-	-	-	-	-
Corporates	6	-	-	-	-	-	533	-	-	533
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-
Secured by residential property	8	-	-	-	-	-	-	-	-	-
Secured by commercial real estate	9	-	-	-	-	-	4	-	-	4
Equity	10	-	-	-	-	-	-	-	-	-
Defaulted exposures	11	-	-	-	-	-	-	-	-	-
Higher-risk categories (2)	12	-	-	-	-	-	-	10	-	10
Other assets	13	-	-	-	-	-	-	-	-	-
Total	14	-	_	226	-	_	537	10	-	773

PORTFOLIO AND RISK WEIGHTS (1)						Q3 20				
(\$ millions)						Risk W	eight			
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	Total credit exposure
Regulatory portfolio	#	а	b	С	d	е	f	g	h	i
Sovereigns	1	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	2	-	-	7	-	-	-	-	-	7
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-
Banks	4	-	-	144	-	-	1	-	-	145
Securities firms	5	-	-	17	-	-	-	-	-	17
Corporates	6	-	-	-	-	-	175	-	-	175
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-
Secured by residential property	8	-	-	-	-	-	-	-	-	-
Secured by commercial real estate	9	-	-	-	-	-	4	-	-	4
Equity	10	-	-	-	-	-	-	-	-	-
Defaulted exposures	11	-	-	-	-	-	-	-	-	-
Higher-risk categories (2)	12	-	-	-	-	-	-	2	-	2
Other assets	13	-	-	-	-	-	-	-	-	-
Total	14	-	-	168	-		180	2	-	350

CCR3 - STANDARDIZED APPROACH – CCR E	XPOSU	RES BY	REGULA	TORY						
PORTFOLIO AND RISK WEIGHTS (1)						Q2 20)19			
(\$ millions)						Risk W	eight			
										Total credit
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	exposure
Regulatory portfolio	#	а	b	С	d	е	f	g	h	i
Sovereigns	1	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	2	-	-	1	-	-	-	-	-	1
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-
Banks	4	-	-	218	-	-	-	-	-	218
Securities firms	5	-	-	1	-	-	-	-	-	1
Corporates	6	-	-	-	-	-	149	-	-	149
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-
Secured by residential property	8	-	-	-	-	-	-	-	-	-
Secured by commercial real estate	9	-	-	-	-	-	3	-	-	3
Equity	10	-	-	-	-	-	-	-	-	-
Defaulted exposures	11	-	-	-	-	-	-	-	-	-
Higher-risk categories (2)	12	-	-	-	-	-	-	1	-	1
Other assets	13	-	-	-	-	-	-	-	-	-
Total	14	- 14	-	220	-	-	152	1	-	373

⁽¹⁾ Excludes credit valuation adjustment charges and exposures cleared through a central counterparty.
(2) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

										вмо	Financ	ial Group
CCR4 - IRB - CCR EXPOSURES BY PO	RTFOLIO AND PD SCA	ALE							Q2 2020			
(\$ millions except as noted)			Moody's Investors Service	Standard & Poor's	LINE	EAD post- CRM	Average PD	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
Risk Profile	BMO Rating	PD scale (%)	implied equivalent	implied equivalent	#	а	b	С	d	е	f	g
Corporate												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1	16,707	0.06%	3,172	27.15%	1.12	1,775	10.63%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	2	1,749	0.19%	391	39.04%	2.42	668	38.19%
Investment grade	I-6. I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	3	3.920	0.32%	524	36.46%	2.02	1.772	45.21%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	4	2,988	0.58%	534	34.98%	1.85	1,722	57.63%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	2,693	1.36%	772	34.54%	2.00	2,159	80.18%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	1,020	3.26%	303	26.95%	2.14	775	75.99%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	125	13.58%	33	24.51%	1.67	149	118.63%
Default	Default	100.00 (Default)	С	C to D	8	3	100.00%	10	40.15%	1.38	18	531.99%
Sub-total		, ,			9	29,205		5,739			9,038	
Sovereign				•								
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	21,266	0.02%	223	7.77%	1.08	483	2.27%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	134	0.19%	7	40.24%	0.93	36	27.20%
Investment grade	I-6, I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	12	61	0.32%	8	20.53%	0.36	11	17.95%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	5	0.56%	2	13.50%	1.00	1	17.67%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	-	1.72%	1	15.00%	1.00	-	32.08%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	2	9.58%	2	39.47%	1.00	3	161.07%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	17	-	-	-	-	-	-	-
Sub-total					18	21,468		243			534	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	10,884	0.04%	266	31.98%	0.59	954	8.77%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	4,109	0.19%	137	27.86%	2.50	1,153	28.07%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	21	347	0.32%	56	35.01%	0.77	109	31.52%
Investment grade to Non-investment grade	I-7, S-1	0.50 to < 0.75	Baa3 to Ba1	BBB- to BB+	22	357	0.54%	19	35.53%	0.28	141	39.64%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	1	1.36%	11	36.89%	0.99	1	70.95%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	4	2.74%	8	35.00%	1.19	4	96.31%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	26	-	-	-	-	-	-	-
Sub-total		· '			27	15,702		497			2,362	
Total (all wholesale portfolios)					28	66,375		6,479			11,934	

⁽¹⁾ Calculated as obligor PD weighted by EAD.
(2) Obligor count for Wholesale portfolios is at the borrower level.
(3) Calculated as the obligor LGD net of CRM weighted by EAD.
(4) Calculated as the obligor effective mat

										вмо	Financi	ial Group
CCR4 - IRB - CCR EXPOSURES BY PO	RTFOLIO AND PD SCA	ALE							Q1 2020			
(\$ millions except as noted)			Moody's Investors Service	Standard & Poor's	LINE	EAD post- CRM	Average PD	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
Risk Profile	BMO Rating	PD scale (%)	implied equivalent	implied equivalent	#	а	b	С	d	е	f	g
Corporate												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1	15,446	0.06%	3,197	28.04%	1.01	1,750	11.33%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	2	1,076	0.19%	400	39.83%	2.14	399	37.08%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	3	2,389	0.32%	511	37.50%	2.66	1,262	52.81%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	4	3,092	0.57%	680	36.07%	1.52	1,794	58.01%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	2,250	1.38%	592	36.87%	1.87	1,941	86.25%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	517	2.98%	300	38.80%	2.70	624	120.64%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	58	13.56%	28	22.18%	1.40	61	105.76%
Default	Default	100.00 (Default)	c	C to D	8	2	100.00%	5	45.00%	1.86	12	596.25%
Sub-total		,			9	24,830		5,713			7,843	
Sovereign	-			•								
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	8,992	0.04%	223	12.68%	2.26	369	4.11%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	40	0.19%	5	39.86%	0.60	10	23.81%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	12	84	0.32%	6	25.57%	0.53	19	23.14%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	2	0.54%	2	10.73%	1.00	-	13.82%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	1	0.94%	2	39.20%	1.00	1	65.13%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	-	-	-	-	-	-	-
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	17	-	-	-	-	-	-	-
Sub-total					18	9,119		238			399	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	14,678	0.06%	273	34.90%	1.30	2,133	14.53%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	1,319	0.19%	109	24.04%	0.78	163	12.36%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	21	605	0.32%	51	34.98%	0.44	173	28.57%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	22	397	0.54%	26	35.93%	0.12	154	38.75%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	4	1.27%	9	39.82%	0.83	3	72.15%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	3	3.79%	2	35.00%	2.21	3	121.94%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	C	C to D	26	-	-	-	-	-	-	-
Sub-total					27	17,006		470			2,629	
Total (all wholesale portfolios)					28	50,955		6,421			10,871	

⁽¹⁾ Calculated as obligor PD weighted by EAD.
(2) Obligor count for Wholesale portfolios is at the borrower level.
(3) Calculated as the obligor LGD net of CRM weighted by EAD.
(4) Calculated as the obligor effective maturity in years weighted by EAD.

										вмо (≌ °Financ	ial Group
CCR4 - IRB - CCR EXPOSURES BY PO	ARTEOLIO AND DD SC	N.E							Q4 2019			
(\$ millions except as noted)	KIPOLIO AND PD SCA	ALE	Moody's Investors Service	Standard & Poor's	LINE	EAD post-	Average PD (1)	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
Risk Profile	BMO Rating	PD scale (%)	implied equivalent	implied equivalent	#	а	b	С	d	е	f	g
Corporate												1
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1 1	12,379	0.06%	2,997	27.05%	1.11	1,207	9.75%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	2	1,518	0.19%	479	36.19%	1.70	476	31.34%
Investment grade	1-6. 1-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	3	2.832	0.32%	470	37.55%	2.18	1.377	48.63%
Investment grade to Non-investment grade	I-7. S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	4	2,059	0.61%	677	33.50%	1.78	1.168	56.72%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	2,124	1.38%	556	36.57%	1.60	1,775	83.57%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	473	3.10%	319	37.47%	1.91	513	108.36%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	67	13.09%	31	19.19%	1.33	60	90.27%
Default	Default	100.00 (Default)	C	C to D	8	1	100.00%	3	45.00%	1.00	4	596.25%
Sub-total		, , , , , , , , , , , , , , , , , , , ,			9	21,453		5,532			6,580	
Sovereign	•			•		•				•	·	
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	9,721	0.03%	225	10.58%	2.14	339	3.49%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	44	0.19%	3	39.93%	0.60	11	23.90%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	12	125	0.32%	6	31.32%	0.57	35	27.67%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	-	0.61%	1	15.00%	1.00	-	20.48%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	12	0.91%	3	39.91%	1.00	8	66.11%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	-	8.49%	4	40.00%	1.00	-	152.59%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	17	-	-	-	-	-	-	-
Sub-total					18	9,902		242			393	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	11,767	0.06%	273	34.96%	1.08	1,685	14.32%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	2,290	0.19%	115	29.09%	2.00	586	25.60%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	21	223	0.32%	46	34.93%	1.16	79	35.68%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	22	454	0.54%	27	36.25%	0.12	184	40.48%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	5	0.99%	11	44.18%	0.64	4	71.15%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	8	5.16%	3	35.00%	5.00	13	178.93%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	26	-	-	-	-	-	-	-
Sub-total					27	14,747		475			2,551	
Total (all wholesale portfolios)					28	46,102		6,249			9,524	

⁽¹⁾ Calculated as obligor PD weighted by EAD.
(2) Obligor count for Wholesale portfolios is at the borrower level.
(3) Calculated as the obligor LGD net of CRM weighted by EAD.
(4) Calculated as the obligor effective maturity in years weighted by EAD.

