3rd Quarter 2022 Update

Count on more®

Kansas City, MO

October 25, 2022

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Board of Directors
Forward-Looking Statements
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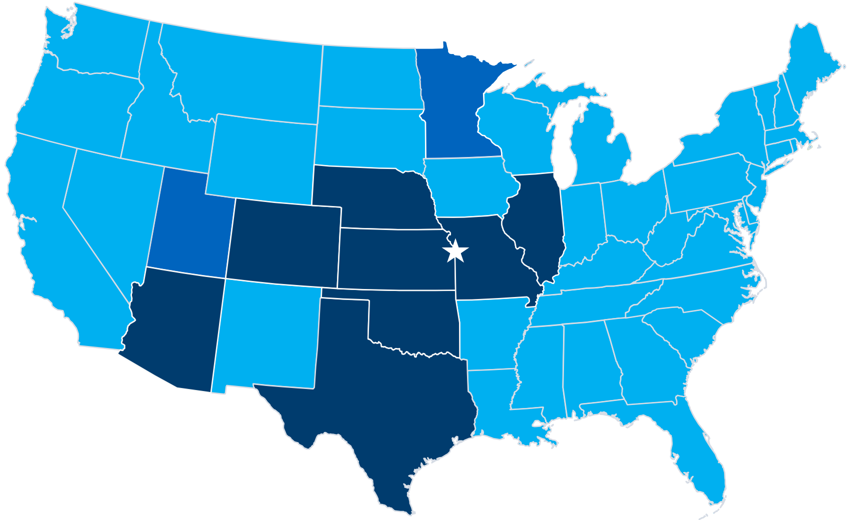
Please refer to the Forward-Looking Statements on slide 43 for important disclosures about information contained in this presentation.

Corporate Overview

Highlights

Founded	1913
Ticker	UMBF - Nasdaq
Market Cap	$4.1 B
Total Assets	$37.6 B
Gross Loans (1)	$19.9 B
Total Deposits	$31.8 B
Private Wealth Customer Assets (2)	$14.5 B
Institutional Assets Under Administration (AUA) (3)	$385.0 B
Common Equity Tier 1 Capital Ratio	11.18%
Total Risk Based Capital Ratio	13.13%
Net Charge-Offs / Avg Loans	0.02%
NPLs / Total Loans	0.10%
ACL / Total Loans	0.93%
Fee Income / Revenue	35.5%



☆ **UMB Financial Corporation Headquarters**

UMB Bank Presence

- 91 banking centers
- 233 ATMs

Expansion Markets

- Twin Cities - MN
- Salt Lake City - UT

National Presence

- Asset-based lending
- Healthcare Services
- Private Wealth Management & Personal Trust
- Specialized Lending Verticals
- Corporate Trust
- Capital Markets (4)
- Fund Services

International Presence

- UMBF Trust & Agency Services – Dublin, Ireland

At, or for the 3 months ended, 09/30/22. (1) Includes $16.4mm in PPP balances; (2) Includes $10.5B in managed assets and $4.0 B in Assets Under Administration for Private Wealth customers; (3) Includes assets in Fund Services, Corporate Trust and Healthcare Services; (4) UMB Bank, n.a. Capital Markets Division.

Beyond Financials
Our Culture

Our Vision

the
unparalleled customer experience

Our Commitment

An unwavering commitment to doing more for our customers.

Our Values

Customers First
We do the unparalleled to create an environment that consistently exceeds the expectations of our customers.

Integrity & Trust
We demonstrate our uncompromising honesty and integrity to earn the trust of everyone we serve.

Performance & Strength
We achieve sustainable greatness by delivering on our promise, remaining independent and maintaining financial soundness.

Associate Spirit
We rely upon our people and their collective attitude and skills to differentiate us from our competitors.

Inclusion & Diversity
We believe an inclusive and diverse culture energizes the workplace and ignites innovation.

Beyond Financials
Our Culture

Creating an unparalleled customer experience requires a culture where our people feel part of something more, something bigger. We foster this experience through our policies, our business decisions and our expectations of each associate.

MORE HEART

Whether it's having a heart for each other, our customers or our communities, we support work through inclusive policies and empowering people to create fulfilling lives in and out of the workplace.

MORE TRUST

Our associates have confidence they will be encouraged and expected to do the right thing at all times — no matter what. We're focused on setting clear expectations and a leadership team who is accessible and transparent.

MORE OPPORTUNITY

Our goal is to grow existing strengths and build new skills. We're committed to empowering our workforce to make an impact and achieve their goals through open conversations and providing the tools to develop potential.

the unparalleled customer experience

Beyond Financials
Our Commitment to Corporate Citizenship

UMB

Inclusion & Diversity

We want our company to be as diverse as the world we live in.

- As an early CEO Action for Diversity and Inclusion signatory, we regularly review progress of our inclusion strategy with executives and our board of directors
- Eight Business Resource Groups (BRGs) help us understand the needs of our associates, customers and communities and turn empathy into action
- In 2021, 34% of all UMB hires were people of color, 52% were women and 2% were veterans
- Diversity among leadership team – 8 of 16 members

Strong Corporate Governance

Effective governance practices preserve the confidence and trust of our stakeholders.

- 12-person board of directors, with 10 independent members, a lead independent director, and 100% independence on board committees
- 33% board diversity
- Deliberate selection criteria which includes diversity standards in the board nomination process
- Robust risk oversight with distinct risk management committees: enterprise risk, asset and liability, and credit
- Board oversight of the executive ESG Committee

Community Impact

Associate volunteerism and corporate philanthropy help build strong community partnerships.

- $6.6 million in company donations and sponsorships in 2021, supporting underserved communities' housing needs, small business efforts, education and emerging talent
- 1,000+ participants in our workplace giving campaign supporting qualified nonprofits with pledges of $526k
- Associates receive 16 hours of paid Volunteer Time Off (VTO) annually, and participates logged over 6,500 hours of volunteer time, despite the pandemic
- UMB Market, which helps children learn about healthy shopping on a budget, was the Financial Education winner in the American Bankers Association Community Commitment Awards

Efficient & Sensible Resource Use

UMB recognizes the undeniable importance of sustainable business practices.

- 74 UMB buildings use automated systems to conserve energy, with a goal to include all UMB properties by year-end 2023
- More than 183k Kilowatt hours generated from solar panels
- Exterior lighting upgrades to LED saved more than 95k Kilowatt hours; committed to convert all locations by year-end 2023
- Committed to paper reduction through digital opportunities and education programs
- Adapting technology to include rooftop gardens, geothermal energy and charging stations for electric cars
- Installed beehives at a Colorado branch to support the local honeybee population

Business Model
Our Diverse Foundation

Commercial & Personal Banking Services

3Q'22 Revenue: 3Q'22 $229.4 million. 3Q'22 Average Deposits: $19.5 billion

Commercial

Average loans: $16.1B (1)
Average deposits: $13.2B

- C&I lending
- Small business lending
- CRE & Construction lending
- Specialized Expertise:
  - Agribusiness
  - Energy
  - Practice finance
  - Aviation
  - Asset-based lending
  - Beverage
  - Mezzanine debt & equity investments
- Treasury management
- Merchant payments

Consumer

Average loans: $2.7B (1) (2)
Average deposits: $6.3B

- Retail deposit & lending services through 91 branches and online
- Private banking services
- Consumer mortgage

Private Wealth

AUM = $10.5B
AUA = $4.0B

- Financial planning
- Investment management
- Trust & custody
- Estate planning
- Family office
- Business exit planning

Institutional Banking Services

3Q'22 Revenue: 3Q'22 $132.8 million. 3Q'22 Average Deposits: $10.3 billion

Institutional Banking provides solutions for the entire marketplace; $385.0 billion in AUA. (3)

Corporate Trust

- Bond trustee, paying agent & escrow services

Institutional Custody

- Domestic & international custody services

Fund Services

- Fund accounting, fund administration & transfer agency

Specialty Trust & Agency Solutions

- Default workout & successor trustee services
- Aviation, ABS & loan agency services

Capital Markets Division (4)

- Fixed income sales & trading
- Public finance

Investor Solutions

- Banking, cash management & specialty services for financial firms

Healthcare Services

- Health savings & benefit spending accounts
- Healthcare payment solutions

Balances at or for quarter ended 09/30/22. (1) Loan balances exclude credit card and PPP loans; (2) Includes consumer loans plus residential real estate loans to retail and private banking clients; (3) Includes AUA in Fund Services/custody, corporate trust and Healthcare Services; (4) Products and services offered through UMB Bank Capital Markets Division: NOT FDIC INSURED | MAY LOSE VALUE | NOT BANK GUARANTEED.

Our Investment Thesis

Milwaukee, WI

Investment Thesis
Our Opportunity

Runway for Growth

Track record of relative outperformance in loan growth – opportunities remain
- Underpenetrated across our geographic footprint, focused on market share gains
- Underpenetrated vertically on an asset class basis; built out specialized teams

Attractive deposit base
- Diverse funding sources
- Track record of strong deposit growth in challenging times

Net interest income growth
- Above peer earning asset growth
- Balance sheet flexibility to lever up deposit base through deployment into high-quality earning assets

Differentiated revenue profile and growing fee income
- Revenue from diverse lines of business and verticals provide a natural hedge in all rate environments
- Lower-than-peer reliance on mortgage and NSF/OD revenue

Solid capital and liquidity positions support growth objectives
- Higher common equity levels
- Attractive loan-to-deposit ratio provides flexibility

Time-tested underwriting philosophy
- Unwavering credit standards
- Long-tenured credit team – average of 24 years with UMB
- Chief Credit Officer – 36 years with UMB

