

Supplemental Information Fourth Quarter 2019

Current period information is preliminary and based on company data available at the time of the earnings presentation. It speaks only as of the particular date or dates included in the accompanying pages. Bank of America Corporation (the Corporation) does not undertake an obligation to, and disclaims any duty to, update any of the information provided. Any forward-looking statements in this information are subject to the forward-looking language contained in the Corporation's reports filed with the SEC pursuant to the Securities Exchange Act of 1934, which are available at the SEC's website (www.sec.gov) or at the Corporation's website (www.bankofamerica.com). The Corporation's future financial performance is subject to risks and uncertainties as described in its SEC filings.

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Description of Financial Reporting Reclassification

In the Consolidated Statement of Income, amounts related to certain asset and liability management activities have been reclassified from Other income to Market making and similar activities, which was previously referred to as Trading account income. All prior periods presented reflect this change, which has no impact on the Corporation's Total noninterest income or Net income, and has no impact on business segment results. The amounts included in Market making and similar activities related to this change in presentation are as follows: \$930 million and \$1.1 billion for the years ended December 31, 2019 and 2018, and \$53 million, \$411 million, \$36 million, \$430 million and \$177 million in the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

Business Segment Operations

The Corporation reports the results of operations of its four business segments and *All Other* on a fully taxable-equivalent (FTE) basis. Additionally, the results for the total Corporation as presented on pages 10 - 12 are reported on an FTE basis.

Bank of America Corporation and Subsidiaries Consolidated Financial Highlights

In millions, except per share information)		Year Ended December 31 2019 2018			Fourth	Third Quarter		Second Ouarter		First		Fourth		
	_	2019		2018	'	Quarter 2019		2019		2019		Quarter 2019		Quarter 2018
ncome statement			_		_		_		_		_		_	
Net interest income	S	48,891	\$	48,162	\$	12,140	\$	12,187	\$	12,189	\$	12,375	\$	12,504
Noninterest income		42,353		42,858		10,209		10,620		10,895		10,629		10,173
Total revenue, net of interest expense		91,244		91,020		22,349		22,807		23,084		23,004		22,677
Provision for credit losses		3,590		3,282		941		779		857		1,013		905
Noninterest expense		54,900		53,154		13,239		15,169		13,268		13,224		13,074
Income tax expense		5,324		6,437		1,175		1,082		1,611		1,456		1,420
Net income		27,430		28,147		6,994		5,777		7,348		7,311		7,278
Preferred stock dividends		1,432		1,451		246		505		239		442		239
Net income applicable to common shareholders		25,998		26,696		6,748		5,272		7,109		6,869		7,039
Diluted earnings per common share		2.75		2.61		0.74		0.56		0.74		0.70		0.70
Average diluted common shares issued and outstanding		9,442.9		10,236.9		9,079.5		9,353.0		9,559.6		9,787.3		9,996.0
Dividends paid per common share	\$	0.66	\$	0.54	\$	0.18	\$	0.18	\$	0.15	\$	0.15	\$	0.15
Performance ratios Return on average assets		1.14%	.	1.21%		1.13%		0.95%		1.23%		1.26%		1.24
Return on average common shareholders' equity		10.62		11.04		11.00		8.48		11.62		11.42		11.57
Return on average shareholders' equity		10.24		10.63		10.40		8.48		11.00		11.14		10.95
Return on average tangible common shareholders' equity (1)		14.86		15.55		15.43		11.84		16.24		16.01		16.29
Return on average tangible shareholders' equity (1)		13.85		14.46		14.09		11.43		14.88		15.10		14.90
Efficiency ratio		60.17		58.40		59.24		66.51		57.48		57.48		57.65
•														
At period end														
Book value per share of common stock	\$	27.32	\$	25.13	\$	27.32	\$	26.96	\$	26.41	\$	25.57	\$	25.13
Tangible book value per share of common stock (1)		19.41		17.91		19.41		19.26		18.92		18.26		17.91
Market capitalization		311,209		238,251		311,209		264,842		270,935		263,992		238,251
Number of financial centers - U.S.		4,300		4,341		4,300		4,302		4,349		4,353		4,341
Number of branded ATMs - U.S.		16,788		16,255		16,788		16,626		16,561		16,378		16,255
		208,131		204,489		208,131		208,561		208,984		205,292		204,489

⁽¹⁾ Tangible equity ratios and tangible book value per share of common stock are non-GAAP financial measures. We believe the use of ratios that utilize tangible equity provides additional useful information because they present measures of those assets that can generate income. Tangible book value per share provides additional useful information about the level of tangible assets in relation to outstanding shares of common stock. (See Exhibit A: Non-GAAP Reconciliations - Reconciliations to GAAP Financial Measures on page 33.)

Bank of America Corporation and Subsidiaries Consolidated Statement of Income

(In millions, except per share information)							
	Year Decem	ber 31	Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Net interest income							
Interest income	\$ 71,236	\$ 66,769	\$ 16,926	\$ 17,916	\$ 18,224	\$ 18,170	\$ 17,836
Interest expense	22,345	18,607	4,786	5,729	6,035	5,795	5,332
Net interest income	48,891	48,162	12,140	12,187	12,189	12,375	12,504
Noninterest income							
Fees and commissions	33,015	33,078	8,520	8,467	8,190	7,838	8,345
Market making and similar activities	9,034	9,008	1,767	2,118	2,381	2,768	1,625
Other income (loss)	304	772	(78)	35	324	23	203
Total noninterest income	42,353	42,858	10,209	10,620	10,895	10,629	10,173
Total revenue, net of interest expense	91,244	91,020	22,349	22,807	23,084	23,004	22,677
Provision for credit losses	3,590	3,282	941	779	857	1,013	905
Noninterest expense							
Compensation and benefits	31,977	31,880	7,977	7,779	7,972	8,249	7,735
Occupancy and equipment	6,588	6,380	1,680	1,663	1,640	1,605	1,593
Information processing and communications	4,646	4,555	1,162	1,163	1,157	1,164	1,156
Product delivery and transaction related	2,762	2,857	695	696	709	662	708
Marketing	1,934	1,674	524	440	528	442	513
Professional fees	1,597	1,699	442	386	409	360	480
Other general operating	5,396	4,109	759	3,042	853	742	889
Total noninterest expense	54,900	53,154	13,239	15,169	13,268	13,224	13,074
Income before income taxes	32,754	34,584	8,169	6,859	8,959	8,767	8,698
Income tax expense	5,324	6,437	1,175	1,082	1,611	1,456	1,420
Net income	\$ 27,430	\$ 28,147	\$ 6,994	\$ 5,777	\$ 7,348	\$ 7,311	\$ 7,278
Preferred stock dividends	1,432	1,451	246	505	239	442	239
Net income applicable to common shareholders	\$ 25,998	\$ 26,696	\$ 6,748	\$ 5,272	\$ 7,109	\$ 6,869	\$ 7,039
Per common share information							
Earnings	\$ 2.77	\$ 2.64	\$ 0.75	\$ 0.57	\$ 0.75	\$ 0.71	\$ 0.71
Diluted earnings	2.75	2.61	0.74	0.56	0.74	0.70	0.70
Average common shares issued and outstanding	9,390.5	10,096.5	9,017.1	9,303.6	9,523.2	9,725.9	9,855.8
Average diluted common shares issued and outstanding	9,442.9	10,236.9	9,079.5	9,353.0	9,559.6	9,787.3	9,996.0

Consolidated Statement of Comprehensive Income

(Dollars in millions)							
	Year I Decem	Ended ber 31	Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Net income	\$ 27,430	\$ 28,147	\$ 6,994	\$ 5,777	\$ 7,348	\$ 7,311	\$ 7,278
Other comprehensive income (loss), net-of-tax:							
Net change in debt securities	5,875	(3,953)	(356)	1,538	2,384	2,309	2,213
Net change in debit valuation adjustments	(963)	749	(691)	229	(138)	(363)	566
Net change in derivatives	616	(53)	(35)	118	304	229	293
Employee benefit plan adjustments	136	(405)	53	26	29	28	(496)
Net change in foreign currency translation adjustments	(86)	(254)	13	(51)	(14)	(34)	49
Other comprehensive income (loss)	5,578	(3,916)	(1,016)	1,860	2,565	2,169	2,625
Comprehensive income	\$ 33,008	\$ 24,231	\$ 5,978	\$ 7,637	\$ 9,913	\$ 9,480	\$ 9,903

Net Interest Income and Noninterest Income

		Ended	Fourth	Third	Second	First	Fourth
	2019	2018	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2018
Net interest income	2019	2018		2017		2017	2010
nterest income							
Loans and leases	\$ 43,086	\$ 40,811	\$ 10,365	\$ 10,894	\$ 10,942	\$ 10,885	\$ 10,716
Debt securities	11,806	11,724	2,841	2,829	3,017	3,119	3,078
Federal funds sold and securities borrowed or purchased under agreements to resell	4,843	3,176	1,097	1,242	1,309	1,195	1,046
Trading account assets	5,196	4,811	1,234	1,319	1,321	1,322	1,305
Other interest income	6,305	6,247	1,389	1,632	1,635	1,649	1,691
Total interest income	71,236	66,769	16,926	17,916	18,224	18,170	17,836
nterest expense							
Deposits	7,188	4,495	1,548	1,880	1,965	1,795	1,562
Short-term borrowings	7,208	5,839	1,483	1,876	1,997	1,852	1,716
Trading account liabilities	1,249	1,358	282	303	319	345	318
Long-term debt	6,700	6,915	1,473	1,670	1,754	1,803	1,736
Total interest expense	22,345	18,607	4,786	5,729	6,035	5,795	5,332
Net interest income	\$ 48,891	\$ 48,162	\$ 12,140	\$ 12,187	\$ 12,189	\$ 12,375	\$ 12,504
Noninterest income							
Fees and commissions							
Card income							
Interchange fees (1)	\$ 3,834	\$ 3,866	\$ 1,007	\$ 963	\$ 968	\$ 896	\$ 1,016
Other card income	1,963	1,958	504	502	478	\$ 890 479	5 1,016
Total card income	5,797	5,824	1,511	1,465	1,446	1,375	1,522
Service charges	3,797	3,624	1,311	1,403	1,440	1,373	1,322
Deposit-related fees	6,588	6,667	1,680	1,690	1,638	1,580	1,659
Lending-related fees	1,086	1,100	277	285	265	259	272
Total service charges	7,674	7,767	1,957	1,975	1,903	1,839	1,931
Investment and brokerage services	7,074	7,707	1,557	1,973	1,903	1,039	1,931
Asset management fees	10,241	10,189	2,650	2,597	2,554	2,440	2,536
Brokerage fees	3,661	3,971	928	897	916	920	1,008
Total investment and brokerage services	13,902	14,160	3,578	3,494	3,470	3,360	3,544
Investment banking fees		,	- ,-	-, -	-,	-,	-,-
Underwriting income	2,965	2,722	767	740	792	666	562
Syndication fees	1,217	1,347	330	341	291	255	389
Financial advisory services	1,460	1,258	377	452	288	343	397
Total investment banking fees	5,642	5,327	1,474	1,533	1,371	1,264	1,348
Total fees and commissions	33,015	33,078	8,520	8,467	8,190	7,838	8,345
Market making and similar activities	9,034	9,008	1,767	2,118	2,381	2,768	1,625
Other income (loss)	304	772	(78)	35	324	23	203
Total noninterest income	\$ 42,353	\$ 42,858	\$ 10,209	\$ 10,620	\$ 10,895	\$ 10,629	\$ 10,173

Gross interchange fees were \$10.0 billion and \$9.5 billion and are presented net of \$6.2 billion and \$5.6 billion of expenses for rewards and partner payments for the year ended December 31, 2019 and 2018. Gross interchange fees were \$2.6 billion, \$2.6 billion, \$2.5 billion, \$2.5 billion and \$2.5 billion and are presented net of \$1.6 billion, \$1.6 billion, \$1.6 billion, \$1.4 billion and \$1.5 billion of expenses for rewards and partner payments for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

Bank of America Corporation and Subsidiaries Consolidated Balance Sheet

(Dollars in millions)		ember 31 2019	Se	eptember 30 2019	I	December 31 2018
Assets						
Cash and due from banks	\$	30,152	\$	26,939	\$	29,063
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks		131,408		130,155		148,341
Cash and cash equivalents		161,560		157,094		177,404
Time deposits placed and other short-term investments		7,107		7,557		7,494
Federal funds sold and securities borrowed or purchased under agreements to resell		274,597		271,595		261,131
Trading account assets		229,826		263,684		214,348
Derivative assets		40,485		45,123		43,725
Debt securities:		256.465		251212		220.101
Carried at fair value		256,467		254,342		238,101
Held-to-maturity, at cost		215,730		190,252		203,652
Total debt securities		472,197		444,594		441,753
Loans and leases		983,426		972,910		946,895
Allowance for loan and lease losses		(9,416)	_	(9,433)		(9,601)
Loans and leases, net of allowance		974,010		963,477		937,294
Premises and equipment, net		10,561		10,493		9,906
Goodwill		68,951		68,951		68,951
Loans held-for-sale		9,158		9,811		10,367
Customer and other receivables		55,937		52,560		65,814
Other assets		129,690		131,391		116,320
Total assets	\$	2,434,079	\$	2,426,330	\$	2,354,507
Liabilities Deposits in U.S. offices: Noninterest-bearing Interest-bearing	\$	403,305 940,731	\$	394,379 917,401	\$	412,587 891,636
		940,731		917,401		891,030
Deposits in non-U.S. offices:		12 710		12 120		14,060
Noninterest-bearing		13,719		13,138		
Interest-bearing	_	77,048		67,918		63,193
Total deposits		1,434,803		1,392,836		1,381,476
Federal funds purchased and securities loaned or sold under agreements to repurchase		165,109		202,067		186,988
Trading account liabilities		83,270		78,642		68,220
Derivative liabilities		38,229		38,025		37,891
Short-term borrowings		24,204		30,682		20,189
Accrued expenses and other liabilities		182,798		172,286		165,026
Long-term debt		240,856		243,405		229,392
Total liabilities		2,169,269		2,157,943		2,089,182
Shareholders' equity Preferred stock, \$0.01 par value; authorized – 100,000,000 shares; issued and outstanding – 3,887,440, 3,895,685 and 3,843,140 shares Common stock and additional paid-in capital, \$0.01 par value; authorized – 12,800,000,000 shares; issued and		23,401		23,606		22,326
outstanding - 8,836,148,954 , 9,079,264,535 and 9,669,286,370 shares		91,723		99,215		118,896
Retained earnings		156,319		151,183		136,314
Accumulated other comprehensive income (loss)		(6,633)		(5,617)		(12,211)
Total shareholders' equity		264,810		268,387		265,325
Total liabilities and shareholders' equity	\$	2,434,079	\$	2,426,330	\$	2,354,507
Assets of consolidated variable interest entities included in total assets above (isolated to settle the liabilities of Trading account assets	the variab \$	le interest ent		5,758	\$	5,798
	3	- ,-	Ф		Ф	
Loans and leases		38,837		39,387		43,850
Allowance for loan and lease losses		(807)		(835)		(912)
Loans and leases, net of allowance		38,030		38,552		42,938
All other assets		540	Φ.	555	Φ.	337
Total assets of consolidated variable interest entities	\$	44,381	\$	44,865	\$	49,073
Liabilities of consolidated variable interest entities included in total liabilities above Short-term borrowings	<u> </u>	2,175	\$	2,274	\$	742
Long-term debt	Ψ	8,718	Ψ	8,560	ψ	10,944
		22		26		30
		44		20		30
All other liabilities Total liabilities of consolidated variable interest entities	\$	10,915	\$	10,860	\$	11,716