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CCR4 - IRB - CCR EXPOSURES BY PO	RTFOLIO AND PD SCA	ALE							Q3 2019			
(\$ millions except as noted)			Moody's Investors Service	Standard & Poor's	LINE	EAD post- CRM	Average PD	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
Risk Profile	BMO Rating	PD scale (%)	implied equivalent	implied equivalent	#	а	b	С	d	е	f	g
Corporate												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1	12,068	0.05%	2,914	26.16%	1.15	1,216	10.07%
Investment grade	I-5, I-6	0.15 to < 0.25	Baa1 to Baa2	BBB+ to BBB	2	1,169	0.19%	476	36.59%	1.94	391	33.44%
Investment grade	I-6. I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	3	3.820	0.32%	511	32.18%	1.50	1.450	37.96%
Investment grade to Non-investment grade	I-7, S-1	0.50 to < 0.75	Baa3 to Ba1	BBB- to BB+	4	1,852	0.61%	507	34.23%	1.68	1,046	56.46%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	1,776	1.32%	679	33.53%	1.45	1,322	74.44%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	609	3.10%	323	35.64%	1.78	624	102.58%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	34	13.16%	28	16.55%	1.37	26	77.25%
Default	Default	100.00 (Default)	С	C to D	8	13	100.00%	3	22.00%	1.00	39	291.54%
Sub-total		·			9	21,341		5,441			6,114	
Sovereign	-	-		•								
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	9,052	0.04%	218	12.66%	2.22	358	3.95%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	22	0.19%	5	39.21%	0.95	6	26.50%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	12	139	0.32%	6	32.12%	0.61	40	28.61%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	-	0.59%	2	27.02%	1.00	-	35.50%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	44	0.98%	3	39.97%	1.00	30	68.02%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	-	5.16%	1	40.00%	1.00	-	125.81%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	17	-	-	-	-	-	-	-
Sub-total					18	9,257		235			434	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	14,136	0.06%	266	34.46%	1.19	2,132	15.08%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	1,514	0.19%	114	34.21%	1.16	381	25.16%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	21	289	0.32%	49	35.07%	0.78	100	34.65%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	22	584	0.54%	24	35.35%	0.07	213	36.56%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	30	1.67%	12	52.23%	0.88	33	110.63%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	3	5.09%	3	35.00%	4.88	6	176.86%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	26	-	-	-	-	-	-	-
Sub-total					27	16,556		468			2,865	
Total (all wholesale portfolios)					28	47,154		6,144	·		9,413	

⁽¹⁾ Calculated as obligor PD weighted by EAD.
(2) Obligor count for Wholesale portfolios is at the borrower level.
(3) Calculated as the obligor LGD net of CRM weighted by EAD.
(4) Calculated as the obligor effective maturity in years weighted by EAD.

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CCR4 - IRB - CCR EXPOSURES BY PO	ORTFOLIO AND PD SCA	ALE.			Ī				Q2 2019			
(\$ millions except as noted)			Moody's Investors Service	Standard & Poor's	LINE	EAD post- CRM	Average PD (1)	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
Risk Profile	BMO Rating	PD scale (%)	implied equivalent	implied equivalent	#	а	b	С	d	е	f	g
Corporate												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1	12,818	0.05%	2,974	26.76%	1.10	1,233	9.62%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	2	1,590	0.19%	508	40.53%	2.15	609	38.30%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	3	1,557	0.32%	481	52.00%	2.53	980	62.94%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	4	2,186	0.62%	507	33.19%	1.49	1,141	52.20%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	1,849	1.35%	672	33.95%	1.50	1,414	76.47%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	553	3.12%	293	35.23%	1.63	546	98.73%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	67	13.05%	17	16.05%	1.35	50	74.63%
Default	Default	100.00 (Default)	С	C to D	8	-	100.00%	4	45.00%	1.63	-	0.00%
Sub-total					9	20,620		5,456			5,973	
Sovereign												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	8,586	0.04%	222	11.62%	2.37	340	3.96%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	19	0.19%	4	38.74%	0.96	5	26.32%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	12	97	0.32%	7	27.22%	0.41	23	23.71%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	-	0.00%	-	0.00%	0.00	-	0.00%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	7	0.92%	2	39.74%	1.01	5	71.43%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	1	5.16%	1	40.00%	1.00	1	100.00%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	С	C to D	17	-	-	-	-	-	-	-
Sub-total					18	8,710		236			374	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	17,136	0.07%	256	34.33%	1.13	2,628	15.34%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	821	0.19%	99	39.08%	0.60	246	29.96%
Investment grade	I-6, I-7	0.25 to < 0.50	Baa2 to Baa3	BBB to BBB-	21	353	0.32%	53	34.97%	0.59	112	31.73%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	22	438	0.54%	27	36.26%	0.10	167	38.13%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	4	1.32%	11	48.03%	1.00	4	100.00%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	4	2.74%	7	35.00%	1.00	4	100.00%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	-	-	-	-	-	-
Default	Default	100.00 (Default)	C	C to D	26	-	-	-	-	-	-	-
Sub-total Sub-total					27	18,756		453			3,161	
Total (all wholesale portfolios)					28	48,086		6,145			9,508	

⁽¹⁾ Calculated as obligor PD weighted by EAD.
(2) Obligor count for Wholesale portfolios is at the borrower level.
(3) Calculated as the obligor LGD net of CRM weighted by EAD.
(4) Calculated as the obligor effective maturity in years weighted by EAD.

						вмо 🛎 1	Financial Group
CCR5 - COMPOSITION OF COLLATE	RAL			Q2 2	020		
FOR CCR EXPOSURE (1) (2) (3)			Collateral used in de	rivative transactions		Collateral us	sed in SFTs
		Fair value of colla	ateral received	Fair value of po	sted collateral	Fair value of	Fair value of
	LINE	Segregated	Unsegregated	Segregated	Unsegregated	collateral received	posted collateral
(\$ millions)	#	а	b	С	d	е	f
Cash – domestic currency	1	-	2,184	-	4,718	44,985	40,710
Cash – other currencies	2	-	4,204	-	5,438	85,878	85,324
Domestic sovereign debt	3	113	2,783	326	3,226	52,065	44,269
Other sovereign debt	4	1,060	478	464	937	55,389	44,327
Government agency debt	5	28	2,033	-	278	8,218	28,855
Corporate bonds	6	64	10	9	520	19,178	22,897
Equity securities	7	68	130	925	3,876	39,514	48,455
Other collateral	8	-	-	-	-	11	-
Total	9	1,333	11,822	1,724	18,993	305,238	314,837

CCR5 - COMPOSITION OF COLLATER	AL			Q1 2	020		
FOR CCR EXPOSURE (1) (2) (3)			Collateral used in de	rivative transactions		Collateral us	sed in SFTs
		Fair value of coll	ateral received	Fair value of po	sted collateral	Fair value of	Fair value of
	LINE	Segregated	Unsegregated	Segregated	Unsegregated	collateral received	posted collateral
(\$ millions)	#	а	b	С	d	е	f
Cash – domestic currency	1	2	1,555	-	1,119	21,505	35,876
Cash – other currencies	2	-	2,960	-	2,573	90,650	78,486
Domestic sovereign debt	3	58	1,119	258	2,633	49,227	33,563
Other sovereign debt	4	245	689	221	620	54,155	52,474
Government agency debt	5	14	1,327	53	310	9,806	24,094
Corporate bonds	6	23	1	76	-	16,524	12,940
Equity securities	7	8	105	666	2,331	36,172	52,398
Other collateral	8	-	-	-	-	-	-
Total	9	350	7,756	1,274	9,586	278,039	289,831

CCR5 - COMPOSITION OF COLLA	ATERAL			Q4 2	019			
FOR CCR EXPOSURE (1) (3)			Collateral used in der	ivative transactions		Collateral us	used in SFTs	
		Fair value of coll	ateral received	Fair value of po	sted collateral	Fair value of	Fair value of	
	LINE	Segregated	Unsegregated	Segregated	Unsegregated	collateral received	posted collateral	
(\$ millions)	#	а	b	С	d	е	f	
Cash – domestic currency	1	-	1,543	-	1,457	20,905	35,942	
Cash – other currencies	2	-	2,178	-	2,196	75,062	75,636	
Domestic sovereign debt	3	-	558	-	1,149	45,055	28,690	
Other sovereign debt	4	-	449	-	590	56,917	50,681	
Government agency debt	5	-	1,302	-	1,188	6,774	18,999	
Corporate bonds	6	-	49	-	249	14,480	7,202	
Equity securities	7	-	380	-	2,088	36,680	48,848	
Other collateral	8	-	-	-	-			
Total	9	-	6.459	-	8,917	255.873	265,998	