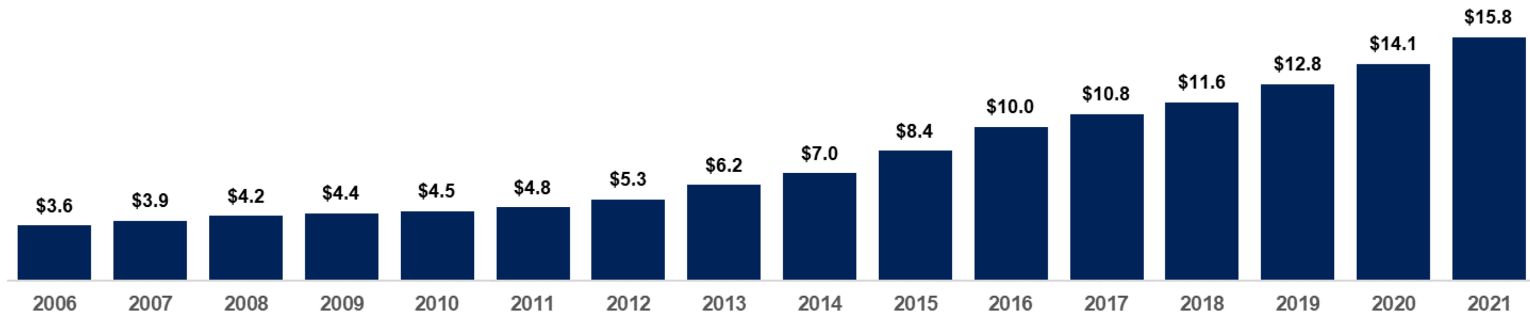
Focus on returning value to shareholders
- Risk-adjusted returns
- EPS and tangible book value growth outpace peers over the long-term
- Consistent dividend growth

Balance Sheet Growth
Across All Business Cycles

UMB

Average Loans

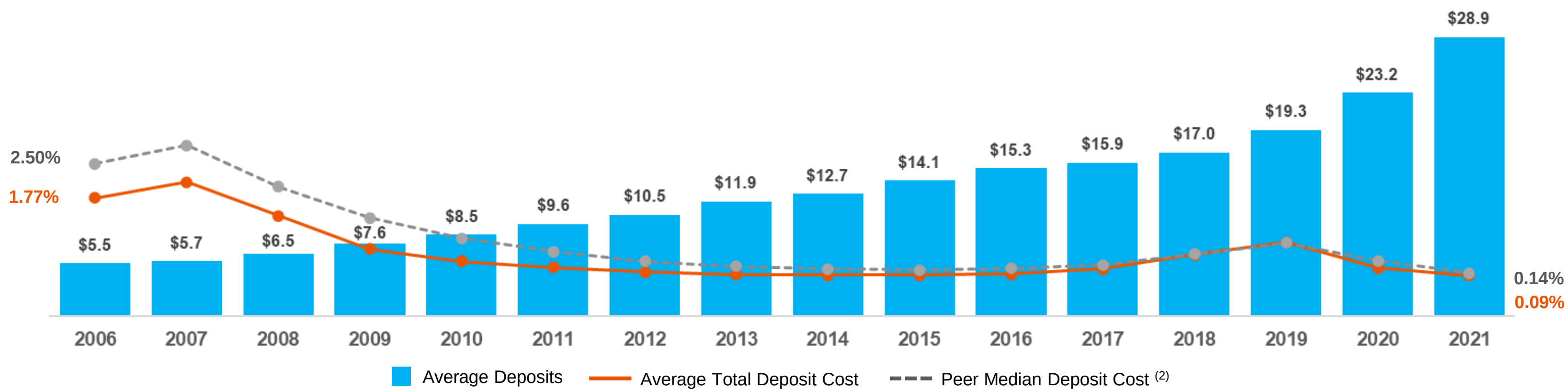
15 Year CAGR
10.4%



Annual Loan Growth	14%	9%	7%	5%	2%	6%	10%	18%	12%	21%	19%	9%	7%	10%	10%	12%

Average Deposits

15 Year CAGR
11.7%



Annual Deposit Growth	7%	4%	14%	16%	11%	14%	10%	13%	6%	11%	9%	4%	7%	14%	20%	25%

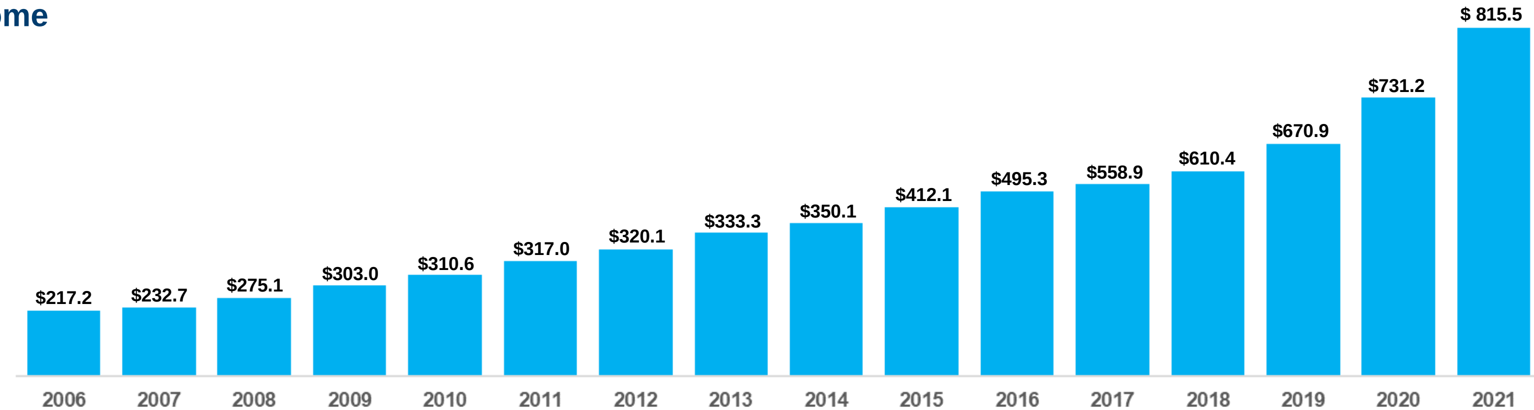
Average annual balances in billions.

(1) Exludes PPP balances for '20 & '21; (2) UMB traditional peers (15 banks), as of latest available annual period. Source: S&P Global Market Intelligence. Peer group defined on slide 47.

Differentiated Revenue Profile
Multiple Sources of Growth

Net Interest Income

15 Year CAGR
9.2%

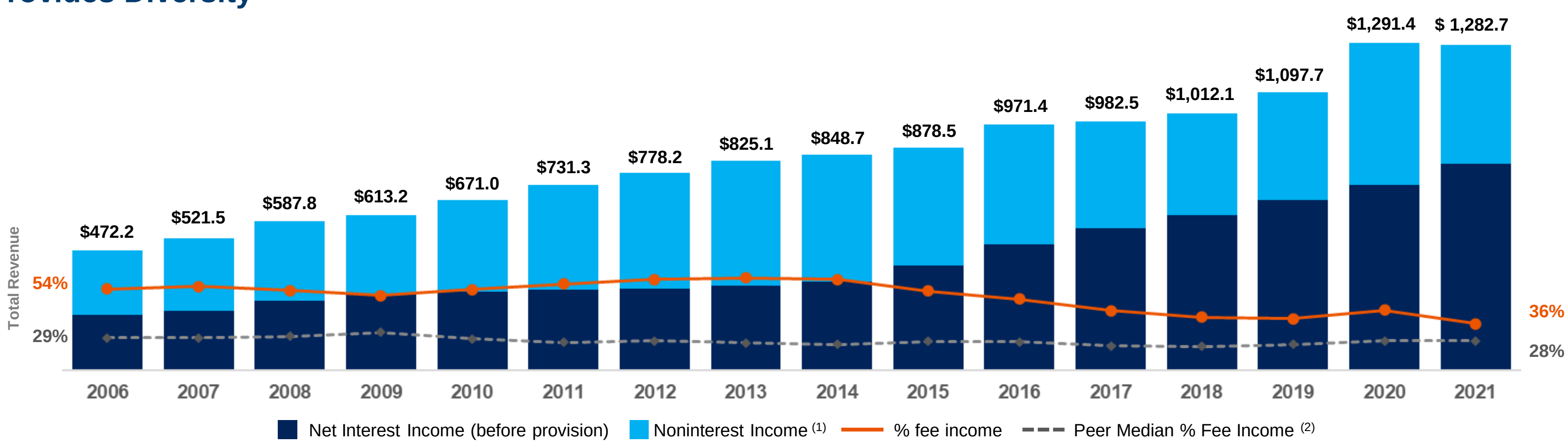


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Annual NII Growth	15%	7%	18%	10%	3%	2%	1%	4%	5%	18%	20%	13%	9%	10%	9%	12%

Fee Income Provides Diversity

15 Year CAGR
6.9%
Revenue Growth

15 Year CAGR
4.1%
Fee Income Growth



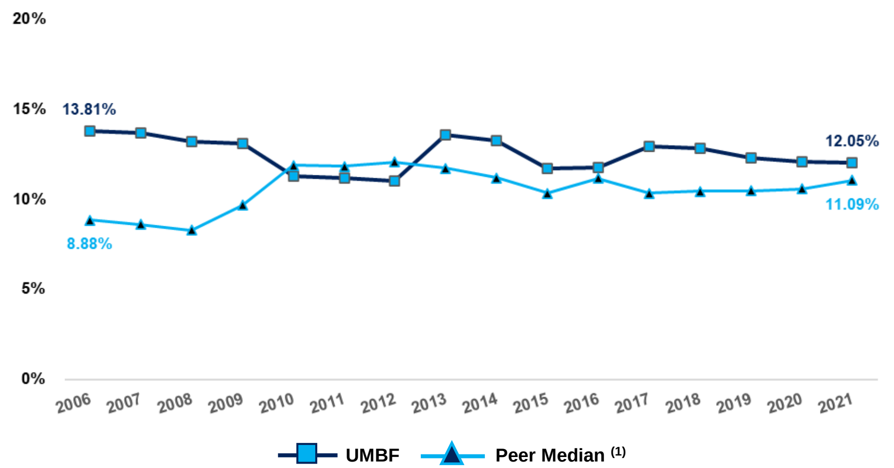
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Annual Revenue Growth	7%	10%	13%	4%	9%	9%	6%	6%	3%	4%	11%	1%	3%	8%	18%	-1%

Dollars in millions.

