UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported):
April 16, 2019

BANK OF AMERICA CORPORATION

(Exact name of registrant as specified in its charter)

Delaware (State or Other Jurisdiction of Incorporation) 1-6523 (Commission File Number) 56-0906609

(IRS Employer Identification No.)

100 North Tryon Street Charlotte, North Carolina 28255 (Address of principal executive offices)

(704) 386-5681 (Registrant's telephone number, including area code)

Not Applicable (Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)	
Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)	
Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))	
Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))	
by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR 230.405) or Rule 12b-2 curities Exchange Act of 1934 (17 CFR 240.12b-2).	
rging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised accounting standards provided pursuant to Section 13(a) of the Exchange Act.	

ITEM 2.02. RESULTS OF OPERATIONS AND FINANCIAL CONDITION.

On April 16, 2019, Bank of America Corporation (the "Corporation") announced financial results for thefirst quarter ended March 31, 2019, reporting first quarter net income of \$7.3 billion, or \$0.70 per diluted share. A copy of the press release announcing the Corporation's results for thefirst quarter ended March 31, 2019 (the "Press Release") is attached hereto as Exhibit 99.1 and is incorporated by reference in this Item 2.02. The Press Release is available on the Corporation's website.

The information provided in Item 2.02 of this report, including Exhibit 99.1, shall be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended

ITEM 7.01. REGULATION FD DISCLOSURE.

On April 16, 2019, the Corporation will hold an investor conference call and webcast to discuss financial results for thefirst quarter ended March 31, 2019, including the Press Release and other matters relating to the Corporation.

The Corporation has also made available on its website presentation materials containing certain historical and forward-looking information relating to the Corporation (the "Presentation Materials") and materials that contain additional information about the Corporation's financial results for the first quarter ended March 31, 2019 (the "Supplemental Information"). The Presentation Materials and the Supplemental Information are furnished herewith as Exhibit 99.2 and Exhibit 99.3, respectively, and are incorporated by reference in this Item 7.01. All information in Exhibits 99.2 and 99.3 is presented as of the particular date or dates referenced therein, and the Corporation does not undertake any obligation to, and disclaims any duty to, update any of the information provided.

The information provided in Item 7.01 of this report, including Exhibits 99.2 and 99.3, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, nor shall the information or Exhibits 99.2 or 99.3 be deemed incorporated by reference in any filings under the Securities Act of 1933, as amended.

ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS.

(d) Exhibits.

Exhibit 99.1 is filed herewith. Exhibits 99.2 and 99.3 are furnished herewith.

EXHIBIT NO.	DESCRIPTION OF EXHIBIT
<u>99.1</u>	The Press Release
99.2	The Presentation Materials
99.3	The Supplemental Information

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Corporation has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BANK OF AMERICA CORPORATION

By: /s/ Rudolf A. Bless

Rudolf A. Bless

Chief Accounting Officer

Dated: April 16, 2019



Bank of America Reports Record Quarterly Earnings of \$7.3 Billion, EPS \$0.70

17th Consecutive Quarter of Positive Operating Leverage

1Q19 Financial Highlights¹

· Net income of \$7.3 billion rose 6%, driven by continued strong operating leverage

- Diluted earnings per share of \$0.70 rose 13%
- Pretax income of \$8.8 billion rose 4%
- · Revenue, net of interest expense, remained relatively stable at \$23.0 billion
 - Higher net interest income (NII) from increased interest rates and loan and deposit growth, more than offset by lower noninterest income^{(A}
- · Net interest yield (FTE basis) of 2.51%, up 9 bps(A)
- · Provision for credit losses increased \$179 million to \$1.0 billion
 - Net charge-off ratio increased 3 bps to 0.43%
- Noninterest expense declined \$618 million, or 4%, to \$13.2 billion; efficiency ratio improved to 57%
- · Average loan and lease balances in business segments rose \$33 billion, or 4%, to \$897 billion
 - Consumer loans up 3%; commercial loans up
- Average deposit balances rose \$63 billion, or 5%, to \$1.4 trillion
- Repurchased \$6.3 billion in common stock and paid \$1.5 billion in common dividends
 - Returned 112% of net income available to common shareholders

1Q19 Business Segment Highlights^{1,2}





- including net debit valuation adjustment (DVA) losses of \$90 million
- · Excluding net DVA, sales and trading revenue down 13% to \$3.6 billion(B
 - Equities down 22% to \$1.2 billion^(B)
 - FICC down 8% to \$2.4 billion^(B)

CEO Commentary: "Our diverse business mix and commitment to responsible growth drove record quarterly earnings. Economic growth and consumer activity in the U.S. continue to be solid, businesses of every size are borrowing and driving the economy, and asset quality is strong. It was a challenging capital markets environment but our team and platform are optimized to serve clients and generate stable revenues across a range of market conditions over time. We reduced expenses by four percent from the first quarter of 2018, contributing to the seventeenth consecutive quarter of positive operating leverage. We are well positioned for continued solid results the right way. And we are building on that. We'll add 350 financial centers in new and existing markets by 2021. Our network will provide coverage for more than 90 percent of the U.S. population. We continue to share success: We will raise the minimum starting pay in our company to \$20 over the next twenty-four months; we'll help 20,000 low-to-moderate income clients become homeowners; and we extended our Environmental Business Initiative to \$300 billion over 10 years to help create a low-carbon sustainable future. We serve by asking the simple question to customers, employees, and communities: 'What would you like the power to do?'. We listen to them and serve them with a team that is second to none." - Brian Moynihan, Chairman and Chief Executive Officer

Financial Highlights ³	Three months ended			
(\$ in billions, except per share data)	3/31/2019	12/31/2018	3/31/2018	
Total revenue, net of interest expense	\$23.0	\$22.7	\$23.1	
Net income	\$7.3	\$7.3	\$6.9	
Diluted earnings per share	\$0.70	\$0.70	\$0.62	
Return on average assets	1.26%	1.24%	1.21%	
Return on average common shareholders' equity	11.42	11.57	10.85	
Return on average tangible common shareholders' equity ⁴	16.01	16.29	15.26	
Efficiency ratio	57	58	60	

See page 10 for endnotes.

The Corporation reports the results of operations of its four business segments and All Other on a fully taxable-equivalent (FTE) basis.

4 Represents a non-GAAP financial measure. For additional information, see endnote C on page 10 and reconciliation on page 17.

¹ Financial Highlights and Business Segment Highlights compare to the year-ago quarter unless noted. Loan and deposit balances are shown on an average basis unless noted.

Results for 1Q19 presented in this release reflect certain financial reporting changes and reclassifications that were effective January 1, 2019, as disclosed in a Current Report on Form 8-K filed on April 1, 2019. Results for 2018 periods presented in this release have been updated to reflect the changes and reclassifications to conform to current period presentation.



CFO Commentary: "The strength of our balance sheet allowed us to return our record earnings and additional excess capital to shareholders. We repurchased \$6.3 billion in common stock and paid \$1.5 billion in common dividends. Those repurchases contributed to a 13 percent increase in EPS compared with the first quarter of 2018 while book value per share increased eight percent. Our diluted share count now has been reduced by 1.5 billion shares in the past four years." — **Paul M. Donofrio, Chief Financial Officer**



Financial Results¹

- · Net income of \$3.2 billion, up \$642 million or 25%
- Revenue increased \$652 million, or 7%, to \$9.6 billion. NII increased \$629 million, or 10%, driven by higher interest rates and deposit and loan growth
- Provision for credit losses increased \$39 million to \$974 million
 - Net charge-offs increased due to credit card portfolio seasoning
 - Net charge-off ratio was 1.28% compared to 1.27%
- Noninterest expense decreased \$189 million, or 4%, to \$4.4 billion as investments for business growth were more than offset by improved productivity and lower FDIC expense

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018
Total revenue ²	\$9,632	\$9,963	\$8,980
Provision for credit losses	974	915	935
Noninterest expense	4,359	4,442	4,548
Pretax income	4,299	4,606	3,497
Income tax expense	1,053	1,173	893
Net income	\$3,246	\$3,433	\$2,604

Comparisons are to the year-ago quarter unless noted.

Business Highlights 1,2

- Average deposits grew \$23 billion, or 3%; average loans grew \$13 billion, or 5%
- Consumer Investment Assets grew \$29 billion, or 16%, to \$211 billion, driven by strong client flows and market performance
- · 15 new financial centers opened in 1Q19
- · Digital usage continued to grow
 - 27.1 million active mobile banking users, up 9%
 - Digital sales were 27% of all Consumer Banking sales
 - 1.5 billion mobile logins in 1Q19
 - 5.4 million active Zelle® users, up 2.7x since launch in June 2017
- Efficiency ratio improved to 45% from 51%

	Three months ended			
(\$ in billions)	3/31/2019	12/31/2018	3/31/2018	
Average deposits	\$696.9	\$686.8	\$674.4	
Average loans and leases	292.3	289.9	279.6	
Consumer Investment Assets (EOP)	210.9	185.9	182.1	
Active mobile banking users (MM)	27.1	26.4	24.8	
Number of financial centers	4,353	4,341	4,452	
Efficiency ratio	45%	45%	51%	
Return on average allocated capital	36	37	29	
Total U.S. Consumer Credit	Card ²			
Average credit card outstanding balances	\$95.0	\$95.8	\$94.4	
Total credit/debit spend	141.2	151.9	137.4	
Risk-adjusted margin	8.0%	8.7%	8.2%	

Comparisons are to the year-ago quarter unless noted.

² Revenue, net of interest expense.

² The U.S. consumer credit card portfolio includes Consumer Banking and GWIM.





Financial Results¹

- · Net income of \$1.0 billion, up \$127 million or 14%
- · Revenue decreased \$36 million, or 1%, as higher net interest income was more than offset by lower asset management fees driven by lower market valuations as well as a decline in transactional revenue
- Noninterest expense decreased 4%, as investments for business growth were more than offset by lower amortization of intangibles, revenue-related incentives and FDIC expense

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018
Total revenue ²	\$4,820	\$5,038	\$4,856
Provision for credit losses	5	23	38
Noninterest expense	3,426	3,560	3,580
Pretax income	1,389	1,455	1,238
Income tax expense	340	370	316
Net income	\$1,049	\$1,085	\$922

Comparisons are to the year-ago quarter unless noted.

Business Highlights¹

- · Total client balances of \$2.8 trillion up 4%, driven by net flows and higher end-of-period market valuations
 - Total client balance flows of \$17 billion in 1Q19, including \$13 billion of AUM flows
- · Average loans and leases grew \$5 billion, or 3%, driven by custom lending and mortgages
- · Pretax margin improved to 29%
- Wealth advisors up 1% to 19,523²
- · Strong wealth management household growth continues
 - Record net new Merrill Lynch households, up 85%
 - Private Bank net new households, up 39%

(\$ in billions)	3/31/2019	12/31/2018	3/31/2018
Average deposits	\$261.8	\$247.4	\$243.1
Average loans and leases	164.4	163.5	159.1
Total client balances (EOP)	2,837.0	2,620.9	2,725.5
AUM flows	13.5	(6.2)	24.2
Pretax margin	29%	29%	25%
Return on average allocated capital	29	30	26

² Revenue, net of interest expense.

¹ Comparisons are to the year-ago quarter unless noted.
² Includes financial advisors in Consumer Banking of 2,773 and 2,538 in 1Q19 and 1Q18.





Global Banking

Financial Results¹

- · Net income of \$2.0 billion, up \$39 million or 2%
- Revenue of \$5.2 billion, up \$160 million or 3%
 - Reflects the benefit of higher interest rates as well as loan and deposit growth and higher leasingrelated revenue, partially offset by loan spread compression
- Provision increased \$95 million to \$111 million primarily due to a single-name utility client chargeoff in 1Q19 and the absence of 1Q18 energy reserve releases
- · Noninterest expense decreased 1%, primarily due to lower FDIC expense, partially offset by continued investment in the business

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018
Total revenue ^{2,3}	\$5,155	\$5,169	\$4,995
Provision for credit losses	111	85	16
Noninterest expense	2,266	2,127	2,291
Pretax income	2,778	2,957	2,688
Income tax expense	750	769	699
Net income	\$2,028	\$2,188	\$1,989

Business Highlights^{1,2}

- Average deposits increased \$25 billion, or 8%, to \$349 billion
- · Average loans and leases grew \$18 billion, or 5%, to \$370 billion
- Total Corporation investment banking fees of \$1.3 billion (excl. self-led) declined 7%, driven by lower debt and equity underwriting fees
- · Efficiency ratio improved to 44%

(\$ in billions)	3/31/2019	12/31/2018	3/31/2018	
Average deposits	\$349.0	\$359.6	\$324.4	
Average loans and leases	370.1	357.4	351.7	
Total Corp. IB fees (excl. self-led) ²	1.3	1.3	1.4	
Global Banking IB fees ²	0.7	0.8	0.7	
Business Lending revenue	2.2	2.2	2.1	
Global Transaction Services revenue	2.2	2.1	2.0	
Efficiency ratio	44%	41%	46%	
Return on average allocated capital	20	21	20	

¹ Comparisons are to the year-ago quarter unless noted. ² Global Banking and Global Markets share in certain deal economics from investment banking.

loan origination activities, and sales and trading activities.

³ Revenue, net of interest expense.

¹ Comparisons are to the year-ago quarter unless noted.
² Global Banking and Global Markets share in certain deal economics from investment banking, loan origination activities, and sales and trading activities.





Global Markets

Financial Results¹

- Net income of \$1.0 billion, down \$364 million or 26%
- Revenue of \$4.2 billion, down \$631 million or 13%; excluding net DVA, revenue decreased 10%4
 - Reflects sales and trading revenue decline of 13% (excl. net DVA) and lower investment banking fees
- Noninterest expense decreased \$168 million, or 6%, to \$2.8 billion driven by lower revenue-related expenses
- Average VaR of \$37 million remained low⁵

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018	
Total revenue ^{2,3}	\$4,181	\$3,247	\$4,812	
Net DVA ⁴	(90)	52	64	
Total revenue (excl. net DVA) ^{2,3,4}	\$4,271	\$3,195	\$4,748	
Provision for credit losses	(23)	6	(3)	
Noninterest expense	2,755	2,553	2,923	
Pretax income	1,449	688	1,892	
Income tax expense	413	178	492	
Net income	\$1,036	\$510	\$1,400	
Net income (excl. net DVA) ⁴	\$1,104	\$470	\$1,351	

Revenue, net of interest expense.

Business Highlights 1,2

- Reported sales and trading revenue decreased 17% to \$3.5 billion
- · Excluding net DVA, sales and trading revenue decreased 13% to \$3.6 billion(B)
 - FICC revenue of \$2.4 billion decreased 8% primarily due to lower client activity across most businesses
 - Equities revenue of \$1.2 billion decreased 22% from a record year-ago quarter that benefited from higher client volumes and a strong performance in derivatives on elevated market volatility

(\$ in billions)	3/31/2019	12/31/2018	3/31/2018
Average total assets	\$664.1	\$655.1	\$678.4
Average trading-related assets	474.3	464.0	463.2
Average loans and leases	70.1	70.6	73.8
Sales and trading revenue ²	3.5	2.6	4.1
Sales and trading revenue (excl. net DVA) ^{(B),2}	3.6	2.5	4.1
Global Markets IB fees ²	0.5	0.5	0.6
Efficiency ratio	66%	79%	61%
Return on average allocated capital	12	6	16

Comparisons are to the year-ago quarter unless noted.

¹ Comparisons are to the year-ago quarter unless noted.
² Global Banking and Global Markets share in certain deal economics from investment banking. loan origination activities, and sales and trading activities.

⁴ Revenue and net income, excluding net DVA, are non-GAAP financial measures. See endnote B

on page 10 for more information.

VaR model uses a historical simulation approach based on three years of historical data and an expected shortfall methodology equivalent to a 99% confidence level. Average VaR was \$37MM, \$36MM and \$40MM for 1Q19, 4Q18 and 1Q18, respectively.

Global Banking and Global Markets share in certain deal economics from investment banking, loan origination activities, and sales and trading activities.



All Other

Financial Results¹

- · Net loss of \$48 million
- Revenue decreased \$208 million driven by lower NII
- Benefit in provision for credit losses declined \$98 million to \$54 million primarily due to a slower pace of portfolio improvement
- Noninterest expense declined \$82 million, reflecting lower non-core mortgage costs, primarily due to lower volume, as well as lower FDIC expense
- Income tax for both 1Q19 and 1Q18 included a \$0.2 billion tax benefit related to stock-based compensation

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018		
Total revenue ²	\$(631)	\$(585)	\$(423)		
Provision for credit losses	(54)	(124)	(152)		
Noninterest expense	418	392	500		
Pretax loss	(995)	(853)	(771)		
Income tax expense (benefit)	(947)	(915)	(774)		
Net income (loss)	\$(48)	\$62	\$3		

Comparisons are to the year-ago quarter unless noted.

Note: 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 Revenue, net of interest expense.



Credit Quality

Highlights1

- · Overall credit quality remained strong across both the consumer and commercial portfolios
- Net charge-offs increased \$80 million to \$991 million reflecting an increase in commercial driven by a single-name utility exposure as well as higher losses in the consumer credit card portfolio due to seasoning
 - The net charge-off ratio remained low at 0.43%
- · The provision for credit losses increased \$179 million to \$1.0 billion
- Nonperforming assets declined \$1.5 billion to \$5.1 billion, driven by improvements in consumer
- · Commercial reservable criticized utilized exposure down \$1.5 billion, or 12%, to \$11.8 billion

Three months ended

(\$ in millions)	3/31/2019	12/31/2018	3/31/2018	
Provision for credit losses	\$1,013	\$905	\$834	
Net charge-offs	991	924	911	
Net charge-off ratio ²	0.43%	0.39%	0.40%	
At period-end				
Nonperforming assets	\$5,145	\$5,244	\$6,694	
Nonperforming assets ratio ³	0.55%	0.56%	0.72%	
Allowance for loan and lease losses	\$9,577	\$9,601	\$10,260	
Allowance for loan and lease	1.02%	1.02%	1.11%	

divided by loans and leases outstanding at the end of the period.

Note: Ratios do not include loans accounted for under the fair value option.

¹ Comparisons are to the year-ago quarter unless noted.
² Net charge-off ratio is calculated as annualized net charge-offs divided by average outstanding loans and leases during the period.
³ Nonperforming assets ratio is calculated as nonperforming loans, leases and foreclosed properties (nonperforming assets) divided by outstanding loans, leases and foreclosed properties at the end of the period.
⁴ Allowance for loan and lease losses ratio is calculated as allowance for loan and lease losses divided by loans and lease losses.



Leadership in high-tech, high-touch

(Figures are for 1Q19 unless otherwise specified)

High-Tech

No. 1 in mobile banking, online banking and digital sales functionality

Digital banking has won 30+ digital awards in the last two years
Online and Mobile certified by J.D. Power as providing
"Outstanding Customer Experience"

"Best in Class" in Javelin's 2018 Mobile Banking Scorecard and Online Banking Scorecard

No. 1 Overall | No. 1 Ease of Use | No. 1 in Functionality in Dynatrace's 4Q18 Online Banker Scorecard and 1Q19 Mobile Banker Scorecard

Consumer digital banking momentum

37.0MM active digital banking users

27.1MM active mobile banking users

1.5B logins to consumer banking app

27% of all Consumer sales through digital

- · 51% of all digital sales came from mobile
- 20% of total consumer mortgage applications came from digital

58MM sent and received payments via Zelle®, representing \$16B, up 81% YoY

523K digital appointments

6.3MM total users have completed **39MM** interactions with Erica since launch

Innovation in Global Banking

- ~487K CashPro® (digital banking platform) users across our commercial, corporate and business banking businesses
- Mobile users up 92% YoY; mobile logins up 129% YoY
- 80K mobile payment approvals, representing \$30B, up 166% YoY

Volume of Intelligent Receivables (uses AI to match payments and receivables) increased 40x YoY and won "New Product Development" award from Aite Group

Domestic volume of Digital Disbursements (business-to-consumer payments solution that leverages the bank's investment in Zelle) grew 135% YoY

Innovation in wealth management

Record usage of digital platforms by Merrill Lynch clients

- 60% of Merrill Lynch clients actively using an online or mobile platform across Merrill and Bank of America
- Record growth of client usage of MyMerrill Mobile app, a 29% increase YoY
- MyMerrill Mobile app ranked No. 2 mobile app by J.D. Power Wealth Management Mobile App Satisfaction Study

High-Touch



- 4,353 financial centers
 - 15 new openings in 1Q19
 - 48 renovations in 1Q19



16,378 ATMs

- 999 new or replaced in 1Q19
- · 100% contactless-enabled



Expanded financial center presence in 31 new and existing markets in past 12 months



66MM Consumer and Small Business clients



19,523 Wealth advisors in Global Wealth & Investment Management and Consumer Banking



Global footprint serving middlemarket, large corporate and institutional clients

55,000 relationships with companies and institutions

~35 countries

79% of the 2018 Global Fortune 500 and **94%** of the U.S. Fortune 1,000 have a relationship with us

Increased client-facing professionals to further strengthen local market coverage



Balance Sheet, Liquidity and Capital Highlights (\$ in billions except per share data, end of period, unless otherwise noted)

	3/31/2019	12/31/2018	3/31/2018
Ending Balance Sheet			
Total assets	\$2,377.2	\$2,354.5	\$2,328.5
Total loans and leases	945.6	946.9	934.1
Total loans and leases in business segments (excluding All Other)	900.0	898.8	869.5
Total deposits	1,379.3	1,381.5	1,328.7
Average Balance Sheet			
Average total assets	\$2,361.0	\$2,334.6	\$2,325.9
Average loans and leases	944.0	934.7	931.9
Average deposits	1,359.9	1,345.0	1,297.3
Funding and Liquidity			
Long-term debt	\$233.9	\$229.4	\$232.3
Global Liquidity Sources, average ^(D)	546	544	522
Equity			
Common shareholders' equity	\$244.7	\$243.0	\$241.6
Common equity ratio	10.3%	10.3%	10.4%
Tangible common shareholders' equity ¹	\$174.8	\$173.1	\$171.3
Tangible common equity ratio ¹	7.6%	7.6%	7.6%
Per Share Data			
Common shares outstanding (in billions)	9.57	9.67	10.18
Book value per common share	\$25.57	\$25.13	\$23.74
Tangible book value per common share ¹	18.26	17.91	16.84
Regulatory Capital ^(E)			
CET1 capital	\$169.2	\$167.3	\$164.8
Standardized approach			
Risk-weighted assets	\$1,455	\$1,437	\$1,452
CET1 ratio	11.6%	11.6%	11.4%
Advanced approaches			
Risk-weighted assets	\$1,423	\$1,409	\$1,458
CET1 ratio	11.9%	11.9%	11.3%
Supplementary leverage			
Supplementary leverage ratio (SLR)	6.8%	6.8%	6.8%
PRODUCTION OF THE PROPERTY OF			

¹ Represents a non-GAAP financial measure. For reconciliation, see page 17 of this press release.