Bank of America Corporation and Subsidiaries Capital Management

(Dollars in millions)				
	December 31 2019	September 30 2019	D	ecember 31 2018
Risk-based capital metrics (1):				
Standardized Approach				
Common equity tier 1 capital	\$ 166,760	\$ 169,203	\$	167,272
Tier 1 capital	188,492	192,029		189,038
Total capital	221,252	225,430		221,304
Risk-weighted assets	1,495,027	1,483,756		1,437,206
Common equity tier 1 capital ratio	11.2%	11.4%	,)	11.6%
Tier 1 capital ratio	12.6	12.9		13.2
Total capital ratio	14.8	15.2		15.4
Advanced Approaches				
Common equity tier 1 capital	\$ 166,760	\$ 169,203	\$	167,272
Tier 1 capital	188,492	192,029		189,038
Total capital	213,073	217,247		212,878
Risk-weighted assets	1,446,895	1,440,088		1,408,939
Common equity tier 1 capital ratio	11.5%	11.7%	,)	11.9%
Tier 1 capital ratio	13.0	13.3		13.4
Total capital ratio	14.7	15.1		15.1
Leverage-based metrics (1)				
Adjusted average assets	\$ 2,373,737	\$ 2,335,840	\$	2,257,545
Tier 1 leverage ratio	7.9%	8.2%	,)	8.4%
Supplementary leverage exposure	\$ 2,945,228	\$ 2,897,885	\$	2,791,316
Supplementary leverage ratio	6.4%	6.6%	, D	6.8%
Tangible equity ratio (2)	8.2	8.4		8.6
Tangible common equity ratio (2)	7.3	7.4		7.6

⁽¹⁾ Regulatory capital ratios at December 31, 2019 are preliminary. We report regulatory capital ratios under both the Standardized and Advanced approaches. The approach that yields the lower ratio is used to assess capital adequacy.

Tangible equity ratio equals period-end tangible shareholders' equity divided by period-end tangible assets. Tangible common equity ratio equals period-end tangible common shareholders' equity divided by period-end tangible assets. Tangible shareholders' equity and tangible assets are non-GAAP financial measures. We believe the use of ratios that utilize tangible equity provides additional useful information because they present measures of those assets that can generate income. (See Exhibit A: Non-GAAP Reconciliations - Reconciliation to GAAP Financial Measures on page 33.)

Quarterly Average Balances and Interest Rates - Fully Taxable-equivalent Basis

(Dollars in millions)	_						_		
	Four	th Quarter 20)19	Thi	rd Quarter 2019		Four	th Quarter 2018	
	Average Balance	Interest Income/ Expense (1)	Yield/ Rate	Average Balance	Interest Income/ Expense (1)	Yield/ Rate	Average Balance	Interest Income/ Expense (1)	Yield/ Rate
Earning assets									
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	\$ 123,000	\$ 369	1.19%	\$ 122,033	\$ 453	1.47%	\$ 129,814	\$ 494	1.51%
Time deposits placed and other short-term investments	9,574	40	1.67	9,863	47	1.87	8,691	59	2.72
Federal funds sold and securities borrowed or purchased under agreements to resell	293,819	1,09	7 1.48	269,129	1,242	1.83	263,626	1,046	1.57
Trading account assets	147,210	1,25	3.38	157,818	1,338	3.37	138,046	1,327	3.82
Debt securities	464,884	2,860	2.48	447,126	2,856	2.56	440,967	3,108	2.76
Loans and leases (2):									
Residential mortgage	231,849	1,95	3.37	224,084	1,937	3.46	209,646	1,857	3.54
Home equity	41,230	462	2 4.45	43,616	552	5.03	50,757	634	4.96
Credit card	94,951	2,54	10.63	94,370	2,581	10.85	95,766	2,533	10.49
Direct/Indirect and other consumer	90,924	786	3.43	90,813	824	3.59	91,458	823	3.57
Total consumer	458,954	5,74	4.98	452,883	5,894	5.18	447,627	5,847	5.20
U.S. commercial	326,945	3,000	3.65	324,436	3,279	4.01	308,557	3,203	4.12
Non-U.S. commercial	104,787	862	3.26	105,003	905	3.42	95,937	835	3.45
Commercial real estate	63,324	632	3.96	62,185	687	4.38	60,876	703	4.59
Commercial lease financing	19,976	168	_	20,226	182	3.58	21,724	182	3.36
Total commercial	515,032	4,668	_	511,850	5,053	3.92	487,094	4,923	4.01
Total loans and leases	973,986	10,413	_	964,733	10,947	4.51	934,721	10,770	4.58
Other earning assets	74,008	1,03	_	68,018	1,181	6.90	70,869	1,187	6.65
Total earning assets	2,086,481	17,07	3.25	2,038,720	18,064	3.52	1,986,734	17,991	3.60
Cash and due from banks	27,398			25,588			26,081		
Other assets, less allowance for loan and lease losses	336,126			347,915	_		321,771		_
Total assets	\$ 2,450,005			\$ 2,412,223			\$ 2,334,586		
Interest-bearing liabilities									
U.S. interest-bearing deposits:	\$ 50,287	\$	0.01%	\$ 51,277	\$ 1	0.01%	\$ 52,523	\$ 2	0.01%
Savings NOW and money market deposit accounts	754,517	914		741,602	1,172	0.63	701,697	957	0.01%
Consumer CDs and IRAs	53,183	150		49,811	1,172	1.08	38,899	48	0.34
Negotiable CDs, public funds and other deposits	67,603	278		63,936	354	2.19	62,719	362	2.29
Total U.S. interest-bearing deposits	925,590	1,349	_	906,626	1,663	0.73	855,838	1,369	0.63
Non-U.S. interest-bearing deposits:	723,370	1,01,	0.50	700,020	1,005	0.75	655,656	1,507	0.03
Banks located in non-U.S. countries	1,615		1.09	1,721	5	1.13	2,321	7	1.14
Governments and official institutions	180	_		188	_	0.02	275		0.04
Time, savings and other	74,129	195		70,234	212	1.20	64,599	186	1.14
Total non-U.S. interest-bearing deposits	75,924	199	_	72,143	217	1.19	67,195	193	1.14
Total interest-bearing deposits	1,001,514	1,548	0.61	978,769	1,880	0.76	923,033	1,562	0.67
Federal funds purchased, securities loaned or sold under			_						
agreements to repurchase, short-term borrowings and	202.022	1 40		200 122	1.076	2.66	262.407	1.716	2.60
other interest-bearing liabilities	282,022	1,483		280,123	1,876	2.66	262,497	1,716	2.60
Trading account liabilities	43,449	282		45,750	303	2.63	45,329	318	2.79
Long-term debt	206,026	1,473	_	202,620	1,670	3.28	201,056	1,736	3.44
Total interest-bearing liabilities	1,533,011	4,780	5 1.24	1,507,262	5,729	1.51	1,431,915	5,332	1.48
Noninterest-bearing sources:	400.00			206 202			421.010		
Noninterest-bearing deposits Other liabilities (3)	408,925			396,283			421,918		
	241,169			238,248			217,055		
Shareholders' equity	266,900			270,430			263,698		
Total liabilities and shareholders' equity	\$ 2,450,005		2.01%	\$ 2,412,223		2.010/	\$ 2,334,586		2 120/
Net interest spread Impact of noninterest-bearing sources			0.34			2.01% 0.40			2.12% 0.40
Net interest income/yield on earning assets (4)		\$ 12,285			\$ 12,335	2.41%		\$ 12,659	2.52%
rect interest income/yield on earning assets	-	3 12,28	2.35%		φ 12,333	2.4170		φ 12,039	2.32%

⁽¹⁾ Includes the impact of interest rate risk management contracts.

⁽²⁾ Nonperforming loans are included in the respective average loan balances. Income on these nonperforming loans is generally recognized on a cost recovery basis.
(3) Includes \$37.2 billion, \$38.1 billion and \$29.6 billion of structured notes and liabilities for the fourth and third quarters of 2019 and the fourth quarter of 2018, respectively.
(4) Net interest income includes FTE adjustments of \$145 million, \$148 million and \$155 million for the fourth and third quarters of 2019 and the fourth quarter of 2018, respectively.

Bank of America Corporation and Subsidiaries Debt Securities

(Dollars in millions)	December 31, 2019							
				Decembe	r 31,	2019		
		Amortized Cost	1	Gross Unrealized Gains		Gross Unrealized Losses		Fair Value
Available-for-sale debt securities								
Mortgage-backed securities:								
Agency	\$	121,698	\$	1,013	\$	(183)	\$	122,528
Agency-collateralized mortgage obligations		4,587		78		(24)		4,641
Commercial		14,797		249		(25)		15,021
Non-agency residential		948		138		(9)		1,077
Total mortgage-backed securities		142,030		1,478		(241)		143,267
U.S. Treasury and agency securities		67,700		1,023		(195)		68,528
Non-U.S. securities		11,987		6		(2)		11,991
Other taxable securities, substantially all asset-backed securities		3,874		67		_		3,941
Total taxable securities		225,591		2,574		(438)		227,727
Tax-exempt securities		17,716		202		(6)		17,912
Total available-for-sale debt securities		243,307		2,776		(444)		245,639
Other debt securities carried at fair value (1)		10,697		151		(20)		10,828
Total debt securities carried at fair value		254,004		2,927		(464)		256,467
Held-to-maturity debt securities, substantially all U.S. agency mortgage-backed securities		215,730		4,433		(342)		219,821
Total debt securities	\$	469,734	\$	7,360	\$	(806)	\$	476,288
				Septembe	r 30,	2019		
Available-for-sale debt securities								
Mortgage-backed securities:								
Agency	\$	133,973	\$	1,250	\$	(274)	\$	134,949
Agency-collateralized mortgage obligations		4,877		103		(18)		4,962
Commercial		14,301		380		(4)		14,677
Non-agency residential		1,725		227		(9)		1,943
Total mortgage-backed securities		154,876		1,960		(305)		156,531
U.S. Treasury and agency securities		55,746		1,364		(163)		56,947
Non-U.S. securities		11,074		7		(2)		11,079
Other taxable securities, substantially all asset-backed securities		3,806		77		<u> </u>		3,883
Total taxable securities		225,502		3,408		(470)		228,440
Tax-exempt securities		16,263		203		(34)		16,432
Total available-for-sale debt securities		241,765		3,611		(504)		244,872
Other debt securities carried at fair value (1)		9,284		205		(19)		9,470
Total debt securities carried at fair value		251,049		3,816		(523)		254,342
Held-to-maturity debt securities, substantially all U.S. agency mortgage-backed securities		190,252		4,358		(336)		194,274
Total debt securities	\$	441,301	\$	8,174	\$	(859)	\$	448,616

⁽¹⁾ Primarily includes non-U.S. securities used to satisfy certain international regulatory requirements.

Bank of America Corporation and Subsidiaries Supplemental Financial Data

(Dollars in millions)

		Year Ended December 31		Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
FTE basis data (1)							
Net interest income	\$ 49,486	\$ 48,772	\$ 12,285	\$ 12,335	\$ 12,338	\$ 12,528	\$ 12,659
Total revenue, net of interest expense	91,839	91,630	22,494	22,955	23,233	23,157	22,832
Net interest yield	2.43%	2.45%	2.35%	2.41%	2.44%	2.51%	2.52%
Efficiency ratio	59.78	58.01	58.85	66.08	57.11	57.10	57.26

⁽¹⁾ FTE basis is a non-GAAP financial measure. FTE basis is a performance measure used by management in operating the business that management believes provides investors with a more accurate picture of the interest margin for comparative purposes. The Corporation believes that this presentation allows for comparison of amounts from both taxable and tax-exempt sources and is consistent with industry practices. Net interest income includes FTE adjustments of \$595 million and \$610 million for the years ended December 31, 2019 and 2018, and \$145 million, \$148 million, \$149 million, \$153 million and \$155 million for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