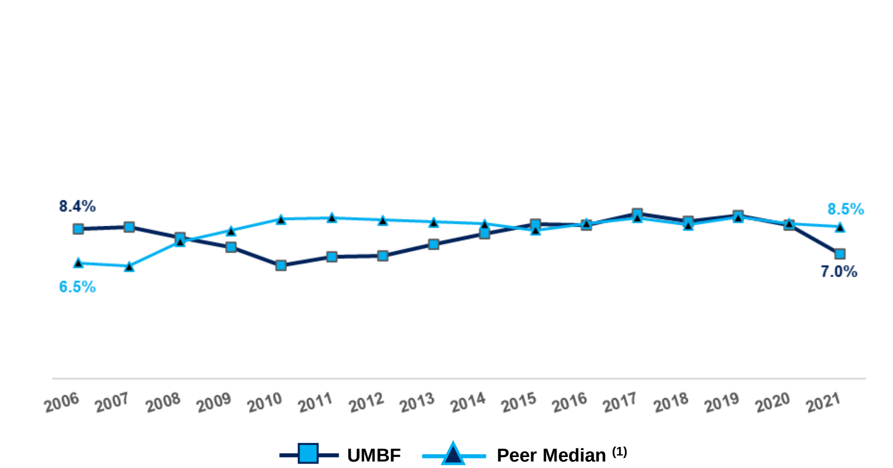
(1) Fee income prior to 2017 contains income from discontinued operations; (2) UMB traditional peers (15 banks) as of latest available annual period. Source: S&P Global Market Intelligence.

Capital & Liquidity Supports Growth Outlook

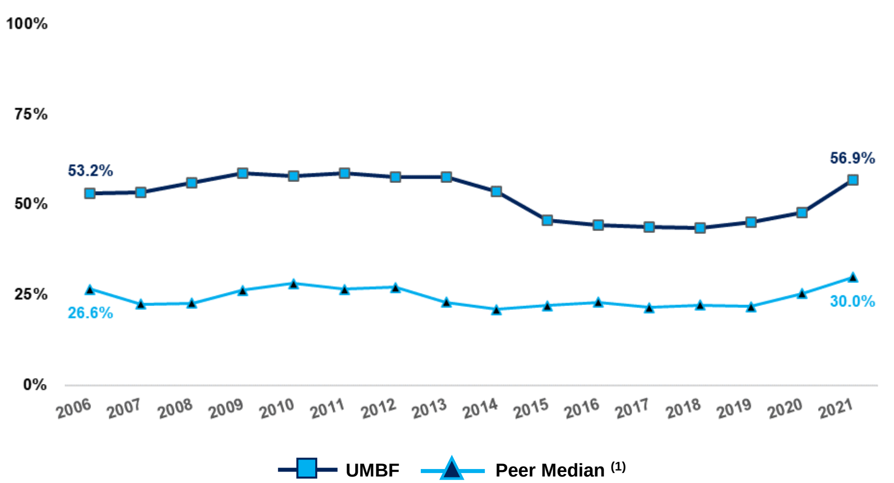
Tier 1 Capital Ratio



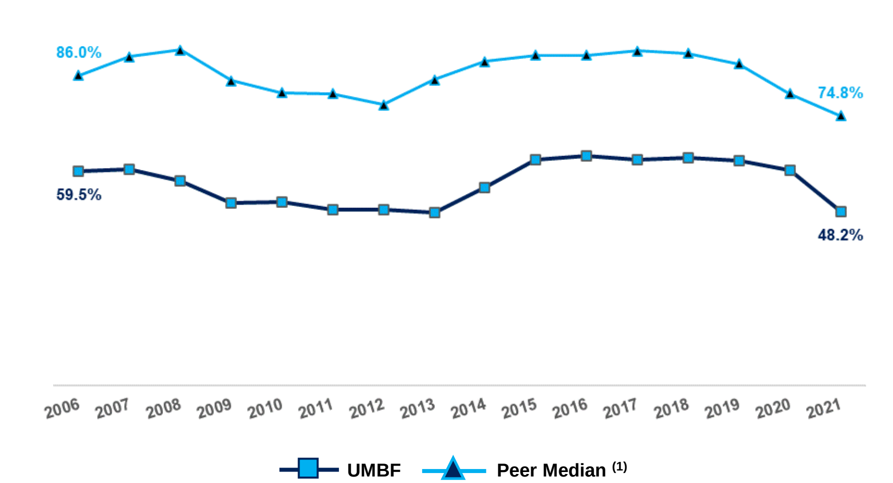
Tangible Common Equity / Assets (2)



Cash & Securities / Assets (3)



Loans / Deposits (4)

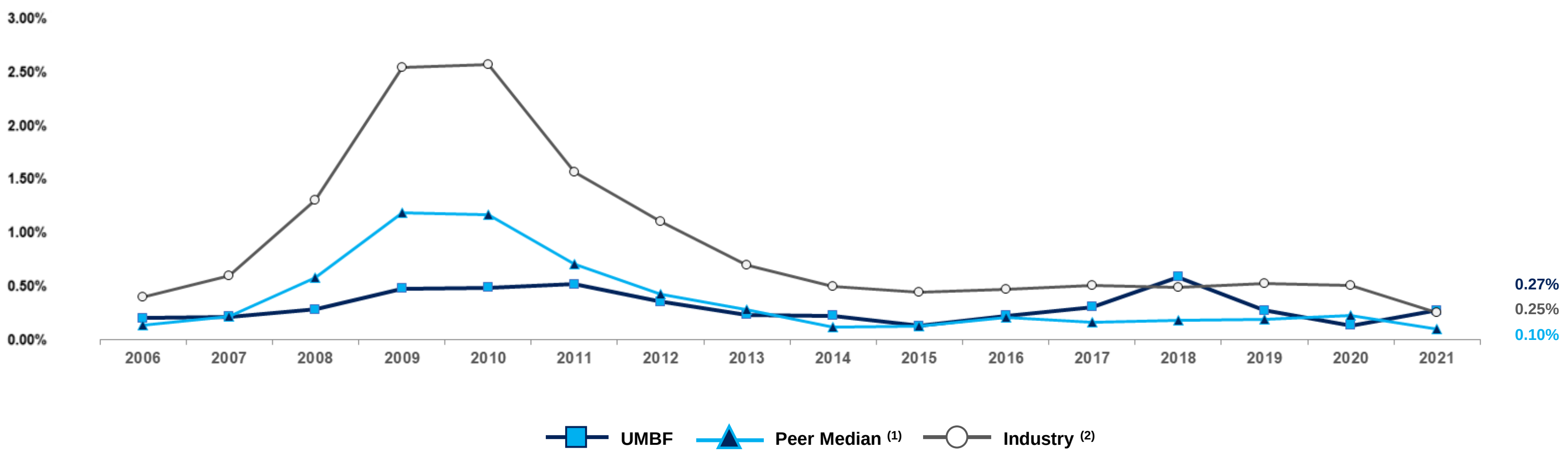


(1) UMB traditional peers (15 banks), as of latest available annual period. Source: S&P Global Market Intelligence; (2) Non-GAAP measure. See reconciliation on slide 45; (3) As defined by S&P Global: "Cash, cash equiv. & investment securities/assets;" (4) Period-end balances.