Endnotes

- We also measure net interest income on an FTE basis, which is a non-GAAP financial measure. FTE basis is a performance measure used in operating the business that management believes provides investors a more accurate picture of the interest margin for comparative purposes. We believe that this presentation allows for comparison of amounts from both taxable and tax-exempt sources, and is consistent with industry practices. Net interest income on an FTE basis was \$12.5 billion, \$12.7 billion and \$11.9 billion for the three months ended March 31, 2019, December 31, 2018 and March 31, 2018, respectively. The FTE adjustment was \$153 million, \$155 million and \$150 million for the three months ended March 31, 2019, December 31, 2018 and March 31, 2018, respectively.
- B Global Markets revenue and net income, excluding net debit valuation adjustments (DVA), and sales and trading revenue, excluding net DVA, are non-GAAP financial measures. Net DVA gains (losses) were \$(90) million, \$52 million and \$64 million for the three months ended March 31, 2019, December 31, 2018 and March 31, 2018, respectively. FICC net DVA gains (losses) were \$(79) million, \$45 million and \$77 million for the three months ended March 31, 2019, December 31, 2018 and March 31, 2018, respectively. Equities net DVA gains (losses) were \$(11) million, \$7 million and \$(13) million for the three months ended March 31, 2019, December 31, 2018 and March 31, 2018, respectively.
- C Return on average tangible common shareholders' equity is a non-GAAP financial measure. See page 17 of this press release for reconciliation to GAAP financial measures.
- D Global Liquidity Sources (GLS) include cash and high-quality, liquid, unencumbered securities, limited to U.S. government securities, U.S. agency securities, U.S. agency MBS, and a select group of non-U.S. government and supranational securities, and are readily available to meet funding requirements as they arise. They do not include Federal Reserve Discount Window or Federal Home Loan Bank borrowing capacity. Transfers of liquidity among legal entities may be subject to certain regulatory and other restrictions.
- E Regulatory capital ratios at March 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, which for CET1 is the Standardized approach at March 31, 2019 and December 31, 2018 and the Advanced approaches at March 31, 2018.



Contact Information and Investor Conference Call Invitation



Note: Chief Executive Officer Brian Moynihan and Chief Financial Officer Paul Donofrio will discuss first-quarter 2019 financial results in a conference call at 8:30 a.m. ET today. The presentation and supporting materials can be accessed on the Bank of America Investor Relations website at http://investor.bankofamerica.com.

Investor Call Information

For a listen-only connection to the conference call, dial 1.877.200.4456 (U.S.) or 1.785.424.1732 (international). The conference ID is 79795. Please dial in 10 minutes prior to the start of the call. Investors can access replays of the conference call by visiting the Investor Relations website or by calling 1.800.934.4850 (U.S.) or 1.402.220.1178 (international) from April 16 through April 23.

Investors May Contact:

Lee McEntire, Bank of America, 1.980.388.6780

Jonathan Blum, Bank of America (Fixed Income), 1.212.449.3112

Reporters May Contact:

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Bank of America

Bank of America is one of the world's leading financial institutions, serving individual consumers, small and middle-market businesses and large corporations with a full range of banking, investing, asset management and other financial and risk management products and services. The company provides unmatched convenience in the United States, serving approximately 66 million consumer and small business clients with approximately 4,400 retail financial centers, including approximately 1,800 lending centers, 2,200 financial centers with a Consumer Investment Financial Solutions Advisor and 1,500 business centers; approximately 16,400 ATMs; and award-winning digital banking with more than 37 million active users, including over 27 million mobile users. Bank of America is a global leader in wealth management, corporate and investment banking and trading across a broad range of asset classes, serving corporations, governments, institutions and individuals around the world. Bank of America offers industry-leading support to approximately 3 million small business owners through a suite of innovative, easy-to-use online products and services. The company serves clients through operations across the United States, its territories and approximately 35 countries. Bank of America Corporation stock (NYSE: BAC) is listed on the New York Stock Exchange.

Forward-Looking Statements

Bank of America Corporation (the "Company") and its management may make certain statements that constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements can be identified by the fact that they do not relate strictly to historical or current facts. Forward-looking statements often use words such as "anticipates," "targets," "expects," "hopes," "estimates," "intends," "plans," "goals," "believes," "continue" and other similar expressions or future or conditional verbs such as "will," "may," "might," "should," "would" and "could." Forward-looking statements represent the Company's current expectations, plans or forecasts of its future results, revenues, expenses, efficiency ratio, capital measures, strategy, and future business and economic conditions more generally, and other future matters. These statements are not guarantees of future results or performance and involve certain known and unknown risks, uncertainties and assumptions that are difficult to predict and are often beyond the Company's control. Actual outcomes and results may differ materially from those expressed in, or implied by, any of these forward-looking statements.



You should not place undue reliance on any forward-looking statement and should consider the following uncertainties and risks, as well as the risks and uncertainties more fully discussed under Item 1A. Risk Factors of the Company's 2018 Annual Report on Form 10-K and in any of the Company's subsequent Securities and Exchange Commission filings: the Company's potential claims, damages, penalties, fines and reputational damage resulting from pending or future litigation, regulatory proceedings and enforcement actions, and the possibility that amounts may be in excess of the Company's recorded liability and estimated range of possible loss for litigation, regulatory, and representations and warranties exposures; the possibility that the Company could face increased servicing, securities, fraud, indemnity, contribution or other claims from one or more counterparties, including trustees, purchasers of loans, underwriters, issuers, other parties involved in securitizations, monolines or private-label and other investors; the Company's ability to resolve representations and warranties repurchase and related claims, including claims brought by investors or trustees seeking to avoid the statute of limitations for repurchase claims; the risks related to the discontinuation of the London InterBank Offered Rate and other reference rates, including increased expenses and litigation and the effectiveness of hedging strategies; uncertainties about the financial stability and growth rates of non-U.S. jurisdictions, the risk that those jurisdictions may face difficulties servicing their sovereign debt, and related stresses on financial markets, currencies and trade, and the Company's exposures to such risks, including direct, indirect and operational; the impact of U.S. and global interest rates, inflation, currency exchange rates, economic conditions, trade policies, including tariffs, and potential geopolitical instability; the impact of the interest rate environment on the Company's business, financial condition and results of operations; the possibility that future credit losses may be higher than currently expected due to changes in economic assumptions, customer behavior, adverse developments with respect to U.S. or global economic conditions and other uncertainties; the Company's ability to achieve its expense targets and expectations regarding net interest income, net charge-offs, loan growth or other projections; adverse changes to the Company's credit ratings from the major credit rating agencies; an inability to access capital markets or maintain deposits; estimates of the fair value and other accounting values, subject to impairment assessments, of certain of the Company's assets and liabilities; uncertainty regarding the content, timing and impact of regulatory capital and liquidity requirements; the impact of adverse changes to total loss-absorbing capacity requirements and/or global systemically important bank surcharges; the success of our reorganization of Merrill Lynch, Pierce, Fenner & Smith Incorporated; the potential impact of actions of the Board of Governors of the Federal Reserve System on the Company's capital plans; the effect of regulations, other guidance or additional information on the impact from the Tax Cuts and Jobs Act; the impact of implementation and compliance with U.S. and international laws, regulations and regulatory interpretations, including, but not limited to, recovery and resolution planning requirements, Federal Deposit Insurance Corporation assessments, the Volcker Rule, fiduciary standards and derivatives regulations; a failure in or breach of the Company's operational or security systems or infrastructure, or those of third parties, including as a result of cyber-attacks; the impact on the Company's business, financial condition and results of operations from the planned exit of the United Kingdom from the European Union; the impact of a federal government shutdown and uncertainty regarding the federal government's debt limit; and other similar matters.

Forward-looking statements speak only as of the date they are made, and the Company undertakes no obligation to update any forward-looking statement to reflect the impact of circumstances or events that arise after the date the forward-looking statement was made.

"Bank of America Merrill Lynch" is the marketing name for the Global Banking and Global Markets businesses of Bank of America Corporation. Lending, derivatives and other commercial banking activities are performed by banking affiliates of Bank of America Corporation, including Bank of America, N.A., member FDIC. Securities, financial advisory and other investment banking activities are performed by investment banking affiliates of Bank of America Corporation (Investment Banking Affiliates), including Merrill Lynch, Pierce, Fenner & Smith Incorporated, which are registered broker-dealers and members of FINRA and SIPC. Investment products offered by Investment Banking Affiliates: Are Not FDIC Insured * May Lose Value * Are Not Bank Guaranteed. Bank of America Corporation's broker-dealers are not banks and are separate legal entities from their bank affiliates. The obligations of the broker-dealers are not obligations of their bank affiliates (unless explicitly stated otherwise), and these bank affiliates are not responsible for securities sold, offered or recommended by the broker-dealers. The foregoing also applies to other non-bank affiliates.

For more Bank of America news, including dividend announcements and other important information, visit the Bank of America newsroom at https://newsroom.bankofamerica.com.

www.bankofamerica.com

Bank of America Corporation and Subsidiaries Selected Financial Data

(In millions, except per share data)

Summary Income Statement		First Quarter 2019		Fourth Quarter 2018		First Quarter 2018
Net interest income	Ś	12,375	\$	12,504	S	11,769
Noninterest income	7	10,629	7	10,173	~	11,301
Total revenue, net of interest expense	-	23,004	_	22,677	_	23,070
Provision for credit losses		1,013		905		834
Noninterest expense		13,224		13,074		13,842
Income before income taxes	7.0	8,767	_	8,698	_	8,394
Income tax expense		1,456		1,420		1,476
Net income	_		_		_	
	\$	7,311	\$	7,278	\$	6,918
Preferred stock dividends	_	442	_	239	_	428
Net income applicable to common shareholders	\$	6,869	<u>\$</u>	7,039	<u>\$</u>	6,490
Average common shares issued and outstanding		9,725.9		9,855.8		10,322.4
Average diluted common shares issued and outstanding		9,787.3		9,996.0		10,472.7
Summary Average Balance Sheet						
Total debt securities	Ś	441,680	S	440,967	5	433,096
Total loans and leases	4	944,020	2	934,721	4	931,915
Total earning assets		2,011,318		1,986,734		1,979,832
Total assets				2,334,586		2,325,878
		2,360,992		0.0000000000000000000000000000000000000		
Total deposits		1,359,864		1,344,951		1,297,268
Common shareholders' equity		243,891		241,372		242,713
Total shareholders' equity		266,217		263,698		265,480
Performance Ratios						
Return on average assets		1.26%		1.24%		1.219
Return on average common shareholders' equity		11.42		11.57		10.85
Return on average tangible common shareholders' equity (1)		16.01		16.29		15.26
Per Common Share Information						
Earnings	\$	0.71	5	0.71	\$	0.63
Diluted earnings		0.70		0.70		0.62
Dividends paid		0.15		0.15		0.12
Book value		25.57		25.13		23.74
Tangible book value (1)		18.26		17.91		16.84
		March 31	D	ecember 31		March 31
Summary Period-End Balance Sheet		2019		2018		2018
Total debt securities	\$	440,674	\$	441,753	\$	426,837
Total loans and leases		945,615		946,895		934,078
Total earning assets		2,011,503		2,011,474		2,002,678
Total assets		2,377,164		2,354,507		2,328,478
Total deposits		1,379,337		1,381,476		1,328,664
Common shareholders' equity		244,684		242,999		241,552
Total shareholders' equity		267,010		265,325		266,224
Common shares issued and outstanding		9,568.4		9,669.3		10,175.9
		First		Fourth		First
		Quarter		Quarter		Quarter
Credit Quality	_	2019	_	2018	_	2018
Total net charge-offs	\$		\$		\$	911
Net charge-offs as a percentage of average loans and leases outstanding (2)	- 2	0.43%	2	0.39%		0.409
Provision for credit losses	\$	1,013	\$	905	\$	834
		March 31 2019	D	ecember 31 2018		March 31 2018
	\$	5,145	S	5,244	\$	6,694
Total nonperforming loans, leases and foreclosed properties "		STATE OF STATE	-		7	
Total nonperforming loans, leases and foreclosed properties (3) Nonperforming loans, leases and foreclosed properties as a percentage of total loans, leases and foreclosed properties (2)		0.55%		0.56%		0.729
Nonperforming loans, leases and foreclosed properties as a percentage of total loans, leases and foreclosed properties (2) Allowance for loan and lease losses	\$	0.55% 9,577	\$	0.56% 9,601	\$	0.729

For footnotes, see page 14.

Bank of America Corporation and Subsidiaries Selected Financial Data (continued)

(Dollars in millions)

Capital Management	,	March 31 2019			March 31 2018	
Regulatory capital metrics (4):	· —					
Common equity tier 1 capital	\$	169,243	\$	167,272	5	164,828
Common equity tier 1 capital ratio - Standardized approach		11.6%		11.6%		11.4%
Common equity tier 1 capital ratio - Advanced approaches		11.9		11.9		11.3
Tier 1 leverage ratio		8.4		8.4		8.4
Tangible equity ratio (5)		8.5		8.6		8.7
Tangible common equity ratio (5)		7.6		7.6		7.6

Return on average tangible common shareholders' equity 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 Reconciliations to GAAP Financial Measures on page 17.

nonperforming loans held for sale or accounted for under the fair value option.

Regulatory capital ratios at March 31, 2019 are preliminary. Bank of America Corporation (the Corporation) reports regulatory capital ratios under both the Standardized and Advanced approaches. The approach that yields the lower ratio is used to assess capital adequacy, which for CET1 is the Standardized approach at March 31, 2019 and December 31, 2018 and the Advanced approaches at March 31, 2018.

Ratios do not include loans accounted for under the fair value option. Charge-off ratios are annualized for the quarterly presentation.

Balances do not include past due consumer credit card loans, consumer loans secured by real estate where repayments are insured by the Federal Housing Administration 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; purchased credit-impaired loans even though the customer may be contractually past due; and

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 Reconciliations to GAAP Financial Measures on page 17.

Bank of America Corporation and Subsidiaries Quarterly Results by Business Segment and All Other

(Dollars in millions)								
	100		F	irst	Quarter 201	9		
		onsumer anking	GWIM		Global Banking	1	Global Markets	All Other
Total revenue, net of interest expense	\$	9,632	\$ 4,820	\$	5,155	\$	4,181	\$ (631)
Provision for credit losses		974	5		111		(23)	(54)
Noninterest expense		4,359	3,426		2,266		2,755	418
Net income (loss)		3,246	1,049		2,028		1,036	(48)
Return on average allocated capital (1)		36%	29%		20%		12%	n/m
Balance Sheet								
Average								
Total loans and leases	\$	292,269	\$ 164,403	\$	370,108	\$	70,080	\$ 47,160
Total deposits		696,939	261,831		349,037		31,366	20,691
Allocated capital (1)		37,000	14,500		41,000		35,000	n/m
Quarter end								
Total loans and leases	\$	292,454	\$ 164,483	\$	373,017	\$	70,052	\$ 45,609
Total deposits		721,727	261,168		343,897		31,073	21,472

	Fourth Quarter 2018										
	onsumer Banking		GWIM		Global Banking	3	Global Markets		All Other		
Total revenue, net of interest expense	\$ 9,963	\$	5,038	\$	5,169	\$	3,247	5	(585)		
Provision for credit losses	915		23		85		6		(124)		
Noninterest expense	4,442		3,560		2,127		2,553		392		
Net income	3,433		1,085		2,188		510		62		
Return on average allocated capital (1)	37%		30%		21%		6%		n/m		
Balance Sheet											
Average											
Total loans and leases	\$ 289,862	\$	163,516	\$	357,410	\$	70,609	\$	53,324		
Total deposits	686,826		247,427		359,642		31,077		19,979		
Allocated capital (1)	37,000		14,500		41,000		35,000		n/m		
Quarter end											
Total loans and leases	\$ 294,335	\$	164,854	\$	365,717	\$	73,928	\$	48,061		
Total deposits	696,146		268,700		360,248		37,841		18,541		

	First Quarter 2018									
		onsumer Banking		GWIM		Global Banking	8	Global Markets		All Other
Total revenue, net of interest expense	\$	8,980	\$	4,856	\$	4,995	\$	4,812	\$	(423)
Provision for credit losses		935		38		16		(3)		(152)
Noninterest expense		4,548		3,580		2,291		2,923		500
Net income		2,604		922		1,989		1,400		3
Return on average allocated capital (1)		29%		26%		20%		16%		n/m
Balance Sheet										
Average										
Total loans and leases	\$	279,557	\$	159,095	5	351,689	\$	73,763	\$	67,811
Total deposits		674,351		243,077		324,405		32,320		23,115
Allocated capital (1)		37,000		14,500		41,000		35,000		n/m
Quarter end										
Total loans and leases	\$	279,055	\$	159,636	\$	355,165	\$	75,638	\$	64,584
Total deposits		701,488		241,531		331,238		32,301		22,106

⁽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.

n/m = not meaningful

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

The Company reports the results of operations of its four business segments and All Other on a fully taxable-equivalent (FTE) basis.

Bank of America Corporation and Subsidiaries Supplemental Financial Data

(Dollars in millions)			
FTE basis data (1)	First Quarter 2019	Fourth Quarter 2018	First Quarter 2018
Net interest income	\$ 12,528	\$ 12,659	\$ 11,919
Total revenue, net of interest expense	23,157	22,832	23,220
Net interest yield	2.51%	2.52%	2.42%
Efficiency ratio	57.10	57.26	59.61

Other Data	March 31 2019	December 31 2018	March 31 2018
Number of financial centers - U.S.	4,353	4,341	4,452
Number of branded ATMs - U.S.	16,378	16,255	16,011
Headcount	205,292	204,489	207,953

⁽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 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 \$153 million, \$155 million and \$150 million for the first quarter of 2019 and fourth and first quarters of 2018, respectively.

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

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 that in 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 applicable to common shareholders 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 financial measures defined by GAAP for the three months ended March 31, 2019, December 31, 2018 and March 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.

	_	First Quarter 2019		Fourth Quarter 2018		First Quarter 2018	
Reconciliation of average shareholders' equity to average tangible common shareholders' equity and average tangible shareholders' equity							
Shareholders' equity	\$	266,217	\$	263,698	\$	265,480	
Goodwill		(68,951)		(68,951)		(68,951	
Intangible assets (excluding mortgage servicing rights)		(1,763)		(1,857)		(2,261	
Related deferred tax liabilities		841		874		939	
Tangible shareholders' equity	\$	196,344	\$	193,764	\$	195,207	
Preferred stock		(22,326)		(22,326)		(22,767	
Tangible common shareholders' equity	s	174,018	\$	171,438	\$	172,440	
Reconciliation of period-end shareholders' equity to period-end tangible common shareholders' equity and period-end tangible shareholders' equity							
Shareholders' equity	\$	267,010	\$	265,325	\$	266,224	
Goodwill		(68,951)		(68,951)		(68,951	
Intangible assets (excluding mortgage servicing rights)		(1,747)		(1,774)		(2,177	
Related deferred tax liabilities	38	773		858		920	
Tangible shareholders' equity	\$	197,085	\$	195,458	\$	196,016	
Preferred stock		(22,326)		(22,326)		(24,672	
Tangible common shareholders' equity	\$	174,759	\$	173,132	\$	171,344	
Reconciliation of period-end assets to period-end tangible assets							
Assets	5	2,377,164	\$	2,354,507	\$	2,328,478	
Goodwill		(68,951)		(68,951)		(68,951	
Intangible assets (excluding mortgage servicing rights)		(1,747)		(1,774)		(2,177	
Related deferred tax liabilities		773		858		920	
Tangible assets	\$	2,307,239	\$	2,284,640	\$	2,258,270	
Book value per share of common stock							
Common shareholders' equity	\$	244,684	\$	242,999	\$	241,552	
Ending common shares issued and outstanding		9,568.4		9,669.3		10,175.9	
Book value per share of common stock	\$	25.57	\$	25.13	\$	23.74	
Tangible book value per share of common stock							
Tangible common shareholders' equity	\$	174,759	\$	173,132	\$	171,344	
Ending common shares issued and outstanding		9,568.4		9,669.3		10,175.9	
Tangible book value per share of common stock	5	18.26	\$	17.91	\$	16.84	

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

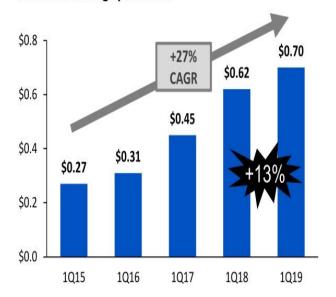
Bank of America 1Q19 Financial Results

April 16, 2019

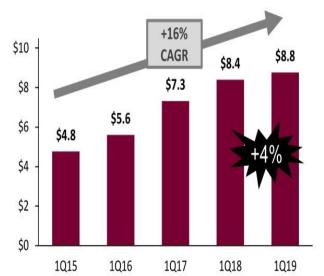


Responsible Growth Has Continued to Deliver ¹

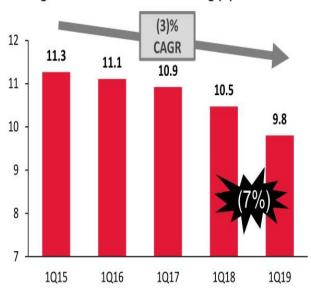
Diluted Earnings per Share



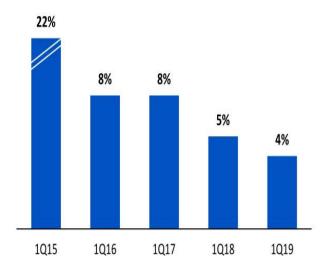
Pretax Income (\$B)



Average Diluted Shares Outstanding (B)



Operating Leverage ²





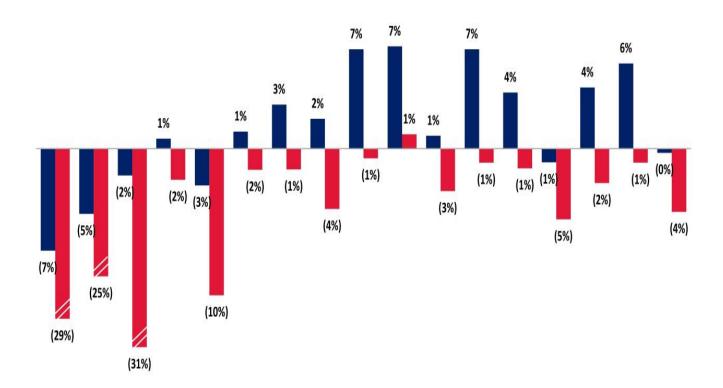
¹This presentation reflects certain financial reporting changes and reclassifications effective January 1, 2019, which were adopted on a retrospective basis as disclosed in a Current Report on Form 8-K filed with the SEC on April 1, 2019. Additionally, certain prior-period financial information in this presentation has been revised to reflect such changes and reclassifications to conform to current period presentation. For important presentation information, see slide 28.