CCR5 - COMPOSITION OF COLLATERAL		Q3 2019									
FOR CCR EXPOSURE (1) (3)			Collateral used in de	Collateral used in SFTs							
		Fair value of co	llateral received	Fair value of po	sted collateral	Fair value of	Fair value of				
l l	INE	Segregated	Unsegregated	Segregated	Unsegregated	collateral received	posted collateral				
(\$ millions)	#	а	b	С	d	е	f				
Cash – domestic currency	1	-	1,837		1,115	20,218	37,525				
Cash – other currencies	2	-	2,171	-	1,906	78,660	75,645				
Domestic sovereign debt	3	-	181	-	1,299	49,470	31,246				
Other sovereign debt	4	-	105	-	464	51,812	49,950				
Government agency debt	5	-	1,018	-	1,135	8,361	17,819				
Corporate bonds	6	-	-	-	205	13,893	11,663				
Equity securities	7	-	-	-	2,289	31,654	50,136				
Other collateral	8	-	-	-	-	-	-				
Total	9		5,312	-	8,413	254,068	273,984				

CCR5 - COMPOSITION OF COL	LATERAL	Q2 2019									
FOR CCR EXPOSURE (1) (3)			Collateral used in de	Collateral used in SFTs							
		Fair value of col	llateral received	Fair value of po	sted collateral	Fair value of	Fair value of				
LIN		Segregated	Unsegregated	Segregated	Unsegregated	collateral received	posted collateral				
(\$ millions)	#	а	b	С	d	е	f				
Cash – domestic currency	1	-	1.556	-	1.970	18.029	36,767				
Cash – other currencies	2	-	1,798	-	1,424	74,394	75,012				
Domestic sovereign debt	3	-	261	-	1,307	49,366	28,351				
Other sovereign debt	4	-	35	-	298	50,976	49,369				
Government agency debt	5	-	698	-	696	5,276	15,873				
Corporate bonds	6	-	49	-	196	4,209	11,284				
Equity securities	7	-	4	-	1,469	33,461	46,143				
Other collateral	8	-	-	-	-	-					
Total	9	-	4.401	-	7.360	235.711	262,799				

- (1) Segregated refers to collateral which is held in a bankruptcy-remote manner whereas unsegregated refers to collateral that is not held in bankruptcy-remote manner.

 (2) Effective Q1 2020, includes CSA Regulatory Initial Margin collateral posted in segregated custodian accounts.

 (3) Debt issued by Multilaterals and Supranational is included under other sovereign debt while debt issued by Fannie Mae and Freddie Mac is included under government agency debt.

				BMO 👛 Fina	ancial Group	
CCR6 - CREDIT DERIVATIVES EXPOS	URES (1)	Q2 :	2020	Q1 2020		
	LINE	Protection bought	Protection sold	Protection bought	Protection sold	
(\$ millions)	#	а	b	С	d	
Notionals						
Single-name credit default swaps	1	1,208	634	1,148	258	
Index credit default swaps	2	2,937	718	5,080	2,564	
Total return swaps	3	2,011	112	1,268	28	
Credit options	4	102	102	-	-	
Other credit derivatives	5	-	-	-	-	
Total notionals	6	6,258	1,566	7,496	2,850	
Fair values						
Positive fair value (asset)	7	140	15	17	65	
Negative fair value (liability)	8	144	15	126	5	

CCR6 - CREDIT DERIVATIVES EXPOSURE	S (1)	Q4 :	2019	Q3 2	2019
	LINE	Protection Protection so		Protection bought	Protection sold
(\$ millions)	#	а	b	С	d
Notionals					
Single-name credit default swaps	1	973	129	1,053	5
Index credit default swaps	2	4,388	1,939	10,192	7,655
Total return swaps	3	1,081	-	1,212	-
Credit options	4	-	-	660	-
Other credit derivatives	5	-	-	-	-
Total notionals	6	6,442	2,068	13,117	7,660
Fair values					
Positive fair value (asset)	7	38	47	16	174
Negative fair value (liability)	8	125	4	255	-

CCR6 - CREDIT DERIVATIVES EXPOSURES		Q2 2019				
	LINE	Protection bought	Protection sold			
(\$ millions)	#	а	b			
Notionals						
Single-name credit default swaps	1	1,084	1			
Index credit default swaps	2	7,703	5,328			
Total return swaps	3	1,416	-			
Credit options	4	-	-			
Other credit derivatives	5	-	-			
Total notionals	6	10,203	5,329			
Fair values						
Positive fair value (asset)	7	23	121			
Negative fair value (liability)	8	197	-			

⁽¹⁾ Effective Q4 2019, the bank's exposures for certain cleared index credit default swaps have been presented on a consolidated basis.

									вмо 🕿	Financial Group
CCR8 - EXPOSURES TO CENTRAL COUNTERPARTIES	Q2 20	20	Q1 20	20	Q4 2	019	Q3 2	2019	Q2 2	019
	EAD (post-CRM)	RWA	EAD (post-CRM)	RWA						
(\$ millions)	a	b	С	d	е	f	g	h	i	j
1 Exposures to QCCPs (total)		668		567		465		517		53
2 Exposures for trades at QCCPs (excluding initial margin and default fund										
contributions); of which:	12,284	255	8,004	172	8,545	181	8,424	175	8,907	18
3 (i) OTC derivatives	3,005	70	3,045	73	3,180	73	2,723	61	3,010	6
4 (ii) Exchange-traded derivatives	8,666	173	4,095	82	4,531	91	4,635	93	4,532	ę
5 (iii) Securities financing transactions	613	12	864	17	834	17	1,066	21	1,365	2
6 (iv) Netting sets where cross-product netting has been approved	-	-	-	-	-	-		-	-	
7 Segregated initial margin	-		-		-		-		-	
8 Non-segregated initial margin	4,780		3,209		2,404		2,650		2,821	
9 Pre-funded default fund contributions	1,129	413	733	395	544	284	670	342	640	35
10 Unfunded default fund contributions	-	-	-	-	-	-	-	-	-	
11 Exposures to non-QCCPs (total)		-		-		-		•		
12 Exposures for trades at non-QCCPs (excluding initial margin and default										
fund contributions); of which:	-	-	-	-	-	-	-	-	-	
13 (i) OTC derivatives	-	-	-	-	-	-	-	-	-	
14 (ii) Exchange-traded derivatives	-	-	-	-	-	-	-	-	-	
15 (iii) Securities financing transactions	-	-	-	-	-	-	-	-	-	
16 (iv) Netting sets where cross-product netting has been approved	-	-	-	-	-	-	-	-	-	
17 Segregated initial margin	-		-		-		-		-	
18 Non-segregated initial margin	-	-	-	-	-	-	-	-	-	
19 Pre-funded default fund contributions	-	-	-	-	-	-	-	-	-	
20 Unfunded default fund contributions	-	-	-	-	-	-	-	-	-	

			Q2 2	2020		Q1 2020				
DERIVATIVE INSTRUMENTS										
(\$ millions)	LINE #	Notional Amount	Replacement Cost	Credit Risk Equivalent	Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit Risk Equivalent	Risk-weighted Assets (1)	
Interest Rate Contracts										
Over-the-counter										
Swaps (2)	1	4,606,997	4,483	9,673	3,334	4,321,207	3,481	8,317	2,424	
Forward rate agreements	2	389,833	444	1,918	525	422,053	14	1,201	249	
Purchased options	3	54,828	234	384	118	51,550	524	782	163	
Written options	4	62,331	84	222	162	60,035	45	157	111	
	5	5,113,989	5,245	12,197	4,139	4,854,845	4,064	10,457	2,947	
Exchange traded										
Futures	6	319,812	19	69	1	275,276	66	145	3	
Purchased options	7	23,308	42	61	1	6,866	12	18	-	
Written options	8	14,601	-	1	-	7,305	9	13		
	9	357,721	61	131	2	289,447	87	176	3	
Total Interest Rate Contracts	10	5,471,710	5,306	12,328	4,141	5,144,292	4,151	10,633	2,950	
Foreign Exchange Contracts										
Over-the-counter										
Swaps	11	624,102	1,103	5,883	787	594,791	1,031	5,537	929	
Forward foreign exchange contracts	12	523,326	2,972	9,357	1,620	450,486	1,605	7,384	1,171	
Purchased options	13	48,295	166	393	143	36,203	50	181	52	
Written options	14	48,744	7	96	22	37,942	6	97	27	
·	15	1,244,467	4,248	15,729	2,572	1,119,422	2,692	13,199	2,179	
Exchange traded										
Futures	16	964	13	19	-	631	1	3	-	
Purchased options	17	2,257	20	30	1	1,982	34	50	1	
Written options	18	3,115	-	1	-	1,585	20	31	1	
	19	6,336	33	50	1	4,198	55	84	2	
Total Foreign Exchange Contracts	20	1,250,803	4,281	15,779	2,573	1,123,620	2,747	13,283	2,181	
Commodity Contracts										
Over-the-counter										
Swaps	21	24,164	529	2,169	779	25,533	139	1,779	510	
Purchased options	22	6,688	78	336	139	6,818	198	537	273	
Written options	23	4,260	140	327	205	4,382	12	187	49	
·	24	35,112	747	2,832	1,123	36,733	349	2,503	832	
Exchange traded										
Futures	25	33,327	983	1,882	38	31,986	122	695	14	
Purchased options	26	3,790	757	1,085	22	3,510	232	359	7	
Written options	27	6,022	16	60	1	5,578	307	481	10	
·	28	43,139	1,756	3,027	61	41,074	661	1,535	31	
Total Commodity Contracts	29	78,251	2,503	5,859	1,184	77,807	1,010	4,038	863	
Equity Contracts								<u> </u>		
Over-the-counter	30	54,858	736	7,400	1,397	58,106	379	8,129	2,205	
Exchange traded	31	44,071	3,216	5,457	109	51,164	552	2,300	46	
Total Equity Contracts	32	98,929	3,952	12,857	1,506	109,270	931	10,429	2,251	
Credit Contracts	33	5,701	230	563	36	9,050	355	672		
Sub-total	34	6,905,394	16,272	47,386	9,440	6,464,039	9,194	39,055	8,283	
Total	35	6,905,394	16,272	47,386	9,440	6,464,039	9,194	39,055	8,283	

⁽¹⁾ Risk-weighted assets are reported after the impact of master netting agreements and application of scaling factor, where applicable.