Quarterly Results by Business Segment and All Other

(Dollars in millions)		Fourth Quarter 2019 Consumer Global									
	Total Corporation		onsumer Banking		GWIM		Global Banking		Global Markets		All Other
Net interest income	\$ 12,285	\$	6,905	\$	1,587	\$	2,559	\$	1,135	\$	99
Noninterest income											
Fees and commissions:											
Card income	1,511		1,330		29		133		20		(1)
Service charges	1,957		1,055		18		790		87		7
Investment and brokerage services	3,578		71		3,065		9		442		(9)
Investment banking fees	1,474	l			105		809		581		(21)
Total fees and commissions	8,520		2,456		3,217		1,741		1,130		(24)
Market making and similar activities	1,767		1		22		44		1,442		258
Other income (loss)	(78)	l	152		87		797		(281)		(833)
Total noninterest income (loss)	10,209		2,609		3,326		2,582		2,291		(599)
Total revenue, net of interest expense	22,494		9,514		4,913		5,141		3,426		(500)
Provision for credit losses	941	İ	934		19		58		9		(79)
Noninterest expense	13,239		4,466		3,523		2,321		2,614		315
Income (loss) before income taxes	8,314		4,114		1,371		2,762		803		(736)
Income tax expense (benefit)	1,320		1,008		336		745		229		(998)
Net income	\$ 6,994	\$	3,106	\$	1,035	\$	2,017	\$	574	\$	262
Average											
Total loans and leases	\$ 973,986	\$	311,012	\$	174,374	S	377,359	\$	73,044	\$	38,197
Total assets (1)	2,450,005	Ť	792,124	-	291,711	-	459,444	Ť	680,067	-	226,659
Total deposits	1,410,439		719,605		255,901		378,510		32,866		23,557
Ouarter end	1,110,107		717,005		255,701		270,310		22,000		20,557
Total loans and leases	\$ 983,426	\$	317,414	\$	176,600	\$	379,268	\$	72,993	\$	37,151
			017,111	Ψ	170,000	Ψ	077,200	Ψ		Ψ	
		"	804.019		299.756		464.032		641.806		224.466
Total assets (1) Total deposits	2,434,079 1,434,803		804,019 730,678		299,756 263,103		464,032 383,180		641,806 34,676		224,466 23,166
Total assets (1)	2,434,079				263,103	rter 2	383,180				
Total assets (1)	2,434,079 1,434,803 Total	C	730,678 onsumer		263,103 Third Qua		383,180 019 Global		34,676 Global		23,166 All
Total assets ⁽¹⁾ Total deposits	2,434,079 1,434,803 Total Corporation	C	730,678 onsumer Banking	_	263,103 Third Qua	I	383,180 2019 Global Banking		34,676 Global Markets	-	All Other
Total assets (1) Total deposits Net interest income	2,434,079 1,434,803 Total	C	730,678 onsumer	_	263,103 Third Qua		383,180 019 Global		34,676 Global	\$	All Other
Total assets (1) Total deposits Net interest income Noninterest income	2,434,079 1,434,803 Total Corporation	C	730,678 onsumer Banking	_	263,103 Third Qua	I	383,180 2019 Global Banking		34,676 Global Markets	\$	All Other
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions:	2,434,079 1,434,803 Total Corporation \$ 12,335	C	730,678 onsumer Banking 7,031	_	263,103 Third Qua GWIM 1,609	I	383,180 0019 Global Banking 2,617		Global Markets 1,016	\$	23,166 All Other 62
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income	2,434,079 1,434,803 Total Corporation \$ 12,335	C	730,678 onsumer 3anking 7,031	_	263,103 Third Qua GWIM 1,609	I	383,180 2019 Global Banking 2,617		34,676 Global Markets 1,016	\$	23,166 All Other 62
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975	C	730,678 onsumer 3anking 7,031 1,289 1,098	_	263,103 Third Qua GWIM 1,609 25 16	I	383,180 2019 Global Banking 2,617		Global Markets 1,016	\$	23,166 All Other 62 — 6
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494	C	730,678 onsumer 3anking 7,031	_	263,103 Third Qua GWIM 1,609 25 16 3,001	I	383,180 :019 Global Banking 2,617		Global Markets 1,016	\$	All Other 62 — 6 (9)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533	C	730,678 onsumer Banking 7,031 1,289 1,098 74 —	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89	I	383,180 3019 Global Banking 2,617 133 763 9 902		Global Markets 1,016 18 92 419 585	\$	All Other 62 — 6 (9) (43)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807		Global Markets 1,016 18 92 419 585 1,114	\$	All Other 62 — 6 (9) (43)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85		Global Markets 1,016 18 92 419 585 1,114 1,580	\$	All Other 62 — 6 (9) (43) (46) 425
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss)	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703		Global Markets 1,016 18 92 419 585 1,114 1,580 153	\$	All Other 62 — 6 (9) (43) (46) 425 (1,189)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss)	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847	\$	All Other 62 — 6 (9) (43) (46) 425 (1,189) (810)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904	I	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863	\$	All Other 62 — 66 (9) (43) (46) 425 (1,189) (810) (748)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863	\$	All Other 62 — 6 (9) (43) (46) 425 (1,189) (810) (748) (295)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 — 2,678	\$	All Other 62 — 66 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 — 2,678 1,185	\$	All Other 62 — 6 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468 (2,921)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit)	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230	C H	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082	S	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356	\$	383,180 0019 Global Banking 2,617 133 763 9 902 1,807 703 2,595 5,212 120 2,219 2,873 776		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 — 2,678 1,185 338		All Other 62 — 66 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468 (2,921) (1,322)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007	C	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416	_	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454	I	383,180 :019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873		Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 — 2,678 1,185	\$	All Other 62 66 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468 (2,921) (1,322)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit)	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230	C H	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334	<u>s</u> <u>s</u> <u>s</u>	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356	\$	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097	\$	34,676 Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847		All Other 62 66 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468 (2,921) (1,322)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income (loss) Net income (loss) Average Total loans and leases	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230	C H	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082	<u>s</u> <u>s</u> <u>s</u>	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356	\$	383,180 0019 Global Banking 2,617 133 763 9 902 1,807 703 2,595 5,212 120 2,219 2,873 776	\$	34,676 Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847		All Other 62 66 (9) (43) (46) 425 (1,189) (810) (748) (295) 2,468 (2,921) (1,322)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit) Net income (loss) Average	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230 \$ 5,777	C F S S S S S S S S S	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334	<u>s</u> <u>s</u> <u>s</u>	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356 1,098	<u>s</u>	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097	\$	34,676 Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847	<u> </u>	23,166 All Other 62 — 6 (9) (43) (46) 425 (1,189) (748) (295) 2,468 (2,921) (1,322) (1,599)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income (loss) Net income (loss) Average Total loans and leases	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230 \$ 5,777	C F S S S S S S S S S	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334	<u>s</u> <u>s</u> <u>s</u>	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356 1,098	<u>s</u>	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097	\$	34,676 Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847	<u> </u>	All Other 62 — 6 (9) (43) (46) 425 (1,189) (748) (295) 2,468 (2,921) (1,322) (1,599)
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit) Net income (loss) Average Total loans and leases Total assets (1)	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230 \$ 5,777 \$ 964,733 2,412,223	C F S S S S S S S S S	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334 303,833 781,670	<u>s</u> <u>s</u> <u>s</u>	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356 1,098	<u>s</u>	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097	\$	Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847 71,589 687,393	<u> </u>	23,166 All Other 62 — 6 (9) (43) (46) 425 (1,189) (748) (295) 2,468 (2,921) (1,322) (1,599) 41,788 212,527
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit) Net income (loss) Average Total loans and leases Total assets (1) Total deposits	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230 \$ 5,777 \$ 964,733 2,412,223	C F S S S S S S S S S	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334 303,833 781,670	\$	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356 1,098	<u>s</u>	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097	\$ 	Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 2,678 1,185 338 847 71,589 687,393	\$	23,166 All Other 62 — 6 (9) (43) (46) 425 (1,189) (748) (295) 2,468 (2,921) (1,322) (1,599) 41,788 212,527
Total assets (1) Total deposits Net interest income Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Market making and similar activities Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes Income tax expense (benefit) Net income (loss) Average Total loans and leases Total assets (1) Total deposits Quarter end	2,434,079 1,434,803 Total Corporation \$ 12,335 1,465 1,975 3,494 1,533 8,467 2,118 35 10,620 22,955 779 15,169 7,007 1,230 \$ 5,777 \$ 964,733 2,412,223 1,375,052	S	730,678 onsumer Banking 7,031 1,289 1,098 74 — 2,461 1 231 2,693 9,724 917 4,391 4,416 1,082 3,334 303,833 781,670 709,273	\$	263,103 Third Qua GWIM 1,609 25 16 3,001 89 3,131 27 137 3,295 4,904 37 3,413 1,454 356 1,098 170,414 289,447 254,449	<u>s</u>	383,180 3019 Global Banking 2,617 133 763 9 902 1,807 85 703 2,595 5,212 120 2,219 2,873 776 2,097 377,109 441,186 360,457	\$ 	34,676 Global Markets 1,016 18 92 419 585 1,114 1,580 153 2,847 3,863 — 2,678 1,185 338 847 71,589 687,393 30,155	\$	All Other 62 — 6 (9) (43) (46) 425 (1,189) (748) (295) 2,468 (2,921) (1,322) (1,599) 41,788 212,527 20,718

⁽¹⁾ Total assets include asset allocations to match liabilities (i.e., deposits).

Quarterly Results by Business Segment and All Other (continued)

(Dollars in millions)										
	_				Fourth Qua	rter 2	2018			
		Total	C	Consumer			Global		Global	All
	_ (orporation		Banking	 GWIM	E	Banking	1	Markets	 Other
Net interest income	\$	12,659	\$	7,111	\$ 1,612	\$	2,849	\$	935	\$ 152
Noninterest income										
Fees and commissions:										
Card income		1,522		1,339	35		129		21	(2)
Service charges		1,931		1,086	18		742		80	5
Investment and brokerage services		3,544		77	2,977		23		474	(7)
Investment banking fees		1,348			94		761		513	(20)
Total fees and commissions		8,345		2,502	3,124		1,655		1,088	(24)
Market making and similar activities		1,625		2	32		76		1,132	383
Other income (loss)		203	l	347	271		590		92	(1,097)
Total noninterest income (loss)		10,173		2,851	3,427		2,321		2,312	(738)
Total revenue, net of interest expense		22,832		9,962	5,039		5,170		3,247	(586)
Provision for credit losses		905		915	23		85		6	(124)
Noninterest expense		13,074		4,435	3,563		2,128		2,552	396
Income (loss) before income taxes		8,853		4,612	1,453		2,957		689	(858)
Income tax expense (benefit)		1,575	l	1,174	370		769		179	(917)
Net income	\$	7,278	\$	3,438	\$ 1,083	\$	2,188	\$	510	\$ 59
Average										
Total loans and leases	\$	934,721	\$	289,862	\$ 163,516	\$	357,410	\$	70,609	\$ 53,324
Total assets (1)		2,334,586		759,027	283,264		440,522		655,069	196,704
Total deposits		1,344,951		686,826	247,427		359,642		31,077	19,979
Quarter end										
Total loans and leases	\$	946,895	\$	294,335	\$ 164,854	\$	365,717	\$	73,928	\$ 48,061
Total assets (1)		2,354,507		768,881	305,907		442,330		641,923	195,466
Total deposits		1,381,476		696,146	268,700		360,248		37,841	18,541

⁽¹⁾ Total assets include asset allocations to match liabilities (i.e., deposits).

Annual Results by Business Segment and All Other

(Dollars in millions)		Year Ended December 31, 2019								
	Total Corporation		Consumer Banking	GWIM		Global Banking		Global Markets		All Other
Net interest income	\$ 49,486	\$	28,158	\$ 6,504	\$	10,675	\$	3,915	\$	234
Noninterest income										
Fees and commissions:										
Card income	5,797		5,084	101		532		80		_
Service charges	7,674		4,219	68		3,015		348		24
Investment and brokerage services	13,902		293	11,870		34		1,738		(33)
Investment banking fees	5,642		_	401		3,137		2,288		(184)
Total fees and commissions	33,015	_	9,596	12,440		6,718		4,454		(193)
Market making and similar activities	9,034		6	113		235		7,065		1,615
Other income (loss)	304		827	480		2,855		180		(4,038)
Total noninterest income (loss)	42,353		10,429	13,033		9,808		11,699		(2,616)
Total revenue, net of interest expense	91,839	I —	38,587	19,537		20,483		15,614		(2,382)
Provision for credit losses	3,590		3,772	82		414		(9)		(669)
Noninterest expense	54,900		17,618	13,823		9,017		10,722		3,720
Income (loss) before income taxes	33,349		17,197	5,632		11,052		4,901		(5,433)
Income tax expense (benefit)	5,919		4,213	1,380		2,984		1,397		(4,055)
Net income (loss)	\$ 27,430	\$	12,984	\$ 4,252	\$	8,068	\$	3,504	\$	(1,378)
Average										
Total loans and leases	\$ 958,416	\$	300,935	\$ 168,910	\$	374,304	\$	71,334	\$	42,933
Total assets (1)	2,405,830		780,676	292,003		443,083		679,297		210,771
Total deposits	1,380,326		708,276	256,505		362,731		31,380		21,434
Period end										
Total loans and leases	\$ 983,426	\$	317,414	\$ 176,600	\$	379,268	\$	72,993	\$	37,151
Total assets (1)	2,434,079		804,019	299,756		464,032		641,806		224,466
Total deposits	1,434,803		730,678	263,103		383,180		34,676		23,166
				Year Ended Dec	emb	er 31, 2018				
	Total Corporation		Consumer Banking	GWIM		Global Banking		Global Markets		All Other
Net interest income	\$ 48,772	\$	27,025	\$ 6,265	\$	10,993	\$	3,857	\$	632
Noninterest income		·	.,.	, ,,,,,,		.,		-,		
Fees and commissions:										
Card income	5,824		5,102	127		511		84		_
Service charges	7,767		4,300	73		3,027		345		22
Investment and brokerage services	14,160		319	11,959		94		1,780		8
Investment banking fees	5,327		(1)	337		2,891		2,296		(196)
Total fees and commissions	33,078	_	9,720	12,496	_	6,523	_	4,505	_	(166)
Market making and similar activities	9,008		8	112		260		7,260		1,368
Other income (loss)	772		865	580		2,225		561		(3,459)
Total noninterest income (loss)	42,858		10,593	13,188		9,008		12,326		(2,257)
Total revenue, net of interest expense	91,630	_	37,618	19,453		20,001	_	16,183		(1,625)
Provision for credit losses	3,282		3,664	86		8				(476)
Noninterest expense	53,154		17,672	14,015		8,745		10,835		1,887
Income (loss) before income taxes	35,194	I —	16,282	5,352		11,248	_	5,348		(3,036)
Income tax expense (benefit)	7,047		4,150	1,364		2,923		1,390		(2,780)
Net income (loss)	\$ 28,147	\$	12,132	\$ 3,988	\$	8,325	\$	3,958	\$	(256)
Average										
Total loans and leases	\$ 933,049	\$	283,807	\$ 161,342	\$	354,236	\$	72,651	\$	61,013
	¥ ,55,017	1	756,373	277,220		425,675	*	666,000	*	199,978
	2 325 246									
Total assets (1)	2,325,246 1,314,941									
Total assets ⁽¹⁾ Total deposits	2,325,246 1,314,941		684,173	241,256		336,337		31,209		21,966
Total assets ⁽¹⁾ Total deposits Period end	1,314,941	S	684,173	241,256	s	336,337	S	31,209	\$	21,966
Total assets ⁽¹⁾ Total deposits Period end Total loans and leases	1,314,941 \$ 946,895	\$	684,173 294,335	241,256 \$ 164,854	\$	336,337 365,717	\$	31,209 73,928	\$	21,966 48,061
Total assets ⁽¹⁾ Total deposits Period end	1,314,941	\$	684,173	241,256	\$	336,337	\$	31,209	\$	21,966

⁽¹⁾ Total assets include asset allocations to match liabilities (i.e., deposits).