²Operating leverage calculated as the year-over-year percentage change in revenue, net of interest expense, less the percentage change in noninterest expense. Quarterly expense for 2018 and 2017 has been revised; 2016, 2015 and 2014 periods are as reported.

Delivered Positive Operating Leverage for 17 Consecutive Quarters

Operating Leverage Trend 1





1Q15 2Q15 3Q15 1Q16 2Q16 3Q16 4Q16 1Q17 2Q17 3Q17 4Q17 1Q18 2Q18 3Q18 4Q18 1Q19 ■ YoY revenue growth (decline) ■ YoY expense growth (decline) Operating leverage

Note: Amounts may not total due to rounding.



¹Operating leverage calculated as the year-over-year percentage change in revenue, net of interest expense, less the percentage change in noninterest expense. Quarterly revenue and expense for 2018 and 2017 have been revised; 2016, 2015 and 2014 periods are as reported.

² Operating leverage calculated after adjusting 4Q17 revenue for the impact of the Tax Cuts and Jobs Act (Tax Act) is a non-GAAP financial measure. Reported revenue growth and operating leverage were 11% and 12% for 4Q18, and 2% and 3% for 4Q17. Reported revenue was \$22.7B, \$20.4B and \$20.0B for 4Q18, 4Q17 and 4Q16, respectively. Excluding a \$0.9B noninterest income charge from enactment of the Tax Act, 4Q17 revenue was \$21.4B. For important presentation information, see slide 28.

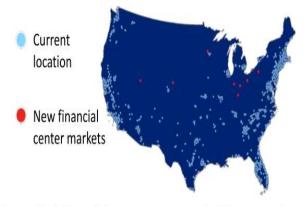
Drove Operating Leverage With Continued Investment in...

Technology/Digitalization



Initiative spend expected to increase 10% in 2019

Physical Delivery Network



Expanded financial center presence in 31 new and existing markets in last 12 months

Our Brand



Our People

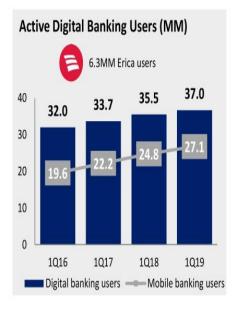


Communities We Serve

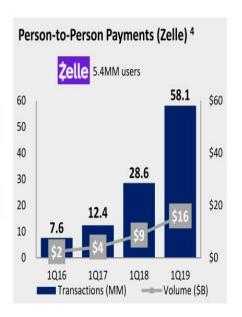


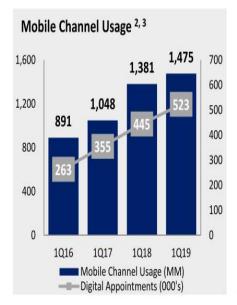


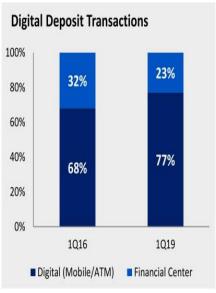
Consumer Banking Digital Usage Trends ¹

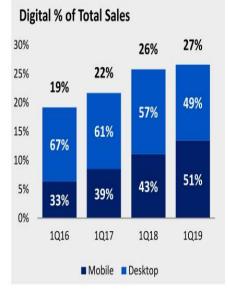


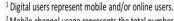


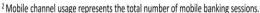










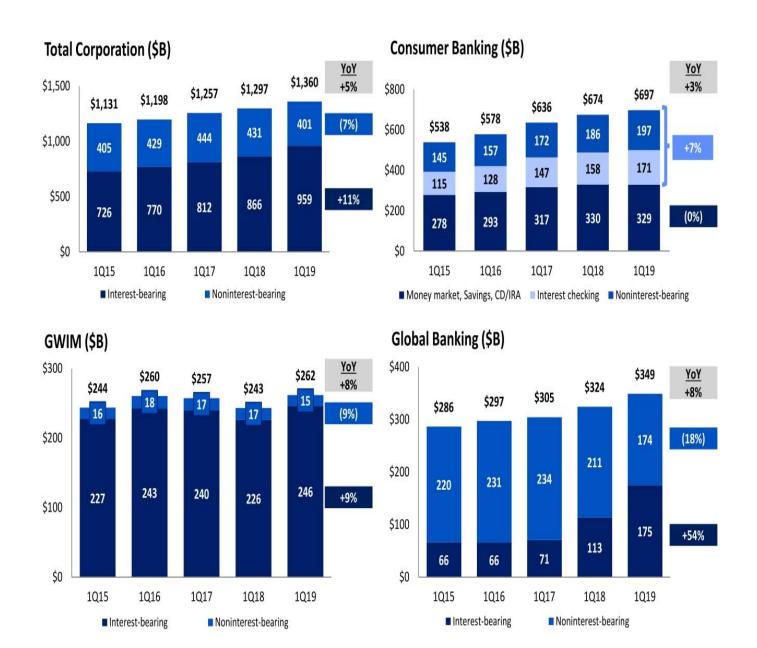


³ Digital appointments represent the number of client-scheduled appointments made via online, smartphone or tablet.

⁴ Includes Bank of America person-to-person payments sent and received through e-mail or mobile identification. Zelle launched in June 2017.

Average Deposits

Bank of America Ranked #1 in U.S. Deposit Market Share 1

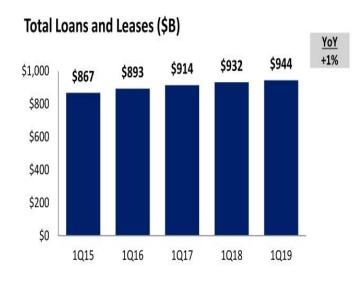




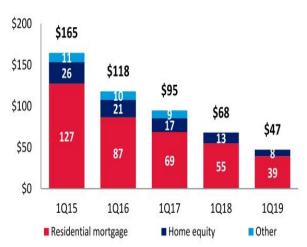
Note: Amounts may not total due to rounding. Total corporation includes Global Markets and All Other.

Based on June 30, 2018 FDIC deposit data.

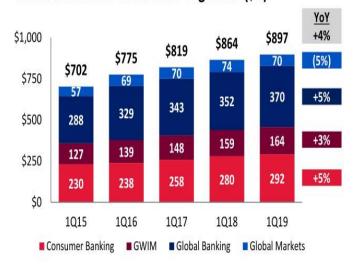
Average Loans and Leases



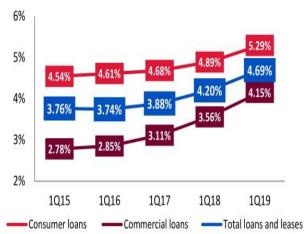
Total Loans and Leases in All Other (\$B)



Loans and Leases in Business Segments (\$B)



Average Loan Yields





Note: Amounts may not total due to rounding.

First Quarter 2019 Highlights

(% comparisons are to 1Q18)

Earnings

- Diluted earnings per share of \$0.70, up 13%
- Record net income of \$7.3B, up 6%
- Pretax income of \$8.8B, up 4%
- Operating leverage of >400bps
 - Total revenue stable at \$23.0B
 - Noninterest expense down 4% to \$13.2B
- Net charge-off ratio of 0.43%

Returns and Efficiency

- Return on average assets of 1.26% improved 5 bps
- Return on average common shareholders' equity of 11.42% increased 57 bps
- Return on average tangible common shareholders' equity of 16.01% improved 75 bps ¹
- Efficiency ratio of 57% improved 252 bps

Client Balances

- Average loans and leases in business segments grew 4%
 - Consumer up 3% and Commercial up 4%
- Average deposits increased 5%
- GWIM Assets Under Management (AUM) balances of \$1.1T with flows of \$13B in 1Q19
- Consumer Investment Assets of \$211B increased 16%

Capital and Liquidity

- \$169B of Common Equity Tier 1 Capital (CET1) and CET1 ratio of 11.6%²
- \$546B of average Global Liquidity Sources ³
- Capital returned to shareholders
 - Repurchased \$6.3B of common shares and paid \$1.5B in common dividends in 1Q19; returned 112% of net income available to common shareholders
 - Average diluted common shares down 7% to 9.8B

² Regulatory capital ratios at March 31, 2019 are preliminary. The Company reports regulatory capital ratios under both the Standardized and Advanced approaches. The approach that yields the lower ratio is used to assess capital adequacy, which for CET1 is the Standardized approach for 1Q19.



¹Represents a non-GAAP financial measure. For important presentation information, see slide 28.

1Q19 Financial Results

Summary Income Statement (\$B, except per share data)	1Q19	1Q18	% Inc / (Dec)
Total revenue, net of interest expense	\$23.0	\$23.1	(0) %
Noninterest expense	13.2	13.8	(4)
Provision for credit losses	1.0	0.8	21
Pretax income	8.8	8.4	4
Income tax expense	1.5	1.5	(1)
Net income	\$7.3	\$6.9	6
Diluted earnings per share	\$0.70	\$0.62	13
Average diluted common shares (in millions)	9,787	10,473	(7)

Return Metrics and Efficiency

Return on average assets	1.26 %	1.21 %	
Return on average common shareholders' equity	11.4	10.9	
Return on average tangible common shareholders' equity 1	16.0	15.3	
Efficiency ratio	57	60	



Balance Sheet, Liquidity and Capital

(EOP basis unless noted)

Balance Sheet (\$B)	1Q19	4Q18	1Q18
Total assets	\$2,377.2	\$2,354.5	\$2,328.5
Total loans and leases	945.6	946.9	934.1
Total loans and leases in business segments ¹	900.0	898.8	869.5
Total debt securities	440.7	441.8	426.8
Funding & Liquidity (\$B)			
Total deposits	\$1,379.3	\$1,381.5	\$1,328.7
Long-term debt	233.9	229.4	232.3
Global Liquidity Sources (average) ²	546	546 544	
Equity (\$B)			
Common shareholders' equity	\$244.7	\$243.0	\$241.6
Common equity ratio	10.3 %	10.3 %	10.4 %
Tangible common shareholders' equity 3	\$174.8	\$173.1	\$171.3
Tangible common equity ratio ³	7.6 %	7.6 %	7.6 %
Per Share Data			
Book value per common share	\$25.57	\$25.13	\$23.74
Tangible book value per common share 3	18.26	17.91	16.84
Common shares outstanding (in billions)	9.57	9.67	10.18

Basel 3 Capital (\$B) 4	1Q19	4Q18	1Q18		
Common equity tier 1 capital (CET1)	\$169.2	\$167.3	\$164.8		
Standardized approach					
Risk-weighted assets	\$1,455	\$1,437	\$1,452		
CET1 ratio	11.6 %	11.6 %	11.4 %		
Advanced approaches					
Risk-weighted assets	\$1,423	\$1,409	\$1,458		
CET1 ratio	11.9 %	11.9 %	11.3 %		
Supplementary leverage					
Supplementary leverage ratio (SLR)	6.8 %	6.8 %	6.8 %		

³ Represents a non-GAAP financial measure. For important presentation information, see slide 28.



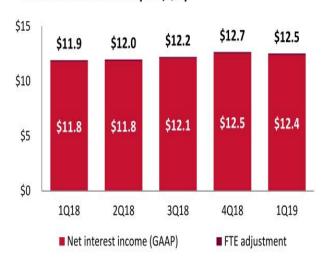
⁴ Regulatory capital metrics at March 31, 2019 are preliminary. The Company reports regulatory capital ratios under both the Standardized and Advanced approaches. The approach that yields the lower ratio is used to assess capital adequacy, which for CET1 is the Standardized approach for 1Q19.

¹ Excludes loans and leases in All Other.

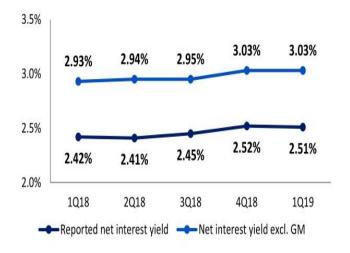
² See note A on slide 25 for definition of Global Liquidity Sources.

Net Interest Income

Net Interest Income (FTE, \$B) 1



Net Interest Yield (FTE) 1



- Net interest income of \$12.4B (\$12.5B FTE 1)
 - Increased \$0.6B from 1Q18, or 5%, reflecting the benefits from higher interest rates as well as loan and deposit growth, modestly offset by loan spread compression
 - Decreased \$0.1B from 4Q18 as two fewer interest accrual days more than offset the benefits of loan and deposit growth
- Net interest yield of 2.51% increased 9 bps from 1Q18
 - Excluding Global Markets, the net interest yield was 3.03%, up 10 bps from 1Q18¹
- Interest rate sensitivity as of March 31, 2019²
 - +100 bps parallel shift in interest rate yield curve is estimated to benefit NII by \$3.7B over the next 12 months, driven primarily by sensitivity to short-end interest rates

Notes: FTE stands for fully taxable-equivalent basis. GM stands for Global Markets.

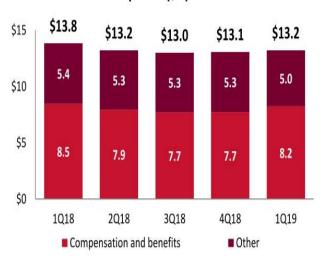


¹Represent non-GAAP financial measures. Net interest yield adjusted to exclude Global Markets NII of \$953MM, \$936MM, \$933MM, \$968MM and \$1,020MM, and average earning assets of \$472B, \$458B, \$459B, \$490B and \$486B for 1Q19, 4Q18, 3Q18, 2Q18 and 1Q18, respectively. The Company believes the presentation of net interest yield excluding Global Markets provides investors with transparency of NII and net interest yield in core banking activities. For important presentation information, see slide 28.

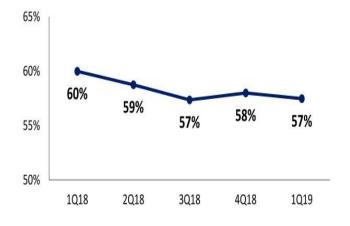
² NII asset sensitivity represents banking book positions.

Expense and Efficiency

Total Noninterest Expense (\$B)



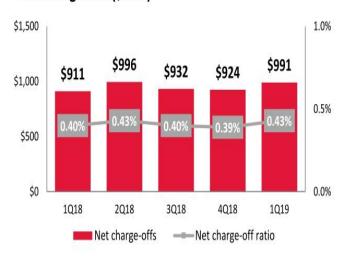
Efficiency Ratio



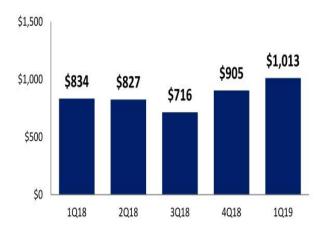
- Total noninterest expense of \$13.2B declined \$0.6B, or 4%, from 1Q18, as efficiency savings, lower FDIC insurance costs and lower amortization of intangibles were partially offset by investments
 - Noninterest expense increased \$0.2B from 4Q18, as seasonally elevated payroll tax costs of \$0.4B were partially offset by timing of marketing and technology initiative spend as well as lower deferred compensation expense
- Efficiency ratio improved to 57% in 1Q19
- Full-year 2019 expenses expected to approximate prior year
 - 2018 expenses revised to \$53.2B, which reflected certain financial reporting changes and reclassifications previously announced in 8-K filing on April 1, 2019 ¹

Asset Quality

Net Charge-offs (\$MM) 1



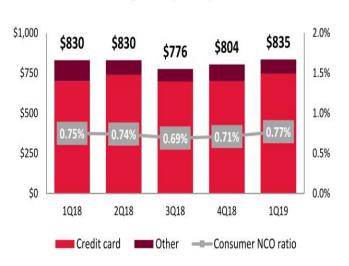
Provision for Credit Losses (\$MM)



- Total net charge-offs of \$1.0B increased \$67MM from 4Q18 and \$80MM from 1Q18
 - Consumer net charge-offs of \$0.8B increased \$31MM from 4Q18 driven primarily by credit card seasonality; stable from 1Q18
 - Commercial net charge-offs of \$0.2B increased \$36MM from 4Q18 and \$75MM from 1Q18 driven primarily by a singlename utility client charge-off
- Net charge-off ratio of 43 bps increased 4 bps from 4Q18 and 3 bps from 1Q18
- Provision expense of \$1.0B increased \$0.1B from 4Q18
 - 1Q19 included a small reserve build of \$22MM
- Allowance for loan and lease losses of \$9.6B represented 1.02% of total loans and leases ¹
- Nonperforming loans (NPLs) of \$4.9B decreased \$0.1B from 4Q18, driven by improvements in Consumer
 - 51% of consumer NPLs are contractually current
- Commercial reservable criticized utilized exposure of \$11.8B increased \$0.8B from 4Q18, but decreased \$1.5B from 1Q18 and remains near historic lows

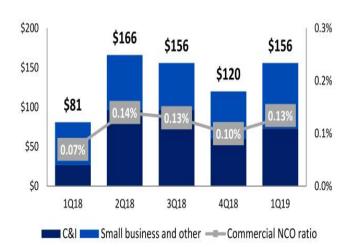
Asset Quality – Consumer and Commercial Portfolios

Consumer Net Charge-offs (\$MM)



Consumer Metrics (\$MM)	1Q19	4Q1	8	1Q18	
Provision	\$830	\$73	4	\$748	
Nonperforming loans and leases	3,578	3,84	2	4,906	
% of loans and leases ¹	0.81 9	6 0.8	6 %	1.10	%
Consumer 30+ days performing past due	\$6,030	\$6,74	1	\$7,823	
Fully-insured ²	2,390	2,79	0	3,915	
Non fully-insured	3,640	3,95	1	3,908	
Allowance for loans and leases	4,756	4,80	2	5,250	
% of loans and leases $^{\mathrm{1}}$	1.08 9	6 1.0	8 %	1.18	%
# times annualized NCOs	1.40	x 1.5	1 x	1.56	X

Commercial Net Charge-offs (\$MM)



Commercial Metrics (\$MM)	1Q19	4Q18	1Q18
Provision	\$183	\$171	\$86
Reservable criticized utilized exposure	11,821	11,061	13,366
Nonperforming loans and leases	1,272	1,102	1,472
% of loans and leases 1	0.26 %	0.22 %	0.31 %
Allowance for loans and leases	\$4,821	\$4,799	\$5,010
% of loans and leases 1	0.97 %	0.97 %	1.04 %



¹ Excludes loans measured at fair value.

² Fully-insured loans are FHA-insured loans and other loans individually insured under long-term standby agreements.

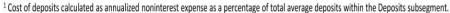
Consumer Banking

Summary Income Statement (\$MM)		Inc / (Dec)		
	1Q19	4Q18	1Q18	
Total revenue, net of interest expense	\$9,632	(\$331)	\$652	
Provision for credit losses	974	59	39	
Noninterest expense	4,359	(83)	(189)	
Pretax income	4,299	(307)	802	
Income tax expense	1,053	(120)	160	
Net income	\$3,246	(\$187)	\$642	

Key Indicators (\$B)	1Q19		4Q18		1Q18	
Average deposits	\$696.9		\$686.8		\$674.4	
Rate paid on deposits	0.09	%	0.07	%	0.05	%
Cost of deposits ¹	1.55		1.55		1.65	
Average loans and leases	\$292.3		\$289.9		\$279.6	
Net charge-off ratio	1.28	%	1.22	%	1.27	%
Consumer Investment Assets ²	\$210.9		\$185.9		\$182.1	
Active mobile banking users (MM)	27.1		26.4		24.8	
% Consumer sales through digital channels	27	%	27	%	26	%
Number of financial centers	4,353		4,341		4,452	
Combined credit / debit purchase volumes ³	\$141.2		\$151.9		\$137.4	
Total consumer credit card risk-adjusted margin ³	8.03	%	8.73	%	8.22	%
Return on average allocated capital	36		37		29	
Allocated capital	\$37		\$37		\$37	
Efficiency ratio	45	%	45	%	51	%

- Net income of \$3.2B increased 25% from 1Q18; ROAAC of 36%
 - 11% operating leverage and steady credit costs drove results
- Revenue of \$9.6B increased \$0.7B, or 7%, from 1Q18, driven primarily by NII due to higher interest rates and growth in deposits and loans
- Provision increased modestly from 1Q18
 - Net charge-offs increased due to credit card portfolio seasoning
- Noninterest expense declined 4% from 1Q18, driven by improved productivity and lower FDIC expense, partially offset by investments for business growth
 - Efficiency ratio decreased 540 bps to 45%
 - Continued investment in financial center builds/renovations and digital capabilities
 - Digital usage increased for sales, service and appointments
- Average deposits of \$697B grew \$23B, or 3%, from 1Q18
 - 52% of deposits in checking accounts; 91% primary accounts ⁴
 - Average cost of deposits of 1.55% ¹; rate paid of 9 bps
- Average loans and leases of \$292B increased \$13B, or 5%, from 1Q18, driven by growth in residential mortgage and credit card
- Consumer Investment Assets of \$211B grew \$29B, or 16%, from 1Q18, driven by strong client flows and market performance
 - \$25B of client flows since 1Q18
 - Client accounts of 2.6MM, up 7%

Note: ROAAC stands for return on average allocated capital.