⁽²⁾ Interest Rate Contracts include Interest Rate Total Return Swaps.

											В	MO 👛° Fina	ıncial Group
			Q4 2	019			Q3 2	2019			Q2	2019	
DERIVATIVE INSTRUMENTS (\$ millions)	LINE #	Notional Amount	Replacement Cost	Credit Risk Equivalent	Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit Risk Equivalent	Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit Risk Equivalent	Risk-weighted Assets (1)
Interest Rate Contracts													
Over-the-counter													
Swaps (2)	1	4,396,272	3,233	8,114	2,300	4,135,002	3,335	8,132	2,001	4,198,293	2,733	7,454	1,503
Forward rate agreements	2	491,437	102	1,162	236	314,127	76	1,041	224	497,011	60	900	172
Purchased options	3	42,084	11	62	39	49,072	6	60	39	44,538	12	66	28
Written options	4	49,487	38	154	98	40,492	35	148	95	33,615	41	185	104
	5	4,979,280	3,384	9,492	2,673	4,538,693	3,452	9,381	2,359	4,773,457	2,846	8,605	1,807
Exchange traded													
Futures	6	225,747	90	161	3	251,372	109	193	4	212,056	181	311	
Purchased options	7	13,737	28	40	1	8,551	-	-	-	9,725	4	8	-
Written options	8	16,446	3	6	-	12,540	12	19	-	8,558	4	7	<u> </u>
	9	255,930	121	207	4	272,463	121	212	4	230,339	189	326	
Total Interest Rate Contracts	10	5,235,210	3,505	9,699	2,677	4,811,156	3,573	9,593	2,363	5,003,796	3,035	8,931	1,813
Foreign Exchange Contracts													
Over-the-counter													
Swaps	11	604,728	1,184	6,248	989	587,889	1,064	5,642	904	594,386	1,454	6,555	
Forward foreign exchange contracts	12	453,711	1,753	7,225	1,260	406,872	1,971	7,415	1,335	443,439	1,644	7,273	
Purchased options	13	37,398	40	167	46	34,162	31	139	42	33,466	51	177	
Written options	14	42,074	10	119	29	32,393	10	98	28	31,325	11	100	
	15	1,137,911	2,987	13,759	2,324	1,061,316	3,076	13,294	2,309	1,102,616	3,160	14,105	2,419
Exchange traded													
Futures	16	882	13	20	-	1,030	1	4	-	578		2	
Purchased options	17	3,295	13	24	-	1,783	21	32	1	2,401	7	14	-
Written options	18	2,502		2	-	1,563	17	26	1	1,834	2	4	<u> </u>
T. 1. 5	19	6,679	26	46	-	4,376	39	62	2	4,813	10	20	
Total Foreign Exchange Contracts	20	1,144,590	3,013	13,805	2,324	1,065,692	3,115	13,356	2,311	1,107,429	3,170	14,125	2,419
Commodity Contracts													
Over-the-counter													
Swaps	21	24,722	213	2,154	629	24,597	460	2,584	763	25,610		3,193	
Purchased options	22	6,608	98	472	125	6,607	40	444	109	6,969		496	
Written options	23	4,371	116	370	204	4,562	8	210	52	4,359		211	
Evelope as traded	24	35,701	427	2,996	958	35,766	508	3,238	924	36,938	779	3,900	1,173
Exchange traded	25	32,422	393	1,079	20	22.000	762	1,620	20	22.000	838	1,781	20
Futures	25				22	32,026			32	33,628			
Purchased options	26 27	3,615 5,230	378 1	567 52	11	3,186 4,897	124 190	207 318	4 6	2,562 4,938	49 77	98 160	
Written options	28	41,267	772	1,698	34	40,109	1,076	2,145	42	41,128	964	2,039	41
Total Commodity Contracts	29	76,968	1,199	4,694	992	75,875	1,584	5,383	966	78,066	1,743	5,939	
Equity Contracts	23	10,900	1,199	4,094	992	10,015	1,304	5,363	900	10,000	1,743	5,939	1,214
1	30	51.226	197	4 570	1 240	53.695	258	4 000	1 204	59.819	220	E 000	1 400
Over-the-counter	30	51,226 39,952	197 1.083	4,572 2,580	1,246 52		258 907	4,338	1,304 44		336 982	5,062 2.147	
Exchange traded	31	39,952 91,178	1,083	2,580 7,152	1,298	30,663 84,358	907 1,165	2,216 6,554	1,348	32,684 92,503	1,318	7,209	
Total Equity Contracts			,		, ,				,				
Credit Contracts	33	7,429	277	496	34	8,918	193	382	32	7,741	123	278	
Sub-total	34	6,555,375	9,274	35,846	7,325	6,045,999	9,630	35,268	7,020	6,289,535	9,389	36,482	
Total (1) Disk weighted assets are reported after the	35	6,555,375	9,274	35,846	7,325	6,045,999	9,630	35,268	7,020	6,289,535	9,389	36,482	6,982

⁽¹⁾ Risk-weighted assets are reported after the impact of master netting agreements and application of scaling factor where applicable.

(2) Interest Rate Contracts include Interest Rate Total Return Swaps.

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SEC1 - SECURITIZATION EXPOSURES IN THE BANKING BOOK (1)

O.	SECT-SECONTIZATION EXPOSORES IN THE BANKING BOOK (1)												
						Q2 2020							
		Bar	nk acts as origina	tor	В	ank acts as spons	or	Bank acts as investor					
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total			
(\$ n	nillions)	а	b	С	d	е	f	g	h	i			
1	Total retail, of which:	2,587	-	2,587	12,295	-	12,295	27	-	27			
2	Residential mortgage (2)	660	-	660	2,619	-	2,619	27	-	27			
3	Credit card	1,654	-	1,654	986	-	986	-	-	-			
4	Other retail exposures	273	-	273	8,690	-	8,690	-	-	-			
5	Re-securitization	=	=	=	ı	=	=	=	ı	-			
6	Total wholesale, of which:	76	12,730	12,806	5,819	=	5,819	12	-	12			
7	Loans to corporates	76	12,730	12,806	331	=	331	-	-	=			
8	Commercial mortgage	-	=	=	-	=	-	=	=	-			
9	Lease and receivables	-	-	-	4,990	-	4,990	5	-	5			
10	Other wholesale	-	-	=	498	-	498	7	-	7			
11	Re-securitization	-	-	=	-	-	-	-	-	-			

SE	C1 - SECURITIZATION EXPOSURES IN THE I	BANKING BOOK	(1)							
						Q1 2020				
		Bar	nk acts as origina	tor	В	ank acts as spons	or	Ва	nk acts as invest	or
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ m	nillions)	а	b	С	d	е	f	g	h	i
1	Total retail, of which:	2,689	-	2,689	11,373	-	11,373	32	-	32
2	Residential mortgage (2)	726	-	726	2,711	-	2,711	32	-	32
3	Credit card	1,654	-	1,654	958	-	958	-	-	-
4	Other retail exposures	309	-	309	7,704	-	7,704	-	-	-
5	Re-securitization	-	=	=	=	=	=	=	-	=
6	Total wholesale, of which:	72	9,619	9,691	5,797	=	5,797	19	-	19
7	Loans to corporates	72	9,619	9,691	182	=	182	-	-	-
8	Commercial mortgage	-	-	-	-	-	-	-	-	-
9	Lease and receivables	-	=	=	5,128	=	5,128	12	-	12
10	Other wholesale	-	=	=	487	=	487	7	-	7
11	Re-securitization	-	-	-	-	-	-	-	-	-

⁽¹⁾ The amounts disclosed represent the carrying value of securitization exposures in the banking book, including securitization exposures where the criteria for recognition of risk transference are not met. As at April 30, 2020, \$161 million (\$203 million at January 31, 2020, \$919 million at October 31, 2019, \$312 million at July 31, 2019 and \$379 million at April 30, 2019) of securitization exposures did not qualify for risk transference. The table excludes securitization-related assets of \$9,496 million at April 30, 2020 (\$9,257 million at January 31, 2020, \$9,177 million at October 31, 2019, \$8,190 million at July 31, 2019 and \$8,384 million at April 30, 2019) that are not subject to capital requirements but consolidated on the balance sheet for accounting purposes.

⁽²⁾ Excludes mortgage-backed securities that do not involve the tranching of credit risk (e.g. NHA MBS) which are not considered securitizations as per OSFI's CAR Guideline, Chapter 7, Structured Credit Products.