Bank of America Corporation and Subsidiaries Consumer Banking Segment Results

(Dollars in millions)							
	Year I Decem		Fourth	Third	Second	First	Fourth
	2019	2018	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2018
Net interest income	\$ 28,158	\$ 27,025	\$ 6,905	\$ 7,031	\$ 7,116	\$ 7,106	\$ 7,111
Noninterest income:							
Card income	5,084	5,102	1,330	1,289	1,268	1,197	1,339
Service charges	4,219	4,300	1,055	1,098	1,046	1,020	1,086
All other income	1,126	1,191	224	306	287	309	426
Total noninterest income	10,429	10,593	2,609	2,693	2,601	2,526	2,851
Total revenue, net of interest expense	38,587	37,618	9,514	9,724	9,717	9,632	9,962
Provision for credit losses	3,772	3,664	934	917	947	974	915
Noninterest expense	17,618	17,672	4,466	4,391	4,407	4,354	4,435
Income before income taxes	17,197	16,282	4,114	4,416	4,363	4,304	4,612
Income tax expense	4,213	4,150	1,008	1,082	1,069	1,054	1,174
Net income	\$ 12,984	\$ 12,132	\$ 3,106	\$ 3,334	\$ 3,294	\$ 3,250	\$ 3,438
Net interest yield	3.81%	3.77%	3.65%	3.77%	3.87%	3.96%	3.92%
Return on average allocated capital (1)	35	33	33	36	36	36	37
Efficiency ratio	45.66	46.98	46.94	45.15	45.36	45.20	44.53
Balance Sheet							
Average							
Total loans and leases	\$ 300,935	\$ 283,807	\$ 311,012	\$ 303,833	\$ 296,388	\$ 292,269	\$ 289,862
Total earning assets (2)	738,770	717,189	750,029	739,765	737,678	727,350	719,329
Total assets (2)	780,676	756,373	792,124	781,670	779,384	769,262	759,027
Total deposits	708,276	684,173	719,605	709,273	707,028	696,939	686,826
Allocated capital (1)	37,000	37,000	37,000	37,000	37,000	37,000	37,000
Period end							
Total loans and leases	\$ 317,414	\$ 294,335	\$ 317,414	\$ 307,925	\$ 300,412	\$ 292,454	\$ 294,335
Total earning assets (2)	760,137	728,813	760,137	747,251	744,219	752,620	728,813
Total assets (2)	804,019	768,881	804,019	788,743	786,963	794,510	768,881
Total deposits	730,678	696,146	730,678	715,715	714,223	721,727	696,146

⁽¹⁾ Return on average allocated capital is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital. Other companies may define or calculate these measures differently.

(2) Total earning assets and total assets include asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity.

Bank of America Corporation and Subsidiaries Consumer Banking Key Indicators

	Year I Decem		Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Average deposit balances							
Checking	\$ 375,032	\$ 350,929	\$ 384,256	\$ 376,821	\$ 373,912	\$ 364,908	\$ 356,609
Savings	50,503	52,592	49,048	50,013	51,688	51,294	50,968
MMS	241,395	241,807	242,147	239,941	241,050	242,460	241,576
CDs and IRAs	38,581	35,890	41,378	39,727	37,577	35,566	34,831
Other	2,765	2,955	2,776	2,771	2,801	2,711	2,842
Total average deposit balances	\$ 708,276	\$ 684,173	\$ 719,605	\$ 709,273	\$ 707,028	\$ 696,939	\$ 686,826
Deposit spreads (excludes noninterest costs)							
Checking	2.30%	2.16%	2.26%	2.31%	2.34%	2.31%	2.23%
Savings	2.52	2.43	2.47	2.53	2.55	2.53	2.49
MMS	2.41	2.07	2.25	2.46	2.50	2.45	2.29
CDs and IRAs	2.00	2.09	1.57	1.88	2.21	2.42	2.40
Other	2.54	2.24	2.15	2.48	2.74	2.78	2.61
Total deposit spreads	2.34	2.14	2.23	2.35	2.40	2.38	2.28
Consumer investment assets	\$ 240,132	\$ 185,881	\$ 240,132	\$ 223,199	\$ 219,732	\$ 210,930	\$ 185,881
	20.277	26.264	20.266	27.001	27.202	27.024	26261
Active digital banking users (units in thousands) (1)	38,266	36,264	38,266	37,981	37,292	37,034	36,264
Active mobile banking users (units in thousands)	29,174	26,433	29,174	28,703	27,818	27,127	26,433
Financial centers	4,300	4,341	4,300	4,302	4,349	4,353	4,341
ATMs	16,788	16,255	16,788	16,626	16,561	16,378	16,255
Total credit card (2)							
Loans	0 04 400	n 04.612	0 04051	n 04.270	n 02.627	Ф 05 000	n 05.766
Average credit card outstandings	\$ 94,488	\$ 94,612	\$ 94,951	\$ 94,370 94,946	\$ 93,627 93,989	\$ 95,008	\$ 95,766
Ending credit card outstandings Credit quality	97,608	98,338	97,608	94,940	93,989	93,009	98,338
	\$ 2,948	\$ 2,837	\$ 724	\$ 717	\$ 762	\$ 745	\$ 699
Net charge-offs	\$ 2,948 3.12%	\$ 2,837 3.00%	\$ 724 3.03%			\$ 745 3.18%	\$ 699 2.90%
20 4-15	\$ 2,035						
30+ delinquency	2.09%	\$ 1,989	\$ 2,035	\$ 1,937	\$ 1,838	\$ 1,932	\$ 1,989
90+ delinquency	\$ 1,042	\$ 994	2.09% \$ 1,042	\$ 960	1.96% \$ 941	2.08% \$ 1,005	\$ 994
90+ definiquency	1.07%	1.01%	1.07%			1.08%	1.01%
Other total credit card indicators (2)	10 700/	10.120/	10 (20)	10.050/	10.760/	10.000/	10.400
Gross interest yield	10.76%	10.12%	10.63%			10.80%	10.49%
Risk-adjusted margin	8.28	8.25	8.68	8.45	7.93	8.03	8.73
New accounts (in thousands) Purchase volumes	4,320 \$ 277,852	4,544 \$ 264,706	1,046 \$ 73,717	1,172 \$ 71,096	1,068 \$ 70,288	1,034 \$ 62,751	1,048 \$ 70,048
Debit card data							
Purchase volumes	\$ 360,672	\$ 338,810	\$ 93,468	\$ 90,942	\$ 91,232	\$ 85,030	\$ 88,094
Loan production (3)							
Total ⁽⁴⁾ :							
First mortgage	\$ 72,467	\$ 41,195	\$ 22,114	\$ 20,664	\$ 18,229	\$ 11,460	\$ 9,417
Home equity	11,131	14,869	2,999	2,539	2,768	2,825	3,640
Consumer Banking:	11,131	17,007	2,777	2,339	2,700	2,023	5,040
First mortgage	\$ 49,179	\$ 27,280	\$ 14,645	\$ 13,622	\$ 12,757	\$ 8,155	\$ 6,227
Home equity	9,755	13,251	2,646	2,219	2,405	2,485	3,209

Active digital banking users represents mobile and/or online users.

(2) In addition to the credit card portfolio in *Consumer Banking*, the remaining credit card portfolio is in *GWIM*.

(3) Loan production amounts represent the unpaid principal balance of loans and, in the case of home equity, the principal amount of the total line of credit.

⁽⁴⁾ In addition to loan production in *Consumer Banking*, there is also first mortgage and home equity loan production in *GWIM*.

Bank of America Corporation and Subsidiaries Consumer Banking Quarterly Results

(Dollars in millions)								
		Fourth	Quarter 2019			Third (Quarter 2019	
	l Consumer Banking	I	Deposits	Consumer Lending	l Consumer Banking	1	Deposits	onsumer Lending
Net interest income	\$ 6,905	\$	4,038	\$ 2,867	\$ 7,031	\$	4,197	\$ 2,834
Noninterest income:		l						
Card income	1,330		(9)	1,339	1,289		(11)	1,300
Service charges	1,055	l	1,053	2	1,098		1,097	1
All other income	 224		160	 64	 306		232	74
Total noninterest income	 2,609		1,204	1,405	2,693		1,318	1,375
Total revenue, net of interest expense	9,514		5,242	4,272	9,724		5,515	4,209
Provision for credit losses	934		95	839	917		84	833
Noninterest expense	4,466		2,721	1,745	4,391		2,655	1,736
Income before income taxes	 4,114		2,426	1,688	4,416		2,776	1,640
Income tax expense	 1,008		594	 414	 1,082		680	402
Net income	\$ 3,106	\$	1,832	\$ 1,274	\$ 3,334	\$	2,096	\$ 1,238
Net interest yield	3.65%		2.24%	3.72%	3.77%		2.37%	3.76%
Return on average allocated capital (1)	33		61	20	36		69	20
Efficiency ratio	46.94		51.92	40.84	45.15		48.13	41.26
Balance Sheet								
Average								
Total loans and leases	\$ 311,012	\$	5,438	\$ 305,574	\$ 303,833	\$	5,405	\$ 298,428
Total earning assets (2)	750,029		713,942	306,171	739,765		703,889	299,041
Total assets (2)	792,124		746,227	315,981	781,670		735,844	308,991
Total deposits	719,605		713,861	5,744	709,273		703,562	5,711
Allocated capital (1)	37,000		12,000	25,000	37,000		12,000	25,000
Period end								
Total loans and leases	\$ 317,414	\$	5,472	\$ 311,942	\$ 307,925	\$	5,447	\$ 302,478
Total earning assets (2)	760,137		724,536	312,684	747,251		711,024	303,195
Total assets (2)	804,019		758,385	322,717	788,743		742,583	313,128
Total deposits	730,678	l	725,598	5,080	715,715		710,149	5,566

		Fourth Quarter 2018		
	Consumer Banking	Deposits		Consumer Lending
Net interest income	\$ 7,111	\$ 4,281	\$	2,830
Noninterest income:				
Card income	1,339	(8)		1,347
Service charges	1,086	1,086		_
All other income	 426	251		175
Total noninterest income	 2,851	1,329		1,522
Total revenue, net of interest expense	9,962	5,610		4,352
Provision for credit losses	915	60		855
Noninterest expense	 4,435	2,666		1,769
Income before income taxes	4,612	2,884		1,728
Income tax expense	 1,174	735		439
Net income	\$ 3,438	\$ 2,149	\$	1,289
Net interest yield	3.92%	2.489	6	3.94%
Return on average allocated capital (1)	37	71		20
Efficiency ratio	44.53	47.53		40.65
Balance Sheet				
Average				
Total loans and leases	\$ 289,862	\$ 5,302	\$	284,560
Total earning assets (2)	719,329	684,600		284,920
Total assets (2)	759,027	713,679		295,539
Total deposits	686,826	681,478		5,348
Allocated capital (1)	37,000	12,000		25,000
Period end				
Total loans and leases	\$ 294,335	\$ 5,470	\$	288,865
Total earning assets (2)	728,813	694,672		289,249
Total assets (2)	768,881	724,019		299,970
Total deposits	696,146	691,666		4,480

⁽¹⁾ Return on average allocated capital is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital.

Other companies may define or calculate these measures differently.

(2) For presentation purposes, in segments or businesses where the total of liabilities and equity exceeds assets, the Corporation allocates assets from *All Other* to match the segments' and businesses' liabilities and allocated shareholders' equity. As a result, total earning assets and total assets of the businesses may not equal total Consumer Banking.

Bank of America Corporation and Subsidiaries Consumer Banking Annual Results

(Dollars in millions) Year Ended December 31, 2019 Year Ended December 31, 2018 **Total Consumer** Consumer Lending Total Consumer Consumer Banking Banking Deposits Deposits Lending Net interest income 28,158 16,904 11,254 27,025 15,939 11,086 \$ Noninterest income: 5,084 5,117 5,102 5,135 Card income (33) (33) 4.219 4,217 2 4,300 4.298 2 Service charges All other income 1,126 832 294 1,191 762 429 10,429 5,016 5,413 10,593 5,027 5,566 Total noninterest income Total revenue, net of interest expense 38,587 21,920 16,667 37,618 20,966 16,652 Provision for credit losses 3,772 269 3,503 195 3,469 3,664 Noninterest expense 17,618 10,682 6,936 17,672 10,657 7,015 Income before income taxes 17,197 10,969 6,228 16,282 10,114 6,168 Income tax expense 4,213 2,687 1,526 4,150 2,578 1,572 Net income 12,984 8,282 4,702 3.81% 2.40% 3.80% 2.34% 3.97% 3.77% Net interest yield Return on average allocated capital (1) 18 48.73 42.12 Efficiency ratio 45.66 41.61 46.98 50.83 **Balance Sheet** Average 278,574 Total loans and leases \$ 300,935 5,373 \$ 295,562 \$ 283,807 \$ 5,233 \$ Total earning assets (2) 738,770 703,444 296,051 717,189 682,592 279,217 Total assets (2) 780,676 735,232 756,373 710,925 290,068 306,169 Total deposits 708,276 702,908 5,368 684,173 678,640 5,533 Allocated capital (1) 37,000 12,000 25,000 37,000 12,000 25,000

317,414

760,137

804,019

730,678

5,472

724,536

758,385

725,598

311,942

312,684

322,717

5,080

294,335

728,813

768,881

696,146

5,470

694,672

724,019

691,666

288,865

289.249

299,970

4,480

For footnotes, see page 15.