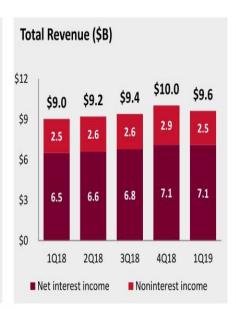
³ Includes U.S. consumer credit card portfolios in Consumer Banking and GWIM.

⁴ Represents the percentage of consumer checking accounts that are estimated to be the customer's primary account based on multiple relationship factors (e.g., linked to their direct deposit).

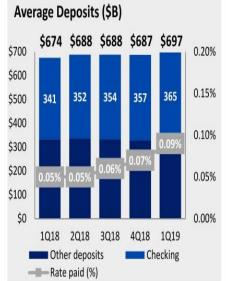
Consumer Banking Trends

Business Leadership ¹

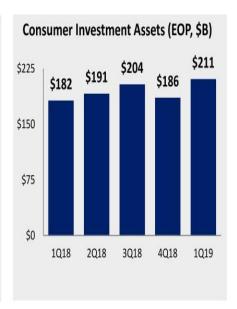
- · #1 Consumer Deposit Market Share A
- · 2019 J.D. Power Certified Mobile App
- · 2019 J.D. Power Certified Website
- Named North America's Best Digital Bank ^B
- #1 Online Banking and Mobile Banking Functionality ^C
- #1 U.S. Checking Account Digital Sales Functionality D
- · 4-Star Rating by Barron's 2019 Best Online Brokers
- · #1 Home Equity Originator E
- #1 in Prime Auto Credit distribution of new originations among peers F
- #2 Small Business Lender G
- · Global Retail Bank of the Year H

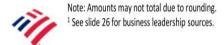












Global Wealth & Investment Management

		Inc / (Dec)		
Summary Income Statement (\$MM)	1Q19	4Q18	1Q18	
Total revenue, net of interest expense	\$4,820	(\$218)	(\$36)	
Provision for credit losses	5	(18)	(33)	
Noninterest expense	3,426	(134)	(154)	
Pretax income	1,389	(66)	151	
Income tax expense	340	(30)	24	
Net income	\$1,049	(\$36)	\$127	

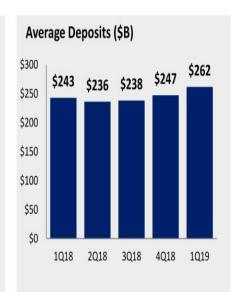
Key Indicators (\$B)	1Q19		4Q18	1Q18	
Average deposits	\$261.8		\$247.4	\$243.1	
Average loans and leases	164.4		163.5	159.1	
Net charge-off ratio	0.03	%	0.02 %	0.06	%
AUM flows	\$13.5		(\$6.2)	\$24.2	
Pretax margin	29	%	29 %	25	%
Return on average allocated capital	29		30	26	
Allocated capital	\$14.5		\$14.5	\$14.5	

- Net income of \$1.0B increased 14% from 1Q18; ROAAC of 29%
 - Strong pretax margin of 29%
- Revenue of \$4.8B decreased 1% from 1Q18
 - Net interest income improved due to higher interest rates as well as growth in deposits and loans
 - Asset management fees declined as the positive impact from AUM flows was more than offset by lower market valuations
 - Brokerage revenue declined from lower client activity
- Noninterest expense decreased 4% from 1Q18, as investments for business growth were more than offset by lower amortization of intangibles, revenue-related incentives, and FDIC expense
- Client balances of \$2.8T, up 4% from 1Q18, driven by positive net flows and higher end-of-period market valuations
 - Total client balance flows of \$17B in 1Q19 included AUM flows of \$13B
- Record net new Merrill Lynch households, up 85% versus 1Q18
- Average deposits of \$262B increased 8% from 1Q18 and 6% from 4Q18
- Average loans and leases of \$164B increased \$5B, or 3%, from 1Q18, driven by custom lending and residential mortgage
- Wealth advisor count grew 1% from 1Q18 to 19,523 ¹

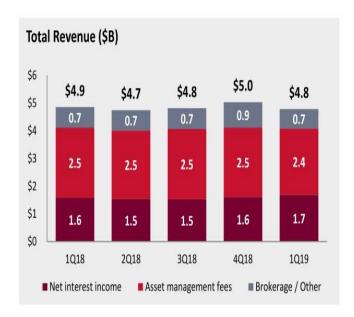
Global Wealth & Investment Management Trends

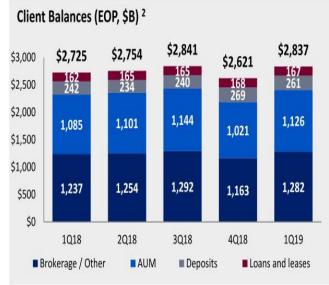
Business Leadership 1

- #1 U.S. wealth management market position across client assets, deposits and loans ¹
- #1 in personal trust assets under management ¹
- #1 in Barron's U.S. high net worth client assets (2018)
- #1 in Barron's Top 1,200 ranked Financial Advisors (2019)
- #1 in Forbes' Top 500 America's Top Next Generation Advisors (2018)
- #1 in Financial Times Top 401K Retirement Plan Advisers (2018)
- #1 in Barron's Top 100 Women Advisors (2018)











Note: Amounts may not total due to rounding.

¹ See slide 26 for business leadership sources.

² Loans and leases include margin receivables which are classified in customer and other receivables on the Consolidated Balance Sheet.

Global Banking

			Inc/(Dec)						
Summary Income Statement (\$MM)	1Q19		4Q18		1Q18	9			
Total revenue, net of interest expense ¹	\$5,155	\$5,155		7	\$160				
Provision (benefit) for credit losses	111		26		95				
Noninterest expense	2,266		139		(25)				
Pretax income	2,778		(179)	(179)					
Income tax expense	750		(19)		51				
Net income	\$2,028		(\$160)		\$39				
Selected Revenue Items (\$MM)	1Q19		4Q18		1Q18				
Total Corporation IB fees (excl. self-led) 1	\$1,264		\$1,348		\$1,353				
Global Banking IB fees ¹	709		760		744				
Business Lending revenue	2,173		2,213		2,149				
Global Transaction Services revenue	2,164		2,142		1,966	_			
Key Indicators (\$B)	1Q19		4Q18		1Q18				
Average deposits	\$349.0		\$359.6		\$324.4				
Average loans and leases	370.1		357.4		351.7				
Net charge-off ratio	0.09	%	0.06	%	0.02	%			
Return on average allocated capital	20		21		20				
Allocated capital	\$41		\$41		\$41				
Efficiency ratio	44	%	41	%	46	%			

- Net income of \$2.0B increased 2% from 1Q18; ROAAC of 20%
- Revenue of \$5.2B increased 3% from 1Q18
 - Reflects the benefit of higher interest rates as well as loan and deposit growth and higher leasing-related revenue, partially offset by loan spread compression
- Total Corporation investment banking fees of \$1.3B (excl. selfled) declined 7% from 1Q18 driven by lower debt and equity underwriting fees
- Provision increased \$95MM from 1Q18 to \$111MM, driven by a single-name utility client charge-off in 1Q19 and the absence of the prior year's energy reserve releases
- Noninterest expense decreased 1% from 1Q18, primarily due to lower FDIC expense, partially offset by continued investment in the business
 - Efficiency ratio improved to 44%
- Average loans and leases of \$370B increased 5% from 1Q18, driven by growth across corporate and commercial clients
 - Balances increased 4% from 4Q18
- Strong average deposit growth of \$25B to \$349B, or 8%, compared to 1Q18



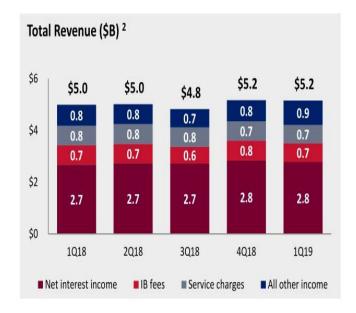
Global Banking Trends

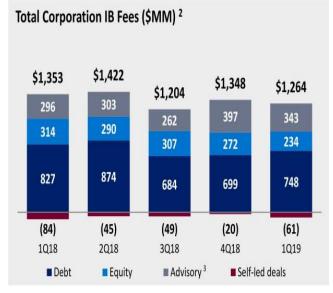
Business Leadership 1

- North America's Best Bank for Small to Medium-sized Enterprises ^B
- Most Innovative Investment Bank of the Year from North America K
- Best Transaction Bank in North America K
- 2018 Quality, Share and Excellence Awards for U.S. Large Corporate Banking and Cash Management ^L
- Best Global Debt Bank ^M
- Relationships with 79% of the Global Fortune 500; 94% of the U.S. Fortune 1,000 (2018)











Note: Amounts may not total due to rounding.

¹ See slide 26 for business leadership sources.

² Global Banking and Global Markets share in certain deal economics from investment banking, loan origination activities and sales and trading activities.

³ Advisory includes fees on debt and equity advisory and mergers and acquisitions.

Global Markets

			Inc	/(D	ec)	
Summary Income Statement (\$MM)	1Q19		4Q18		1Q18	
Total revenue, net of interest expense 1	\$4,181		\$934		(\$631))
Net DVA	(90)		(142)		(154)	
Total revenue (excl. net DVA) 1,2	4,271	0.00	1,076		(477)	
Provision for credit losses	(23)		(29)		(20))
Noninterest expense	2,755		202		(168))
Pretax income	1,449		761		(443))
Income tax expense	413		235		(79))
Net income	\$1,036		\$526		(\$364))
Net income (excl. net DVA) ²	\$1,104		\$634		(\$247)	
Selected Revenue Items (\$MM) 1	1Q19		4Q18		1Q18	
Sales and trading revenue	\$3,460	}	\$2,588		\$4,145	
Sales and trading revenue (excl. net DVA) 2	3,550		2,536		4,081	
FICC (excl. net DVA)	2,358		1,472		2,556	
Equities (excl. net DVA)	1,192		1,064		1,525	
Global Markets IB fees	537		514		609	
Key Indicators (\$B)	1Q19		4Q18		1Q18	į
Average total assets	\$664.1		\$655.1		\$678.4	
Average trading-related assets	474.3		464.0		463.2	
Average 99% VaR (\$MM) 3	37		36		40	
Average loans and leases	70.1		70.6		73.8	
Return on average allocated capital	12	%	6	%	16	0
Allocated capital	\$35		\$35		\$35	
Efficiency ratio	66	%	79	%	61	9

- Net income of \$1.0B decreased 26% from 1Q18; ROAAC of 12%
 - Excluding net DVA, net income of \$1.1B decreased 18%²
- Revenue declined 13% from 1Q18; excluding net DVA, revenue decreased 10%²
 - Reflects lower sales and trading revenue and lower investment banking fees
- Sales and trading revenue of \$3.5B decreased 17% from 1Q18
- Excluding net DVA, sales and trading revenue of \$3.6B decreased 13% from 1Q18²
 - FICC revenue of \$2.4B decreased 8% from 1Q18, primarily due to lower client activity across most businesses
 - Equities revenue of \$1.2B decreased 22% from a record 1Q18 as the year-ago quarter benefited from higher client volumes and a strong performance in derivatives on elevated market volatility
- Noninterest expense decreased 6% vs. 1Q18, driven by lower revenue-related expenses
- Average VaR remained low at \$37MM in 1Q19³



¹Global Banking and Global Markets share in certain deal economics from investment banking, loan origination activities and sales and trading activities.

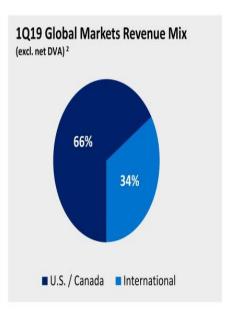
² Represents a non-GAAP financial measure; see note B on slide 25 and slide 28 for important presentation information.

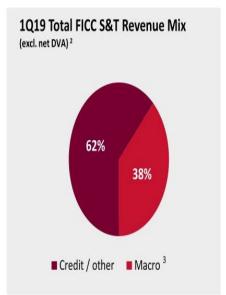
³ See note C on slide 25 for definition of VaR.

Global Markets Trends and Revenue Mix

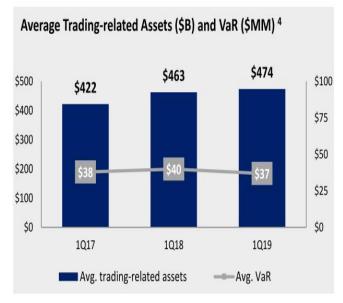
Business Leadership ¹

- #1 Equity Portfolio Trading Share North American Institutions
- #1 for U.S. FICC Overall Trading Quality and #1 for U.S. FICC Overall Sales Quality
- 2018 Quality Leader in Global Top-Tier Foreign Exchange Sales and Corporate FX Sales ^L
- 2018 Share Leader in U.S. Fixed Income Market Share - #1 Securitized, #2 Emerging Markets ^L
- #1 Municipal Bonds Underwriter N
- #2 Global Research Firm ⁰









Note: Amounts may not total due to rounding.

¹ See slide 26 for business leadership sources.

² Represents a non-GAAP financial measure. Reported sales & trading revenue was \$3.5B, \$4.1B and \$3.9B for 1Q19, 1Q18 and 1Q17, respectively. Reported FICC sales & trading revenue was \$2.3B, \$2.6B and \$2.8B for 1Q19, 1Q18 and 1Q17, respectively. See note B on slide 25 and slide 28 for important presentation information.

³ Macro includes G10 FX, rates and commodities products.

⁴ See note C on slide 25 for definition of VaR.

All Other 1

	V_	Inc/(E	ec)
Summary Income Statement (\$MM)	1Q19	4Q18	1Q18
Total revenue, net of interest expense	(\$631)	(\$46)	(\$208)
Provision (benefit) for credit losses	(54)	70	98
Noninterest expense	418	26	(82)
Pretax income (loss)	(995)	(142)	(224)
Income tax expense (benefit)	(947)	(32)	(173)
Net income (loss)	(\$48)	(\$110)	(\$51)

- Net loss of \$48MM compared to net income of \$3MM in 1Q18, as revenue declined
- Provision benefit decreased \$98MM from 1Q18, primarily due to a slower pace of portfolio improvement
- Noninterest expense declined \$82MM from 1Q18, reflecting lower non-core mortgage costs, primarily due to lower volume, as well as lower FDIC expense
- 1Q19 and 1Q18 included a \$0.2B tax benefit related to stockbased compensation



Appendix



Notes

- A Global Liquidity Sources (GLS) include cash and high-quality, liquid, unencumbered securities, limited to U.S. government securities, U.S. agency MBS, and a select group of non-U.S. government and supranational securities, and are readily available to meet funding requirements as they arise. It does not include Federal Reserve Discount Window or Federal Home Loan Bank borrowing capacity. Transfers of liquidity among legal entities may be subject to certain regulatory and other restrictions.
- ^B Revenue for all periods included net debit valuation adjustments (DVA) on derivatives, as well as amortization of own credit portion of purchase discount and realized DVA on structured liabilities. Net DVA gains (losses) were (\$90MM), \$52MM, \$64MM and (\$130MM) for 1Q19, 4Q18, 1Q18 and 1Q17 respectively. Net DVA gains (losses) included in FICC revenue were (\$79MM), \$45MM, \$77MM and (\$120MM) for 1Q19, 4Q18, 1Q18, and 1Q17 respectively. Net DVA gains (losses) included in Equities revenue were (\$11MM), \$7MM, (\$13MM) and (\$10MM) for 1Q19, 4Q18, 1Q18, and 1Q17 respectively.
- ^c VaR model uses historical simulation approach based on three years of historical data and an expected shortfall methodology equivalent to a 99% confidence level. Using a 95% confidence level, average VaR was \$21MM, \$22MM, \$21MM and \$21MM for 1Q19, 4Q18, 1Q18, and 1Q17 respectively.



Sources

- ^A Estimated retail consumer deposits based on June 30, 2018 FDIC deposit data.
- ^B Euromoney, 2018.
- ^c Dynatrace 1Q19 Mobile Banker Scorecard and 4Q18 Online Banker Scorecard; Javelin 2018 Mobile Banking Scorecard and 2018 Online Banking Scorecard.
- ^D Forrester 2018 Banking Sales Wave: U.S. Mobile Sites.
- ^E Inside Mortgage Finance FY2018.
- ^F Experian Autocount; Franchised Dealers; Largest percentage of 680+ Vantage 3.0 originations among key competitors as of January 2019.
- ^G FDIC, 4Q18.
- ^H 2018 Global Retail Banking Awards.
- ¹ U.S.-based full-service wirehouse peers based on 4Q18 earnings releases.
- ¹Industry 4Q18 call reports.
- K The Banker, 2018.
- ^L Greenwich, 2018.
- ^M Global Finance, 2018.
- ^N Thomson Reuters, 2018.
- ^o Institutional Investor, 2018.



Forward-Looking Statements

Bank of America Corporation (the "Company") and its management may make certain statements that constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements can be identified by the fact that they do not relate strictly to historical or current facts. Forward-looking statements often use words such as "anticipates," "targets," "expects," "hopes," "estimates," "intends," "plans," "goals," "believes," "continue" and other similar expressions or future or conditional verbs such as "will," "may," "might," "should," "would" and "could." Forward-looking statements represent the Company's current expectations, plans or forecasts of its future results, revenues, expenses, efficiency ratio, capital measures, strategy, and future business and economic conditions more generally, and other future matters. These statements are not guarantees of future results or performance and involve certain known and unknown risks, uncertainties and assumptions that are difficult to predict and are often beyond the Company's control. Actual outcomes and results may differ materially from those expressed in, or implied by, any of these forward-looking statements.

You should not place undue reliance on any forward-looking statement and should consider the following uncertainties and risks, as well as the risks and uncertainties more fully discussed under Item 1A. Risk Factors of the Company's 2018 Annual Report on Form 10-K and in any of the Company's subsequent Securities and Exchange Commission filings: the Company's potential claims, damages, penalties, fines and reputational damage resulting from pending or future litigation, regulatory proceedings and enforcement actions, and the possibility that amounts may be in excess of the Company's recorded liability and estimated range of possible loss for litigation, regulatory, and representations and warranties exposures; the possibility that the Company could face increased servicing, securities, fraud, indemnity, contribution or other claims from one or more counterparties, including trustees, purchasers of loans, underwriters, issuers, other parties involved in securitizations, monolines or private-label and other investors; the Company's ability to resolve representations and warranties repurchase and related claims, including claims brought by investors or trustees seeking to avoid the statute of limitations for repurchase claims; the risks related to the discontinuation of the London InterBank Offered Rate and other reference rates, including increased expenses and litigation and the effectiveness of hedging strategies; uncertainties about the financial stability and growth rates of non-U.S. jurisdictions, the risk that those jurisdictions may face difficulties servicing their sovereign debt, and related stresses on financial markets, currencies and trade, and the Company's exposures to such risks, including direct, indirect and operational; the impact of U.S. and global interest rates, inflation, currency exchange rates, economic conditions, trade policies, including tariffs, and potential geopolitical instability; the impact of the interest rate environment on the Company's business, financial condition and results of operations; the possibility that future credit losses may be higher than currently expected due to changes in economic assumptions, customer behavior, adverse developments with respect to U.S. or global economic conditions and other uncertainties; the Company's ability to achieve its expense targets and expectations regarding net interest income, net charge-offs, loan growth or other projections; adverse changes to the Company's credit ratings from the major credit rating agencies; an inability to access capital markets or maintain deposits; estimates of the fair value and other accounting values, subject to impairment assessments, of certain of the Company's assets and liabilities; uncertainty regarding the content, timing and impact of regulatory capital and liquidity requirements; the impact of adverse changes to total loss-absorbing capacity requirements and/or global systemically important bank surcharges; the success of our reorganization of Merrill Lynch, Pierce, Fenner & Smith Incorporated; the potential impact of actions of the Board of Governors of the Federal Reserve System on the Company's capital plans; the effect of regulations, other guidance or additional information on the impact from the Tax Cuts and Jobs Act; the impact of implementation and compliance with U.S. and international laws, regulations and regulatory interpretations, including, but not limited to, recovery and resolution planning requirements, Federal Deposit Insurance Corporation assessments, the Volcker Rule, fiduciary standards and derivatives regulations; a failure in or breach of the Company's operational or security systems or infrastructure, or those of third parties, including as a result of cyber-attacks; the impact on the Company's business, financial condition and results of operations from the planned exit of the United Kingdom from the European Union; the impact of a federal government shutdown and uncertainty regarding the federal government's debt limit; and other similar matters.

Forward-looking statements speak only as of the date they are made, and the Company undertakes no obligation to update any forward-looking statement to reflect the impact of circumstances or events that arise after the date the forward-looking statement was made.