SEC1 - SECURITIZATION EXPOSURES IN THE BANKING BOOK (1)

		Q4 2019										
	Bar	nk acts as origina	tor	В	ank acts as spons	or	Bank acts as investor					
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total			
(\$ millions)	а	b	С	d	е	f	g	h	i			
1 Total retail, of which:	3,446	-	3,446	10,995	-	10,995	55	-	55			
2 Residential mortgage (2)	779	-	779	2,716	-	2,716	55	-	55			
3 Credit card	1,654	-	1,654	956	-	956	-	-	-			
4 Other retail exposures	1,013	-	1,013	7,323	-	7,323	-	-	-			
5 Re-securitization	-	-	-	-	-	-	-	-	-			
6 Total wholesale, of which:	72	8,704	8,776	5,954	-	5,954	8	-	8			
7 Loans to corporates	72	8,704	8,776	202	-	202	-	-	-			
8 Commercial mortgage	-	-	-	-	-	-	-	-	-			
9 Lease and receivables	-	-	-	5,267	-	5,267	-	-	-			
10 Other wholesale	-	-	-	485	-	485	8	-	8			
11 Re-securitization	-	-	-	-	-	-	-	-	-			

e=	C1 - SECURITIZATION EXPOSURES IN THE I	BANKING BOOK	(4)									
SE	CT - SECURITIZATION EXPOSURES IN THE I	SANKING BOOK	X (1)			Q3 2019						
		Bai	Bank acts as originator Bank acts as sponsor Bank acts as investor									
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total		
(\$ m	illions)	а	b	С	d	е	f	g	h	i		
1	Total retail, of which:	3,488	-	3,488	10,406	-	10,406	8	-	8		
2	Residential mortgage (2)	883	-	883	2,722	-	2,722	8	-	8		
3	Credit card	2,204	-	2,204	957	-	957	-	-	-		
4	Other retail exposures	401	-	401	6,727	-	6,727	-	-	-		
5	Re-securitization	-	-	-	•	-	-	-	-	-		
6	Total wholesale, of which:	72	8,620	8,692	6,111	-	6,111	40	-	40		
7	Loans to corporates	72	8,620	8,692	208	-	208	-	-	-		
8	Commercial mortgage	-	-	-	-	-	-	-	-	-		
9	Lease and receivables	-	-	-	5,416	-	5,416	32	-	32		
10	Other wholesale	-	-	-	487	-	487	8	-	8		
11	Re-securitization	-	-	-	-	-	-	-	-	-		

						Q2 2019				
		Bar	nk acts as origina	tor	Ba	ank acts as spons	or	Ва	ink acts as invest	or
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ mi	illions)	а	b	С	d	е	f	g	h	i
1	Total retail, of which:	3,602	-	3,602	10,555	-	10,555	-	-	
2	Residential mortgage (2)	975	-	975	2,791	-	2,791	-	-	-
3	Credit card	2,153	-	2,153	965	-	965	-	-	-
4	Other retail exposures	474	-	474	6,799	-	6,799	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Total wholesale, of which:	50	5,579	5,629	6,170		6,170	8	-	8
7	Loans to corporates	50	5,579	5,629	211	-	211	-	-	-
8	Commercial mortgage	-	-	-	-	-	-	-	-	-
9	Lease and receivables	-	-	-	5,468	-	5,468	-	-	-
10	Other wholesale	-	-	-	491	-	491	8	-	8
11	Re-securitization	-	-	-	-	-	-	-	-	-

⁽¹⁾ The amounts disclosed represent the carrying value of securitization exposures in the banking book, including securitization exposures where the criteria for recognition of risk transference are not met. As at April 30, 2020, \$161 million (\$203 million at January 31, 2020, \$919 million at October 31, 2019, \$312 million at July 31, 2019 and \$379 million at April 30, 2019) of securitization exposures did not qualify for risk transference. The table excludes securitization-related assets of \$9,496 million at April 30, 2020 (\$9,257 million at January 31, 2020, \$9,177 million at October 31, 2019, \$8,190 million at July 31, 2019 and \$8,384 million at April 30, 2019) that are not subject to capital requirements but consolidated on the balance sheet for accounting purposes.

⁽²⁾ Excludes mortgage-backed securities that do not involve the tranching of credit risk (e.g. NHA MBS) which are not considered securitizations as per OSFI's CAR Guideline, Chapter 7, Structured Credit Products.

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SEC2 - SECURITIZATION EXPOSURES IN THE TRADING BOOK (1)

					Q2 2020				
	Ban	k acts as origir	nator	Bar	ık acts as spor	nsor	Bar	ık acts as inve	stor
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ millions)	а	b	С	d	е	f	g	h	i
1 Total retail, of which:	-	-	-	-	-	-	419	-	419
2 Residential mortgage	-	-	-	-	-	-	154	-	154
3 Credit card	-	-	-	-	-	-	4	-	4
4 Auto loans/leases	-	-	-	-	-	-	147	-	147
5 Student loans	-	-	-	-	-	-	74	-	74
6 Other retail exposures	-	-	-	-	-	-	40	-	40
7 Re-securitization	-	-	-	-	ı	-	-	ı	-
8 Total wholesale, of which:	-	-	-	-	-	-	143	•	143
9 Loans to corporates	-	-	-	-	-	-	-	-	-
10 Commercial mortgage	-	-	-	-	-	-	64	-	64
11 Lease and receivables	-	-	-	-	-	-	57	-	57
12 Auto floorplan	-	-	-	-	-	-	4	-	4
13 Insurance premium	-	-	-	-	-	-	-	-	-
14 Other wholesale	-	-	-	-	-	-	18	-	18
15 Re-securitization	-	-	-	-	-	-	-	-	-

SECS SECII	DITIZATION EVI	DOCHDEC IN TL	IF TRADING BOO	K (1)

					Q1 2020				
	Ban	k acts as origir	nator	Ban	k acts as spon	sor	Ban	k acts as inve	stor
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ millions)	а	b	С	d	е	f	g	h	i
1 Total retail, of which:	-	-	-	-	-	_	262	_	262
2 Residential mortgage	-	-	-	-	-	-	88	-	88
3 Credit card	-	-	_	_	-	-	8	-	8
4 Auto loans/leases	-	-	-	-	-	-	91	-	91
5 Student loans	-	-	-	-	-	-	73	-	73
6 Other retail exposures	-	-	-	-	-	-	2	-	2
7 Re-securitization	-	-	-	-	-	-	-	-	
8 Total wholesale, of which:	-	-	-	-	-	-	204	-	204
9 Loans to corporates	-	-	-	-	-	-	-	-	-
10 Commercial mortgage	-	-	-	-	-	-	133	-	133
11 Lease and receivables	-	-	-	-	-	-	32	-	32
12 Auto floorplan	-	-	_	_	-	-	(2)	-	(2
13 Insurance premium	-	-	-	-	-	-	`-`	-	`-
14 Other wholesale	-	-	-	-	-	-	41	-	41
15 Re-securitization	_	_	_	_	_	_	_	_	_

⁽¹⁾ The amounts disclosed represent the net positions in the trading book.



	EGGINIEATION EXI GGGREG IN THE TRABING BO					Q4 2019				
		Bank	cacts as origin	ator	Ban	ık acts as spon	sor	Ban	k acts as inve	stor
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ millions)		а	b	С	d	е	f	g	h	i
1 Total i	retail, of which:	-	-	-	-	-	-	593	-	593
2 Resi	dential mortgage	-	-	-	-	-	-	262	-	262
3 Cred	lit card	-	-	-	-	-	-	75	-	75
4 Auto	loans/leases	-	-	-	-	-	-	188	-	188
5 Stud	ent loans	-	-	-	-	-	-	47	-	47
6 Othe	r retail exposures	-	-	-	-	-	-	21	-	21
	ecuritization	-	-	-	-	-	-	-	-	-
8 Total v	wholesale, of which:	-	-	-	-	-	-	268	-	268
9 Loan	s to corporates	-	-	-	-	-	-	8	-	8
10 Com	mercial mortgage	-	-	-	-	-	-	98	-	98
11 Leas	e and receivables	-	-	-	-	-	-	111	-	111
12 Auto	floorplan	-	-	-	-	-	-	26	-	26
13 Insur	ance premium	-	-	-	-	-	-	-	-	-
14 Othe	r wholesale	-	-	-	-	-	-	25	-	25
15 Re-s	ecuritization	-	-	-	-	-	-	-	-	-

SE	C2 - SECURITIZATION EXPOSURES IN THE TRADING BO	OK (1)								
						Q3 2019				
		Banl	k acts as origin	ator	Bar	ık acts as spon	isor	Bar	nk acts as inves	stor
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ mi	illions)	а	b	С	d	е	f	g	h	i
1	Total retail, of which:	-	-	-	-	-	-	454	-	454
2	Residential mortgage	-		-	-	-	-	158	-	158
3	Credit card	-	-	-	-	-	-	95	-	95
4	Auto loans/leases	-	-	-	-	-	-	164	-	164
5	Student loans	-	-	-	-	-	-	27	-	27
6	Other retail exposures	-	-	-	-	-	-	10	-	10
7	Re-securitization	-	-	-	-	-	-	-	-	-
8	Total wholesale, of which:	-	•	-	-	-	-	177	-	177
9	Loans to corporates	-	-	-	-	-	-	11	-	11
10	Commercial mortgage	-	-	-	-	-	-	85	-	85
11	Lease and receivables	-	-	-	-	-	-	58	-	58
12	Auto floorplan	-	-	-	-	-	-	19	-	19
13	Insurance premium	-	-	-	-	-	-	-	-	-
14	Other wholesale	-	-	-	-	-	-	4	-	4
15	Re-securitization	-	-	-	-	-	-	-	-	-

SEC2 - SE	ECURITIZATION EXPOSURES IN THE TRADING BO	OK (1)								
						Q2 2019				
		Bank	acts as origin	ator	Ban	ık acts as spon	sor	Ban	k acts as inves	stor
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
(\$ millions)		а	b	С	d	е	f	g	h	i
1 Total re	etail, of which:	-	-	-	-	-	-	252	-	252
2 Resid	dential mortgage	-	-	-	-	-	-	80	-	80
3 Credit	t card	-	-	-	-	-	-	51	-	51
4 Auto I	loans/leases	-	-	-	-	-	-	105	-	105
5 Stude	ent loans	-	-	-	-	-	-	14	-	14
6 Other	retail exposures	-	-	-	-	-	-	2	-	2
7 Re-se	ecuritization	-	-	-	-	-	-	-	-	-
8 Total w	vholesale, of which:	-	-	-	-	-	-	140	-	140
9 Loans	s to corporates	-	-	-	-	-	-	-	-	-
10 Comm	mercial mortgage	-	-	-	-	-	-	47	-	47
11 Lease	e and receivables	-	-	-	-	-	-	59	-	59
12 Auto f	floorplan	-	-	-	-	-	-	6	-	6
13 Insura	ance premium	-	-	-	-	-	-	-	-	-
14 Other	wholesale	-	-	-	-	-	-	28	-	28
15 Re-se	ecuritization	-	-	-	-	-	-	-	-	-

⁽¹⁾ The amounts disclosed represent the net positions in the trading book.