Total loans and leases

Total assets (2)

Total deposits

Total earning assets (2)

Global Wealth & Investment Management Segment Results

(Dollars in millions)							
	Decem	Ended iber 31	Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Net interest income	\$ 6,504	\$ 6,265	\$ 1,587	\$ 1,609	\$ 1,624	\$ 1,684	\$ 1,612
Noninterest income:							
Investment and brokerage services	11,870	11,959	3,065	3,001	2,962	2,842	2,977
All other income	1,163	1,229	261	294	314	294	450
Total noninterest income	13,033	13,188	3,326	3,295	3,276	3,136	3,427
Total revenue, net of interest expense	19,537	19,453	4,913	4,904	4,900	4,820	5,039
Provision for credit losses	82	86	19	37	21	5	23
Noninterest expense	13,823	14,015	3,523	3,413	3,459	3,428	3,563
Income before income taxes	5,632	5,352	1,371	1,454	1,420	1,387	1,453
Income tax expense	1,380	1,364	336	356	348	340	370
Net income	\$ 4,252	\$ 3,988	\$ 1,035	\$ 1,098	\$ 1,072	\$ 1,047	\$ 1,083
Net interest yield	2.33%	2.41%	2.25%	2.30%	2.35%	2.40%	2.41%
Return on average allocated capital (1)	29	28	28	30	30	29	30
Efficiency ratio	70.75	72.04	71.72	69.60	70.58	71.13	70.72
Balance Sheet							
Average							
Total loans and leases	\$ 168,910	\$ 161,342	\$ 174,374	\$ 170,414	\$ 166,324	\$ 164,403	\$ 163,516
Total earning assets (2)	279,684	259,808	279,371	277,349	277,071	285,033	265,039
Total assets (2)	292,003	277,220	291,711	289,447	289,819	297,123	283,264
Total deposits	256,505	241,256	255,901	254,449	253,925	261,831	247,427
Allocated capital (1)	14,500	14,500	14,500	14,500	14,500	14,500	14,500
Period end							
Total loans and leases	\$ 176,600	\$ 164,854	\$ 176,600	\$ 172,677	\$ 168,993	\$ 164,483	\$ 164,854
Total earning assets (2)	287,212	287,199	287,212	275,884	275,457	284,470	287,199
Total assets (2)	299,756	305,907	299,756	288,317	287,878	296,785	305,907
Total deposits	263,103	268,700	263,103	252,466	251,818	261,168	268,700

Return on average allocated capital is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital.

Other companies may define or calculate these measures differently.

Total earning assets and total assets include asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity.

Global Wealth & Investment Management Key Indicators

(Dollars in millions, except as noted)							
		Ended lber 31	Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Revenue by Business							
Merrill Lynch Global Wealth Management	\$ 16,111	\$ 15,998	\$ 4,046	\$ 4,053	\$ 4,047	\$ 3,965	\$ 4,164
Bank of America Private Bank	3,426	3,455	867	851	853	855	875
Total revenue, net of interest expense	\$ 19,537	\$ 19,453	\$ 4,913	\$ 4,904	\$ 4,900	\$ 4,820	\$ 5,039
Client Balances by Business, at period end							
Merrill Lynch Global Wealth Management	\$ 2,558,102	\$ 2,193,562	\$ 2,558,102	\$ 2,443,614	\$ 2,440,710	\$ 2,384,492	\$ 2,193,562
Bank of America Private Bank	489,690	427,294	489,690	462,347	458,081	452,477	427,294
Total client balances	\$ 3,047,792	\$ 2,620,856	\$ 3,047,792	\$ 2,905,961	\$ 2,898,791	\$ 2,836,969	\$ 2,620,856
Client Balances by Type, at period end							
Assets under management (1, 2)	\$ 1,275,555	\$ 1,072,234	\$ 1,275,555	\$ 1,212,120	\$ 1,203,783	\$ 1,169,713	\$ 1,072,234
Brokerage and other assets	1,372,733	1,162,997	1,372,733	1,305,926	1,314,457	1,282,091	1,162,997
Deposits	263,103	268,700	263,103	252,466	251,818	261,168	268,700
Loans and leases (3)	179,296	167,938	179,296	175,579	172,265	167,455	167,938
Less: Managed deposits in assets under management (1)	(42,895)	(51,013)	(42,895)	(40,130)	(43,532)	(43,458)	(51,013
Total client balances	\$ 3,047,792	\$ 2,620,856	\$ 3,047,792	\$ 2,905,961	\$ 2,898,791	\$ 2,836,969	\$ 2,620,856
Assets Under Management Rollforward (1)							
Assets under management, beginning balance	\$ 1,072,234	\$ 1,121,383	\$ 1,212,120	\$ 1,203,783	\$ 1,169,713	\$ 1,072,234	\$ 1,182,504
Net client flows	24,865	44,607	8,144	5,529	5,274	5,918	4,527
Market valuation/other	178,456	(93,756)	55,291	2,808	28,796	91,561	(114,797
Total assets under management, ending balance	\$ 1,275,555	\$ 1,072,234	\$ 1,275,555	\$ 1,212,120	\$ 1,203,783	\$ 1,169,713	\$ 1,072,234
Associates, at period end							
Number of financial advisors	17,458	17,518	17,458	17,657	17,508	17,535	17,518
Total wealth advisors, including financial advisors	19,440	19,459	19,440	19,672	19,512	19,524	19,459
Total primary sales professionals, including financial advisors and wealth advisors	20,586	20,586	20,586	20,775	20,611	20,657	20,586
Merrill Lynch Global Wealth Management Metric							
Financial advisor productivity (in thousands)	\$ 1,082	\$ 1,034	\$ 1,108	\$ 1,096	\$ 1,082	\$ 1,039	\$ 1,046
Bank of America Private Bank Metric, at period end							
Primary sales professionals	1,766	1,748	1,766	1,811	1,808	1,795	1,74

Assets under management include deposits that are managed within investment accounts.
 Defined as managed assets under advisory and/or discretion of GWIM.
 Includes margin receivables which are classified in customer and other receivables on the Consolidated Balance Sheet.

Bank of America Corporation and Subsidiaries Global Banking Segment Results

(Dollars in millions)	Year F Decem		Fourth	Third	Second	First	Fourth
	2019	2018	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2018
Net interest income	\$ 10,675	\$ 10,993	\$ 2,559	\$ 2,617	\$ 2,709	\$ 2,790	\$ 2,849
Noninterest income:							
Service charges	3,015	3,027	790	763	749	713	742
Investment banking fees	3,137	2,891	809	902	717	709	761
All other income	3,656	3,090	983	930	800	943	818
Total noninterest income	9,808	9,008	2,582	2,595	2,266	2,365	2,321
Total revenue, net of interest expense	20,483	20,001	5,141	5,212	4,975	5,155	5,170
Provision for credit losses	414	8	58	120	125	111	85
Noninterest expense	9,017	8,745	2,321	2,219	2,211	2,266	2,128
Income before income taxes	11,052	11,248	2,762	2,873	2,639	2,778	2,957
Income tax expense	2,984	2,923	745	776	713	750	769
Net income	\$ 8,068	\$ 8,325	\$ 2,017	\$ 2,097	\$ 1,926	\$ 2,028	\$ 2,188
Net interest yield	2.75%	3.01%	2.51%	2.69%	2.80%	2.98%	2.99%
Return on average allocated capital (1)	20	20	20	20	19	20	21
Efficiency ratio	44.02	43.72	45.11	42.58	44.45	43.96	41.15
Balance Sheet							
Average							
Total loans and leases	\$ 374,304	\$ 354,236	\$ 377,359	\$ 377,109	\$ 372,531	\$ 370,108	\$ 357,410
Total earning assets (2)	388,152	364,748	404,299	385,999	387,819	380,308	378,163
Total assets (2)	443,083	425,675	459,444	441,186	442,591	434,920	440,522
Total deposits	362,731	336,337	378,510	360,457	362,619	349,037	359,642
Allocated capital (1)	41,000	41,000	41,000	41,000	41,000	41,000	41,000
Period end							
Total loans and leases	\$ 379,268	\$ 365,717	\$ 379,268	\$ 377,658	\$ 376,948	\$ 373,017	\$ 365,717
Total earning assets (2)	407,180	377,812	407,180	397,589	384,884	381,490	377,812
Total assets (2)	464,032	442,330	464,032	452,642	440,352	436,066	442,330
Total deposits	383,180	360,248	383,180	371,887	358,902	343,897	360,248

⁽¹⁾ Return on average allocated capital is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital. Other companies may define or calculate these measures differently.

(2) Total earning assets and total assets include asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity.

Bank of America Corporation and Subsidiaries Global Banking Key Indicators

(Dollars in millions)		Year En Decembe			Fourth Quarter	Third Quarter		Second Quarter				Fourth Quarter
	201	,	2018	1_	2019		2019		2019		2019	2018
Investment Banking fees (1)												
Advisory (2)	\$ 1,3	336	\$ 1,153	\$	352	\$	427	\$	254	\$	303	\$ 371
Debt issuance	1,,	348	1,326		341		356		324		327	309
Equity issuance		153	412	_	116		119		139		79	81
Total Investment Banking fees (3)	\$ 3,1	37	\$ 2,891	= =	809	\$	902	\$	717	\$	709	\$ 761
Business Lending												
Corporate	\$ 3,9	94 5	\$ 3,904	\$	1,002	\$	1,024	\$	923	\$	1,045	\$ 964
Commercial	4,1	32	4,330		1,032		1,020		1,046		1,034	1,142
Business Banking	-	363	431		88		91		90		94	107
Total Business Lending revenue	\$ 8,4	189	\$ 8,665	\$	2,122	\$	2,135	\$	2,059	\$	2,173	\$ 2,213
Global Transaction Services												
Corporate	\$ 3,9	94 5	\$ 3,832	\$	1,015	\$	967	\$	1,005	\$	1,007	\$ 1,004
Commercial	3,4	199	3,346		857		862		889		891	872
Business Banking	1,0	064	987	1_	264	_	267		267		266	266
Total Global Transaction Services revenue	\$ 8,5	557	\$ 8,165	\$	2,136	\$	2,096	\$	2,161	\$	2,164	\$ 2,142
Average deposit balances												
Interest-bearing	\$ 194,5	14 5	\$ 134,486	\$	209,343	\$	197,801	\$	195,575	\$	174,924	\$ 163,465
Noninterest-bearing	168,2	17	201,851	<u> </u>	169,167		162,656		167,044		174,113	 196,177
Total average deposits	\$ 362,	31	\$ 336,337	\$	378,510	\$	360,457	\$	362,619	\$	349,037	\$ 359,642
Loan spread	1	.41%	1.49%		1.37%		1.41%		1.41%		1.44%	1.43%
Provision for credit losses	\$	114	\$ 8	\$	58	\$	120	\$	125	\$	111	\$ 85
Credit quality (4,5)												
Reservable criticized utilized exposure	\$ 9,9	96	\$ 9,488	\$	9,996	\$	10,346	\$	10,260	\$	10,308	\$ 9,488
	2	.51%	2.43%		2.51%		2.61%		2.59%		2.62%	2.43%
Nonperforming loans, leases and foreclosed properties	\$ 1,	333	\$ 1,004	\$	1,333	\$	1,208	\$	1,088	\$	1,087	\$ 1,004
	0	.36%	0.28%		0.36%		0.32%		0.29%		0.29%	0.28%
Average loans and leases by product												
U.S. commercial	\$ 216,8	22	\$ 202,843	\$	217,326	\$	219,324	\$	215,941	\$	214,642	\$ 206,350
Non-U.S. commercial	85,2	20	78,542		87,872		86,016		84,263		82,663	77,818
Commercial real estate	51,0	92	50,692		51,761		51,069		51,006		50,517	50,974
Commercial lease financing	21,1	70	22,157		20,399		20,700		21,320		22,286	22,266
Other			2		1				1			2
Total average loans and leases	\$ 374,3	04	\$ 354,236	\$	377,359	\$	377,109	\$	372,531	\$	370,108	\$ 357,410
Total Corporation Investment Banking fees												
Advisory (2)	\$ 1,4	160	\$ 1,258	\$	377	\$	452	\$	288	\$	343	\$ 397
Debt issuance	3,1	107	3,084		797		816		746		748	699
Equity issuance	1,2	259	1,183		322		308		395		234	272
Total investment banking fees including self-led deals	5,8	326	5,525		1,496		1,576		1,429		1,325	1,368
Self-led deals		84)	(198)		(22)		(43)		(58)		(61)	(20)
Total Investment Banking fees	\$ 5,0	542	\$ 5,327	\$	1,474	\$	1,533	\$	1,371	\$	1,264	\$ 1,348

⁽¹⁾ Investment banking fees represent total investment banking fees for Global Banking inclusive of self-led deals and fees included within Business Lending.

⁽²⁾ Advisory includes fees on debt and equity advisory and mergers and acquisitions.

⁽³⁾ Investment banking fees represent only the fee component in *Global Banking* and do not include certain other items shared with the Investment Banking Group under internal revenue sharing agreements.

⁽⁴⁾ Criticized exposure corresponds to the Special Mention, Substandard and Doubtful asset categories defined by regulatory authorities. The reservable criticized exposure is on an end-of-period basis and is also shown as a percentage of total commercial reservable utilized exposure, including loans and leases, standby letters of credit, financial guarantees, commercial letters of credit and bankers' acceptances.

Nonperforming loans, leases and foreclosed properties are on an end-of-period basis. The nonperforming ratio is nonperforming assets divided by loans, leases and foreclosed properties.