Important Presentation Information

- The information contained herein 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 slides. Bank of America does not undertake an obligation to, and disclaims any duty to, update any of the
 information provided.
- The Company may present certain key performance indicators and ratios, including year-over-year comparisons of revenue, noninterest expense and pretax income, excluding certain items (e.g., DVA) which result in non-GAAP financial measures. The Company believes the use of these non-GAAP financial measures provides additional clarity in understanding its results of operations and trends. For more information about the non-GAAP financial measures contained herein, please see the presentation of the most directly comparable financial measures calculated in accordance with GAAP and accompanying reconciliations in the earnings press release for the quarter ended March 31, 2019 and other earnings-related information available through the Bank of America Investor Relations website at: http://investor.bankofamerica.com.
- The Company views net interest income and related ratios and analyses on a fully taxable-equivalent (FTE) basis, which when presented on a consolidated basis are non-GAAP financial measures. The Company believes managing the business with net interest income on an FTE basis provides investors with a more accurate picture of the interest margin for comparative purposes. The Company believes that the presentation allows for comparison of amounts from both taxable and tax-exempt sources and is consistent with industry practices. The FTE adjustment was \$153MM, \$155MM, \$151MM, \$154MM and \$150MM for 1Q19, 4Q18, 3Q18, 2Q18 and 1Q18 respectively.
- The Company allocates capital to its business segments using a methodology that considers the effect of regulatory capital requirements in addition to internal
 risk-based capital models. The Company's internal risk-based capital models use a risk-adjusted methodology incorporating each segment's credit, market,
 interest rate, business and operational risk components. Allocated capital is reviewed periodically and refinements are made based on multiple considerations
 that include, but are not limited to, risk-weighted assets measured under Basel 3 Standardized and Advanced approaches, business segment exposures and risk
 profile, and strategic plans.
- Effective January 1, 2019, the Company made certain financial reporting changes and reclassifications, which were adopted on a retrospective basis. The changes
 and reclassifications reflect changes to both the format of the Consolidated Statement of Income and segment allocations. For additional information, see the
 Company's Current Report on Form 8-K filed with the SEC on April 1, 2019. Certain prior-period financial information presented herein for the Consolidated
 Statement of Income, Consolidated Balance Sheet and segment results has been updated to reflect the changes and reclassifications to conform to current
 period presentation.







Supplemental Information First 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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Financial Reporting Changes and Reclassifications

Effective January 1, 2019, the Corporation made certain financial reporting changes and reclassifications, which were adopted on a retrospective basis. The changes and reclassifications reflect changes to both the format of the Consolidated Statement of Income and segment allocations. For additional information, see the Corporation's Current Report on Form 8-K filed with the SEC on April 1, 2019. Prior-period financial information presented herein for the Consolidated Statement of Income, Consolidated Balance Sheet, certain consolidated quarterly averages and segment results has been updated to reflect the changes and reclassifications.

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 11-12 are reported on an FTE basis.

Consolidated Financial Highlights

(In millions, except per share information)										
	First Fourth Quarter Quarter 2019 2018				Quarter	Second Quarter 2018			First Quarter 2018	
Income statement										
Net interest income	\$	12,375	\$	12,504	\$	12,061	\$	11,828	\$	11,769
Noninterest income		10,629		10,173		10,663		10,721		11,301
Total revenue, net of interest expense		23,004		22,677		22,724		22,549		23,070
Provision for credit losses		1,013		905		716		827		834
Noninterest expense		13,224		13,074		13,014		13,224		13,842
Income tax expense		1,456		1,420		1,827		1,714		1,476
Net income		7,311		7,278		7,167		6,784		6,918
Preferred stock dividends		442		239		466		318		428
Net income applicable to common shareholders		6,869		7,039		6,701		6,466		6,490
Diluted earnings per common share		0.70		0.70		0.66		0.63		0.62
Average diluted common shares issued and outstanding		9,787.3		9,996.0		10,170.8		10,309.4		10,472.7
Dividends paid per common share	\$	0.15	\$	0.15	\$	0.15	\$	0.12	\$	0.12
Performance ratios										
Return on average assets		1.26 %		1.24%		1.23%		1.17%		1.21 %
Return on average common shareholders' equity		11.42		11.57		10.99		10.75		10.85
Return on average shareholders' equity		11.14		10.95		10.74		10.26		10.57
Return on average tangible common shareholders' equity(1)		16.01		16.29		15.48		15.15		15.26
Return on average tangible shareholders' equity(1)		15.10		14.90		14.61		13.95		14.37
Efficiency ratio		57.48		57.65		57.27		58.65		60.00
At period end										
Book value per share of common stock	s	25.57	\$	25.13	\$	24.33	\$	24.07	s	23.74
Tangible book value per share of common stock(1)	•	18.26	Ψ.	17.91	Ψ	17.23		17.07	Ψ	16.84
Market capitalization		263,992		238,251		290,424		282,259		305,176
Number of financial centers - U.S.		4,353		4,341		4,385		4,433		4,452
Number of branded ATMs - U.S.		16,378		16,255		16,089		16,050		16,011

⁽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 31.)

Consolidated Statement of Income

(In millions, except per share information)							
		First Quarter 2019	Qι	ourth uarter 2018	Third Quarter 2018	 Second Quarter 2018	First Quarter 2018
Net interest income	·				 		
Interest income	s	18,170	\$	17,836	\$ 16,965	\$ 16,369	\$ 15,599
Interest expense		5,795		5,332	4,904	4,541	3,830
Net interest income		12,375		12,504	12,061	11,828	11,769
Noninterest income							
Fees and commissions		7,838		8,345	8,076	8,317	8,340
Trading account income		2,338		1,448	1,717	2,151	2,553
Other income		453		380	870	253	408
Total noninterest income	·	10,629		10,173	 10,663	10,721	 11,301
Total revenue, net of interest expense		23,004		22,677	22,724	22,549	23,070
Provision for credit losses		1,013		905	716	827	834
Noninterest expense							
Compensation and benefits		8,249		7,735	7,721	7,944	8,480
Occupancy and equipment		1,605		1,593	1,589	1,591	1,607
Information processing and communications		1,164		1,156	1,113	1,121	1,165
Product delivery and transaction related		662		708	687	706	756
Marketing		442		513	421	395	345
Professional fees		360		480	439	399	381
Other general operating		742		889	1,044	1,068	1,108
Total noninterest expense		13,224		13,074	13,014	13,224	13,842
Income before income taxes		8,767		8,698	8,994	8,498	8,394
Income tax expense		1,456		1,420	 1,827	 1,714	 1,476
Net income	\$	7,311	\$	7,278	\$ 7,167	\$ 6,784	\$ 6,918
Preferred stock dividends		442		239	 466	 318	 428
Net income applicable to common shareholders	<u>s</u>	6,869	\$	7,039	\$ 6,701	\$ 6,466	\$ 6,490
Per common share information							
Earnings	\$	0.71	\$	0.71	\$ 0.67	\$ 0.64	\$ 0.63
Diluted earnings		0.70		0.70	0.66	0.63	0.62
Average common shares issued and outstanding	_	9,725.9		9,855.8	10,031.6	10,181.7	10,322.4
Average diluted common shares issued and outstanding		9,787.3		9,996.0	10,170.8	10,309.4	10,472.7

Consolidated Statement of Comprehensive Income

(Dollars in millions)			Fourth				
	Qua	First Quarter 2019		Third Quarter 2018	Second Quarter 2018		First Quarter 2018
Net income	\$	7,311	\$ 7,278	\$ 7,167	\$ 6,784	\$	6,918
Other comprehensive income (loss), net-of-tax:							
Net change in debt and equity securities		2,309	2,213	(1,172)	(1,031)	_	(3,963)
Net change in debit valuation adjustments		(363)	566	(269)	179		273
Net change in derivatives		229	293	21	(92)		(275)
Employee benefit plan adjustments		28	(496)	31	30		30
Net change in foreign currency translation adjustments		(34)	49	(114)	(141)		(48)
Other comprehensive income (loss)		2,169	2,625	(1,503)	(1,055)		(3,983)
Comprehensive income	\$	9,480	\$ 9,903	\$ 5,664	\$ 5,729	\$	2,935

Net Interest Income and Noninterest Income

(Dollars in millions) Net interest income		First Quarter 2019	Fourth Quarter 2018		Third Quarter 2018		Second Quarter 2018	 First Quarter 2018
Interest income								
Loans and leases	\$	10,885	\$ 10,716	\$	10,401	\$	10,071	\$ 9,623
Debt securities		3,119	3,078		2,986		2,856	2,804
Federal funds sold and securities borrowed or purchased under agreements to resell		1,195	1,046		799		709	622
Trading account assets		1,322	1,305		1,172		1,198	1,136
Other interest income		1,649	1,691		1,607		1,535	1,414
Total interest income		18,170	17,836		16,965		16,369	15,599
Interest expense								
Deposits		1,795	1,562		1,230		943	760
Short-term borrowings		1,852	1,716		1,526		1,462	1,135
Trading account liabilities		345	318		335		348	357
Long-term debt		1,803	1,736		1,813		1,788	1,578
Total interest expense		5,795	5,332		4,904		4,541	 3,830
Net interest income	\$	12,375	\$ 12,504	\$	12,061	\$	11,828	\$ 11,769
Noninterest income Fees and commissions Card income								
Interchange fees(1)	\$	896	\$ 1,016	\$	925	\$	1,011	\$ 914
Other card income		479	506		492		472	 488
Total card income		1,375	1,522		1,417		1,483	1,402
Service charges								
Deposit-related fees		1,580	1,659		1,682		1,680	1,646
Lending-related fees		259	272		279		274	 275
Total service charges		1,839	1,931		1,961		1,954	1,921
Investment and brokerage services								
Asset management fees		2,440	2,536		2,576		2,513	2,564
Brokerage fees	_	920	1,008	_	918		945	 1,100
Total investment and brokerage services		3,360	3,544		3,494		3,458	3,664
Investment banking fees								
Underwriting income		666	562		701		719	740
Syndication fees		255	389		241		400	317
Financial advisory services		343	397		262	_	303	 296
Total investment banking fees Total fees and commissions		7,838	1,348 8,345	_	1,204 8,076	_	1,422 8,317	 1,353 8,340
Trading account income		2,338	1,448		1,717		2,151	2,553
Other income		453	380		870		253	408
Total noninterest income	\$	10,629	\$ 10,173	\$	10,663	\$	10,721	\$ 11,301
						_		

⁽¹⁾ Gross interchange fees were \$2.3 billion, \$2.5 billion, \$2.5 billion, \$2.4 billion, \$2.4 billion and \$2.2 billion and \$2.2 billion and are presented net of \$1.4 billion, \$1.5 billion, \$1.5 billion, \$1.4 billion and \$1.3 billion of expenses for rewards and partner payments for the first quarter of 2019 and fourth, third, second and first quarters of 2018, respectively.

Consolidated Balance Sheet

Consolidated Dalance Sheet			
(Dollars in millions)	March 31	December 31	March 31
	2019	2018	2018
Assets			
Cash and due from banks	\$ 28,083	\$ 29,063	\$ 26,247
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	143,540	148,341	177,994
Cash and cash equivalents	171,623	177,404	204,241
Time deposits placed and other short-term investments	9,480	7,494	8,069
Federal funds sold and securities borrowed or purchased under agreements to resell	267,017	261,131	244,630
Trading account assets	239,062	214,348	198,477
Derivative assets	42,391	43,725	47,869
Debt securities:	241.056	220.101	202.200
Carried at fair value	241,956	238,101	303,298
Held-to-maturity, at cost Total debt securities	198,718 440,674	203,652 441,753	123,539 426,837
Loans and leases	945,615	946,895	934,078
Allowance for loan and lease losses	(9,577)	(9,601)	(10,260)
Loans and leases, net of allowance	936,038	937,294	923,818
Premises and equipment, net	10,251	9,906	9,399
Goodwill	68,951	68,951	68,951
Loans held-for-sale	6,297	10,367	9,227
Customer and other receivables	53,496	65,814	58,127
Other assets	131,884	116,320	128,833
Total assets	\$ 2,377,164	\$ 2,354,507	\$ 2,328,478
Liabilities			
Deposits in U.S. offices:			
Noninterest-bearing	\$ 395,350	\$ 412,587	\$ 434,709
Interest-bearing	907,076	891,636	811,212
Deposits in non-U.S. offices:			
Noninterest-bearing	12,066	14,060	13,768
Interest-bearing	64,845	63,193	68,975
Total deposits	1,379,337	1,381,476	1,328,664
Federal funds purchased and securities loaned or sold under agreements to repurchase	188,451	186,988	178,528
Trading account liabilities	84,410	68,220	100,218
Derivative liabilities	36,338	37,891	33,900
Short-term borrowings	14,008	20,189	38,073
Accrued expenses and other liabilities	173,681	165,026	150,563
Long-term debt	233,929	229,392	232,308
Total liabilities	2,110,154	2,089,182	2,062,254
Shareholders' equity			
Preferred stock, \$0.01 par value; authorized –100,000,000 shares; issued and outstanding –3,843,140, 3,843,140 and 3,931,683 shares	22,326	22,326	24,672
Common stock and additional paid-in capital, \$0.01 par value; authorized -12,800,000,000 shares; issued and outstanding -9,568,389,268, 9,669,286,370 and			
10,175,910,851 shares	112,838	118,896	133,532
Retained earnings	141,888	136,314	120,298
Accumulated other comprehensive income (loss)	(10,042)	(12,211)	(12,278)
Total shareholders' equity	267,010	265,325	266,224
Total liabilities and shareholders' equity	\$ 2,377,164	\$ 2,354,507	\$ 2,328,478
Assets of consolidated variable interest entities included in total assets above (isolated to settle the liabilities of the variable interest entities)			
Trading account assets	\$ 5,453	\$ 5,798	\$ 6,065
Loans and leases	41,528	43,850	46,590
Allowance for loan and lease losses	(884)	(912)	(984)
Loans and leases, net of allowance	40,644	42,938	45,606
All other assets	332	337	412
Total assets of consolidated variable interest entities	\$ 46,429	\$ 49,073	\$ 52,083
Liabilities of consolidated variable interest entities included in total liabilities above			
Short-term borrowings	\$ 1,547	\$ 742	\$ 286
Long-term debt	8,182	10,944	10,051
All other liabilities	25	30	38
Total liabilities of consolidated variable interest entities	\$ 9,754	\$ 11,716	\$ 10,375

Capital Management

(Dollars in millions)							
		March 31 2019		December 31 2018		March 31 2018	
Risk-based capital metrics ⁽¹⁾ :							
Standardized Approach							
Common equity tier 1 capital	s	169,243	\$	167,272	\$	164,828	
Tier I capital		190,963		189,038		188,900	
Total capital		223,710		221,304		223,772	
Risk-weighted assets		1,454,968		1,437,206		1,451,791	
Common equity tier 1 capital ratio		11.6%		11.6%		11.4%	
Tier 1 capital ratio		13.1		13.2		13.0	
Total capital ratio		15.4		15.4		15.4	
Advanced Approaches							
Common equity tier 1 capital	s	169,243	\$	167,272	\$	164,828	
Tier 1 capital		190,963		189,038		188,900	
Total capital		215,594		212,878		215,261	
Risk-weighted assets		1,423,456		1,408,939		1,457,795	
Common equity tier 1 capital ratio		11.9%		11.9%	11.3 %		
Tier 1 capital ratio		13.4	13.4			13.0	
Total capital ratio		15.1		15.1		14.8	
Leverage-based metrics ⁽¹⁾							
Adjusted average assets	s	2,283,983	\$	2,257,545	\$	2,247,247	
Tier 1 leverage ratio		8.4%		8.4%		8.4%	
Supplementary leverage exposure	s	2,822,155	\$	2,791,316	\$	2,794,363	
Supplementary leverage ratio		6.8%		6.8%		6.8%	
Tangible equity ratio(2)		8.5		8.6		8.7	
Tangible common equity ratio ⁽²⁾		7.6		7.6		7.6	

⁽¹⁾ Regulatory capital ratios at March 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.
(2) 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 - Reconciliations - Reconciliations of GAAP Financial Measures on page 31.)

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

(Dollars in millions)

		First Quarter 2019			Fourth Quarter 2018		First Quarter 2018				
	Average Balance	Interest Income/ Expense	Yield/ Rate	Average Balance	Interest Income/ Expense	Yield/ Rate	Average Balance	Interest Income/ Expense	Yield/ Rate		
Earning assets											
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	\$ 134,962	\$ 506	1.52 %	\$ 129,814	\$ 494	1.51%	\$ 140,247	\$ 422	1.22%		
Time deposits placed and other short-term investments	8,453	59	2.82	8,691	59	2.72	10,786	61	2.31		
Federal funds sold and securities borrowed or purchased under agreements to resell	274,308	1,195	1.77	263,626	1,046	1.57	248,320	622	1.02		
Trading account assets	140,228	1,341	3.87	138,046	1,327	3.82	131,123	1,147	3.54		
Debt securities	441,680	3,148	2.83	440,967	3,108	2.76	433,096	2,830	2.58		
Loans and leases (1):											
Residential mortgage	210,174	1,862	3.55	209,646	1,857	3.54	204,830	1,782	3.48		
Home equity	47,690	593	5.03	50,757	634	4.96	56,952	643	4.56		
U.S. credit card	95,008	2,530	10.80	95,766	2,533	10.49	94,423	2,313	9.93		
Direct/Indirect and other consumer	90,430	821	3.69	91,458	823	3.57	95,292	728	3.10		
Total consumer	443,302	5,806	5.29	447,627	5,847	5.20	451,497	5,466	4.89		
U.S. commercial	316,089	3,349	4.29	308,557	3,203	4.12	299,850	2,717	3.68		
Non-U.S. commercial	101,996	886	3.52	95,937	835	3.45	99,504	738	3.01		
Commercial real estate	60,859	702	4.68	60,876	703	4.59	59,231	587	4.02		
Commercial lease financing	21,774	196	3.60	21,724	182	3.36	21,833	175	3.20		
Total commercial	500,718	5,133	4.15	487,094	4,923	4.01	480,418	4,217	3.56		
Total loans and leases	944,020	10,939	4.69	934,721	10,770	4.58	931,915	9,683	4.20		
Other earning assets	67,667	1,135	6.80	70,869	1,187	6.65	84,345	984	4.72		
Total earning assets(2)	2,011,318	18,323	3.68	1,986,734	17,991	3.60	1,979,832	15,749	3.21		
Cash and due from banks	25,824			26,081			26,275				
Other assets, less allowance for loan and lease losses	323,850			321,771			319,771				
Total assets	\$ 2,360,992			\$ 2,334,586			\$ 2,325,878				

⁽¹⁾ Nonperforming loans are included in the respective average loan balances. Income on these nonperforming loans is generally recognized on a cost recovery basis.
(2) The impact of interest rate risk management derivatives on interest income is presented below. Interest income includes the impact of interest rate risk management contracts, which increased (decreased) interest income on:

	First Quarter 2019		Fourth Quarter 201	8	First Qu	arter 2018		
Federal funds sold and securities borrowed or purchased under agreements to resell	s	(74)	\$	(61)		\$	5	
Debt securities		10		13			(3)	
U.S. commercial loans and leases		(9)		(10)			(9)	
Net hedge expense on assets	s	(73)	\$	(58)		\$	(7)	

Quarterly Average Balances and Interest Rates - Fully Taxable-equivalent Basis (continued)

(Dollars in millions)

	F	irst Q	uarter 2019		F	ourth (Quarter 2018				First Q	uarter 2018	
	Average Balance		Interest Income/ Expense	Yield/ Rate	Average Balance		Interest Income/ Expense	Yield/ Rate		Average Balance		Interest Income/ Expense	Yield/ Rate
Interest-bearing liabilities													
U.S. interest-bearing deposits:													
Savings	\$ 53,573	s	1	0.01 %	\$ 52,523	\$	2	0.01%	\$	54,747	\$	1	0.01 %
NOW and money market deposit accounts	731,025		1,157	0.64	701,697		957	0.54		659,033		406	0.25
Consumer CDs and IRAs	41,791		74	0.72	38,899		48	0.49		41,313		33	0.33
Negotiable CDs, public funds and other deposits	 65,974		367	2.25	62,719		362	2.29		40,639		157	1.56
Total U.S. interest-bearing deposits	892,363		1,599	0.73	855,838		1,369	0.63		795,732		597	0.30
Non-U.S. interest-bearing deposits:													
Banks located in non-U.S. countries	2,387		6	1.02	2,321		7	1.14		2,243		9	1.67
Governments and official institutions	178		_	0.11	275		_	0.04		1,154		_	0.02
Time, savings and other	64,212		190	1.20	64,599		186	1.14		67,334		154	0.92
Total non-U.S. interest-bearing deposits	66,777		196	1.19	 67,195		193	1.14		70,731		163	0.93
Total interest-bearing deposits	 959,140		1,795	0.76	923,033		1,562	0.67		866,463		760	0.36
Federal funds purchased, securities loaned or sold under agreements to repurchase, short-term borrowings and other interest-bearing liabilities	265,163		1,852	2.83	262,497		1,716	2.60	_	279,801		1,135	1.64
Trading account liabilities	45,593		345	3.07	45,329		318	2.79		55,362		357	2.62
Long-term debt	196,726		1,803	3.69	201,056		1,736	3.44		197,787		1,578	3.22
Total interest-bearing liabilities (1)	1,466,622		5,795	1.60	1,431,915		5,332	1.48		1,399,413		3,830	1.11
Noninterest-bearing sources:													
Noninterest-bearing deposits	400,724				421,918					430,805			
Other liabilities (2)	227,429				217,055					230,180			
Shareholders' equity	266,217				263,698					265,480			
Total liabilities and shareholders' equity	\$ 2,360,992				\$ 2,334,586				\$	2,325,878			
Net interest spread				2.08 %				2.12%					2.10%
Impact of noninterest-bearing sources				0.43				0.40					0.32
Net interest income/yield on earning assets(3)		s	12,528	2.51 %	<u> </u>	\$	12,659	2.52%		<u> </u>	\$	11,919	2.42 %

⁽¹⁾ The impact of interest rate risk management derivatives on interest expense is presented below. Interest expense includes the impact of interest rate risk management contracts, which increased (decreased) interest expense on:

	First Quarter 2019	<u> </u>	Fourt	Quarter 2018		First Qu	First Quarter 2018					
Consumer CDs and IRAs	\$	5		\$	6		\$	5				
Negotiable CDs, public funds and other deposits		3			3			3				
Banks located in non-U.S. countries		4			4			5				
Federal funds purchased, securities loaned or sold under agreements to repurchase, short-term borrowings and other interest-bearing liabilities		5			11			29				
Long-term debt		33			(51)			(246)				
Net hedge (income) expense on liabilities	\$	50		\$	(27)	-	\$	(204)				

⁽²⁾ Includes \$31.4 billion, \$29.6 billion and \$31.9 billion of structured notes and liabilities for the first quarter of 2019 and the fourth and first quarters of 2018,

respectively.