Resilient Credit Metrics
Through All Economic Environments

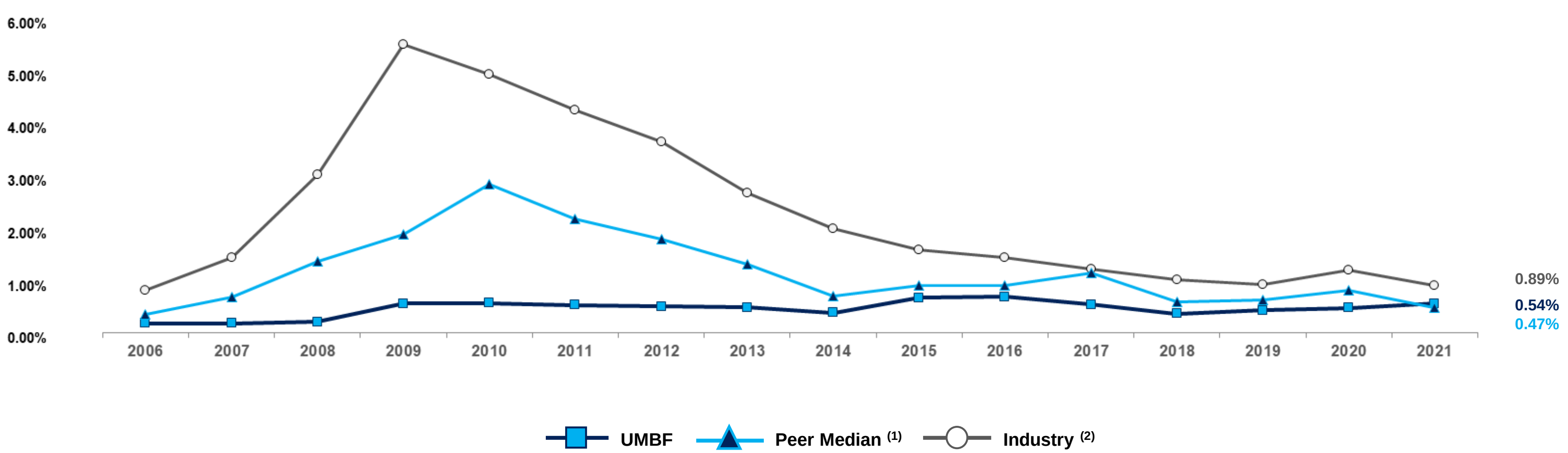
Net Charge-Offs / Average Loans

15 Year Average 0.30%



Nonperforming Loans / Loans

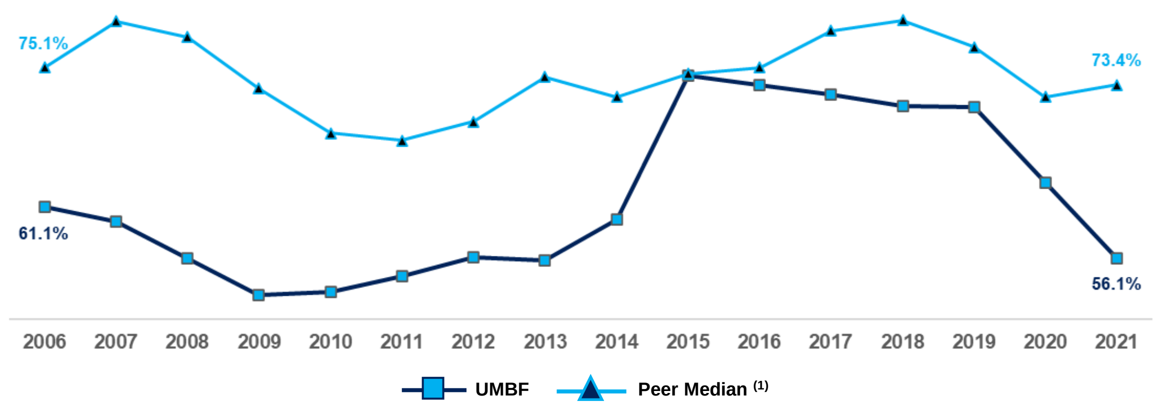
15 Year Average 0.45%



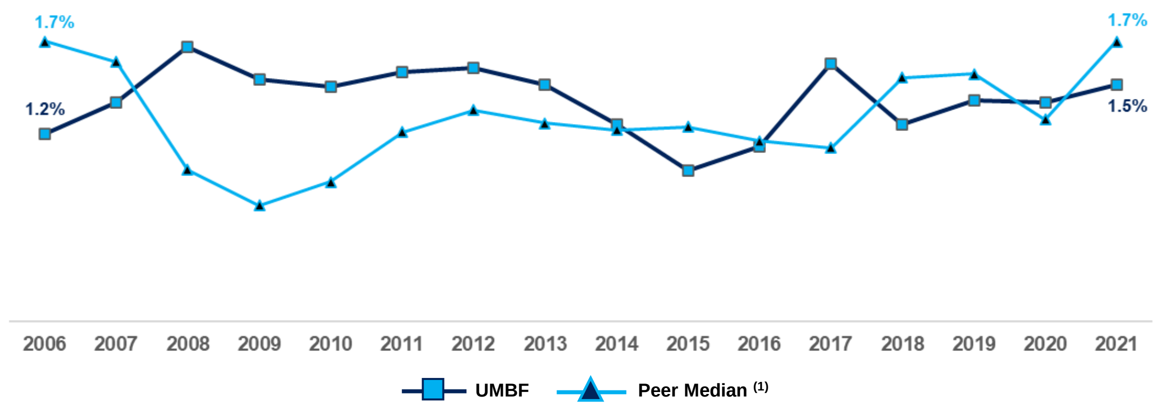
(1) UMB traditional peers (15 banks), as of latest available annual period. Source: S&P Global Market Intelligence; (2) All FDIC-insured banks. Source: FDIC.

Risk-Adjusted Returns
Rowing Close to Shore

Risk-Weighted Assets / Assets



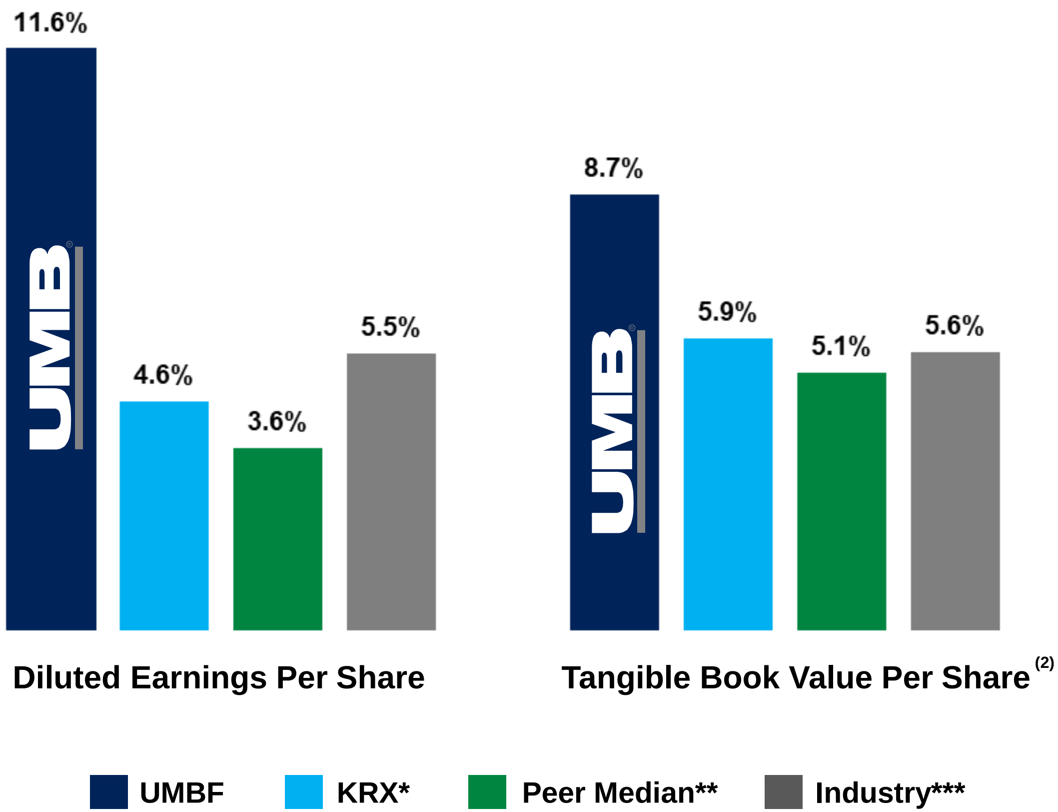
Return on Risk-Weighted Assets



(1) UMB traditional peers (15 banks), data as of latest available annual period. Source: S&P Global Market Intelligence.

Outperformance
Building Long-Term Value

15-Year Compounded Annual Growth Rates
2006 – 2021 (1)

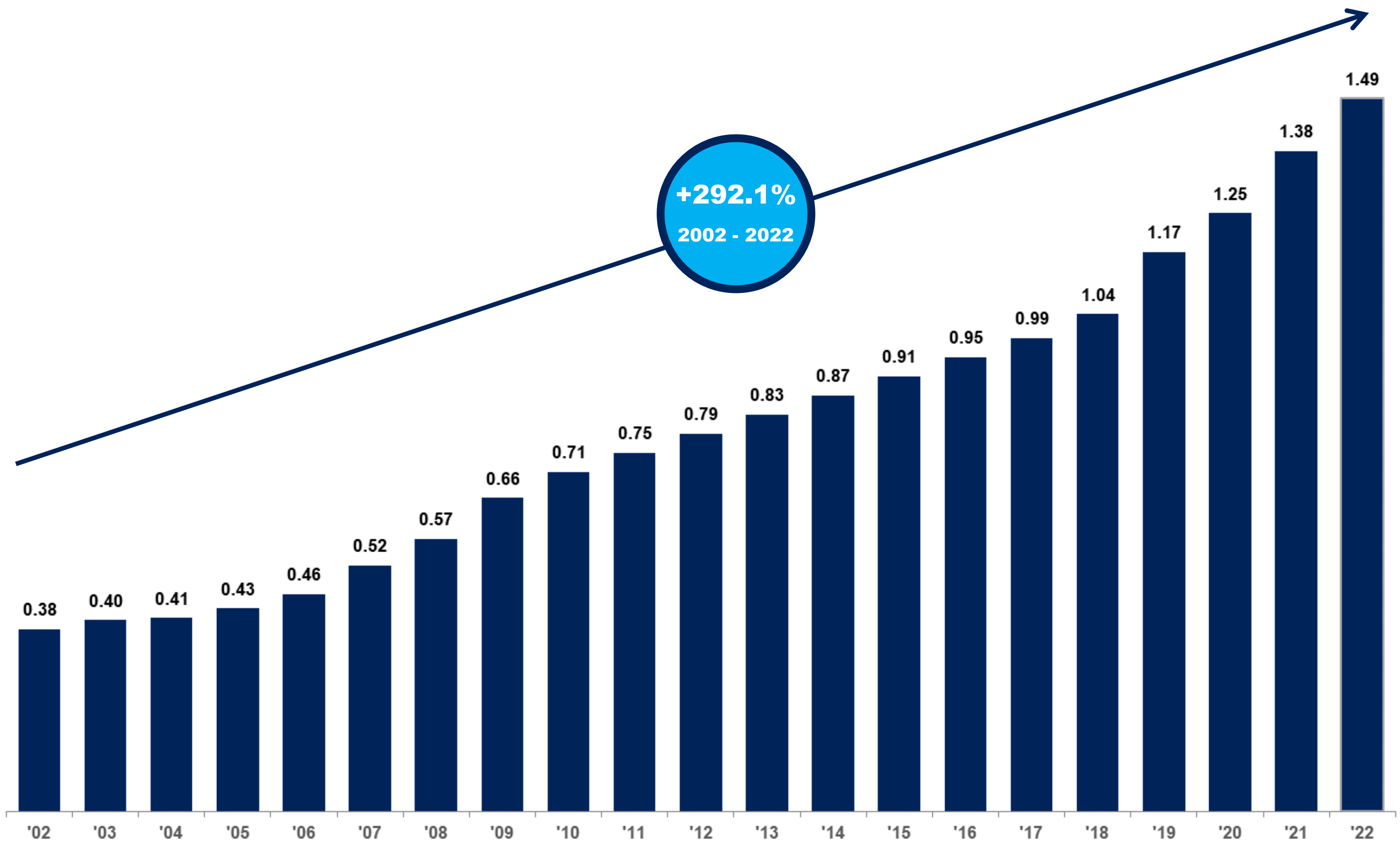


**KBW Nasdaq Regional Bank Index (median of 50 banks); **UMB's traditional peers (median of 15 banks); ***Median of all publicly-traded banks with data reported for both 2006 and 2021.*

(1) As of March 2022; (2) Non-GAAP measure. See reconciliation on slide 46. Source: KRX, Peer and Industry data from S&P Global Market Intelligence.

Dividend Trends
Sustained Growth

Annual Dividends Declared [1]



2022 = $1.49

+8.0%
vs. 2021

(1) Dividends adjusted for 2-for-1 stock split in 2006.