Bank of America Corporation and Subsidiaries Global Markets Segment Results

(Dollars in millions)							
		Ended iber 31	Fourth	Third	Second	First	Fourth
	2019	2018	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2019	Quarter 2018
Net interest income	\$ 3,915	\$ 3,857	\$ 1,135	\$ 1,016	\$ 811	\$ 953	\$ 935
Noninterest income:							
Investment and brokerage services	1,738	1,780	442	419	433	444	474
Investment banking fees	2,288	2,296	581	585	585	537	513
Market making and similar activities	7,065	7,260	1,442	1,580	1,961	2,082	1,132
All other income	608	990	(174)	263	354	165	193
Total noninterest income	11,699	12,326	2,291	2,847	3,333	3,228	2,312
Total revenue, net of interest expense (1)	15,614	16,183	3,426	3,863	4,144	4,181	3,247
Provision for credit losses	(9)	-	9	_	5	(23)	6
Noninterest expense	10,722	10,835	2,614	2,678	2,675	2,755	2,552
Income before income taxes	4,901	5,348	803	1,185	1,464	1,449	689
Income tax expense	1,397	1,390	229	338	417	413	179
Net income	\$ 3,504	\$ 3,958	\$ 574	\$ 847	\$ 1,047	\$ 1,036	\$ 510
Return on average allocated capital (2)	10%	11%	7%	10%	12%	12%	6%
Efficiency ratio	68.67	66.96	76.29	69.32	64.55	65.91	78.58
Balance Sheet							
Average							
Total trading-related assets	\$ 489,705	\$ 465,132	\$ 489,256	\$ 498,791	\$ 496,205	\$ 474,303	\$ 463,998
Total loans and leases	71,334	72,651	73,044	71,589	70,587	70,080	70,609
Total earning assets	476,225	473,383	481,401	476,919	474,061	472,414	458,331
Total assets	679,297	666,000	680,067	687,393	685,412	664,052	655,069
Total deposits	31,380	31,209	32,866	30,155	31,128	31,366	31,077
Allocated capital (2)	35,000	35,000	35,000	35,000	35,000	35,000	35,000
Period end							
Total trading-related assets	\$ 452,496	\$ 447,998	\$ 452,496	\$ 497,206	\$ 487,094	\$ 485,637	\$ 447,998
Total loans and leases	72,993	73,928	72,993	74,979	74,136	70,052	73,928
Total earning assets	471,701	457,224	471,701	478,303	475,836	470,700	457,224
Total assets	641,806	641,923	641,806	689,023	674,985	671,123	641,923
Total deposits	34,676	37,841	34,676	30,885	29,961	31,073	37,841
Trading-related assets (average)							
Trading account securities	\$ 246,335	\$ 215,112	\$ 247,098	\$ 261,182	\$ 251,401	\$ 225,254	\$ 225,335
Reverse repurchases	116,883	125,084	116,280	110,907	117,730	122,753	119,341
Securities borrowed	83,216	78,889	84,533	80,641	83,374	84,343	75,374
Derivative assets	43,271	46,047	41,345	46,061	43,700	41,953	43,948
Total trading-related assets	\$ 489,705	\$ 465,132	\$ 489,256	\$ 498,791	\$ 496,205	\$ 474,303	\$ 463,998

⁽¹⁾ Substantially all of Global Markets total revenue is sales and trading revenue and investment banking fees, with a small portion related to certain revenue sharing agreements with other business

segments. For additional sales and trading revenue information, see page 22.

(2) Return on average allocated capital is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital. Other companies may define or calculate these measures differently.

Bank of America Corporation and Subsidiaries Global Markets Key Indicators

(Dollars in millions)													
	Year Ended December 31		Fourth Quarter		Third Quarter		Second Quarter		First Ouarter				
		2019	2018		2019		2019	2019		2019		2018	
Sales and trading revenue (1)													
Fixed-income, currencies and commodities	\$	8,188	\$ 8,271	\$	1,755	\$	2,056	\$	2,098	\$	2,279	\$	1,517
Equities		4,491	4,900		1,018		1,148		1,144		1,181		1,071
Total sales and trading revenue	\$	12,679	\$ 13,171	\$	2,773	\$	3,204	\$	3,242	\$	3,460	\$	2,588
Sales and trading revenue, excluding net debit valuation adjustment (2)													
Fixed-income, currencies and commodities	\$	8,396	\$ 8,413	\$	1,836	\$	2,074	\$	2,128	\$	2,358	\$	1,472
Equities		4,505	4,920		1,023		1,145		1,145		1,192		1,064
Total sales and trading revenue, excluding net debit valuation adjustment	\$	12,901	\$ 13,333	\$	2,859	\$	3,219	\$	3,273	\$	3,550	\$	2,536
Sales and trading revenue breakdown													
Net interest income	\$	3,309	\$ 3,356	\$	1,008	\$	886	\$	665	\$	750	\$	806
Commissions		1,699	1,737		432		410		424		433		463
Trading		7,062	7,257		1,441		1,580		1,960		2,081		1,131
Other		609	821		(108)		328		193		196		188
Total sales and trading revenue	\$	12,679	\$ 13,171	\$	2,773	\$	3,204	\$	3,242	\$	3,460	\$	2,588

⁽¹⁾ Includes *Global Banking* sales and trading revenue of \$533 million and \$421 million for the years ended December 31, 2019 and 2018, and \$142 million, \$148 million, \$128 million, \$150 million and \$126 million for the fourth third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

million and \$126 million for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

(2) For this presentation, sales and trading revenue excludes net debit valuation adjustment (DVA) gains (losses) which include net DVA on derivatives, as well as amortization of own credit portion of purchase discount and realized DVA on structured liabilities. Sales and trading revenue excluding net DVA gains (losses) represents a non-GAAP financial measure. We believe the use of this non-GAAP financial measure provides additional useful information to assess the underlying performance of these businesses and to allow better comparison of period-to-period operating performance.

Bank of America Corporation and Subsidiaries All Other Results ⁽¹⁾

(Dollars in millions)												
	 Year End December				Fourth Quarter	Third Quarter		Second Quarter		(First Quarter	Fourth Quarter
	2019		2018		2019		2019		2019		2019	2018
Net interest income	\$ 234	\$	632	\$ 99		\$	62	\$	\$ 78		(5)	\$ 152
Noninterest income (loss)	 (2,616)		(2,257)	l	(599)		(810)		(581)		(626)	(738)
Total revenue, net of interest expense	(2,382)		(1,625)		(500)		(748)		(503)		(631)	(586)
Provision for credit losses	(669)		(476)		(79)		(295)		(241)		(54)	(124)
Noninterest expense	3,720		1,887		315		2,468		516		421	396
Loss before income taxes	(5,433)		(3,036)		(736)		(2,921)		(778)		(998)	(858)
Income tax expense (benefit)	(4,055)		(2,780)		(998)		(1,322)		(787)		(948)	(917)
Net income (loss)	\$ (1,378)	\$	(256)	\$	262	\$	(1,599)	\$	9	\$	(50)	\$ 59
Balance Sheet												
Average												
Total loans and leases	\$ 42,933	\$	61,013	\$	38,197	\$	41,788	\$	44,695	\$	47,160	\$ 53,324
Total assets (2)	210,771		199,978		226,659		212,527		201,845		195,635	196,704
Total deposits	21,434		21,966		23,557		20,718		20,750		20,691	19,979
Period end												
Total loans and leases	\$ 37,151	\$	48,061	\$	37,151	\$	39,671	\$	43,311	\$	45,609	\$ 48,061
Total assets (3)	224,466		195,466		224,466		207,605		205,714		178,680	195,466
Total deposits	23,166		18,541		23,166		21,883		20,189		21,472	18,541

⁽¹⁾ All Other consists of asset and liability management (ALM) activities, equity investments, non-core mortgage loans and servicing activities, liquidating businesses and certain expenses not otherwise allocated to a business segment. ALM activities encompass certain residential mortgages, debt securities, and interest rate and foreign currency risk management activities. Substantially all of the results of ALM activities are allocated to our business segments. Equity investments include our merchant services joint venture, as well as a portfolio of equity, real estate and other alternative investments

⁽²⁾ Includes elimination of segments' excess asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity of \$544.2 billion and \$517.0 billion for the years ended December 31, 2019 and 2018, and \$554.2 billion, \$536.8 billion, \$549.5 billion, \$542.4 billion and \$525.6 billion for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

⁽³⁾ Includes elimination of segments' excess asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity of \$565.3 billion, \$546.5 billion, \$544.0 billion, \$566.8 billion and \$540.8 billion at December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively.

Bank of America Corporation and Subsidiaries Outstanding Loans and Leases

(Dollars in millions)	December 31 2019	S	September 30 2019	De	cember 31 2018
Consumer					
Residential mortgage	\$ 236,16	\$	227,472	\$	208,557
Home equity	40,20	8	41,574		48,286
Credit card	97,60	3	94,946		98,338
Direct/Indirect consumer (1)	90,99	8	90,836		91,166
Other consumer (2)	19	2	208		202
Total consumer loans excluding loans accounted for under the fair value option	465,17	5	455,036		446,549
Consumer loans accounted for under the fair value option (3)	59	4	640		682
Total consumer	465,76)	455,676		447,231
U.S. commercial	307,04	8	310,982		299,277
Non-U.S. commercial	104,96	6	101,084		98,776
Commercial real estate (4)	62,68)	62,798		60,845
Commercial lease financing	19,88)	20,107		22,534
	494,58	3	494,971		481,432
	15,33	3	15,229		14,565
U.S. small business commercial (5)			510.200		
U.S. small business commercial (5) Total commercial loans excluding loans accounted for under the fair value option	509,91	6	510,200		495,997
	509,91 7,74		7,034		495,997 3,667
Total commercial loans excluding loans accounted for under the fair value option	· · · · · · · · · · · · · · · · · · ·	<u> </u>		_	

⁽¹⁾ Includes primarily auto and specialty lending loans and leases of \$50.4 billion, \$50.3 billion and \$50.1 billion, unsecured consumer lending loans of \$317 million, \$328 million and \$383 million, U.S. securities-based lending loans of \$36.7 billion, \$36.5 billion and \$37.0 billion and non-U.S. consumer loans of \$2.8 billion, \$3.0 billion and \$2.9 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

⁽²⁾ Substantially all of other consumer is consumer overdrafts.

⁽³⁾ Consumer loans accounted for under the fair value option includes residential mortgage loans of \$257 million, \$275 million and \$336 million and home equity loans of \$337 million, \$365 million and \$346 million at December 31, 2019, September 30, 2019 and December 31, 2018, respectively. Commercial loans accounted for under the fair value option include U.S. commercial loans of \$4.7 billion, \$4.7 billion and \$2.5 billion and non-U.S. commercial loans of \$3.1 billion, \$2.4 billion and \$1.1 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

⁽⁴⁾ Includes U.S. commercial real estate loans of \$59.0 billion, \$58.1 billion and \$56.6 billion and non-U.S. commercial real estate loans of \$3.7 billion, \$4.7 billion and \$4.2 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

⁽⁵⁾ Includes card-related products.

(Dollars in millions)

Quarterly Average Loans and Leases by Business Segment and All Other

(Donars in millions)						Fourth Qua	arter	2019				
	Total Corporat			onsumer Banking	,	GWIM		Global Banking]	Global Markets		All Other
Consumer												
Residential mortgage		,849	\$	114,871	\$	83,899	\$	1	\$	_	\$	33,078
Home equity		,230		32,447		3,192		_		295		5,296
Credit card		,951		92,131		2,820		_		_		_
Direct/Indirect and other consumer		,924		50,827		40,091			_		_	6
Total consumer	458	,954		290,276		130,002		1		295		38,380
Commercial												
U.S. commercial	326.	,945		20,720		39,704		217,326		48,967		228
Non-U.S. commercial	104.	,787		_		532		87,872		16,373		10
Commercial real estate	63.	,324		16		4,134		51,761		7,404		9
Commercial lease financing	19.	,976		_		2		20,399		5		(430
Total commercial	515.	,032		20,736	_	44,372		377,358		72,749		(183
Total loans and leases	\$ 973.	,986	\$	311,012	\$	174,374	\$	377,359	\$	73,044	\$	38,197
						Third Qua	rter 2	2019				
	Total			onsumer				Global		Global		All
	Corporati	ion	E	Banking		GWIM		Banking		Markets	_	Other
Consumer												
Residential mortgage	\$ 224	,084	\$	107,527	\$	80,959	\$	_	\$	_	\$	35,598
Home equity	43,	,616		33,585		3,326		_		352		6,353
Credit card	94,	,370		91,595		2,775		_		_		_
Direct/Indirect and other consumer	90.	,813		50,738		40,072		_		_		3
Total consumer	452.	,883		283,445		127,132		=		352		41,954
Commercial												
U.S. commercial	324.	,436		20,372		39,289		219,324		45,083		368
Non-U.S. commercial	105	,003				88		86,016		18,967		(68
Commercial real estate	62.	,185		16		3,902		51,069		7,187		11
Commercial lease financing		,226		_		3		20,700				(477
Total commercial	511.	,850		20,388		43,282		377,109		71,237		(166
Total loans and leases		,733	\$	303,833	\$	170,414	\$	377,109	\$	71,589	\$	41,788
						Fourth Qua	rter	rter 2018				
	Total			onsumer				Global		Global		All
Consumor	Corporati	ion		Banking		GWIM		Banking	_	Markets	_	Other
Consumer Pacidential mortgage	\$ 209.	,646	\$	90,307	\$	75,895	\$	2	\$	4	\$	43,438
Residential mortgage Home equity		,757	Φ	36,664	ψ	3,652	Φ		Ф	345	Ф	10,096
Credit card		,766		92,752		3,014		_		343		10,090
Direct/Indirect and other consumer		,458		50.692		40,762		_		_		4
Total consumer		,627		270,415		123,323		2		349		53,538
Commercial												
U.S. commercial	308	,557		19,433		36,527		206,350		45,992		255
Non-U.S. commercial		,937		19,433		113		77,818		17,939		67
Commercial real estate		,876		14		3,550		50,974		6,329		9
Commercial lease financing Total commercial		,724	_	19,447		40 102	_	22,266		70.260		(545
		_	•		•	40,193	-	357,408	0	70,260	Φ.	(214
Total loans and leases	\$ 934.	,721	\$	289,862	\$	163,516	\$	357,410	\$	70,609	\$	53,324

Bank of America Corporation and Subsidiaries Commercial Credit Exposure by Industry (1, 2, 3, 4)