(3) Net interest income includes FTE adjustments of \$153 million, \$155 million and \$150 million for the first quarter of 2019 and fourth and first quarters of 2018, respectively.

Debt Securities

(Dollars in millions) March 31, 2019 Gross Gross Amortized Unrealized Unrealized Cost Gains Losses Value Available-for-sale debt securities Mortgage-backed securities: 217 (1,951) 117,165 Agency \$ 118,899 Agency-collateralized mortgage obligations 5,411 35 (67) 5,379 14,489 48 (168) Commercial 14,369 Non-agency residential 1,772 251 (8) 2,015 Total mortgage-backed securities 140,571 551 (2,194) 138,928 U.S. Treasury and agency securities 61,461 261 (698) 61,024 Non-U.S. securities 10,759 5 (2) 10,762 Other taxable securities, substantially all asset-backed securities 3,375 (1) 3,433 Total taxable securities 216,166 876 (2,895) 214,147 148 17,466 Tax-exempt securities 17,360 (42) Total available-for-sale debt securities 233,526 1,024 (2,937) 231,613 Other debt securities carried at fair value 211 10,343 10,152 (20) Total debt securities carried at fair value 1,235 (2,957) 243,678 241,956 Held-to-maturity debt securities, substantially all U.S. agency mortgage-backed securities 198,718 1,949 (2,137) 198,530 Total debt securities 442,396 3,184 (5,094) 440,486 December 31, 2018 Available-for-sale debt securities Mortgage-backed securities: 121.826 \$ 125,116 138 \$ (3,428)Agency-collateralized mortgage obligations 5,621 19 (110) 5,530 Commercial 14,469 11 (402) 14,078 1,917 Non-agency residential 1,792 136 (11) Total mortgage-backed securities 146,998 304 (3,951) 143,351 U.S. Treasury and agency securities 56,239 62 (1,378) 54,923 Non-U.S. securities 9,307 5 (6) 9.306 Other taxable securities, substantially all asset-backed securities 4,387 29 (6) 4,410 Total taxable securities 216,931 400 (5,341) 211,990 17,349 (72) 17,376 99 Tax-exempt securities (5,413) Total available-for-sale debt securities 234,280 499 229,366 Other debt securities carried at fair value 8,595 172 (32) 8,735 Total debt securities carried at fair value 242,875 671 (5,445) 238,101 Held-to-maturity debt securities, substantially all U.S. agency mortgage-backed securities 203,652 747 (3,964) 200,435 Total debt securities 446,527 438,536 1,418 (9,409)

Other Debt Securities Carried at Fair Value

rs in millions)		Iarch 31 2019	De	ecember 31 2018
Mortgage-backed securities	\$	2,651	\$	1,606
U.S. Treasury and agency securities		_		1,282
Non-U.S. securities(1)		7,689		5,844
Other taxable securities, substantially all asset-backed securities		3		3
Total	\$	10,343	\$	8,735

⁽¹⁾ These securities are primarily used to satisfy certain international regulatory liquidity

Supplemental Financial Data

(Dollars in millions)

Fully taxable-equivalent (FTE) basis data ⁽¹⁾	 First Quarter 2019	 Fourth Quarter 2018	 Third Quarter 2018	 Second Quarter 2018		First Quarter 2018
	44.500	40.000		44.000	•	44.040
Net interest income	\$ 12,528	\$ 12,659	\$ 12,212	\$ 11,982	\$	11,919
Total revenue, net of interest expense	23,157	22,832	22,875	22,703		23,220
Net interest yield	2.51 %	2.52%	2.45%	2.41 %		2.42 %
Efficiency ratio	57.10	57.26	56.89	58.25		59.61

⁽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 \$153 million, \$155 million, \$151 million, \$154 million and \$150 million for the first quarter of 2019 and fourth, third, second and first quarters of 2018, respectively.

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

Current period information is preliminary and based on company data available at the time of the presentation.

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Quarterly Results by Business Segment and All Other (Dollars in millions)

		First Quarter 2019									
	Total Corporation		Consumer Banking		GWIM	Global	Banking	Glob	al Markets		All Other
Net interest income	\$ 12,528	\$	7,106	s	1,684	\$	2,790	s	953	\$	(5)
Noninterest income											
Fees and commissions:											
Card income	1,375		1,197		26		131		20		1
Service charges	1,839		1,020		18		713		82		6
Investment and brokerage services	3,360		73		2,842		9		444		(8)
Investment banking fees	1,264	<u></u>	_		80		709		537		(62)
Total fees and commissions	7,838		2,290		2,966		1,562		1,083		(63)
Trading account income	2,338		2		34		50		2,082		170
Other income (loss)	453		234		136		753		63		(733)
Total noninterest income (loss)	10,629	l	2,526		3,136		2,365		3,228		(626)
Total revenue, net of interest expense	23,157		9,632		4,820		5,155		4,181		(631)
Provision for credit losses	1,013		974		5		111		(23)		(54)
Noninterest expense	13,224		4,359		3,426		2,266		2,755		418
Income (loss) before income taxes	8,920		4,299		1,389		2,778		1,449		(995)
Income tax expense (benefit)	1,609		1,053		340		750		413		(947)
Net income (loss)	\$ 7,311	\$	3,246	\$	1,049	\$	2,028	s	1,036	\$	(48)
Average	e 0440**		202.260		164 402		270 100		70.000	•	45.170
Total loans and leases	\$ 944,020	\$	292,269	S	164,403		370,108	S	70,080	\$	47,160
Total assets (1)	2,360,992		769,262		297,123		434,920		664,052		195,635
Total deposits	1,359,864		696,939		261,831		349,037		31,366		20,691
Quarter end	0 045.615		202.454		164.402		252.015		50.052		45.000
Total loans and leases	\$ 945,615	\$	292,454	S	164,483		373,017	s	70,052	\$	45,609
Total assets (1) Total deposits	2,377,164 1,379,337		794,510 721,727		296,785 261,168		436,066 343,897		671,123 31,073		178,680 21,472
					Fourth Qua	rter 2018					
	Total Corporation		Consumer Banking		GWIM	Global	Banking	Glob	al Markets		All Other
Net interest income	\$ 12,659	\$	7,111	\$	1,612	\$	2,849	\$	936	\$	151
		\$	7,111	\$	1,612	\$			936	\$	151
		s	7,111	\$	1,612	\$			936	\$	151
Noninterest income		s	7,111 1,339	\$	1,612	\$			936	\$	151
	\$ 12,659	S		S		\$	2,849			\$	_
Noninterest income Fees and commissions: Card income	\$ 12,659 1,522	S	1,339	\$	34	\$	2,849		20	\$	
Noninterest income Fees and commissions: Card income Service charges	\$ 12,659 1,522 1,931	s	1,339 1,086	\$	34 18	\$	2,849 129 743		20 79	\$	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services	\$ 12,659 1,522 1,931 3,544	s	1,339 1,086	\$	34 18 2,978	\$	2,849 129 743 24		20 79 474	\$	(9) (19)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees	\$ 12,659 1,522 1,931 3,544 1,348	s	1,339 1,086 77 (1)	S	34 18 2,978 94	S	2,849 129 743 24 760		20 79 474 514	\$	— 5 (9) (19) (23)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions	\$ 12,659 1,522 1,931 3,544 1,348 8,345	S	1,339 1,086 77 (1) 2,501	s	34 18 2,978 94 3,124	\$	2,849 129 743 24 760 1,656		20 79 474 514 1,087	\$	5 (9 (19 (23 208
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448	\$	1,339 1,086 77 (1) 2,501	s	34 18 2,978 94 3,124	\$	2,849 129 743 24 760 1,656 75		20 79 474 514 1,087 1,132	\$	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss)	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380	\$	1,339 1,086 77 (1) 2,501 2 349	\$	34 18 2,978 94 3,124 31 271	\$	2,849 129 743 24 760 1,656 75 589		20 79 474 514 1,087 1,132 92	\$	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173	S	1,339 1,086 77 (1) 2,501 2 349 2,852	\$	34 18 2,978 94 3,124 31 271 3,426	\$	2,849 129 743 24 760 1,656 75 589 2,320		20 79 474 514 1,087 1,132 92 2,311	\$	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832	s	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963	\$	34 18 2,978 94 3,124 31 271 3,426 5,038	s	2,849 129 743 24 760 1,656 75 589 2,320 5,169		20 79 474 514 1,087 1,132 92 2,311 3,247	\$	5 (9) (19) (23) 208 (921) (736) (585) (124)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905	S	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915	\$	34 18 2,978 94 3,124 31 271 3,426 5,038 23	s	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85		20 79 474 514 1,087 1,132 92 2,311 3,247 6	s -	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total rouninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense Income (loss) before income taxes	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074	S	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442	\$	34 18 2,978 94 3,124 31 271 3,426 5,038 23	s	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127		20 79 474 514 1,087 1,132 92 2,311 3,247 6	s -	5 (9) (19) (23) 208 (921) (736) (585) (124)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total noninterest income (loss) Total revenue, net of interest expense Provision for credit losses Noninterest expense	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853	s	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606	\$	34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455	s	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957		20 79 474 514 1,087 1,132 92 2,311 3,247 6	s	
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575		1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173		34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370		2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769	s	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178		
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278	<u> </u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433	<u> </u>	34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510		5 (9) (19) (23) (23) (28) (921) (736) (585) (124) (392) (853) (915) (62)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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) before income taxes Income tax expense (benefit) Net income Average Total loans and leases	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278		1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433		34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188	s	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510		5 (9) (19) (23) 208 (921) (736 (585) (124) 392 (853) (915) 62
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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 Average Total loans and leases Total assets (1)	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278	<u> </u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433	<u> </u>	34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188 357,410 440,522	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510		5 (9 (19 (23 208 (921 (736 (585 (124 392 (853 (915 62 53,324
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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 Average Total loans and leases Total assets (1) Total deposits	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278	<u> </u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433	<u> </u>	34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510		5 (9) (19) (23) 208 (921) (736) (585) (124) 392 (853) (915)
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income 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 Average Total loans and leases Total assets (1) Total deposits Quarter end	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278 \$ 934,721 2,334,586 1,344,951	<u>s</u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433 289,862 759,027 686,826		34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085 163,516 283,264 247,427	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188 357,410 440,522 359,642	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510	<u>s</u>	5 (9) (19) (23) 208 (921) (736) (585) (124) 392 (853) (915) 62 53,324 196,704 19,979
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other 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 Average Total loans and leases Total assets (1) Total doans and leases Quarter end Total loans and leases	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278 \$ 934,721 2,334,586 1,344,951 \$ 946,895	<u> </u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433 289,862 759,027 686,826	<u> </u>	34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085		2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188 357,410 440,522 359,642	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510 70,609 655,069 31,077		5 (9) (19) (23) 208 (921) (736) (585) (124) 392 (853) (915) 62 53,324 196,704 19,979
Noninterest income Fees and commissions: Card income Service charges Investment and brokerage services Investment banking fees Total fees and commissions Trading account income Other income (loss) Total rouninterest 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 Average Total loans and leases Total deposits Quarter end	\$ 12,659 1,522 1,931 3,544 1,348 8,345 1,448 380 10,173 22,832 905 13,074 8,853 1,575 \$ 7,278 \$ 934,721 2,334,586 1,344,951	<u>s</u>	1,339 1,086 77 (1) 2,501 2 349 2,852 9,963 915 4,442 4,606 1,173 3,433 289,862 759,027 686,826		34 18 2,978 94 3,124 31 271 3,426 5,038 23 3,560 1,455 370 1,085 163,516 283,264 247,427	<u>s</u>	2,849 129 743 24 760 1,656 75 589 2,320 5,169 85 2,127 2,957 769 2,188 357,410 440,522 359,642	<u>s</u>	20 79 474 514 1,087 1,132 92 2,311 3,247 6 2,553 688 178 510	<u>s</u>	

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

Current period information is preliminary and based on company data available at the time of the presentation.

11

Quarterly Results by Business Segment and All Other (continued)

(Dollars in millions)

		First Quarter 2018								
	Total Corporation		Consumer Banking		GWIM	Glo	bal Banking	Glo	bal Markets	All Other
Net interest income	\$ 11,919	s	6,477	\$	1,584	\$	2,679	\$	1,020	\$ 159
Noninterest income										
Fees and commissions:										
Card income	1,402		1,234		21		128		20	(1)
Service charges	1,921		1,044		19		763		90	5
Investment and brokerage services	3,664		82		3,040		25		488	29
Investment banking fees	1,353				84		744		609	(84)
Total fees and commissions	8,340		2,360		3,164		1,660		1,207	(51)
Trading account income (loss)	2,553		2		29		61		2,557	(96)
Other income (loss)	408		141		79		595		28	(435)
Total noninterest income (loss)	11,301		2,503		3,272		2,316		3,792	(582)
Total revenue, net of interest expense	23,220		8,980		4,856		4,995		4,812	(423)
Provision for credit losses	834		935		38		16		(3)	(152)
Noninterest expense	13,842		4,548		3,580		2,291		2,923	500
Income (loss) before income taxes	8,544		3,497		1,238		2,688		1,892	(771)
Income tax expense (benefit)	1,626		893		316		699		492	(774)
Net income	\$ 6,918	\$	2,604	\$	922	\$	1,989	\$	1,400	\$ 3
Average										
Total loans and leases	\$ 931,915	\$	279,557	\$	159,095	\$	351,689	\$	73,763	\$ 67,811
Total assets (1)	2,325,878		746,647		279,716		421,863		678,354	199,298
Total deposits	1,297,268		674,351		243,077		324,405		32,320	23,115
Quarter end										
Total loans and leases	\$ 934,078	\$	279,055	\$	159,636	\$	355,165	\$	75,638	\$ 64,584
Total assets (1)	2,328,478		774,257		279,332		425,328		648,605	200,956
Total deposits	1,328,664		701,488		241,531		331,238		32,301	22,106

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

Consumer Banking Segment Results

(Dollars in millions)							
	Fir Qua 201	rter	Fourth Quarter 2018	Third Quarter 2018	Second Quarter 2018		First Quarter 2018
Net interest income	s .	7,106	\$ 7,111	\$ 6,844	\$ 6,593	\$	6,477
Noninterest income:							
Card income		1,197	1,339	1,237	1,292		1,234
Service charges		1,020	1,086	1,098	1,072		1,044
All other income		309	427	263	276		225
Total noninterest income		2,526	2,852	2,598	2,640		2,503
Total revenue, net of interest expense		9,632	9,963	9,442	9,233		8,980
Provision for credit losses		974	915	870	944		935
Noninterest expense	<u></u>	4,359	4,442	4,328	4,369		4,548
Income before income taxes		4,299	4,606	4,244	3,920		3,497
Income tax expense	<u></u>	1,053	1,173	 1,081	 999		893
Net income	<u>s</u> :	3,246	\$ 3,433	\$ 3,163	\$ 2,921	\$	2,604
Net interest yield		3.96 %	3.92%	3.77%	3.67%		3.71%
Return on average allocated capital ⁽¹⁾		36	37	34	32		29
Efficiency ratio		45.24	44.58	45.83	47.33		50.64
Balance Sheet							
Average							
Total loans and leases	\$ 29:	2,269	\$ 289,862	\$ 284,994	\$ 280,689	\$	279,557
Total earning assets (2)	72	27,350	719,329	720,643	720,871		707,746
Total assets (2)	769	69,262	759,027	759,665	759,982		746,647
Total deposits	690	06,939	686,826	687,530	687,812		674,351
Allocated capital (1)	3'	7,000	37,000	37,000	37,000		37,000
Period end							
Total loans and leases	\$ 29:	2,454	\$ 294,335	\$ 287,277	\$ 283,565	\$	279,055
Total earning assets (2)	75.	52,620	728,813	726,486	729,029		735,241
Total assets (2)	79-	04,510	768,881	765,498	768,188		774,257
Total deposits	72	21,727	696,146	692,770	695,530		701,488

⁽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.

Consumer Banking Key Indicators

(Dollars in millions)	_	First Quarter 2019		Fourth Quarter 2018			Third Quarter 2018	Quarter		Second Quarter 2018	
Average deposit balances											
Checking	s	364,90	8	\$	356,609	\$	354,013	\$	351,686	\$	341,204
Savings		51,29	4		50,968		52,306		54,052		53,068
MMS		242,46	0	:	241,576		243,064		242,841		239,714
CDs and IRAs		35,56	6		34,831		35,225		36,173		37,366
Other	<u> </u>	2,71	1		2,842	_	2,922	_	3,060	_	2,999
Total average deposit balances	<u>s</u>	696,93	9	\$ (686,826	\$	687,530	\$	687,812	\$	674,351
Deposit spreads (excludes noninterest costs)											
Checking			1 %		2.23%		2.18%		2.13%		2.08 %
Savings		2.5			2.49		2.45		2.40		2.37
MMS		2.4			2.29		2.15		2.00		1.85
CDs and IRAs		2.4			2.40		2.22		2.02		1.73
Other Total deposit spreads		2.7			2.61		2.47 2.19		2.16		1.73 2.00
Consumer Investment Assets	s	210,93	0	\$	185,881	\$	203,882	\$	191,472	\$	182,110
Active digital banking users (units in thousands)(1)		37,03	4		36,264		36,174		35,722		35,518
Active mobile banking users (units in thousands)		27,12	7		26,433		25,990		25,335		24,801
Financial centers		4,35	3		4,341		4,385		4,433		4,452
ATMs		16,37	8		16,255		16,089		16,050		16,011
Total U.S. credit card ⁽²⁾											
Loans											
Average credit card outstandings	s	95,00	8	\$	95,766	\$	94,710	\$	93,531	\$	94,423
Ending credit card outstandings		93,00	9		98,338		94,829		94,790		93,014
Credit quality											
Net charge-offs	S	74	5	\$	699	\$	698	\$	739	\$	701
			8%		2.90%		2.92 %		3.17%		3.01 %
30+ delinquency	\$			\$	1,989	\$	1,805	\$	1,695	\$	1,795
			8%		2.02%		1.90%		1.79%		1.93 %
90+ delinquency	s		5 8%	\$	994 1.01%	\$	872 0.92 %	\$	865 0.91%	\$	925 0.99%
Other Total U.S. credit card indicators ⁽²⁾											
Gross interest yield		10.8	0%		10.49%		10.20%		9.86%		9.93 %
Risk-adjusted margin		8.0	3		8.73		8.08		7.96		8.22
New accounts (in thousands)		1,03	4		1,048		1,116		1,186		1,194
Purchase volumes	s	62,75	1	\$	70,048	\$	66,490	\$	66,821	\$	61,347
<u>Debit card data</u>											
Purchase volumes	s	78,49	4	\$	81,893	\$	79,920	\$	80,697	\$	76,052
Loan production (3)											
Total (4):											
First mortgage	S	11,46	0	\$	9,417	\$	10,682	\$	11,672	\$	9,424
Home equity		2,82	5		3,640		3,399		4,081		3,749
Consumer Banking:											
First mortgage	S	8,15	5	\$	6,227	\$	7,208	\$	7,881	\$	5,964
Home equity		2,48	5		3,209		3,053		3,644		3,345

⁽¹⁾ Digital users represents mobile and/or online

⁽¹⁾ Digital users represents mobile and/or online users.
(2) In addition to the U.S. credit card portfolio in Consumer Banking, the remaining U.S. credit card portfolio is in GWIM.
(3) The above 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.

Consumer Banking Quarterly Results

Consumer	Danking	Quarterly	Kesuits
(Dollars in millions)			

		First Quarter 2019							Fourth	Quarter 2018			
	To	tal Consumer Banking	De	posits		Consumer Lending		al Consumer Banking		Deposits		Consumer Lending	
Net interest income	s	7,106	s	4,307	\$	2,799	\$	7,111	s	4,280	s	2,831	
Noninterest income:													
Card income		1,197		(7)		1,204		1,339		(8)		1,347	
Service charges		1,020		1,020		_		1,086		1,084		2	
All other income		309		232		77		427		255		172	
Total noninterest income		2,526		1,245		1,281		2,852		1,331		1,521	
Total revenue, net of interest expense		9,632		5,552		4,080		9,963		5,611		4,352	
Provision for credit losses		974		46		928		915		60		855	
Noninterest expense		4,359		2,640		1,719		4,442		2,669		1,773	
Income before income taxes		4,299		2,866		1,433		4,606		2,882		1,724	
Income tax expense		1,053		702		351		1,173		734		439	
Net income	<u>s</u>	3,246	<u>s</u>	2,164	\$	1,082	\$	3,433	\$	2,148	\$	1,285	
Net interest yield		3.96%		2.52 %		3.95%		3.92%		2.48%		3.94%	
Return on average allocated capital (1)		36		73		18		37		71		20	
Efficiency ratio		45.24		47.54		42.12		44.58		47.56		40.74	
Balance Sheet													
Average													
Total loans and leases	s	292,269	s	5,313	\$	286,956	s	289,862	s	5,302	s	284,560	
Total earning assets (2)		727,350		693,051		287,259		719,329		684,600		284,920	
Total assets (2)		769,262		724,493		297,729		759,027		713,679		295,539	
Total deposits		696,939		692,172		4,767		686,826		681,478		5,348	
Allocated capital (1)		37,000		12,000		25,000		37,000		12,000		25,000	
Period end													
Total loans and leases	s	292,454	s	5,283	\$	287,171	\$	294,335	\$	5,470	s	288,865	
Total earning assets (2)		752,620		717,753		287,661		728,813		694,672		289,249	
Total assets (2)		794,510		748,742		298,562		768,881		724,019		299,970	
Total deposits		721,727		716,345		5,382		696,146		691,666		4,480	

			First Quarter 2018					
		Consumer anking	D	eposits		Consumer Lending		
Net interest income	\$	6,477	\$	3,712	s	2,765		
Noninterest income:								
Card income		1,234		(7)		1,241		
Service charges		1,044		1,044		_		
All other income		225		130		95		
Total noninterest income		2,503		1,167		1,336		
Total revenue, net of interest expense		8,980		4,879		4,101		
Provision for credit losses		935		41		894		
Noninterest expense		4,548	_	2,720		1,828		
Income before income taxes		3,497		2,118		1,379		
Income tax expense		893		541		352		
Net income	\$	2,604	\$	1,577	\$	1,027		
Net interest yield		3.71%		2.23%		4.08%		
Return on average allocated capital (1)		29		53		17		
Efficiency ratio		50.64		55.75		44.57		
Balance Sheet								
Average								
Total loans and leases	\$	279,557	\$	5,170	\$	274,387		
Total earning assets (2)		707,746		673,633		274,748		
Total assets (2)		746,647		701,418		285,864		
Total deposits		674,351		668,983		5,368		

Allocated capital (1)	37,000	12,000	25,000
Period end			
Total loans and leases	\$ 279,055	\$ 5,111	\$ 273,944
Total earning assets (2)	735,241	700,415	274,977
Total assets (2)	774,257	728,065	286,343
Total deposits	701,488	695,514	5,974

⁽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 froatil 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.