3rd Quarter 2022 Financial Review

Salt Lake City, UT

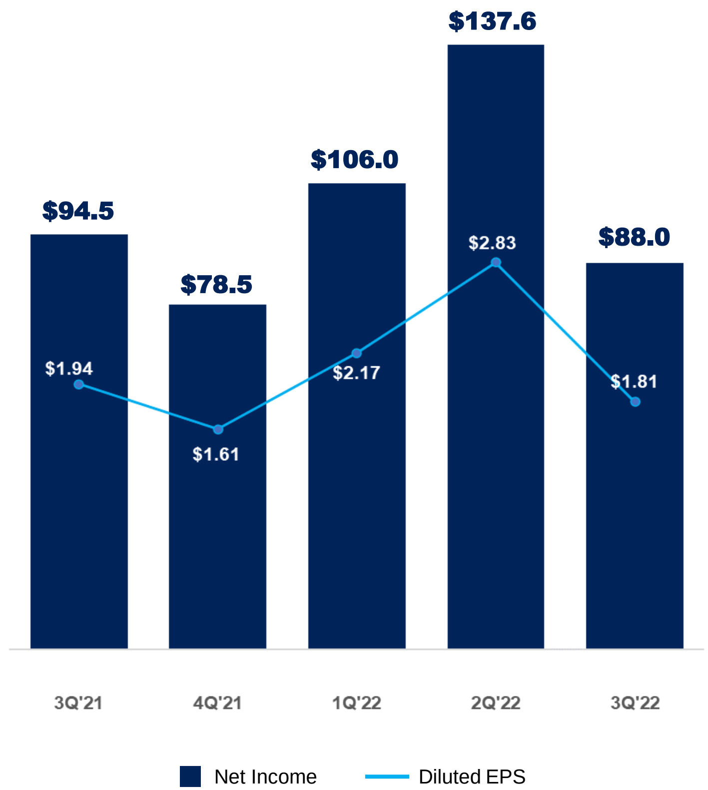
3Q 2022 Results At-A-Glance

	3Q '21	2Q '22	3Q '22	Linked-Quarter Commentary
Average Loans ex. PPP	$ 16,240.2	$ 18,264.6	$ 19,263.3	Growth led by C&I (+27% LQA), CRE (+20% LQA) and consumer real estate (+19% LQA).
LQ annualized growth %	*15.3%*	*23.3%*	*21.9%*	
Average Deposits	29,428.0	31,589.0	29,797.5	Decrease driven primarily by DDA declines from elevated 2Q levels, largely in our institutional businesses; Avg. DDA balances = 42% of avg. total deposits vs. 45% in 2Q'22 and 39% in 3Q'21.
LQ annualized growth %	*23.7%*	*-12.2%*	*-22.7%*	DDA +8.7% and total deposits +1.3% versus 3Q'21
Net charge-offs / avg. loans	0.07%	0.62%	0.02%	YTD '22 NCOs averaged 27 bps vs. 30 bps YTD '21.
Nonperforming loans / loans	0.59%	0.10%	0.10%	
Net Interest Income	209.8	224.8	233.5	Benefited from strong loan growth and higher short-term rates, offset by increased funding costs, partly driven by new deposit initiatives and adverse mix shift; Earning asset yields +67 bps; cost of funds (IBL + DDA) increased 52 bps.
FTE Net Interest Margin	2.52%	2.60%	2.76%	+16 bps from 2Q'22; Benefits from asset mix/repricing, free funds and lower liquidity balances partially offset by higher IBL costs.
Provision for Credit Losses	(5.0)	13.4	22.0	Driven by strong loan growth, portfolio changes, and changes in macro-economic metrics.
Noninterest Income (loss) from equity valuation [1]	(4.6)	60.7	(1.3)	-$66.2mm nonrecurring pre-tax gain on sale of Visa Class B shares in 2Q'22.
Noninterest Income ex. impact of equity valuation	112.5	115.6	130.1	+$13.0mm COLI income (proportionate offset in noninterest expense); +$1.2mm in derivative income from customer back-to-back swaps; +$1.5mm in bankcard income: higher interchange levels, lower rebate/reward expense; and +$1.4mm in brokerage income from money market revenue share and 12b-1 fees. Partially offset by a $1.7mm volume-related reduction in trading and investment banking income.
Total Noninterest Income	107.9	176.3	128.7	
Noninterest Expense	208.9	214.1	231.4	+$11.5mm in deferred comp. expense (offset by increased COLI income noted); +$4.5mm in salary & wage expense (1 additional salary day in 3Q); +$3.7mm in operational losses which are not expected to recur; and higher processing fees and business development expense, due to the timing of multiple projects. Partially offset by $4.8mm lower charitable contributions.
Net Income	94.5	137.6	88.0	
EPS, diluted	$1.94	$2.83	$1.81	
Dividends per share	0.37	0.37	0.37	Announced 2.7% increase for 4Q to $0.38/share.
Operating PTPP income [2]	109.6	187.1	131.2	
Operating PTPP EPS [2]	$2.24	$3.84	$2.70	

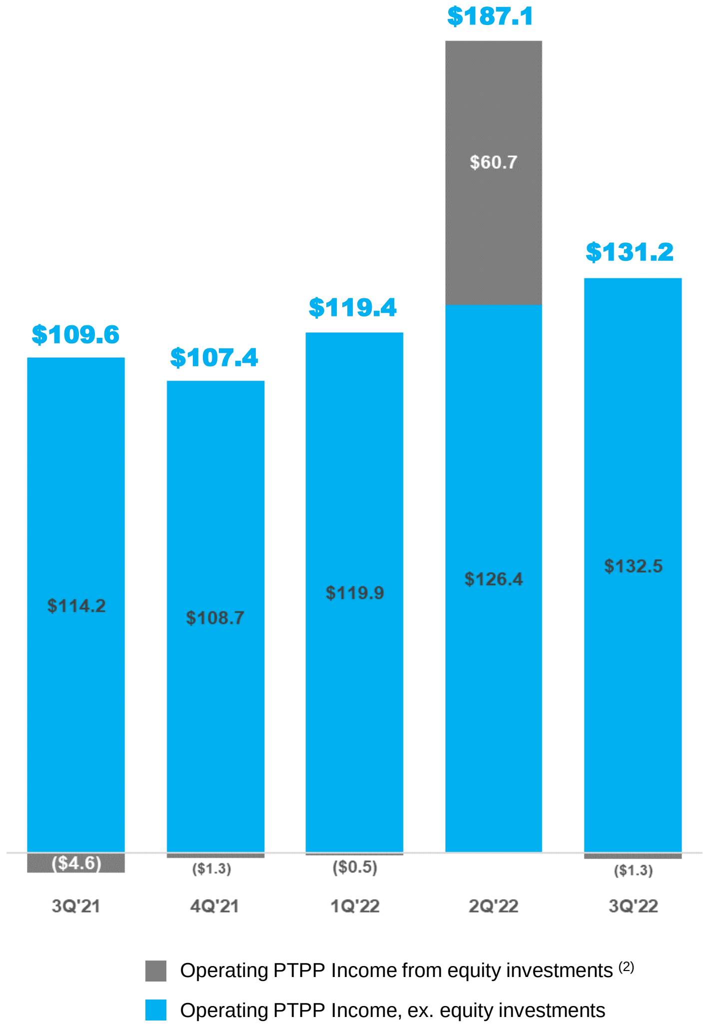
Dollars in millions, except per share amounts. (1) Net gains/losses from mark-to-market valuations and any dispositions of equity investments. (2) Non-GAAP measure; reconciled on slide 44.

3Q 2022 Earnings Highlights

Net Income



Operating PTPP Income (1)



Dollars in millions, except per share amounts.

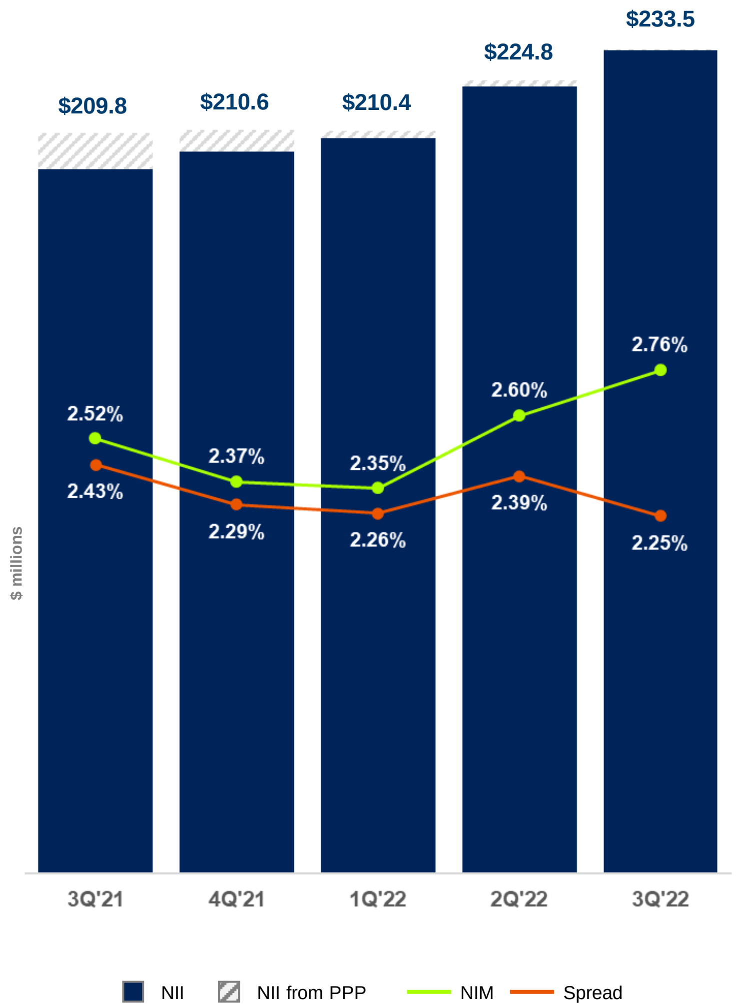
(1) Operating pre-tax, pre-provision income. See reconciliation on slide 44; (2) Net gains/losses related to mark-to-market valuations and any disposition of shares in our equity investments.