(Dollars in millions)											
	C	Comme	rcial Utilize	d			Total	Commercial Comr	nitted		
	ember 31 2019		ember 30 2019	D	ecember 31 2018	De	cember 31 2019	September 30 2019	December 31 2018		
Asset managers and funds	\$ 71,289	\$	73,822	\$	71,756	\$	109,972	\$ 109,841	\$ 107,888		
Real estate (5)	70,341		70,643		65,328		96,349	93,625	86,514		
Capital goods	41,060		41,651		39,192		80,871	79,308	75,080		
Finance companies	40,171		37,502		36,662		63,940	59,923	56,659		
Healthcare equipment and services	34,353		34,563		35,763		55,918	56,649	56,489		
Government and public education	41,889		42,802		43,675		53,566	54,177	54,749		
Materials	26,663		27,647		27,347		52,128	52,293	51,865		
Consumer services	28,434		25,959		25,702		49,071	46,335	43,298		
Retailing	25,868		27,354		25,333		48,317	48,874	47,507		
Food, beverage and tobacco	24,163		23,587		23,586		45,956	44,609	42,745		
Commercial services and supplies	23,102		22,328		22,623		38,943	37,855	39,349		
Energy	16,407		15,660		13,727		36,327	35,750	32,279		
Utilities	12,383		11,938		12,035		36,060	28,899	27,623		
Transportation	23,448		25,440		22,814		33,027	34,638	31,523		
Global commercial banks	26,492		23,602		26,583		28,670	25,687	28,627		
Individuals and trusts	18,926		18,887		18,643		27,815	26,303	25,019		
Technology hardware and equipment	10,645		11,287		13,014		24,071	25,379	26,228		
Media	12,429		13,285		12,132		23,629	23,645	24,502		
Vehicle dealers	18,013		17,332		17,603		21,435	20,580	20,446		
Consumer durables and apparel	10,193		10,174		9,904		21,245	21,459	20,199		
Software and services	10,432		10,257		8,809		20,556	20,098	19,172		
Pharmaceuticals and biotechnology	5,962		6,261		7,430		20,203	27,051	23,634		
Telecommunication services	9,144		8,580		8,686		16,103	15,980	14,166		
Insurance	6,669		6,966		8,674		15,214	13,804	15,807		
Automobiles and components	7,345		8,033		7,131		14,910	15,176	13,893		
Financial markets infrastructure (clearinghouses)	9,351		11,864		8,317		11,851	14,316	10,042		
Food and staples retailing	6,290		5,642		4,787		10,392	9,871	9,093		
Religious and social organizations	3,844		4,104		3,757		5,756	5,950	5,620		
Total commercial credit exposure by industry	\$ 635,306	\$	637,170	\$	621,013	\$	1,062,295	\$ 1,048,075	\$ 1,010,016		

⁽¹⁾ Includes loans and leases, standby letters of credit and financial guarantees, derivative assets, assets held-for-sale, commercial letters of credit, bankers' acceptances, securitized assets, foreclosed properties and other collateral acquired. Derivative assets are carried at fair value, reflect the effects of legally enforceable master netting agreements and have been reduced by cash collateral of \$33.9 billion, \$40.7 billion and \$32.4 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively. Not reflected in utilized and committed exposure is additional non-cash derivative collateral held of \$33.3 billion, \$35.1 billion and \$33.0 billion, which consists primarily of other marketable securities, at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

Total utilized and total committed exposure includes loans of \$7.7 billion, \$7.0 billion and \$3.7 billion and issued letters of credit with a notional amount of \$170 million, \$115 million and \$100 million accounted for under the fair value option at December 31, 2019, September 30, 2019 and December 31, 2018, respectively. In addition, total committed exposure includes unfunded loan commitments accounted for under the fair value option with a notional amount of \$4.2 billion, \$4.7 billion and \$3.0 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

⁽³⁾ Includes U.S. small business commercial exposure.

⁽⁴⁾ Includes the notional amount of unfunded legally binding lending commitments net of amounts distributed (e.g., syndicated or participated) to other financial institutions.

⁽⁵⁾ Industries are viewed from a variety of perspectives to best isolate the perceived risks. For purposes of this table, the real estate industry is defined based on the primary business activity of the borrowers or the counterparties using operating cash flows and primary source of repayment as key factors.

Bank of America Corporation and Subsidiaries Top 20 Non-U.S. Countries Exposure

(Dollars in millions)

	ar	ded Loans nd Loan ivalents (1)]	funded Loan mitments	No Counte Expo	erparty	Secur Oti Investn	her	E	Country exposure at ecember 31 2019	Cre	Hedges and Credit Default Protection (3)		t Country posure at cember 31 2019 ⁽⁴⁾	(D Sep	from tember 30 2019
United Kingdom	\$	29,156	\$	17,341	\$	7,800	\$	3,545	\$	57,842	\$	(1,998)	\$	55,844	\$	294
Germany		21,920		7,408		1,828		1,967		33,123		(2,295)		30,828		4,739
Canada		7,967		8,255		1,690		2,879		20,791		(669)		20,122		565
France		7,243		9,208		876		969		18,296		(2,041)		16,255		(169)
China		13,304		497		1,085		949		15,835		(248)		15,587		1,059
India		7,817		364		398		3,660		12,239		(222)		12,017		(608)
Australia		6,100		3,583		415		1,443		11,541		(439)		11,102		86
Brazil		7,393		716		218		2,678		11,005		(238)		10,767		(976)
Japan		8,450		896		1,002		1,589		11,937		(1,405)		10,532		(10,750)
Netherlands		6,322		3,585		330		876		11,113		(786)		10,327		(317)
South Korea		5,981		758		386		1,762		8,887		(182)		8,705		128
Singapore		3,749		435		172		3,528		7,884		(58)		7,826		578
Mexico		4,190		1,733		224		1,806		7,953		(150)		7,803		788
Switzerland		4,387		2,947		213		325		7,872		(487)		7,385		(1,217)
Hong Kong		5,106		353		434		1,194		7,087		(31)		7,056		(359)
Belgium		5,077		1,259		526		159		7,021		(514)		6,507		641
Italy		2,353		2,303		510		1,386		6,552		(1,175)		5,377		1,900
Spain		3,153		1,073		258		867		5,351		(629)		4,722		(669)
United Arab Emirates		3,267		229		119		10		3,625		(38)		3,587		80
Ireland		2,142		979		76		201		3,398		(31)		3,367		1,420
Total top 20 non-U.S. countries exposure	\$	155,077	\$	63,922	\$	18,560	\$	31,793	\$	269,352	\$	(13,636)	\$	255,716	\$	(2,787)

⁽¹⁾ Includes loans, leases, and other extensions of credit and funds, including letters of credit and due from placements, which have not been reduced by collateral, hedges or credit default protection.

Funded loans and loan equivalents are reported net of charge-offs but prior to any allowance for loan and lease losses.

(2) Long securities exposures are netted on a single-name basis to, but not below, zero by short exposures and net credit default swaps purchased, consisting of single-name and net indexed and tranched credit default swaps.

Represents credit default protection purchased, net of credit default protection sold, which is used to mitigate the Corporation's risk to country exposures as listed, consisting of net single-name and net indexed and tranched credit default swaps. Amounts are calculated based on the credit default swaps notional amount assuming a zero recovery rate less any fair value receivable or

payable.

(4) Represents country exposure less hedges and credit default protection purchased, net of credit default protection sold.

Nonperforming Loans, Leases and Foreclosed Properties

(Dollars in millions)	Dec	ember 31	Sep	tember 30	į	June 30	N	March 31	Dec	cember 31
		2019		2019		2019		2019		2018
Residential mortgage	\$	1,470	\$	1,551	\$	1,744	\$	1,773	\$	1,893
Home equity		536		585		1,203		1,751		1,893
Direct/Indirect consumer		47		53		80		54		56
Total consumer		2,053		2,189		3,027		3,578		3,842
U.S. commercial		1,094		966		820		870		794
Non-U.S. commercial		43		51		122		80		80
Commercial real estate		280		185		112		213		156
Commercial lease financing		32		35		55		52		18
		1,449		1,237		1,109		1,215		1,048
U.S. small business commercial		50		50		51		57		54
Total commercial		1,499		1,287		1,160		1,272		1,102
Total nonperforming loans and leases		3,552		3,476		4,187		4,850		4,944
Foreclosed properties (1)		285		247		265		295		300
Total nonperforming loans, leases and foreclosed properties (2, 3, 4)	\$	3,837	\$	3,723	\$	4,452	\$	5,145	\$	5,244
Fully-insured home loans past due 30 days or more and still accruing	\$	1,811	\$	1,919	\$	2,155	\$	2,390	\$	2,790
Consumer credit card past due 30 days or more and still accruing		2,035		1,937		1,838		1,932		1,989
Other loans past due 30 days or more and still accruing		3,746		3,286		2,864		2,905		3,539
Total loans past due 30 days or more and still accruing (3, 5, 6)	\$	7,592	\$	7,142	\$	6,857	\$	7,227	\$	8,318
Fully-insured home loans past due 90 days or more and still accruing	\$	1,088	\$	1,203	\$	1,364	\$	1,593	\$	1,884
Consumer credit card past due 90 days or more and still accruing		1,042		960		941		1,005		994
Other loans past due 90 days or more and still accruing		283		496		268		181		352
Total loans past due 90 days or more and still accruing (3, 5, 6)	\$	2,413	\$	2,659	\$	2,573	\$	2,779	\$	3,230
Nonperforming loans, leases and foreclosed properties/Total assets (7)		0.16%		0.15%		0.19%		0.22%		0.22%
Nonperforming loans, leases and foreclosed properties/Total loans, leases and foreclosed properties (7)		0.39		0.39		0.47		0.55		0.56
Nonperforming loans and leases/Total loans and leases (7)		0.36		0.36		0.44		0.52		0.52
Commercial reservable criticized utilized exposure (8)	\$	11,452	\$	11,835	\$	11,834	\$	11,821	\$	11,061
Commercial reservable criticized utilized exposure/Commercial reservable utilized exposure (8)	· ·	2.09%		2.17%		2.19%		2.22%		2.08%
Total commercial criticized utilized exposure/Commercial utilized exposure (8)		2.00		2.02		2.04		2.07		1.93

⁽i) Foreclosed property balances do not include properties insured by certain government-guaranteed loans, principally loans insured by the Federal Housing Administration (FHA), that entered foreclosure of \$260 million, \$275 million, \$294 million, \$400 million and \$488 million at December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively.

⁽⁴⁾ Balances do not include the following:

	Dec	ember 31 2019	Sep	2019	June 30 2019	arch 31 2019	ember 31 2018
Nonperforming loans held-for-sale	\$	239	\$	237	\$ 278	\$ 457	\$ 291
Nonperforming loans accounted for under the fair value option		6		7	10	67	12

⁽⁵⁾ Balances do not include loans held-for-sale past due 30 days or more and still accruing of \$21 million, \$4 million, \$3 million and \$53 million at December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively, and loans held-for-sale past due 90 days or more and still accruing of \$11 million, \$3 million, \$0, \$1 million and \$2 million at December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively. At December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively, of loans accounted for under the fair value option past due 30 days or more and still accruing interest.

Balances do not include past due consumer credit card, consumer loans secured by real estate where repayments are insured by the FHA and individually insured long-term stand-by agreements (fully-insured home loans), and in general, other consumer and commercial loans not secured by real estate.

⁽³⁾ Balances do not include purchased credit-impaired loans even though the customer may be contractually past due. Purchased credit-impaired loans were recorded at fair value upon acquisition and accrete interest income over the remaining life of the loan.

⁽⁶⁾ These balances are excluded from total nonperforming loans, leases and foreclosed properties.

Total assets and total loans and leases do not include loans accounted for under the fair value option of \$8.3 billion, \$7.7 billion, \$7.9 billion, \$6.2 billion and \$4.3 billion at December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018, respectively.

⁽⁸⁾ Criticized exposure corresponds to the Special Mention, Substandard and Doubtful asset categories defined by regulatory authorities. The reservable criticized exposure excludes loans held-for-sale, exposure accounted for under the fair value option and other nonreservable exposure.

Nonperforming Loans, Leases and Foreclosed Properties Activity (1)

(Dollars in millions)										
	Q	Fourth Quarter 2019		Third warter 2019	Q	econd uarter 2019	Qι	irst arter 019	Qı	ourth uarter 2018
Nonperforming Consumer Loans and Leases:										
Balance, beginning of period	\$	2,189	\$	3,027	\$	3,578	\$	3,842	\$	4,306
Additions		291		335		390		391		545
Reductions:										
Paydowns and payoffs		(121)		(197)		(195)		(188)		(214)
Sales		(109)		(748)		(502)		(164)		(438)
Returns to performing status (2)		(143)		(185)		(189)		(249)		(274)
Charge-offs (3)		(31)		(23)		(29)		(28)		(51)
Transfers to foreclosed properties		(23)		(20)		(26)		(26)		(32)
Total net reductions to nonperforming loans and leases		(136)		(838)		(551)		(264)		(464)
Total nonperforming consumer loans and leases, end of period		2,053		2,189		3,027		3,578		3,842
Foreclosed properties		229		188		205		236		244
Nonperforming consumer loans, leases and foreclosed properties, end of period	\$	2,282	\$	2,377	\$	3,232	\$	3,814	\$	4,086
Nonperforming Commercial Loans and Leases (4):										
Balance, beginning of period	\$	1,287	\$	1,160	\$	1,272	\$	1,102	\$	848
Additions		527		492		389		640		500
Reductions:										
Paydowns		(169)		(161)		(210)		(108)		(122)
Sales		(22)		(33)		(117)		(43)		(6)
Return to performing status (5)		(15)		(48)		(23)		(34)		(33)
Charge-offs		(107)		(123)		(151)		(97)		(85)
Transfers to foreclosed properties		(2)		_		_		(7)		
Transfers to loans held-for-sale		_		_		_		(181)		_
Total net additions (reductions) to nonperforming loans and leases		212		127		(112)		170		254
Total nonperforming commercial loans and leases, end of period		1,499		1,287		1,160		1,272		1,102
Foreclosed properties		56		59		60		59		56
Nonperforming commercial loans, leases and foreclosed properties, end of period	\$	1,555	\$	1,346	\$	1,220	\$	1,331	\$	1,158

For amounts excluded from nonperforming loans, leases and foreclosed properties, see footnotes to Nonperforming Loans, Leases and Foreclosed Properties table on page 28.

⁽²⁾ Consumer loans and leases may be returned to performing status when all principal and interest is current and full repayment of the remaining contractual principal and interest is expected, or when the loan otherwise becomes well-secured and is in the process of collection. Certain troubled debt restructurings are classified as nonperforming at the time of restructuring and may only be returned to performing status after considering the borrower's sustained repayment performance for a reasonable period, generally six months.

⁽³⁾ Our policy is not to classify consumer credit card and non-bankruptcy related consumer loans not secured by real estate as nonperforming; therefore, the charge-offs on these loans have no impact on nonperforming activity and, accordingly, are excluded from this table.

⁽⁴⁾ Includes U.S. small business commercial activity. Small business card loans are excluded as they are not classified as nonperforming.