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

Current period information is preliminary and based on company data available at the time of the presentation.

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Global Wealth & Investment Management Segment Results

(Dollars in millions)		First	Fourth		Third		Second	First		
		Quarter 2019	Quarter 2018		Quarter 2018		Quarter 2018	Quarter 2018		
Net interest income	<u>s</u>	1,684	\$ 1,612	\$	1,531	\$	1,538	\$	1,584	
Noninterest income:										
Investment and brokerage services		2,842	2,978		3,004		2,937		3,040	
All other income		294	448		282		267		232	
Total noninterest income		3,136	3,426		3,286	Ξ	3,204		3,272	
Total revenue, net of interest expense		4,820	5,038		4,817		4,742		4,856	
Provision for credit losses		5	23		13		12		38	
Noninterest expense		3,426	3,560		3,440		3,426		3,580	
Income before income taxes		1,389	1,455		1,364		1,304		1,238	
Income tax expense		340	370		348		332		316	
Net income	<u>\$</u>	1,049	\$ 1,085	\$	1,016	\$	972	\$	922	
Net interest yield		2.40 %	2.41	%	2.37%		2.42%		2.44%	
Return on average allocated capital(1)		29	30		28		27		26	
Efficiency ratio		71.07	70.65		71.43		72.23		73.74	
Balance Sheet										
Average										
Total loans and leases	\$	164,403	\$ 163,516	\$	161,869	\$	160,833	\$	159,095	
Total earning assets (2)		285,033	265,039		256,286		255,147		262,776	
Total assets (2)		297,123	283,264		273,582		272,318		279,716	
Total deposits		261,831	247,427		238,291		236,214		243,077	
Allocated capital (1)		14,500	14,500		14,500		14,500		14,500	
Period end										
Total loans and leases	\$	164,483	\$ 164,854	\$	162,191	\$	162,034	\$	159,636	
Total earning assets (2)		284,470	287,199		258,562		253,912		262,431	
Total assets (2)		296,785	305,907		276,146		270,915		279,332	
Total deposits		261,168	268,700		239,654		233,925		241,531	

⁽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.

Global Wealth & Investment Management Key Indicators

(Dollars in millions, except as noted)									
	_	First Quarter 2019	Fourth Quarter 2018		Third Quarter 2018		Second Quarter 2018	 First Quarter 2018	
Revenue by Business									
Merrill Lynch Global Wealth Management	s	3,965	\$ 4,153	\$	3,951	\$	3,887	\$ 3,996	
Bank of America Private Bank(1)		855	875		866		854	860	
Other		_	10		_		1	_	
Total revenue, net of interest expense	<u>s</u>	4,820	\$ 5,038	\$	4,817	\$	4,742	\$ 4,856	
Client Balances by Business, at period end									
Merrill Lynch Global Wealth Management	\$	2,384,492	\$ 2,193,562	\$	2,385,479	\$	2,311,598	\$ 2,284,803	
Bank of America Private Bank		452,477	 427,294		455,894		442,608	 440,683	
Total client balances	\$	2,836,969	\$ 2,620,856	\$	2,841,373	\$	2,754,206	\$ 2,725,486	
Client Balances by Type, at period end									
Assets under management(2)	\$	1,126,255	\$ 1,021,221	\$	1,144,375	\$	1,101,001	\$ 1,084,717	
Brokerage and other assets		1,282,091	1,162,997		1,292,219		1,254,135	1,236,799	
Deposits		261,168	268,700		239,654		233,925	241,531	
Loans and leases (3)		167,455	 167,938		165,125		165,145	 162,439	
Total client balances	\$	2,836,969	\$ 2,620,856	\$	2,841,373	\$	2,754,206	\$ 2,725,486	
Assets Under Management Rollforward									
Assets under management, beginning balance	\$	1,021,221	\$ 1,144,375	\$	1,101,001	\$	1,084,717	\$ 1,080,747	
Net client flows		13,473	(6,181)		7,572		10,775	24,240	
Market valuation/other		91,561	(116,973)		35,802		5,509	 (20,270)	
Total assets under management, ending balance	\$	1,126,255	\$ 1,021,221	\$	1,144,375	\$	1,101,001	\$ 1,084,717	
Associates, at period end (4)									
Number of financial advisors		17,534	17,518		17,456		17,442	17,367	
Total wealth advisors, including financial advisors		19,523	19,459		19,343		19,350	19,276	
Total primary sales professionals, including financial advisors and wealth advisors		20,656	20,586		20,466		20,451	20,405	
Merrill Lynch Global Wealth Management Metric									
Financial advisor productivity ⁽⁵⁾ (in thousands)	\$	1,039	\$ 1,046	\$	1,035	\$	1,017	\$ 1,038	
Bank of America Private Bank Metric, at period end									
Primary sales professionals		1,795	1,748		1,711		1,723	1,738	

⁽¹⁾ Previously known as U.S.
Trust.
(2) Defined as managed assets under advisory and/or discretion of GWIM.
(3) Includes margin receivables which are classified in customer and other receivables on the Consolidated Balance Sheet.
(4) Includes financial advisors in the Consumer Banking segment of 2,773, 2,722, 2,618, 2,622 and 2,538 at March 31, 2019, December 31, 2018, September 30, 2018, June 30, 2018 and March 31, 2018, respectively respectively.

(5) Financial advisors (excluding financial advisors in the Consumer Banking segment).

Global Banking Segment Results

(Dollars in millions)								
	First Quarter 2019		Fourth Quarter 2018	Third Quarter 2018		Second Quarter 2018		First Quarter 2018
Net interest income	\$ 2,790	\$	2,849	\$ 2,726	\$	2,739	\$	2,679
Noninterest income:								
Service charges	713		743	753		768		763
Investment banking fees	709		760	644		743		744
All other income	943		817	700		764		809
Total noninterest income	2,365		2,320	2,097		2,275		2,316
Total revenue, net of interest expense	5,155		5,169	4,823		5,014		4,995
Provision for credit losses	111		85	(70)		(23)		16
Noninterest expense	2,266		2,127	2,142		2,185		2,291
Income before income taxes	2,778		2,957	2,751		2,852		2,688
Income tax expense	750		769	714		741		699
Net income	\$ 2,028	\$	2,188	\$ 2,037	\$	2,111	\$	1,989
Net interest yield	2.98 %		2.99%	2.99%		3.01%		3.00%
Return on average allocated capital ⁽¹⁾	20		21	20		21		20
Efficiency ratio	43.96		41.15	44.42		43.57		45.87
Balance Sheet								
Average								
Total loans and leases	\$ 370,108	\$	357,410	\$ 352,712	\$	355,088	\$	351,689
Total earning assets (2)	380,308		378,163	362,316		364,587		361,822
Total assets (2)	434,920		440,522	423,643		424,540		421,863
Total deposits	349,037		359,642	337,685		323,215		324,405
Allocated capital (1)	41,000		41,000	41,000		41,000		41,000
Period end								
Total loans and leases	\$ 373,017	\$	365,717	\$ 352,332	\$	355,473	\$	355,165
Total earning assets (2)	381,490		377,812	368,095		364,428		365,895
Total assets (2)	436,066		442,330	430,846		426,448		425,328
Total deposits	343,897		360,248	350,748		326,029		331,238

⁽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.

Global Banking Key Indicators

(Dollars in millions)								
		First		Fourth		Third	Second	First
		Quarter 2019		Quarter 2018		Quarter 2018	Quarter 2018	Quarter 2018
Investment Banking fees (1)							,	
Advisory (2)	\$	303	\$	370	\$	237	\$ 269	\$ 276
Debt issuance		327		309		295	367	356
Equity issuance		79		81		112	107	112
Total Investment Banking fees(3)	\$	709	\$	760	\$	644	\$ 743	\$ 744
Business Lending								
Corporate	s	1,045	\$	1,051	\$	987	\$ 1,120	\$ 1,076
Commercial		1,034		1,066		1,025	973	975
Business Banking		94		96		99	99	98
Total Business Lending revenue	s	2,173	\$	2,213	\$	2,111	\$ 2,192	\$ 2,149
Global Transaction Services								
Corporate	\$	1,007	\$	1,004	\$	951	\$ 956	\$ 921
Commercial		891		872		832	829	813
Business Banking		266		266		248	241	232
Total Global Transaction Services revenue	<u>s</u>	2,164	\$	2,142	\$	2,031	\$ 2,026	\$ 1,966
Average deposit balances								
Interest-bearing	\$	174,924	\$	163,465	\$	140,126	\$ 120,427	\$ 113,312
Noninterest-bearing		174,113		196,177		197,559	202,788	211,093
Total average deposits	\$	349,037	\$	359,642	\$	337,685	\$ 323,215	\$ 324,405
Loan spread		1.44 %		1.43 %		1.48%	1.54%	1.53%
Provision for credit losses	\$	111	\$	85	\$	(70)	\$ (23)	\$ 16
Credit quality (4, 5)								
Reservable criticized utilized exposure	\$	10,308	\$	9,488	\$	10,065	\$ 10,482	\$ 11,865
	·	2.62 %		2.43 %		2.68%	2.77%	3.13%
Nonperforming loans, leases and foreclosed properties	\$	1,087	s	1,004	\$	746	\$ 1,133	\$ 1,286
		0.29 %		0.28%		0.21%	0.32%	0.36%
Average loans and leases by product								
U.S. commercial	S	214,642	\$	206,350	\$	201,372	\$ 202,879	\$ 200,726
Non-U.S. commercial		82,663		77,818		78,255	79,390	78,716
Commercial real estate		50,517		50,974		51,252	50,745	49,777
Commercial lease financing		22,286		22,266		21,831	22,069	22,469
Other		_		2		2	5	1
Total average loans and leases	<u>s</u>	370,108	\$	357,410	\$	352,712	\$ 355,088	\$ 351,689
Total Corporation Investment Banking fees								
Advisory (2)	s	343	\$	397	\$	262	\$ 303	\$ 296
Debt issuance		748		699		684	874	827
Equity issuance		234		272		307	290	314
Total investment banking fees including self-led deals		1,325		1,368		1,253	1,467	1,437
Self-led deals		(61)		(20)	_	(49)	(45)	(84)
Total Investment Banking fees	<u>s</u>	1,264	\$	1,348	\$	1,204	\$ 1,422	\$ 1,353

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

⁽¹⁾ Investment banking fees represent total investment banking fees forGlobal 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 inGlobal 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.
(5) 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.

Global Markets Segment Results

(Dollars in millions)					 			
		First Quarter 2019	Q	ourth uarter 2018	Third Quarter 2018		Second Quarter 2018	First Quarter 2018
Net interest income	s	953	\$	936	\$ 933	\$	968	\$ 1,020
Noninterest income:								
Investment and brokerage services		444		474	388		430	488
Investment banking fees		537		514	522		651	609
Trading account income		2,082		1,132	1,551		2,020	2,557
All other income		165		191	479		182	138
Total noninterest income		3,228		2,311	 2,940		3,283	 3,792
Total revenue, net of interest expense ⁽¹⁾		4,181		3,247	3,873		4,251	4,812
Provision for credit losses		(23)		6	(2)		(1)	(3)
Noninterest expense		2,755		2,553	2,633		2,726	2,923
Income before income taxes		1,449		688	1,242		1,526	1,892
Income tax expense		413		178	323		397	492
Net income	<u>\$</u>	1,036	\$	510	\$ 919	\$	1,129	\$ 1,400
Return on average allocated capital ⁽²⁾		12%		6%	10%		13%	16%
Efficiency ratio		65.91		78.58	68.00		64.15	60.75
Balance Sheet								
Average								
Total trading-related assets	s	474,303	\$	463,998	\$ 460,279	\$	473,126	\$ 463,169
Total loans and leases		70,080		70,609	71,231		75,053	73,763
Total earning assets		472,414		458,331	459,073		490,482	486,107
Total assets		664,052		655,069	652,481		678,501	678,354
Total deposits		31,366		31,077	30,721		30,736	32,320
Allocated capital (2)		35,000		35,000	35,000		35,000	35,000
Period end								
Total trading-related assets	\$	485,637	\$	447,998	\$ 456,643	\$	441,657	\$ 450,512
Total loans and leases		70,052		73,928	73,023		73,496	75,638
Total earning assets		470,700		457,224	447,304		454,706	478,857
Total assets		671,123		641,923	646,359		637,110	648,605
Total deposits		31,073		37,841	41,102		31,450	32,301
Trading-related assets (average)								
Trading account securities	\$	225,254	\$	225,335	\$ 215,397	\$	209,271	\$ 210,278
Reverse repurchases		122,753		119,341	124,842		132,257	123,948
Securities borrowed		84,343		75,374	74,648		83,282	82,376
Derivative assets		41,953		43,948	 45,392	_	48,316	 46,567
Total trading-related assets	\$	474,303	\$	463,998	\$ 460,279	\$	473,126	\$ 463,169

⁽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 21.
(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.

Global Markets Key Indicators

(Dollars in millions)											
	_	First Quarter 2019		Fourth Quarter 2018			Third Quarter 2018		Second Quarter 2018		First Quarter 2018
Sales and trading revenue ⁽¹⁾											
Fixed-income, currencies and commodities	S	\$	2,279	\$	1,517	\$	1,989	\$	2,132	\$	2,633
Equities			1,181		1,071		998		1,319		1,512
Total sales and trading revenue	<u>s</u>	\$	3,460	\$	2,588	\$	2,987	\$	3,451	\$	4,145
	_										
Sales and trading revenue, excluding net debit valuation adjustment ⁽²⁾											
Fixed-income, currencies and commodities	\$	\$	2,358	\$	1,472	\$	2,069	\$	2,316	\$	2,556
Equities			1,192		1,064		1,017		1,314		1,525
Total sales and trading revenue, excluding net debit valuation adjustment	\$	\$	3,550	\$	2,536	\$	3,086	\$	3,630	\$	4,081
	_										
Sales and trading revenue breakdown											
Net interest income	s	s	750	\$	806	\$	813	\$	842	\$	895
Commissions			433		463		378		420		476
Trading		2,081			1,131		1,550		2,020		2,556
Other		196			188		246		169		218
Total sales and trading revenue	s	\$ 3,460		\$	2,588	\$	2,987	\$	3,451	\$	4,145
	_			_		_				_	

⁽¹⁾ Includes Global Banking sales and trading revenue of \$115 million, \$126 million, \$51 million, \$79 million and \$165 million for the first quarter of 2019 and the fourth, third, second and first quarters of 2018,

⁽¹⁾ Includes Global Banking sales and trading revenue 05115 million, 5120 million, 517 million, 517 million, 517 million, 517 million and 518 million to the second 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.

All Other Results (1)

(Dollars in millions)	First Quarter 2019			Fourth Quarter 2018	Third Quarter 2018	Second Quarter 2018	First Quarter 2018
Net interest income	\$	(5)	s	151	\$ 178	\$ 144	\$ 159
Noninterest income (loss)		(626)		(736)	(258)	(681)	(582)
Total revenue, net of interest expense		(631)		(585)	(80)	(537)	(423)
Provision for credit losses		(54)		(124)	(95)	(105)	(152)
Noninterest expense		418		392	471	518	500
Loss before income taxes		(995)		(853)	(456)	(950)	(771)
Income tax expense (benefit)		(947)		(915)	(488)	(601)	(774)
Net income (loss)	\$	(48)	\$	62	\$ 32	\$ (349)	\$ 3
Balance Sheet							
Average							
Total loans and leases	\$	47,160	\$	53,324	\$ 59,930	\$ 63,155	\$ 67,811
Total assets (2)		195,635		196,704	208,458	187,337	199,298
Total deposits		20,691		19,979	22,118	22,682	23,115
Period end							
Total loans and leases	\$	45,609	\$	48,061	\$ 54,978	\$ 61,256	\$ 64,584
Total assets (3)		178,680		195,466	219,984	189,009	200,956
Total deposits		21,472		18,541	21,375	22,757	22,106

⁽¹⁾ All Other consists of 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 6542.4 billion, \$525.6 billion, \$516.3 billion, \$519.6 billion and \$514.6 billion for the first quarter of 2019 and fourth, third, second and first quarters of 2018, respectively.

(3) Includes elimination of segments' excess asset allocations to match liabilities (i.e., deposits) and allocated shareholders' equity 6566.8 billion, \$540.8 billion, \$529.8 billion, \$522.2 billion and \$543.3 billion at March 31, 2019, December 31, 2018, September 30, 2018, June 30, 2018 and March 31, 2018, respectively.

Outstanding Loans and Leases

Dollars in millions)	March 31 2019		December 31 2018		March 31 2018						
onsumer											
Residential mortgage	\$ 212,023	\$	208,557	\$	204,112						
Home equity	46,241		48,286		55,308						
U.S. credit card	93,009		98,338		93,014						
Direct/Indirect consumer (1)	89,548		91,166		93,942						
Other consumer (2)	152		202		131						
Total consumer loans excluding loans accounted for under the fair value option	440,973		446,549		446,507						
Consumer loans accounted for under the fair value option(3)	668		682		894						
Total consumer	441,641		447,231		447,401						
ommercial											
U.S. commercial	300,399		299,277		288,476						
Non-U.S. commercial	101,029		98,776		97,365						
Commercial real estate ⁽⁴⁾	61,215		60,845		60,085						
Commercial lease financing	21,196		22,534		21,764						
	483,839		481,432		467,690						
U.S. small business commercial ⁽⁵⁾	14,616		14,565		14,565		14,565		14,565		13,892
Total commercial loans excluding loans accounted for under the fair value option	498,455		495,997		481,582						
Commercial loans accounted for under the fair value option(3)	5,519		3,667		5,095						
Total commercial	503,974		499,664		486,677						
Total loans and leases	\$ 945,615	s	946,895	s	934,078						

⁽¹⁾ Includes auto and specialty lending loans and leases of \$49.9 billion, \$50.1 billion and \$51.8 billion, unsecured consumer lending loans of \$35.8 billion, \$38.3 million and \$42.8 million, U.S. securities-based lending loans of \$35.8 billion, \$37.0 billion and \$38.1 billion, non-U.S. consumer loans of \$2.8 billion, \$2.9 billion and \$2.9 billion and \$42.9 billion and

products.