SEC3 - SECURITIZATION EXPOSUR	ES IN THE BAN	KING BOOK	AND ASSO	CIATED CAP	PITAL REQUI	REMENTS (BANK ACTIN	G AS ORIGIN	NATOR OR	AS SPONSO	OR) (1)				ВМО	△ Financi	al Group
				<u> </u>				<u> </u>	Q2 2020		, (.)						
		Exposure v	alues by RW	bands (2)		Exposu	re values by re	gulatory appro	ach (2)	R	WA by regulator	ry approach (3	3)		Capital charg	ge after cap	
	≤20%	>20% to 50%	>50% to	>100% to <1250%	1250% PW	SEC-IRBA	SEC-ERBA,	SEC-SA	1250%	SEC IDRA	SEC-ERBA,	SEC-SA	1250%	SEC IDBA	SEC-ERBA,	SEC-SA	1250%
(\$ millions)	320 /6 a	b	C	<1250 /6	1230 % KVV	f f	a a	h	i i	j j	k	JEC-SA	m	n SEC-IRBA	o O	D D	1230 /6 a
1 Total exposures	28,314	3,720	29	70	80	24,548	2,123	5,542		4,080	294	1,681		321	23	117	-
2 Traditional securitization	20,290	163	29	70	64	12,951	2.123	5,542	_	1,560	294	1.681	_	119	23	117	
3 Of which securitization	20,290	163	29	70	64	12,951	2.123	5,542	-	1,560	294	1.681	-	119	23	117	
4 Of which retail underlying	14,601	1		54	64	7.878	2.123	4.719	-	866	294	1,560	_	68	23	107	-
5 Of which wholesale	5,689	162	29	16	-	5,073		823	-	694	-	121	_	51		10	-
6 Of which re-securitization	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	8,024	3,557	-	-	16	11,597	-	-	-	2,520	-	-	-	202	-	-	-
10 Of which securitization	8,024	3,557	-	-	16	11,597	-	-	-	2,520	-	-	-	202	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	8,024	3,557	-	-	16	11,597	-	-	-	2,520	-	-	-	202	-	-	-
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- '

									Q1 2020								
		Exposure v	values by RW	bands (2)		Exposu	re values by re	gulatory appro	ach (2)	RI	NA by regulator	y approach (3)		Capital charg	e after cap	
	<200%	> 000/ 4- F00/	>50% to	>100% to	40500/ DW	SEC IRRA	SEC-ERBA,	050.04	40500/	0E0 IDD 4	SEC-ERBA,	050.04	40500/		SEC-ERBA,	050.04	4050
millions)	≤20%	>20% to 50%	100%	<1250%	1250% RW	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250
millions)	a	ū	C	u	e		g	11		J	ĸ		111	n	O	þ	9
Total exposures	28,317	4	1	68	55	21,620	2,123	4,702	-	2,867	294	1,401	-	225	23	95	
Traditional securitization	19,603	4	1	68	52	12,903	2,123	4,702	-	1,514	294	1,401	-	116	23	95	
Of which securitization	19,603	4	1	68	52	12,903	2,123	4,702	-	1,514	294	1,401	-	116	23	95	
Of which retail underlying	13,753	-	1	54	52	7,753	2,123	3,984	-	861	294	1,318	-	67	23	89	
Of which wholesale	5,850	4	-	14	-	5,150	-	718	-	653	-	83	-	49	-	6	
Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Synthetic securitization	8,714	-	-	-	3	8,717	-	-	-	1,353	-	-	-	109	-	-	
Of which securitization	8,714	-	-	-	3	8,717	-	-	-	1,353	-	-	-	109	-	-	
Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of which wholesale	8,714	-	-	-	3	8,717	-	-	-	1,353	-	-	-	109	-	-	
Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

⁽¹⁾ Only includes securitization exposures where the risk transference recognition criteria are met in accordance with OSFI's CAR Guidelines, Chapter 7, Structured Credit Products.

(2) Exposure amounts are net of collateral.

(3) RWA before application of the KIRB cap.

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

									Q4 2019								
		Exposure	values by RW	bands (2)		Exposu	re values by reg	ulatory appro	ach (2)	R	WA by regulator	y approach (3)			Capital char	ge after cap	
			>50% to	>100% to			SEC-ERBA,				SEC-ERBA,				SEC-ERBA,		
	≤20%	>20% to 50%	100%	<1250%	1250% RW	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%
(\$ millions)	a	b	С	d	е	f	g	h	i	j	k	ı	m	n	0	р	q
1 Total exposures	27,087	206	11	32	48	22,051	1,656	3,676	-	2,965	166	945	-	232	13	76	-
2 Traditional securitization	19,259	206	11	32	41	14,216	1,656	3,676	-	1,696	166	945	-	131	13	76	-
3 Of which securitization	19,259	206	11	32	41	14,216	1,656	3,676	-	1,696	166	945	-	131	13	76	-
4 Of which retail underlying	13,453	-	11	17	41	8,927	1,656	2,938	-	975	166	860	-	76	13	69	-
5 Of which wholesale	5,806	206	-	15	-	5,289	-	738	-	721	-	85	-	55	-	7	-
6 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitization	7,828	-	-	-	7	7,835	-	-	-	1,269	-	-	-	101	-	-	-
10 Of which securitization	7,828	-	-	-	7	7,835	-	-	-	1,269	-	-	-	101	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	7,828	-	-	-	7	7,835	-	-	-	1,269	-	-	-	101	-	-	-
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SEC3 - SECURITIZATION EXPOSURES	S IN THE BAN	IKING BOOK	AND ASSO	CIATED CAP	PITAL REQUI	REMENTS (BANK ACTIN	IG AS ORIGIN	NATOR OR	AS SPONSO	OR) (1)						
									Q3 2019								
		Exposure v	alues by RW	bands (2)		Exposu	re values by re	gulatory appro	ach (2)	R	WA by regulate	ry approach (3)		Capital char	ge after cap	
	≤20%	>20% to 50%	>50% to 100%	>100% to <1250%	1250% RW	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%
(\$ millions)	а	b	С	d	е	f	g	h	i	j	k	I	m	n	0	р	q
1 Total exposures	25,395	2,032	1	32	53	24,413	2,206	893	-	3,619	221	663	-	283	18	53	-
2 Traditional securitization	17,653	2,032	1	32	46	16,664	2,206	893	-	2,366	221	663	-	183	18	53	-
3 Of which securitization	17,653		1	32	46	16,664		893	-	2,366	221	663	-	183	18	53	-
4 Of which retail underlying	11,691	1,826	1	17	46	11,329	2,206	45	-	1,613	221	560	-	127	18	45	-
5 Of which wholesale	5,962	206	-	15	-	5,335	-	848	-	753	-	103	-	56	-	8	-
6 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Of which non-senior	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
9 Synthetic securitization	7,742	-	-	-	7	7,749	-		-	1,253	-	-	-	100	-	-	-
10 Of which securitization	7,742	-	-	-	7	7,749	-	-	-	1,253	-	-	-	100	-	-	-
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Of which wholesale	7,742	-	-	-	7	7,749	-	-	-	1,253	-	-	-	100	-	-	-
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SEC3 - SECURITIZATION EXPOSURE	O IN THE BAN	Italia Book							Q2 2019								
		Exposure	values by RW	bands (2)		Exposu	re values by re	gulatory appro	oach (2)	R	WA by regulato	ry approach (3)		Capital char	ge after cap	
	400%	. 000/ / 500/	>50% to	>100% to	40500/ 500/	050 1554	SEC-ERBA,	252.24	40500/	252 1554	SEC-ERBA,	252.24	40500/	050 1004	SEC-ERBA,	252.24	40500/
	≤20%	>20% to 50%	100%	<1250%	1250% RW	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%
(\$ millions)	a	a	С	a	е	ī	g	n		J	К	ı	m	п	0	р	q
1 Total exposures	22,802	2,043	1	28	58	22,006	2,156	770	-	3,197	216	719	-	251	18	57	
2 Traditional securitization	17,875	2,043	1	28	51	17,072	2,156	770	-	2,365	216	719	-	184	18	57	
3 Of which securitization	17,875	2,043	1	28	51	17,072	2,156	770	-	2,365	216	719	-	184	18	57	
4 Of which retail underlying	11,873	1,835	1	18	51	11,572	2,156	50	-	1,624	216	626	-	127	18	50	
5 Of which wholesale	6,002	208	-	10	-	5,500	-	720	-	741	-	93	-	57	-	7	
6 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9 Synthetic securitization	4,927	-	-	-	7	4,934	-	-	-	832			-	67	-	-	
10 Of which securitization	4,927	-	-	-	7	4,934	-	-	-	832	-	-	-	67	-	-	
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12 Of which wholesale	4,927	-	-	-	7	4,934	-	-	-	832	-	-	-	67	-	-	
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

⁽¹⁾ Only includes securitization exposures where the risk transference recognition criteria are met in accordance with OSFI's CAR Guidelines, Chapter 7, Structured Credit Products.
(2) Exposure amounts are net of collateral.
(3) RWA before application of the KIRB cap.