Revenue Trends

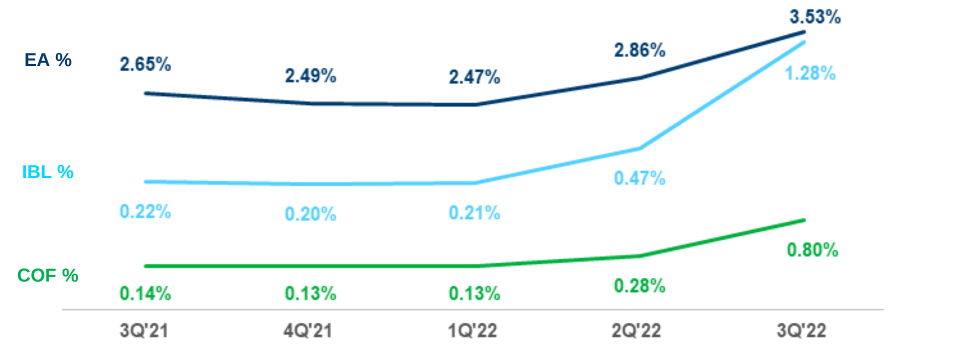
	3Q '21	4Q '21	1Q '22	2Q '22	3Q '22	Linked-Qtr. Variance $ ∆	% ∆
Interest Income	221.3	221.6	221.8	248.6	300.3	51.8	20.8
Interest Expense	11.6	11.0	11.4	23.8	66.9	43.1	181.1
Net Interest Income	**$ 209.8**	**$ 210.6**	**$ 210.4**	**$ 224.8**	**$ 233.5**	**$ 8.7**	**3.9%**
Trust & securities processing	56.9	58.5	59.5	58.9	59.6	0.7	1.2
Trading & investment banking	5.9	7.0	5.4	7.1	5.4	(1.7)	(24.4)
Deposit Service Charges	19.9	21.6	24.6	20.8	19.9	(0.9)	(4.3)
Insurance fees and commisions	0.3	0.4	0.3	0.2	0.4	0.1	53.1
Brokerage fees	2.9	3.3	3.5	12.4	13.8	1.4	11.7
Bankcard fees	17.2	16.6	16.6	17.8	19.4	1.5	8.6
Net inv. securities gains (losses)	(3.5)	1.4	(0.5)	60.7	(1.3)	(62.1)	NM
Other income	8.3	9.9	14.2	(1.7)	11.6	13.3	NM
Total noninterest income	**$ 107.9**	**$ 118.8**	**$ 123.7**	**$ 176.3**	**$ 128.7**	**$ (47.6)**	**(27.0%)**
Total Revenue	**$ 317.7**	**$ 329.4**	**$ 334.0**	**$ 401.1**	**$ 362.2**	**$ (38.9)**	**(9.7%)**

Dollars in millions. Columns may not sum due to rounding differences.

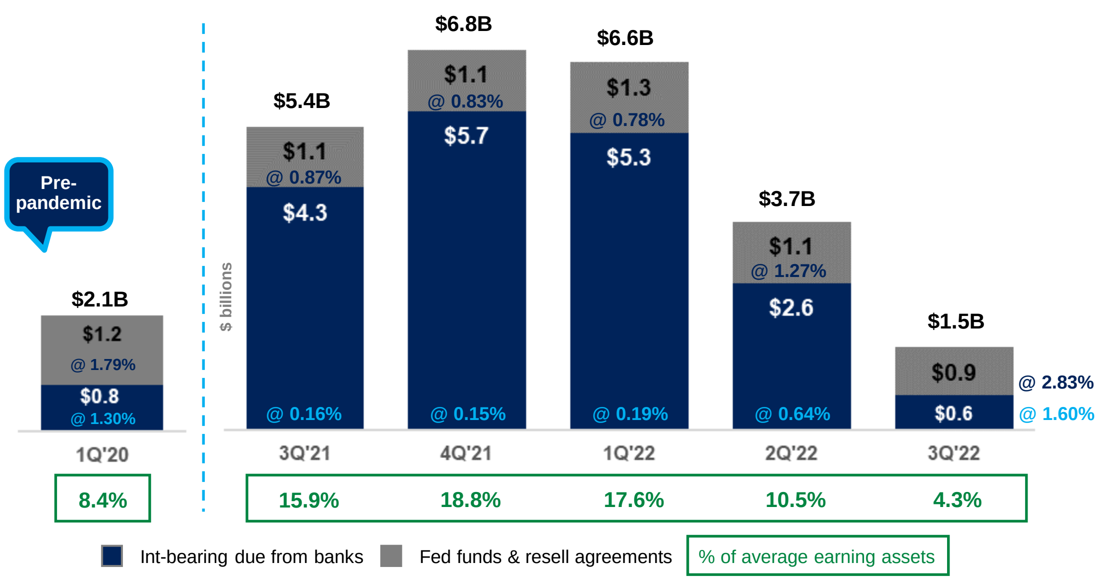
Net Interest Income



Asset Yield and Liability Cost Trends

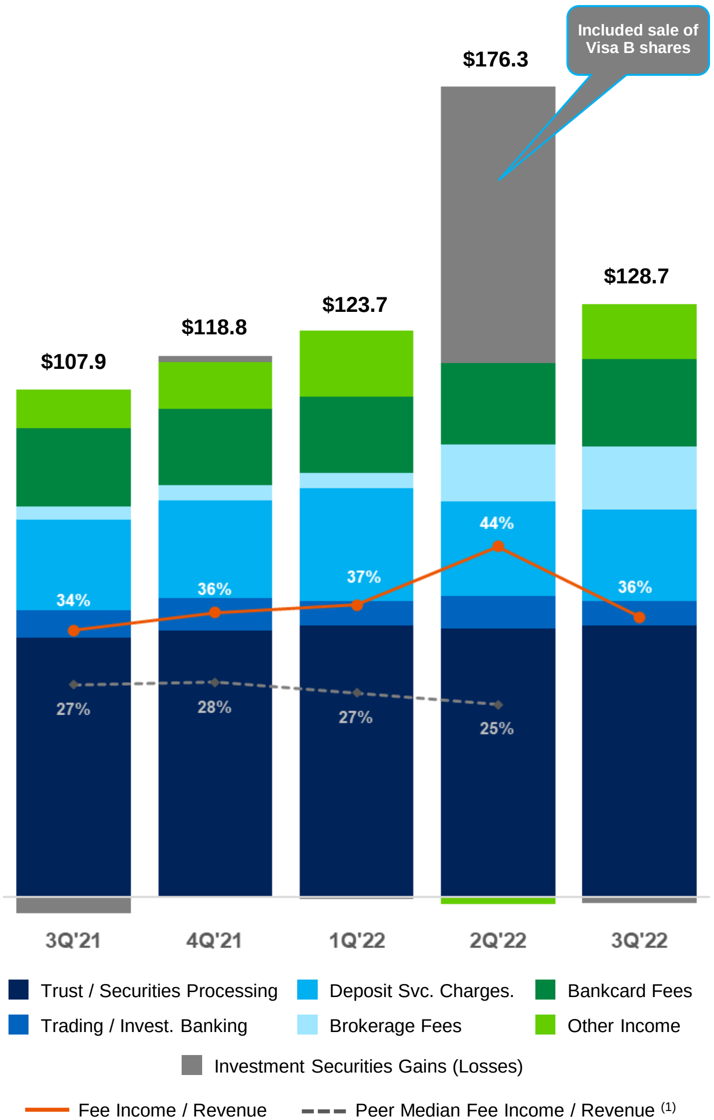


Liquidity Trends Impact NIM



Liquidity trends shown as average quarterly balances.

Noninterest Income



Current Quarter Drivers

Noninterest income was $128.7mm vs. $176.3mm in 2Q'22.

- Income from investment securities gains (losses) decreased $62.1mm, largely due to the realized gain on the sale of Visa Inc. Class B shares in the prior quarter.
- The remaining variance from 2Q'22 is primarily due to:
  - +$13.0mm in company-owned life insurance income and +$1.2mm in derivative income, both included in "other" income. The COLI income has a proportionate offset in noninterest expense;
  - +$1.5mm in bankcard income related to higher interchange levels and lower rebate/reward expense; and
  - +$1.4mm in brokerage income from money market revenue and 12b-1 fees.
  - Partially offset by a $1.7mm reduction in trading and investment banking income due to lower volumes.

Composition / Changes in Inv. Securities Gains (Losses) and Trust & Securities Processing

	3Q'21	2Q'22	3Q'22	LQ Variance $ Δ	LQ Variance % Δ
Investment Securities Gains (Losses)					
Equity securities	(4.6)	60.7	(1.3)	(62.0)	NM
AFS debt securities	1.1	-	-	-	-
	$(3.5)	**$60.7**	**$(1.3)**	**$(62.0)**	***NM***
Trust & Securities Processing					
Personal Banking	14.2	13.5	13.2	(0.3)	(2.2)
Institutional Banking					
Fund Services	31.8	32.9	33.8	0.9	2.7
Corp. Trust & Inst. Asset Mgmt.	10.9	12.5	12.6	0.1	0.8
	$56.9	**$58.9**	**$59.6**	**$0.7**	**1.2%**

Dollars in millions. (1) UMB traditional peers (15 banks), data as of latest available quarter. Source: S&P Global Market Intelligence.