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

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⁽²⁾ Substantially all of other consumer is consumer in consumer is consumer in consumer is consumer in consumer in consumer in consumer is consumer in consumer in

Quarterly Average Loans and Leases by Business Segment and All Other (Dollars in millions)

							ter 20				
	Co	Total rporation		Consumer Banking		First Quar		Global Banking		Global Markets	All Other
Consumer											
Residential mortgage	s	210,174	\$	93,881	s	76,822	\$	_	\$	_	\$ 39,471
Home equity		47,690		35,816		3,575		_		348	7,951
U.S. credit card		95,008		92,213		2,795		_		_	_
Direct/Indirect and other consumer		90,430		50,602		39,824		_		_	4
Total consumer		443,302		272,512		123,016		_		348	47,426
Commercial											
U.S. commercial		316,089		19,744		37,727		214,642		43,766	210
Non-U.S. commercial		101,996		_		107		82,663		19,198	28
Commercial real estate		60,859		13		3,550		50,517		6,768	11
Commercial lease financing		21,774		_		3		22,286		_	(515)
Total commercial		500,718		19,757		41,387		370,108		69,732	(266)
Total loans and leases	s	944,020	\$	292,269	s	164,403	\$	370,108	s	70,080	\$ 47,160
						Fourth Qua	rter 20	18			
	С	Total orporation		Consumer Banking		GWIM		Global Banking		Global Markets	All Other
Consumer											
Residential mortgage	\$	209,646	\$	90,307	\$	75,895	\$	2	\$	4	\$ 43,438
Home equity		50,757		36,664		3,652		_		345	10,096
U.S. credit card		95,766		92,752		3,014		_		_	_
Direct/Indirect and other consumer		91,458		50,692		40,762		_		_	4
Total consumer		447,627		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		95,937		_		113		77,818		17,939	67
Commercial real estate		60,876		14		3,550		50,974		6,329	9
Commercial lease financing		21,724		_		3		22,266		_	(545)
Total commercial		487,094		19,447		40,193		357,408		70,260	(214)
Total loans and leases	\$	934,721	s	289,862	\$	163,516	\$	357,410	\$	70,609	\$ 53,324
		T . 1				First Quar	ter 201			GL L L	4.11
	C	Total orporation		Consumer Banking		GWIM		Global Banking		Global Markets	 All Other
Consumer											
Residential mortgage	\$	204,830	\$	77,265	\$	72,587	\$	_	\$	_	\$ 54,978
Home equity		56,952		39,407		3,997		_		362	13,186
U.S. credit card		94,423		91,372		3,051		_		_	_
Direct/Indirect and other consumer		95,292		52,867		42,419		1			 5
Total consumer		451,497		260,911		122,054		1		362	68,169
Commercial											
U.S. commercial		299,850		18,626		33,333		200,726		46,933	232
Non-U.S. commercial		99,504		_		27		78,716		20,737	24
Commercial real estate		59,231		20		3,678		49,777		5,731	25
Commercial lease financing		21,833				3		22,469			 (639)
Commercial reaso manering											
Total commercial		480,418		18,646		37,041		351,688		73,401	 (358)

Commercial Credit Exposure by Industry (1, 2, 3, 4)

(Dollars in millions)

			Commercial Utilized	1	Total Commercial Committed								
		March 31 2019	December 31 2018	March 31 2018	March 31 2019	December 31 2018	March 31 2018						
Asset managers and funds	s	67,300	\$ 71,756	\$ 70,819	\$ 104,843	\$ 107,888	\$ 103,466						
Real estate(5)		66,568	65,328	64,507	87,529	86,514	88,750						
Capital goods		38,628	39,192	39,560	73,686	75,080	73,650						
Finance companies		36,432	36,662	31,984	57,199	56,659	52,392						
Healthcare equipment and services		36,095	35,763	37,456	56,488	56,489	58,960						
Government and public education		42,950	43,675	47,499	54,321	54,749	57,269						
Materials		28,203	27,347	26,213	52,286	51,865	50,569						
Retailing		25,943	25,333	25,679	45,945	47,507	45,241						
Food, beverage and tobacco		23,978	23,586	22,351	43,153	42,745	44,620						
Consumer services		25,514	25,702	27,160	42,788	43,298	43,005						
Commercial services and supplies		21,549	22,623	22,686	38,768	39,349	36,387						
Energy		14,643	13,727	15,888	32,842	32,279	35,564						
Transportation		23,519	22,814	21,652	32,099	31,523	30,121						
Global commercial banks		28,262	26,269	28,142	30,535	28,321	30,218						
Utilities		12,208	12,035	11,515	30,146	27,623	28,639						
Individuals and trusts		18,628	18,643	19,276	25,159	25,019	25,161						
Technology hardware and equipment		11,514	13,014	10,116	24,398	26,228	21,691						
Media		11,676	12,132	13,089	23,641	24,502	36,778						
Vehicle dealers		18,100	17,603	16,621	21,168	20,446	20,409						
Software and services		9,658	8,809	7,971	20,727	19,172	20,757						
Pharmaceuticals and biotechnology		6,638	7,430	4,785	18,660	23,634	20,116						
Consumer durables and apparel		9,870	9,904	9,286	18,625	20,199	18,535						
Telecommunication services		8,695	8,686	6,234	16,158	14,166	12,823						
Automobiles and components		7,632	7,131	7,097	14,143	13,893	13,993						
Insurance		5,841	8,674	6,230	13,834	15,807	12,853						
Food and staples retailing		5,982	4,787	5,298	9,733	9,093	11,452						
Religious and social organizations		4,061	3,757	3,823	6,077	5,620	5,697						
Financial markets infrastructure (clearinghouses)		1,776	2,382	1,499	3,491	4,107	3,261						
Other		6,067	6,249	5,252	6,067	6,241	5,247						
Total commercial credit exposure by industry	\$	617,930	\$ 621,013	\$ 609,688	\$ 1,004,509	\$ 1,010,016	\$ 1,007,624						

⁽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 \$32.5 billion, \$32.4 billion and \$36.5 billion at March 31, 2019, December 31, 2018 and March 31, 2019, December 31, 2018 and March 31, 2018, respectively. Not reflected in utilized and committed exposure is additional non-cash derivative collateral held of \$28.9 billion, \$33.0 billion and \$36.9 billion, which consists primarily of other marketable securities, aMarch 31, 2019, December 31, 2018 and March 31, 2018, respectively.

(2) Total utilized and total committed exposure includes loans of \$5.5 billion, \$3.7 billion and \$5.1 billion and \$5.1 billion and \$5.1 billion and \$5.1 billion and \$5.2 billion, \$5.2

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.

Top 20 Non-U.S. Countries Exposure

(Dollars in millions)	Funded Loans and Loan Equivalents (1)	Unfunded Loan Commitments	Net Counterparty Exposure	Securities/ Other Investments (2)	Country Exposure at March 31 2019	Hedges and Credit Default Protection (3)	Net Country Exposure at March 31 2019 ⁽⁴⁾	Increase (Decrease) from December 31 2018
United Kingdom	\$ 33,105	\$ 16,444	\$ 7,001	\$ 1,681	\$ 58,231	\$ (4,491)	\$ 53,740	\$ (1,114)
Germany	23,747	10,421	2,167	955	37,290	(3,338)	33,952	5,295
Japan	17,976	816	1,693	940	21,425	(1,298)	20,127	104
Canada	7,453	7,012	1,304	2,286	18,055	(821)	17,234	(2,281)
China	11,692	770	714	1,276	14,452	(265)	14,187	(454)
France	7,262	5,673	1,246	2,310	16,491	(3,800)	12,691	40
India	7,725	363	422	4,049	12,559	(166)	12,393	1,281
Brazil	7,071	589	203	4,065	11,928	(291)	11,637	1,388
Australia	6,467	3,605	329	1,435	11,836	(409)	11,427	1,497
South Korea	5,690	588	765	1,994	9,037	(217)	8,820	(350)
Netherlands	6,708	2,611	468	392	10,179	(1,549)	8,630	(2,947)
Switzerland	4,933	3,359	307	136	8,735	(1,160)	7,575	(189)
Hong Kong	5,598	268	446	1,227	7,539	(39)	7,500	264
Mexico	4,028	1,319	100	1,079	6,526	(174)	6,352	116
Belgium	4,784	1,008	110	650	6,552	(328)	6,224	646
Singapore	3,373	160	142	2,333	6,008	(57)	5,951	434
Spain	3,968	1,325	141	765	6,199	(1,583)	4,616	(34)
Italy	2,389	1,511	505	774	5,179	(1,512)	3,667	586
United Arab Emirates	3,247	257	98	118	3,720	(53)	3,667	18
Ireland	1,475	1,079	90	129	2,773	(62)	2,711	550
Total top 20 non-U.S. countries exposure (1) Includes loans leases, and other extensions of	\$ 168,691	\$ 59,178	\$ 18,251	\$ 28,594	\$ 274,714	\$ (21,613)	\$ 253,101	\$ 4,850

⁽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.

3 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)										
	1	March 31 2019	De	ecember 31 2018	Sep	otember 30 2018		June 30 2018	M	larch 31 2018
Residential mortgage	s	1,773	\$	1,893	\$	2,034	\$	2,140	\$	2,262
Home equity		1,751		1,893		2,226		2,452		2,598
Direct/Indirect consumer		54		56		46		47		46
Total consumer		3,578		3,842		4,306		4,639		4,906
U.S. commercial		870		794		699		881		1,059
Non-U.S. commercial		80		80		31		170		255
Commercial real estate		213		156		46		117		73
Commercial lease financing		52		18		14		34		27
		1,215		1,048		790		1,202		1,414
U.S. small business commercial		57		54		58		56		58
Total commercial		1,272		1,102		848		1,258		1,472
Total nonperforming loans and leases		4,850		4,944		5,154		5,897		6,378
Foreclosed properties (1)		295	_	300		295		284		316
Total nonperforming loans, leases and foreclosed properties(2, 3, 4)	<u>s</u>	5,145	\$	5,244	\$	5,449	\$	6,181	\$	6,694
Fully-insured home loans past due 30 days or more and still accruing	s	2,390	\$	2,790	\$	3,183	s	3,454	\$	3,915
Consumer credit card past due 30 days or more and still accruing		1,932		1,989		1,805		1,695		1,795
Other loans past due 30 days or more and still accruing		2,905	_	3,539		3,255		3,682		3,684
Total loans past due 30 days or more and still accruing ^(3, 5, 6)	<u>s</u>	7,227	\$	8,318	\$	8,243	\$	8,831	\$	9,394
Fully-insured home loans past due 90 days or more and still accruing	s	1,593	\$	1,884	\$	2,161	s	2,483	\$	2,885
Consumer credit card past due 90 days or more and still accruing		1,005		994		872		865		925
Other loans past due 90 days or more and still accruing		181		352		256		341		234
Total loans past due 90 days or more and still accruing ^(3, 5, 6)	s	2,779	\$	3,230	\$	3,289	\$	3,689	\$	4,044
Nonperforming loans, leases and foreclosed properties/Total assets ⁽⁷⁾		0.22 %		0.22%		0.23 %		0.27%		0.29%
Nonperforming loans, leases and foreclosed properties/Total loans, leases and foreclosed properties ⁽⁷⁾		0.55		0.56		0.59		0.66		0.72
Nonperforming loans and leases/Total loans and leases(7)		0.52		0.52		0.56		0.63		0.69
Commercial reservable criticized utilized exposure ⁽⁸⁾	s	11,821	\$	11,061	\$	11,597	\$	12,357	\$	13,366
Commercial reservable criticized utilized exposure/Commercial reservable utilized exposure(8)		2.22 %		2.08%		2.26%		2.40%		2.58%
Total commercial criticized utilized exposure/Commercial utilized exposurd ⁽⁸⁾		2.07		1.93		2.16		2.34		2.45

⁽¹⁾ 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 \$400 million, \$488 million, \$573 million and \$680 million at March 31, 2019, December 31, 2018, September 30, 2018, June 30, 2018 and March 31, 2018 respectively.
(2) 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 loans.

the loan. (4) Balances do not include the following:

	M	March 31 December 31 September 30 2019 2018 2018					1	June 30 2018	N	March 31 2018
Nonperforming loans held-for-sale	s	457	\$	291	\$	177	\$	220	\$	233
Nonnerforming loops accounted for under the fair value ontion		67		12		16		16		37

⁽⁵⁾ Balances do not include loans held-for-sale past due 30 days or more and still accruing 684 million, \$53 million, \$30 million, \$28 million and \$83 million and \$83 million and \$83 million and \$83 million and \$84 million

past due 30 days or more and still accruing interest.

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

properties.

(7) Total assets and total loans and leases do not include loans accounted for under the fair value option of 6.2 billion, \$4.3 billion, \$5.7 billion, \$6.2 billion and \$6.0 billion at March 31, 2019, December 31, 2018, September 30, 2018, June 30, 2018 and March 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)	First	Fourth	Third Ouarter		Second	First
	 Quarter 2019	Quarter 2018	Quarter 2018		Quarter 2018	Quarter 2018
Nonperforming Consumer Loans and Leases:						
Balance, beginning of period	\$ 3,842	\$ 4,306	\$ 4,63	9 \$	4,906	\$ 5,166
Additions	391	545	48	ı	599	812
Reductions:						
Paydowns and payoffs	(188)	(214)	(23	3)	(261)	(245)
Sales	(164)	(438)	(14	5)	(117)	(269)
Returns to performing status ⁽²⁾	(249)	(274)	(30	9)	(336)	(364)
Charge-offs (3)	(28)	(51)	(8	9)	(114)	(147)
Transfers to foreclosed properties	(26)	(32)	(3	5)	(38)	(45)
Transfers to loans held-for-sale	_	_	_	-	_	(2)
Total net reductions to nonperforming loans and leases	(264)	(464)	(33	3)	(267)	(260)
Total nonperforming consumer loans and leases, end of period	3,578	3,842	4,30	5	4,639	4,906
Foreclosed properties	 236	244	26	5	263	 264
Nonperforming consumer loans, leases and foreclosed properties, end of period	\$ 3,814	\$ 4,086	\$ 4,57	\$	4,902	\$ 5,170
Nonperforming Commercial Loans and Leases (4):						
Balance, beginning of period	\$ 1,102	\$ 848	\$ 1,25	8 \$	1,472	\$ 1,304
Additions	640	500	23	5	244	436
Reductions:						
Paydowns	(108)	(122)	(28	7)	(193)	(169)
Sales	(43)	(6)	(13	0)	(50)	(24)
Return to performing status(5)	(34)	(33)	(9	5)	(91)	(27)
Charge-offs	(97)	(85)	(11	5)	(112)	(48)
Transfers to foreclosed properties	(7)	_	(1	2)	_	_
Transfers to loans held-for-sale	(181)	_	(5)	(12)	_
Total net additions (reductions) to nonperforming loans and leases	170	254	(41		(214)	168
	 1,272	1,102	84	3	1,258	4 450
Total nonperforming commercial loans and leases, end of period	, , ,					1,472
Total nonperforming commercial loans and leases, end of period Foreclosed properties	 59	56	3)	21	1,472 52

⁽¹⁾ For amounts excluded from nonperforming loans, leases and foreclosed properties, see footnotes tolonperforming Loans, Leases and Foreclosed Properties table on

⁽¹⁾ For amounts excluded from nonperforming loans, leases and toreclosed properties, see tootnotes toonperforming Loans, Leases and Foreclosed Froperties Froperties and Foreclosed Froperties Froperties and Foreclosed Froperties Froperties

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

(Dollars in millions)													
	First Quarter 2019		 Fou Qua 20	rter		This Quar 201	rter	 Second Quarte 2018	er		Firs Quar 201	ter	
	A	mount	Percent	 Amount	Percent	Α	mount	Percent	 Amount	Percent	A	Amount	Percent
Net Charge-offs													
Residential mortgage (2)	\$	(16)	(0.03)%	\$ 15	0.03 %	\$	12	0.02 %	\$ 7	0.01 %	\$	(6)	(0.01)%
Home equity		11	0.10	(15)	(0.12)		(20)	(0.15)	_	_		33	0.23
U.S. credit card		745	3.18	699	2.90		698	2.92	739	3.17		701	3.01
Direct/Indirect consumer		54	0.24	53	0.23		42	0.18	41	0.18		59	0.25
Other consumer		41	n/m	52	n/m		44	n/m	43	n/m		43	n/m
Total consumer		835	0.77	 804	0.71		776	0.69	 830	0.74		830	0.75
U.S. commercial		83	0.11	43	0.06		70	0.10	78	0.11		24	0.03
Non-U.S. commercial		_	_	20	0.09		25	0.10	19	0.08		4	0.02
Commercial real estate		5	0.03	(2)	(0.02)		2	0.02	4	0.03		(3)	(0.02)
Commercial lease financing			_	(1)	(0.01)		_	_	1	0.01		(1)	(0.01)
		88	0.07	60	0.05		97	0.08	102	0.09		24	0.02
U.S. small business commercial		68	1.90	60	1.65		59	1.67	64	1.82		57	1.67
Total commercial		156	0.13	120	0.10		156	0.13	166	0.14		81	0.07
Total net charge-offs	\$	991	0.43	\$ 924	0.39	\$	932	0.40	\$ 996	0.43	\$	911	0.40
By Business Segment and All Other													
Consumer Banking	\$	925	1.28 %	\$ 889	1.22 %	\$	853	1.19 %	\$ 896	1.28 %	\$	877	1.27 %
Global Wealth & Investment Management		12	0.03	8	0.02		13	0.03	15	0.04		25	0.06
Global Banking		82	0.09	56	0.06		85	0.10	86	0.10		19	0.02
Global Markets		_	_	_	_		3	0.02	14	0.08		6	0.03
All Other		(28)	(0.24)	(29)	(0.22)		(22)	(0.15)	(15)	(0.10)		(16)	(0.10)
Total net charge-offs	\$	991	0.43	\$ 924	0.39	\$	932	0.40	\$ 996	0.43	S	911	0.40

⁽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 sales charge-offs (recoveries) of \$(10)\$ million, \$25\$ million, \$6\$ million, \$(5)\$ million and \$(18)\$ million for the first quarter of 2019 and fourth, third, second and first quarters of 2018, respectively.

n/m = not meaningful

Allocation of the Allowance for Credit Losses by Product Type

(Dollars in millions)

		March 31, 2	2019		December 31,	, 2018	March 31, 2018						
	Amount	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	\$ 379	3.96%	0.18 %	\$ 422	4.40 %	0.20%	\$ 611	5.96%	0.30%				
Home equity	443	4.63	0.96	506	5.27	1.05	919	8.96	1.66				
U.S. credit card	3,666	38.27	3.94	3,597	37.47	3.66	3,425	33.38	3.68				
Direct/Indirect consumer	238	2.49	0.27	248	2.58	0.27	265	2.58	0.28				
Other consumer	30	0.31	n/m	29	0.30	n/m	30	0.29	n/m				
Total consumer	4,756	49.66	1.08	4,802	50.02	1.08	5,250	51.17	1.18				
U.S. commercial (3)	2,997	31.29	0.95	3,010	31.35	0.96	3,091	30.12	1.02				
Non-U.S.commercial	705	7.36	0.70	677	7.05	0.69	801	7.81	0.82				
Commercial real estate	965	10.08	1.58	958	9.98	1.57	953	9.29	1.59				
Commercial lease financing	154	1.61	0.73	154	1.60	0.68	165	1.61	0.76				
Total commercial	4,821	50.34	0.97	4,799	49.98	0.97	5,010	48.83	1.04				
Allowance for loan and lease losses	9,577	100.00%	1.02	9,601	100.00%	1.02	10,260	100.00%	1.11				
Reserve for unfunded lending commitments	802			797			782						
Allowance for credit losses	\$ 10,379			\$ 10,398			\$ 11,042						
Asset Quality Indicators													
Allowance for loan and lease losses/Total loans and leases (2)		1.02 %			1.02%			1.11%					
Allowance for loan and lease losses/Total nonperforming loans and leases (4)		197			194			161					
Ratio of the allowance for loan and lease losses/Annualized net charge-offs													

⁽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 \$315 million, \$336 million and \$523 million and \$523 million and \$5371 million and \$371 million

respectively.

(3) Includes allowance for loan and lease losses for U.S. small business commercial loans 6889 million, \$474 million and \$446 million at March 31, 2019, December 31, 2018 and March 31, 2018

respectively.

(4) Allowance for loan and lease losses includes 4.1 billion, \$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 March 31, 2019, December 31, 2018 and March 31, 2018, respectively. Excluding these amounts, allowance for loan and lease losses as a percentage of total nonperforming loans and leases wals a percent, 113 percent and 98 percent at March 31, 2019, December 31, 2018 and March 31, 2018, respectively.

n/m = not meaningful

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' 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 applicable to common shareholders as a percentage of adjusted average total shareholders' equity. The tangible equity measures the Corporation's net income applicable to common shareholders as a percentage of adjusted average total shareholders' equity divided by total assets less goodwill and intangible and intangible average total shareholders' equity divided by total assets less goodwill and intangible and intengible equity measures the Corporation's net income applicable to common shareholders as a percentage of adjusted average total shareholders' equity. The tangible equity measures to support total assets less goodwill and intangible and intengible and intengible average total shareholders' equity divided by total assets less goodwill and intangible and intengible average total shareholders' equity divided by total assets less goodwill and intengible average total shareholders' equity divided by total assets less goodwill and intengible average total shareholders' equity divided by total assets less goodwill and intengible average to evaluate the Corporation's use of equity. In addition, profitability, relationship and investment models all use return on average tangible shareholders' equity divided by measures to support our overall growth goals.

See the tables below for reconciliations of these non-GAAP financial measures to financial measures defined by GAAP for the three months ended March 31, 2019, December 31, 2018, September 30, 2018, June 30, 2018 and March 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.

	First Quarter 2019		Fourth Quarter 2018		Third Quarter 2018		Second Quarter 2018		_	First Quarter 2018
Reconciliation of average shareholders' equity to average tangible common shareholders' equity and average tangible shareholders' equity										
Shareholders' equity	\$	266,217	\$	263,698	\$	264,653	\$	265,181	\$	265,480
Goodwill		(68,951)		(68,951)		(68,951)		(68,951)		(68,951)
Intangible assets (excluding mortgage servicing rights)		(1,763)		(1,857)		(1,992)		(2,126)		(2,261)
Related deferred tax liabilities		841		874		896		916		939
Tangible shareholders' equity	\$	196,344	\$	193,764	\$	194,606	\$	195,020	\$	195,207
Preferred stock		(22,326)		(22,326)		(22,841)		(23,868)		(22,767)
Tangible common shareholders' equity	s	174,018	\$	171,438	\$	171,765	\$	171,152	\$	172,440
Reconciliation of period-end shareholders' equity to period-end tangible common shareholders' equity and period-end tangible shareholders' equity										
Shareholders' equity	\$	267,010	\$	265,325	\$	262,158	\$	264,216	\$	266,224
Goodwill		(68,951)		(68,951)		(68,951)		(68,951)		(68,951)
Intangible assets (excluding mortgage servicing rights)		(1,747)		(1,774)		(1,908)		(2,043)		(2,177)
Related deferred tax liabilities		773	_	858		878		900	_	920
Tangible shareholders' equity	\$	197,085	\$	195,458	\$	192,177	\$	194,122	\$	196,016
Preferred stock		(22,326)		(22,326)		(22,326)		(23,181)		(24,672)
Tangible common shareholders' equity	\$	174,759	\$	173,132	\$	169,851	\$	170,941	\$	171,344
Reconciliation of period-end assets to period-end tangible assets										
Assets	\$	2,377,164	\$	2,354,507	\$	2,338,833	\$	2,291,670	\$	2,328,478
Goodwill		(68,951)		(68,951)		(68,951)		(68,951)		(68,951)
Intangible assets (excluding mortgage servicing rights)		(1,747)		(1,774)		(1,908)		(2,043)		(2,177)
Related deferred tax liabilities		773		858		878		900		920
Tangible assets	s	2,307,239	\$	2,284,640	\$	2,268,852	\$	2,221,576	\$	2,258,270
Book value per share of common stock										
Common shareholders' equity	s	244,684	\$	242,999	\$	239,832	\$	241,035	\$	241,552
Ending common shares issued and outstanding		9,568.4		9,669.3		9,858.3		10,012.7		10,175.9
Book value per share of common stock	s	25.57	\$	25.13	\$	24.33	\$	24.07	\$	23.74
Tangible book value per share of common stock										
Tangible common shareholders' equity	s	174,759	\$	173,132	\$	169,851	\$	170,941	\$	171,344
Ending common shares issued and outstanding		9,568.4		9,669.3		9,858.3		10,012.7		10,175.9
Tangible book value per share of common stock	S	18.26	\$	17.91	\$	17.23	\$	17.07	\$	16.84