SEC4 - SECURITIZATION EXPOSUR	ES IN THE BAN	KING BOOK	AND ASSO	CIATED CAP	PITAL REQU	IREMENTS	(BANK ACTIN	IG AS INVES	TOR) (1)						ВМО	Financ	ial Group		
		Exposure v	alues by RW	bands (2)		Exposi	ure values by re	gulatory appro	ach (2)		RWA by regulato	ry approach (3)		Capital charge after cap				
	≤20%	>20% to 50%	>50% to	>100% to <1250%	1250% PW	SEC IDDA	SEC-ERBA,	SEC SV	1250%	SEC IDDA	SEC-ERBA,	SEC-SA	1250%	SEC IDDA	SEC-ERBA,	SEC SA	1250%		
(\$ millions)	320 /6	20 % to 50 %	100 /6	1230 /6	1230 % KVV	f SEC-IRBA	n n	h	1230 /6	j j	k	JEC-JA	1230 /6 m	n SEC-IKBA	including IAA	D D	1250 /6		
,					Ŭ	•	9		'	,		•	•••		Ÿ	Y	9		
1 Total exposures	32	-		-	-	-	- 39	-	-		- 10	-	-	-	1	-			
2 Traditional securitization	32	-	7	-	-	-	- 39	-	-		- 10	-		-	1	-			
3 Of which securitization	32	-	7	-	-	-	- 39	-	-		- 10	-	-	-	1	-	1		
4 Of which retail underlying	27	-	-	-	-	-	- 27	-	-		- 4	-	-	-	-	-	1		
5 Of which wholesale	5	-	7	-	-	-	- 12	-	-		- 6	-	-		1	-	1		
6 Of which re-securitization	-	-	-	-	-	-		-	-			-	-	-	-	-	I		
7 Of which senior	-	-	-	-	-			-	-			-	-	-	-	-	1		
8 Of which non-senior	-	-	-	-	-			_	-			-	-		-	-			
9 Synthetic securitization	-	-	-	-	-			-	-		-	-	-		-	-			
10 Of which securitization	-	-	-	-	-			-	-			-	-	-	-		ĺ		
11 Of which retail underlying	-	-	-	-	-			_	-			-	-		-	_	I		
12 Of which wholesale	-	-	-	-	-		. -	_	-		- -	-	-	. -	_	_	[
13 Of which re-securitization	_	_	-	_	-			_	_		- -	-	-	. -	_	_	ĺ		
14 Of which senior	_	_	-	_	-		. -	_	_	1 .	- -	_	-	. -	_	_	[
15 Of which non-senior	_	_	_	_	-			_	_			_	_	. _	_	_	1		

							Q1 2020										
		Exposure v	alues by RW	bands (2)		Exposi	Exposure values by regulatory approach (2)				RWA by regulato	y approach <i>(</i> 3	3)	Capital charge after cap			
			>50% to	>100% to			SEC-ERBA,				SEC-ERBA,				SEC-ERBA,		
	≤20%	>20% to 50%	100%	<1250%	1250% RW	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	1250%	SEC-IRBA	including IAA	SEC-SA	125
llions)	a	b	С	d	е	f	g	h	i	j	k	ı	m	n	0	р	C
Total exposures	44	-	7	-	-	-	51	-	-	-	- 12	-	-	-	1	-	
raditional securitization	44	-	7	-	-	-	51	-	-	-	- 12	-	-	-	1	-	
Of which securitization	44	-	7	-	-	-	51	-			- 12	-	-	-	1	-	
Of which retail underlying	32	-	-	-	-	-	32	-	-		- 5	-	-	_	-	-	
Of which wholesale	12	-	7	-	-	-	19	-	-	-	- 7	-	-	-	1	-	
Of which re-securitization	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
Of which senior	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
Of which non-senior	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
nthetic securitization	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	
Of which securitization	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	
Of which retail underlying	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
Of which wholesale	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
Of which re-securitization	-	-	-	-	-	-	-	-	-	-	- -	-	-	-	-	-	
Of which senior	-	-	-	-	-	-	-	-	-		- -	-	-	_	-	-	
Of which non-senior	-	_	-	-	-	_	_	-	_		. .	-	_	-	-	-	

⁽¹⁾ Only includes securitization exposures where the risk transference recognition criteria are met in accordance with OSFI's CAR Guidelines, Chapter 7, Structured Credit Products.
(2) Exposure amounts are net of collateral.
(3) RWA before application of the KIRB cap.

SE	4 - SECURITIZATION EXPOSURES I	IN THE BAN	NKING BOOK	AND ASSO	CIATED CAP	PITAL REQUI	REMENTS (BANK ACTIN	G AS INVES	TOR) <i>(1)</i>								
										Q4 2019								
			Exposure	values by RW	bands (2)		Exposu	re values by re	gulatory appro	ach (2)	R)	WA by regulato	ry approach (3)		Capital char	ge after cap	
				>50% to	>100% to			SEC-ERBA,				SEC-ERBA,				SEC-ERBA,		
		≤20%	>20% to 50%	100%	<1250%	1250% RW	SECJERA	including IAA	SEC-SA	1250%	SECJERA	including IAA	SEC-SA	1250%	SECJERA	including IAA	SEC-SA	1250%
		220 /6	- 20 /8 to 30 /8	100 /6	1230/0	1230 /6 1111	SEO-INDA	including IAA	JLU-UA	1230 /6	SEC-INDA	including IAA	JLU-JA		OLO-INDA	including IAA	OLU-UA	1230 /6
(\$ m	lions)	a	D	С	α	е	ī	g	n		J	K	l l	m	п	0	р	q
1	Total exposures	55	-	8	-	-	-	63	-	-	-	14	-	-	-	1	-	-
2	raditional securitization	55	-	8	-	-	-	63	-	-	-	14	-	-	-	1	-	-
3	Of which securitization	55	-	8	-	-	-	63	-	-	-	14		-	-	1		-
4	Of which retail underlying	55	-	-	-	-	-	55	-	-	-	9	-	-	-	1	-	-
5	Of which wholesale	-	-	8	-	-	-	8	-	-	-	5	-	-	-	-	-	-
6	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Synthetic securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SEC4 - SECURITIZATION EXPOSURES	IN THE BAN	KING BOOK	AND ASSO	CIATED CAF	PITAL REQUI	REMENTS (BANK ACTIN	IG AS INVES	TOR) (1)									
								Q3 2019										
		Exposure v	alues by RW	bands (2)		Exposu	re values by re	gulatory appro	R	WA by regulate	ry approach ((3)	Capital charge after cap					
	≤20%	>20% to 50%	>50% to 100%	>100% to <1250%	1250% RW	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	
(\$ millions)	а	b	С	d	е	f	g	h	i	j	k	I	m	n	0	р	q	
1 Total exposures	40	-	8	-	-	8	40	-	-	1	11	-	-	-	1	-	-	
2 Traditional securitization	40	-	8	-	-	8	40	-	-	1	11		-	-	1	-	-	
3 Of which securitization	40	-	8	-	-	8	40	-	-	1	11	-	-	-	1	-	-	
4 Of which retail underlying	8	-	-	-	-	8	-	-	-	1	-	-	-	-	-	-	-	
5 Of which wholesale	32	-	8	-	-	-	40	-	-	-	11	-	-	-	1	-	-	
6 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9 Synthetic securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12 Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

							Q2 2019										
		Exposure	values by RW	bands (2)		Exposure values by regulatory approach (2)				RWA by regulatory approach (3)				Capital charge after cap			
	≤20%	>20% to 50%	>50% to 100%	>100% to <1250%	1250% RW	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%	SEC-IRBA	SEC-ERBA, including IAA	SEC-SA	1250%
\$ millions)	а	b	С	d	е	f	g	h	i	j	k	I	m	n	0	р	q
1 Total exposures	-	-	8	-	-	-	8	-	-	-	5	-	-	-	-	-	
2 Traditional securitization	-	-	8	-	-	-	8	-	-	-	5	-	-	-	-	-	
3 Of which securitization	-	-	8	-	-	-	8	-	-	-	5	-	-	-	-	-	
4 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 Of which wholesale	-	-	8	-	-	-	8	-	-	-	5	-	-	-	-	-	
6 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8 Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9 Synthetic securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10 Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11 Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13 Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14 Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 Of which non-senior	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	

BMO (A) Financial Group MARKET RISK RISK-WEIGHTED ASSETS (RWA) MOVEMENT BY KEY DRIVERS LINE Q2 2020 Q1 2020 Q4 2019 Q3 2019 Q2 2019 # (\$ millions) Market Risk RWA, beginning of quarter 9,590 11,183 10.713 12.332 14.820 1 2 5,525 (1,571)(257)(242)(1,993)Movement in risk levels (1) Model updates (2) 3 318 Methodology and policy (3) (4,590)727 (1,377)(495)4 (340)Acquisition and disposals 5 Foreign exchange movement and others 6 10,525 9,590 11,183 10,713 12,332 Market Risk RWA, end of quarter

- (1) Movement in risk levels includes changes in exposures and market movements.
- (2) Model updates includes updates to risk models to reflect recent experience and changes in model scope.
- (3) Methodology and policy includes methodology changes to the calculations driven by regulatory policy changes, such as new or revised regulation.