Noninterest Expense

	3Q '21	4Q '21	1Q '22	2Q '22	3Q '22	Linked-Qtr. Variance $ ∆	% ∆
Salaries & benefits	125.0	131.4	130.6	121.4	136.5	15.1	12.4
Occupancy	12.2	10.9	12.2	12.0	12.2	0.3	2.1
Equipment	19.7	19.9	18.2	18.3	18.8	0.5	2.7
Supplies & services	3.4	4.6	3.3	3.5	3.1	(0.4)	(10.1)
Marketing & business dev.	4.9	6.5	4.9	5.3	6.7	1.4	25.7
Processing fees	16.6	19.1	18.4	19.3	20.9	1.6	8.1
Legal & consulting	7.6	10.9	6.9	11.3	10.3	(1.0)	(9.0)
Bankcard	4.8	4.9	6.6	5.9	6.6	0.7	11.4
Amortization; other intangibles	1.1	1.1	1.1	1.2	1.1	(0.1)	(10.9)
Regulatory fees	3.2	3.4	3.5	3.5	4.2	0.7	21.2
Other expense	10.4	9.8	9.1	12.5	11.1	(1.4)	(11.2)
Total noninterest expense	**$ 208.9**	**$ 222.5**	**$ 214.8**	**$ 214.1**	**$ 231.4**	**$ 17.3**	**8.1%**

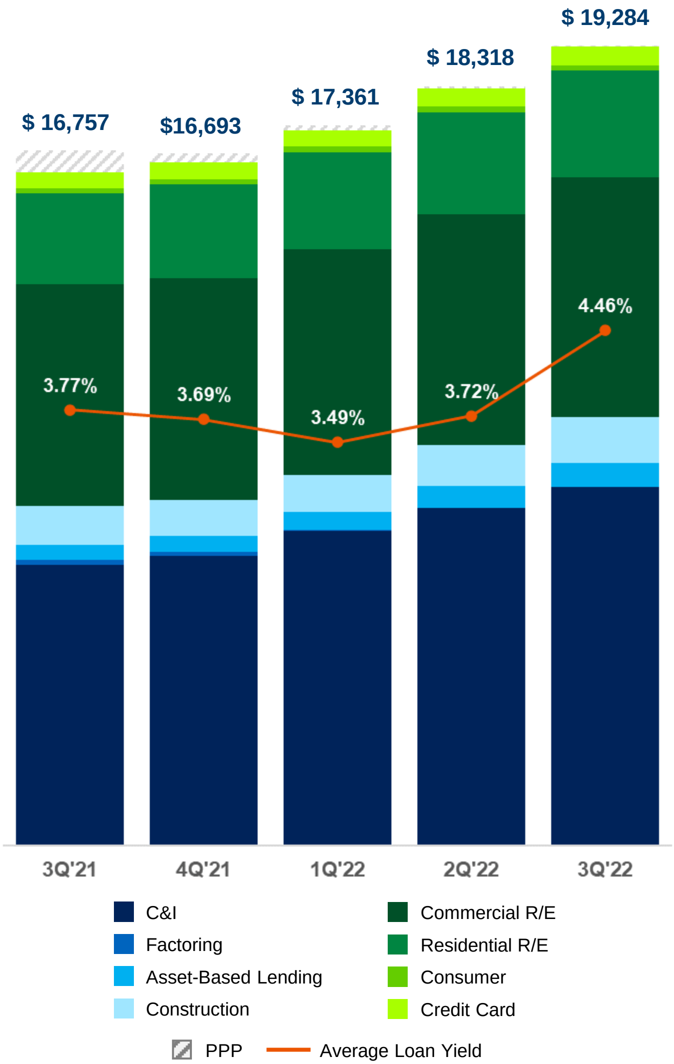
Current Quarter Drivers

Noninterest expense increased $17.3mm, or 8.1%, vs. 2Q'22. Primary drivers:

- +$11.5mm in deferred compensation expense in the salary & benefits line (offset by increased COLI income noted);
- +$4.5mm in salaries and wage expense, largely related to one additional salary day in the quarter;
- +$3.7mm in operational losses, recorded in "other" expense, that are not expected to recur; and
- Increases of $1.6mm and $1.4mm in processing fees and marketing and business development expense, respectively, due to the timing of multiple projects.
- These increases were partially offset by
  - a decrease of $4.8mm in charitable contributions, recorded in other expense.

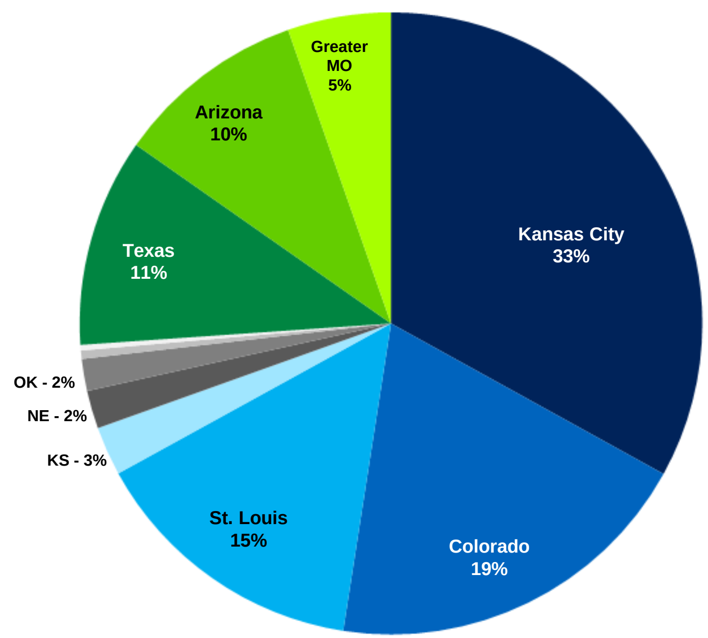
Dollars in millions. Columns may not sum due to rounding differences.

Diversified Loan Portfolio



	3Q '21	2Q '22	3Q '22	Linked-Qtr. Variance $ Δ	% Δ
Commercial & Industrial	6,775	8,141	8,656	515	6.3
CRE/Construction	6,285	6,570	6,892	323	4.9
Residential Real Estate	2,178	2,459	2,575	116	4.7
Specialty Lending	486	519	560	41	7.9
Credit Card	400	428	438	10	2.4
Consumer	116	148	142	(6)	(4.1)
Total ex. PPP	**$16,240**	**$18,265**	**$19,263**	**$999**	**5.5%**

Loans by Region



Average balances in millions.

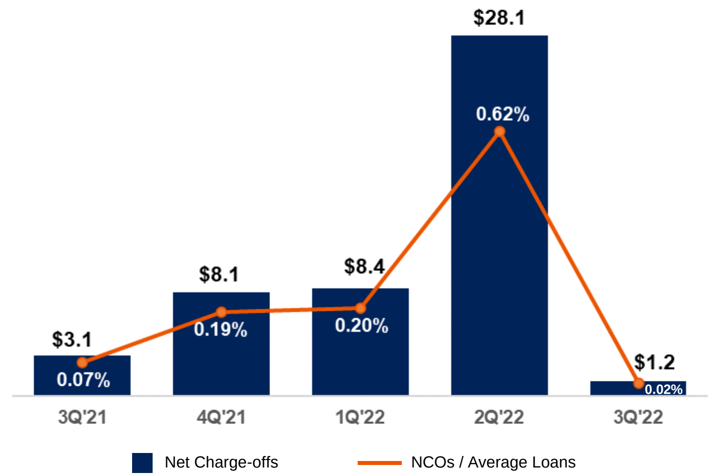
Quarterly Loan Activity

	3Q '21	4Q '21	1Q '22	2Q '22	3Q '22
Gross Loan Production ex. PPP	$904.8	$1,365.2	$1,088.7	$1,301.5	$1,278.9
Revolving Balance Changes	11.6	429.5	407.0	557.1	540.2
Net Charge-offs	(3.1)	(8.1)	(8.4)	(28.1)	(1.2)
Payoffs [(1)]	(674.0)	(606.9)	(474.2)	(243.0)	(401.1)
Paydowns [(1)]	(232.5)	(297.1)	(393.1)	(296.2)	(495.5)
Net Loan Growth	6.8	882.6	620.0	1,291.3	921.3
Total Loans ex. PPP	16,151.8	17,034.4	17,654.5	18,945.8	19,867.2
PPP Balances	317.7	136.5	77.2	26.4	16.4
End-of-Period Total Loans	16,469.5	17,170.9	17,731.7	18,972.2	19,883.6
Paydowns/Payoffs as a % of Loans ex. PPP	5.9%	5.6%	5.1%	3.1%	4.7%

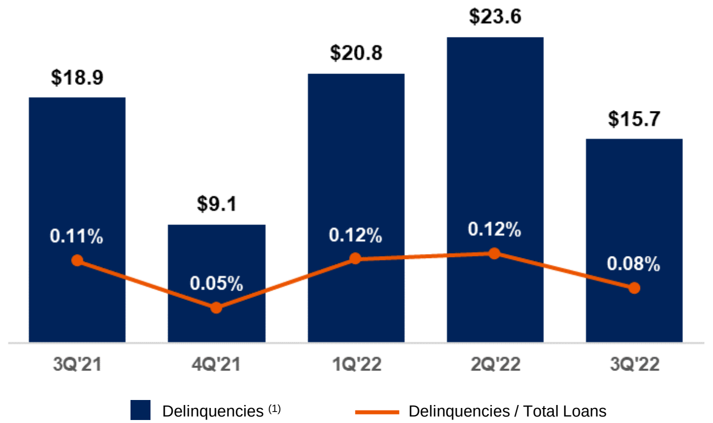
(1) Payoffs and paydowns include C&I and CRE loans.