⁽⁵⁾ Commercial loans and leases may be returned to performing status when all principal and interest is current and full repayment of the remaining contractual principal and interest is expected, or when the loan otherwise becomes well-secured and is in the process of collection. Troubled debt restructurings are generally classified as performing after a sustained period of demonstrated payment performance.

Quarterly Net Charge-offs and Net Charge-off Ratios (1)

(Dollars in millions)																
		Quar	Fourth Quarter 2019		Thir Quar 201	ter		Secon Quart 201	ter	First Quarter 2019				Fourth Quarter 2018		
	Am	ount	Percent	An	nount	Percent	Α	mount	Percent	An	nount	Percent	An	nount	Percent	
Net Charge-offs																
Residential mortgage (2)	\$	4	0.01%	\$	(38)	(0.07)%	\$	3	0.01%	\$	(16)	(0.03)%	\$	15	0.03%	
Home equity (3)		(12)	(0.12)		(202)	(1.85)		(155)	(1.36)		11	0.10		(15)	(0.12)	
Credit card		724	3.03		717	3.01		762	3.26		745	3.18		699	2.90	
Direct/Indirect consumer		39	0.17		76	0.33		40	0.18		54	0.24		53	0.23	
Other consumer		83	n/m		69	n/m		41	n/m		41	n/m		52	n/m	
Total consumer		838	0.72		622	0.55		691	0.62		835	0.77		804	0.71	
U.S. commercial		54	0.07		53	0.07		66	0.09		83	0.11		43	0.06	
Non-U.S. commercial		(31)	(0.12)		67	0.26		48	0.19			_		20	0.09	
Total commercial and industrial		23	0.02		120	0.12		114	0.11		83	0.08		63	0.07	
Commercial real estate		21	0.13		(1)	_		4	0.02		5	0.03		(2)	(0.02)	
Commercial lease financing		7	0.13		1	0.02		13	0.26			_		(1)	(0.01)	
		51	0.04		120	0.10		131	0.11		88	0.07		60	0.05	
U.S. small business commercial		70	1.83		69	1.83		65	1.76		68	1.90		60	1.65	
Total commercial		121	0.09		189	0.15		196	0.16		156	0.13		120	0.10	
Total net charge-offs	\$	959	0.39	\$	811	0.34	\$	887	0.38	\$	991	0.43	\$	924	0.39	
By Business Segment and All Other																
Consumer Banking	\$	924	1.18%	\$	905	1.18 %	\$	915	1.24%	\$	925	1.28 %	\$	889	1.22%	
Global Wealth & Investment Management		17	0.04		39	0.09		12	0.03		12	0.03		8	0.02	
Global Banking		40	0.04		116	0.12		129	0.14		82	0.09		56	0.06	
Global Markets		9	0.05		_	_		_	_		_	_		_	_	
All Other		(31)	(0.32)		(249)	(2.43)		(169)	(1.54)		(28)	(0.24)		(29)	(0.22)	
Total net charge-offs	\$	959	0.39	\$	811	0.34	\$	887	0.38	\$	991	0.43	\$	924	0.39	

⁽¹⁾ Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans and leases excluding loans accounted for under the fair value option during the period for each loan and lease category.

⁽²⁾ Includes loan sale net charge-offs (recoveries) of \$2 million, \$(25) million, \$0, \$(10) million and \$25 million for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

⁽³⁾ Includes loan sale net charge-offs (recoveries) of \$9 million, \$(173) million, \$(118) million, \$24 million and \$0 for the fourth, third, second and first quarters of 2019 and the fourth quarter of 2018, respectively.

n/m = not meaningful

Annual Net Charge-offs and Net Charge-off Ratios (1)

(Dollars in millions) Year Ended December 31 2019 2018 Amount Percent Amount Percent Net Charge-offs Residential mortgage (2) \$ (47) (0.02)%28 0.01% Home equity (3) (0.81)(358)(2) Credit card 2,948 3.12 2,837 3.00 Direct/Indirect consumer 0.21 209 0.23 195 182 Other consumer 234 n/m n/m 2,986 3,240 Total consumer 0.66 0.72 256 215 U.S. commercial 0.08 0.07 Non-U.S. commercial 84 0.08 68 0.07 Total commercial and industrial 340 283 0.07 0.08 Commercial real estate 29 0.05 1 Commercial lease financing 21 0.10 (1) (0.01)390 0.08 283 0.06 U.S. small business commercial 272 1.83 240 1.70 **Total commercial** 662 0.13 523 0.11 3,648 Total net charge-offs 0.38 3,763 0.41 By Business Segment and All Other Consumer Banking \$ 3,669 1.22 % 3,515 1.24% Global Wealth & Investment Management 80 0.05 0.04 61 367 Global Banking 0.10 246 0.07 Global Markets 9 0.01 23 0.03 All Other (477)(1.13)(82)(0.14)Total net charge-offs 3,648 0.38 3,763 0.41

n/m = not meaningful

⁽¹⁾ Net charge-off ratios are calculated as net charge-offs divided by average outstanding loans and leases excluding loans accounted for under the fair value option during the period for each loan and lease category

⁽²⁾ Includes loan sale net charge-offs (recoveries) of \$(33) million and \$8 million for the years ended December 31, 2019 and 2018.

⁽³⁾ Includes loan sale net recoveries of \$258 million and \$12 million for the years ended December 31, 2019 and 2018.

Allocation of the Allowance for Credit Losses by Product Type

(Dollars in millions)														
			December 3	1, 2019		September 30	0, 2019	December 31, 2018						
	Am	ount	Percent of Total	Percent of Loans and Leases Outstanding (1,2)	Amount	Percent of Total	Percent of Loans and Leases Outstanding (1, 2)	Amount	Percent of Total	Percent of Loans and Leases Outstanding (1, 2)				
Allowance for loan and lease losses														
Residential mortgage	\$	325	3.45%	0.14%	\$ 341	3.61%	0.15%	\$ 422	4.40%	0.20%				
Home equity		221	2.35	0.55	250	2.65	0.60	506	5.27	1.05				
Credit card		3,710	39.39	3.80	3,709	39.32	3.91	3,597	37.47	3.66				
Direct/Indirect consumer		234	2.49	0.26	234	2.48	0.26	248	2.58	0.27				
Other consumer		52	0.55	N/M	42	0.45	n/m	29	0.30	n/m				
Total consumer		4,542	48.23	0.98	4,576	48.51	1.01	4,802	50.02	1.08				
U.S. commercial (3)		3,015	32.02	0.94	3,038	32.21	0.93	3,010	31.35	0.96				
Non-U.S.commercial		658	6.99	0.63	669	7.09	0.66	677	7.05	0.69				
Commercial real estate		1,042	11.07	1.66	992	10.52	1.58	958	9.98	1.57				
Commercial lease financing		159	1.69	0.80	158	1.67	0.79	154	1.60	0.68				
Total commercial		4,874	51.77	0.96	4,857	51.49	0.95	4,799	49.98	0.97				
Allowance for loan and lease losses		9,416	100.00%	0.97	9,433	100.00%	0.98	9,601	100.00%	1.02				
Reserve for unfunded lending commitments		813			809			797						
Allowance for credit losses	\$ 1	0,229			\$ 10,242	<u>-</u> !		\$ 10,398						
Asset Quality Indicators														
Allowance for loan and lease losses/Total loans and leases (2)			0.97%			0.98%			1.02%					
Allowance for loan and lease losses/Total nonperforming loans and leases (4)			265			271			194					
Ratio of the allowance for loan and lease losses/														

⁽¹⁾ Ratios are calculated as allowance for loan and lease losses as a percentage of loans and leases outstanding excluding loans accounted for under the fair value option. Consumer loans accounted for under the fair value option include residential mortgage loans of \$257 million, \$275 million and \$336 million and home equity loans of \$337 million, \$365 million and \$346 million at December 31, 2019, September 30, 2019 and December 31, 2018, respectively. Commercial loans accounted for under the fair value option include U.S. commercial loans of \$4.7 billion, \$4.7 billion and \$2.5 billion and non-U.S. commercial loans of \$3.1 billion, \$2.4 billion and \$1.1 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

2.93

2.48

n/m = not meaningful

Annualized net charge-offs

Certain prior period amounts have been reclassified to conform to current period presentation.

2.62

⁽²⁾ Total loans and leases do not include loans accounted for under the fair value option of \$8.3 billion, \$7.7 billion and \$4.3 billion at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

³⁾ Includes allowance for loan and lease losses for U.S. small business commercial loans of \$523 million, \$518 million and \$474 million at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

⁽⁴⁾ Allowance for loan and lease losses includes \$4.2 billion, \$4.1 billion and \$4.0 billion allocated to products (primarily the Consumer Lending portfolios within *Consumer Banking* and purchased credit-impaired loans) that are excluded from nonperforming loans and leases at December 31, 2019, September 30, 2019 and December 31, 2018, respectively. Excluding these amounts, allowance for loan and lease losses as a percentage of total nonperforming loans and leases was 148 percent, 152 percent and 113 percent at December 31, 2019, September 30, 2019 and December 31, 2018, respectively.

Exhibit A: Non-GAAP Reconciliations

Bank of America Corporation and Subsidiaries

Reconciliations to GAAP Financial Measures

(Dollars in millions, except per share information)

The Corporation evaluates its business based on the following ratios that utilize tangible equity, a non-GAAP financial measure. Tangible equity represents an adjusted shareholders' equity or common shareholders' equity amount which has been reduced by goodwill and intangible assets (excluding mortgage servicing rights), net of related deferred tax liabilities. Return on average tangible common shareholders' equity measures the Corporation's net income applicable to common shareholders as a percentage of adjusted average common shareholders' equity. The tangible common equity ratio represents adjusted ending common shareholders' equity divided by total assets less goodwill and intangible assets (excluding mortgage servicing rights), net of related deferred tax liabilities. Return on average tangible shareholders' equity measures the Corporation's net income as a percentage of adjusted average total shareholders' equity. The tangible equity ratio represents adjusted ending shareholders' equity divided by total assets less goodwill and intangible assets (excluding mortgage servicing rights), net of related deferred tax liabilities. Tangible book value per common share represents adjusted ending common shareholders' equity divided by ending common shares outstanding. These measures are used to evaluate the Corporation's use of equity. In addition, profitability, relationship and investment models all use return on average tangible shareholders' equity as key measures to support our overall growth goals.

See the tables below for reconciliations of these non-GAAP financial measures to the most closely related financial measures defined by GAAP for the years ended December 31, 2019 and 2018 and the three months ended December 31, 2019, September 30, 2019, June 30, 2019, March 31, 2019 and December 31, 2018. The Corporation believes the use of these non-GAAP financial measures provides additional clarity in understanding its results of operations and trends. Other companies may define or calculate supplemental financial data differently.

	Year I Decem	ber 31	Fourth Quarter	Third Quarter	Second Quarter	First Quarter	Fourth Quarter
	2019	2018	2019	2019	2019	2019	2018
Reconciliation of average shareholders' equity to average tangible shareholders' equity and average tangible common shareholders' equity							
Shareholders' equity	\$ 267,889	\$ 264,748	\$ 266,900	\$ 270,430	\$ 267,975	\$ 266,217	\$ 263,698
Goodwill	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)
Intangible assets (excluding mortgage servicing rights)	(1,721)	(2,058)	(1,678)	(1,707)	(1,736)	(1,763)	(1,857)
Related deferred tax liabilities	773	906	730	752	770	841	874
Tangible shareholders' equity	\$ 197,990	\$ 194,645	\$ 197,001	\$ 200,524	\$ 198,058	\$ 196,344	\$ 193,764
Preferred stock	(23,036)	(22,949)	(23,461)	(23,800)	(22,537)	(22,326)	(22,326
Tangible common shareholders' equity	\$ 174,954	\$ 171,696	\$ 173,540	\$ 176,724	\$ 175,521	\$ 174,018	\$ 171,438
Reconciliation of period-end shareholders' equity to period-end tangible shareholders' equity and period-end tangible common shareholders' equity							
Shareholders' equity	\$ 264,810	\$ 265,325	\$ 264,810	\$ 268,387	\$ 271,408	\$ 267,010	\$ 265,325
Goodwill	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951
Intangible assets (excluding mortgage servicing rights)	(1,661)	(1,774)	(1,661)	(1,690)	(1,718)	(1,747)	(1,774
Related deferred tax liabilities	713	858	713	734	756	773	858
Tangible shareholders' equity	\$ 194,911	\$ 195,458	\$ 194,911	\$ 198,480	\$ 201,495	\$ 197,085	\$ 195,458
Preferred stock	(23,401)	(22,326)	(23,401)	(23,606)	(24,689)	(22,326)	(22,326
Tangible common shareholders' equity	\$ 171,510	\$ 173,132	\$ 171,510	\$ 174,874	\$ 176,806	\$ 174,759	\$ 173,132
Reconciliation of period-end assets to period-end tangible assets							
Assets	\$2,434,079	\$2,354,507	\$2,434,079	\$2,426,330	\$2,395,892	\$2,377,164	\$2,354,507
Goodwill	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951)	(68,951
Intangible assets (excluding mortgage servicing rights)	(1,661)	(1,774)	(1,661)	(1,690)	(1,718)	(1,747)	(1,774
Related deferred tax liabilities	713	858	713	734	756	773	858
Tangible assets	\$2,364,180	\$2,284,640	\$2,364,180	\$2,356,423	\$2,325,979	\$2,307,239	\$2,284,640
Book value per share of common stock							
Common shareholders' equity	\$ 241,409	\$ 242,999	\$ 241,409	\$ 244,781	\$ 246,719	\$ 244,684	\$ 242,999
Ending common shares issued and outstanding	8,836.1	9,669.3	8,836.1	9,079.3	9,342.6	9,568.4	9,669.3
Book value per share of common stock	\$ 27.32	\$ 25.13	\$ 27.32	\$ 26.96	\$ 26.41	\$ 25.57	\$ 25.13
Tangible book value per share of common stock							
Tangible common shareholders' equity	\$ 171,510	\$ 173,132	\$ 171,510	\$ 174,874	\$ 176,806	\$ 174,759	\$ 173,132
Ending common shares issued and outstanding	8,836.1	9,669.3	8,836.1	9,079.3	9,342.6	9,568.4	9,669.3
Tangible book value per share of common stock	\$ 19.41	\$ 17.91	\$ 19.41	\$ 19.26	\$ 18.92	\$ 18.26	\$ 17.91