											ı	BMO 👛 Fina	ncial Group
ESTIMATED AND ACTUAL LOSS PARAMETERS UNDER AIRB APPROACH				Q2 20	020					Q1 2	020		
(\$ millions except as noted)		PD (1	() (2)	LGD (3	3) (4)	EAD (5	5) (6)	PD (1)	(2)	LGD (3) (4)	EAD (5) (6)
Risk Profile	LINE #	Average estimated	Actual	Average	Actual	Estimated	Actual	Average	Actual	Average	Actual	Estimated	Actual
RISK Profile	#	estimated	Actual	estimated	Actual	Estimated	Actual	estimated	Actual	estimated	Actual	Estimated	Actual
Wholesale													
Corporate including specialized lending	1	0.93%	0.65%	34.12%	14.95%	1,172	970	0.92%	0.66%	34.45%	13.27%	805	672
Corporate small and medium enterprises (SMEs)	2	1.06%	0.40%	39.19%	16.76%	166	137	1.08%	0.49%	39.10%	17.50%	70	69
Sovereign	3	0.09%	0.00%	15.75%	0.00%	-	-	0.09%	0.00%	15.70%	0.00%	-	-
Bank	4	0.46%	0.00%	15.45%	0.00%	-	-	0.49%	0.00%	13.30%	0.00%	-	-
Retail													
Residential mortgages excluding home equity line of credits (HELOCs) - Uninsured only (7) (8)	5	1.01%	0.58%	19.38%	7.49%	262	262	0.93%	0.62%	21.68%	9.66%	286	286
HELOCs (8)	6	0.48%	0.39%	31.17%	11.43%	149	137	0.45%	0.42%	32.39%	13.94%	159	148
Qualifying revolving retail (QRR)	7	1.30%	1.20%	84.98%	80.22%	547	520	1.23%	1.20%	84.71%	78.92%	540	514
Other retail (excl. SMEs)	8	5.38%	4.68%	84.53%	77.17%	338	338	5.37%	4.92%	85.12%	78.06%	343	342
Retail SMEs	9	1.31%	1.04%	96.31%	79.67%	48	32	1.18%	0.96%	96.55%	79.46%	51	39

ESTIMATED AND ACTUAL LOSS PARAMETERS UNDER AIRB APPROACH				Q4 20	19					Q3 2	2019		
(\$ millions except as noted)		PD (1) (2)	LGD (3)	(4)	EAD ((5) (6)	PD (1)	(2)	LGD ((3) (4)	EAD (5)	(6)
	LINE	Average		Average				Average		Average			
Risk Profile	#	estimated	Actual	estimated	Actual	Estimated	Actual	estimated	Actual	estimated	Actual	Estimated	Actual
Wholesale													
Corporate including specialized lending	1	0.94%	0.54%	33.83%	26.88%	430	254	0.84%	0.40%	34.18%	27.98%	291	161
Corporate small and medium enterprises (SMEs)	2	1.13%	0.48%	38.74%	21.87%	109	64	1.17%	0.48%	38.77%	23.59%	108	59
Sovereign	3	0.11%	0.00%	15.98%	0.00%	-	-	0.10%	0.00%	16.19%	0.00%	-	-
Bank	4	0.51%	0.00%	14.11%	0.00%	-	-	0.41%	0.00%	14.81%	0.00%	-	-
Retail													
Residential mortgages excluding home equity line of credits (HELOCs) - Uninsured only (7) (8)	5	0.94%	0.65%	23.94%	11.85%	286	286	0.96%	0.64%	25.65%	12.97%	273	273
HELOCs (8)	6	0.41%	0.45%	32.74%	16.47%	180	168	0.47%	0.47%	34.12%	19.22%	191	182
Qualifying revolving retail (QRR)	7	1.22%	1.18%	84.44%	78.35%	522	502	1.27%	1.15%	84.36%	74.72%	503	486
Other retail (excl. SMEs)	8	5.42%	4.81%	83.56%	75.10%	330	329	5.43%	4.75%	83.70%	75.76%	325	324
Retail SMEs	9	1.21%	0.95%	96.61%	79.25%	43	35	1.24%	0.88%	96.34%	79.59%	42	36

ESTIMATED AND ACTUAL LOSS PARAMETERS UNDER AIRB APPROACH)19				
(\$ millions except as noted)		PD (1)	(2)	LGD (3	(4)	EAD (5)	5) (6)	
	LINE	Average		Average				
Risk Profile	#	estimated	Actual	estimated	Actual	Estimated	Actual	
Wholesale								
Corporate including specialized lending	1	0.85%	0.43%	34.25%	19.60%	213	180	
Corporate small and medium enterprises (SMEs)	2	1.25%	0.48%	38.51%	24.95%	123	91	
Sovereign	3	0.11%	0.00%	15.78%	0.00%	-		
Bank	4	0.33%	0.00%	14.46%	0.00%	-		
Retail								
Residential mortgages excluding home equity line of credits (HELOCs) - Uninsured only (7) (8)	5	0.96%	0.59%	25.26%	13.87%	260	260	
HELOCs (8)	6	0.52%	0.40%	34.73%	19.84%	170	161	
Qualifying revolving retail (QRR)	7	1.35%	1.10%	84.20%	74.69%	479	463	
Other retail (excl. SMEs)	8	5.33%	4.65%	83.96%	74.95%	317	316	
Retail SMEs	9	1.28%	0.74%	95.33%	77.81%	51	44	

⁽¹⁾ Wholesale PDs are based on a borrower weighted average. There have been no Bank or Sovereign defaults in the past 12 months.

(2) Retail PD is based on account weighted average.

(3) Wholesale LCBs are expressed as an exposure weighted average, The LGD figures include back-dated resolved facilities.

(4) Retail LGD is based on weighted average of LGD eligible accounts.

(5) Wholesale EAD represented predicted vs. realized comparison for defaults in the previous 12 months. Term products are not included. There have been no defaults in the Bank and Sovereign asset classes within the past 12 months.

(6) Retail EAD represents predicted vs. realized comparison for defaults in the previous 12 months.

(7) Mortgages insured by Canada Mortgage and Housing Corporation and private mortgage insurers are primarily included in Sovereign.

⁽⁷⁾ Mortgages insured by Canada Mortgage and Housing Corporation and private mortgage insurers are primarily included in Sovereign.
(8) Investor-owned mortgages are included in the Other Retail asset class.

GLOSSARY

Advanced Internal Ratings Based approach (AIRB): The AIRB approach is the most advanced of the range of options for determining the capital requirements for credit risk. This option allows banks to use their own internal model to measure credit risk capital requirements, subject to regulatory approval. OSFI has indicated that it expects the largest Canadian Banks to adopt the AIRB approach.

Basel Capital Floor: A capital floor is measured based on the Basel standardized approach for credit risk and internal model for market risk, as prescribed by OSFI in CAR.

A central counterparty (CCP) is a clearing house that acts as an intermediary between counterparties for contracts traded in one or more financial markets. CCPs aim to mitigate risk through the use of margin requirements (both initial and variation) and a default management process, including a default fund and other resources. A CCP becomes a counterparty to trades with market participants through novation, an open offer system, or another legally binding arrangement. For the purposes of the capital framework, a CCP is a financial institution.

Common Equity Tier 1 (CET1) is primarily comprised of common shares, surplus resulting from the issue of instruments included in Common Equity Tier 1, retained earnings, and accumulated other comprehensive income. Regulatory CET1 deductions include: goodwill, intangible assets, pension assets, certain deferred tax asset and other items.

Credit valuation adjustment (CVA) is the adjustment that a bank must add as capital charge to cover the risk of mark-to-market losses on the expected counterparty risk to OTC derivatives.

Drawn: The amount of funds invested or advanced to a customer.

Exposure at Default (EAD): EAD for on-balance sheet amounts represents outstandings, grossed up by provisions for credit losses on impaired loans and write-offs. EAD for undrawn and other off-balance sheet are estimated using Credit Conversion Factors (CCFs).

Loss Given Default (LGD) is a measure of our economic loss, such as the amount that may not be recovered in the event of a default, presented as a proportion of the exposure at default.

Probability of Default (PD) represents the likelihood that a borrower or counterparty will go into default over a one-year time horizon.

Qualifying central counterparty (QCCP) is an entity that is licensed to operate as a central counterparty (CCP) and is permitted by the appropriate regulator/overseer to operate as such with respect to the products offered.

Risk-Weighted Assets (RWA) measure a bank's exposures, weighted for their relative risk and calculated in accordance with OSFI's regulatory capital rules.

Securities Financing Transactions (SFT): transactions such as repurchase agreements, reverse repurchase agreements, security lending and borrowing, which are also referred to as Repo Style transactions, and wholesale margin lending transactions.

Standardized Approach (SA): This approach allows banks to measure capital requirements by multiplying exposures by defined percentages based on the exposures product type and external credit rating (if applicable).

Total Loss Absorbing Capital (TLAC) is the sum of Tier 1 capital, Tier 2 Capital, and Prescribed Shares and Liabilities ("Other TLAC Instruments") that are subject to conversion - in whole or in part - into common shares pursuant to subsection 39.2(2.3) of the Canada Deposit Insurance Corporation Act and meet all of the eligibility criteria set out in this guideline.

Undrawn Commitments cover all unutilized authorizations associated with the drawn loans, including those which are unconditionally cancellable.