Strong Asset Quality

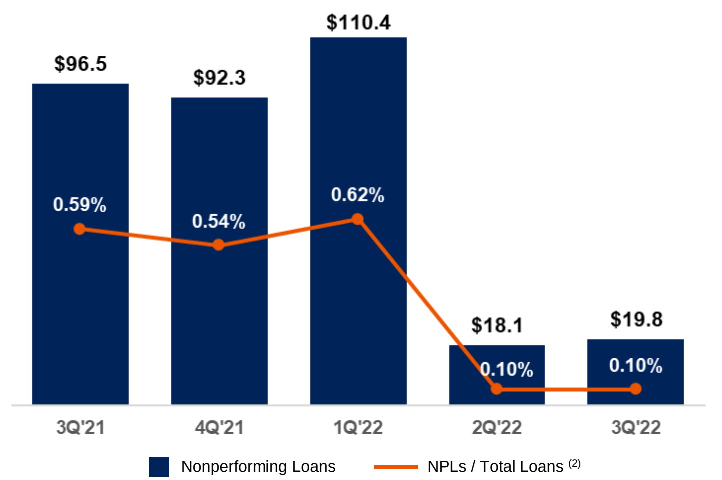
Net Loan Charge-Offs



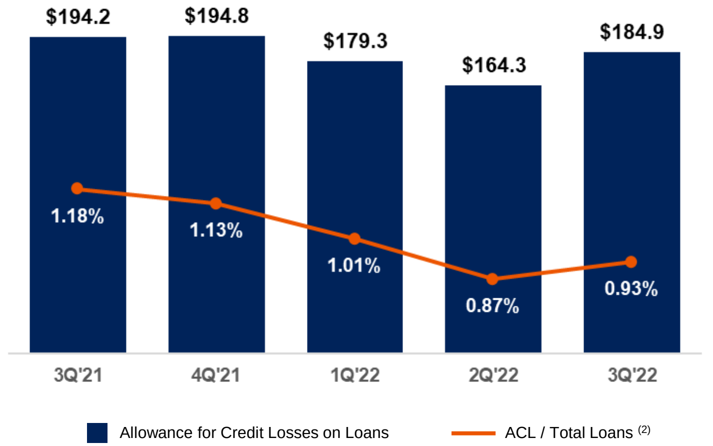
Delinquencies



Nonperforming Loans



Allowance for Credit Losses



Dollars in millions. (1) Delinquencies represent accruing loans > 30 days past due; (2) Total loans include PPP balances.

Detailed Net Charge-Off History

Historical

($ in thousands)	2006	2007	2008	2009	2010	2011	2012
Commercial Loans (1)	2,367	1,569	2,943	4,113	6,007	11,880	7,310
Other (1)	4,625	6,704	8,812	16,145	15,690	12,255	10,781
Total Net Charge-Offs	**$ 6,992**	**$ 8,273**	**$ 11,755**	**$ 20,258**	**$ 21,697**	**$ 24,135**	**$ 18,091**
Average Total Loans *($ in millions)*	$ 3,562	$ 3,888	$ 4,176	$ 4,356	$ 4,584	$ 4,749	$ 5,243
NCOs as % of Avg Loans	0.20%	0.21%	0.28%	0.47%	0.48%	0.51%	0.35%

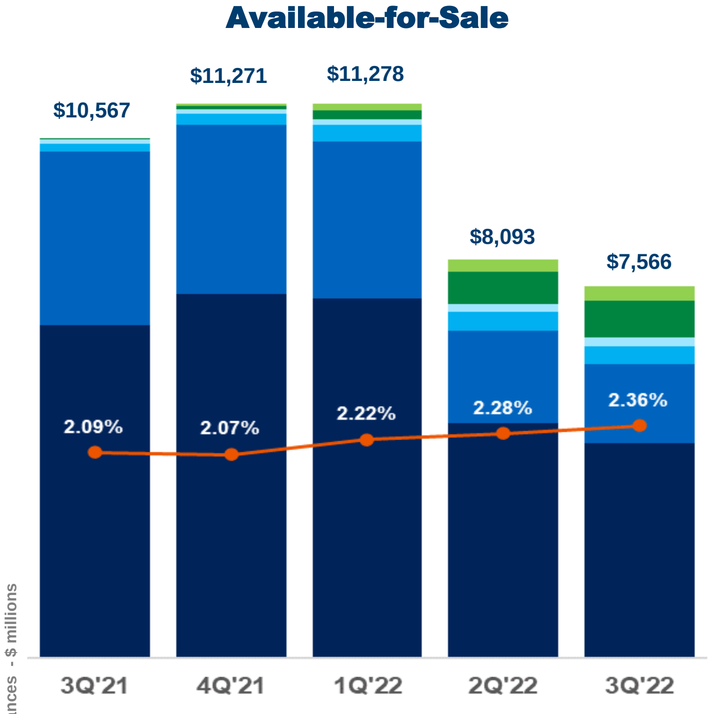
($ in thousands)	2013	2014	2015	2016	2017	2018	2019
Commercial Loans (1)	3,881	6,459	3,415	9,192	24,463	57,618	28,970
Other (1)	10,294	9,152	7,082	12,802	7,582	10,101	5,727
Total Net Charge-Offs	**$ 14,175**	**$ 15,611**	**$ 10,497**	**$ 21,994**	**$ 32,045**	**$ 67,719**	**$ 34,697**
Average Total Loans *($ in millions)*	$ 6,217	$ 6,974	$ 8,424	$ 9,986	$ 10,842	$ 11,605	$ 12,759
NCOs as % of Avg Loans	0.23%	0.22%	0.12%	0.22%	0.30%	0.58%	0.27%

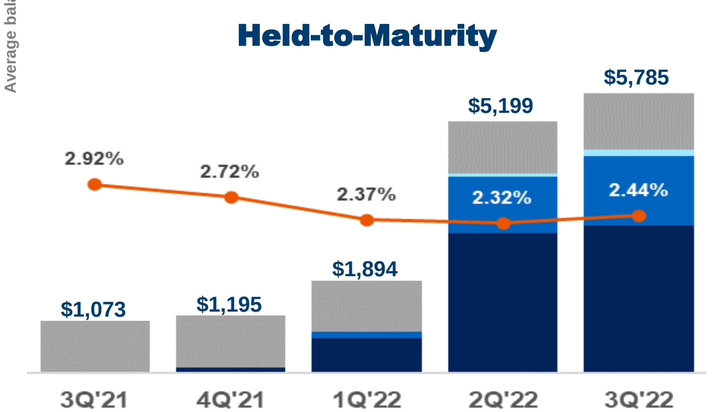
Recent Trends

($ in thousands)	FY 2020	FY 2021	3Q'21	4Q'21	1Q'22	2Q'22	3Q'22
Commercial & Industrial	2,114	7,287	427	5,902	7,541	27,286	(29)
Specialty Lending	-	31,758	(3)	(33)	-	(1)	(429)
Commercial Real Estate	11,848	(362)	(136)	1,121	(362)	(23)	-
Consumer Real Estate	150	(46)	(16)	(3)	4	(57)	(11)
Consumer	300	2,201	1,699	341	129	130	212
Credit Cards	5,708	4,044	1,156	733	1,066	793	1,430
Leases & Other	5	(10)	-	-	-	-	-
Total Net Charge-Offs	**$ 20,125**	**$ 44,872**	**$ 3,127**	**$ 8,061**	**$ 8,378**	**$ 28,128**	**$ 1,173**
Average Total Loans *($ in millions)*	$ 15,109	$ 16,618	$ 16,744	$ 16,690	$ 17,360	$ 18,317	$ 19,284
NCOs as % of Avg Loans	0.13%	0.27%	0.07%	0.19%	0.20%	0.62%	0.02%

(1) Loan categories updated in 2020 with adoption of ASU 2016-13. In prior periods, NCOs for "Commercial" included C&I, commercial card, ABL and factoring loans. NCOs for "Other" included consumer cards, all real-estate loans, consumer loans and DDA.

High-Quality Investment Portfolio





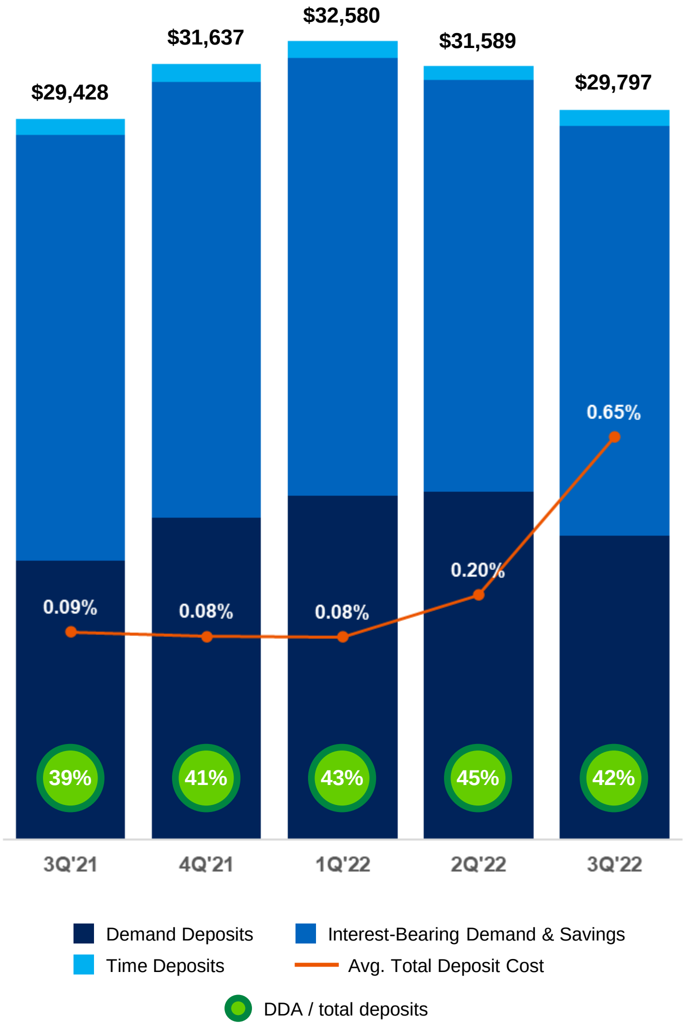
Securities Portfolio Statistics & Activity (1)

$ in millions	3Q'21	4Q'21	1Q'22	2Q'22	3Q'22
Roll-off / Cash Flow	$375	$407	$446	$384	$304
Roll-off Yield	1.98%	1.81%	2.00%	2.12%	1.96%
Purchased (2)	1,141	1,670	868	912	54
Purchased Yield	1.28%	1.46%	1.89%	2.96%	4.86%
Next Quarter Scheduled Cash Flows	369	453	248	300	289
Expected Cash Flow Yield	1.80%	1.94%	1.88%	1.86%	1.83%
Next 12 months Scheduled Cash Flows	1,473	1,620	936	1,167	1,132
Expected Cash Flow Yield	1.84%	1.79%	1.95%	1.84%	1.83%
AFS Duration in Months					
As-stated	67	61	59	57	54
Swap-adjusted (3)	61	57	52	49	47
HTM Duration in Months			88	93	92

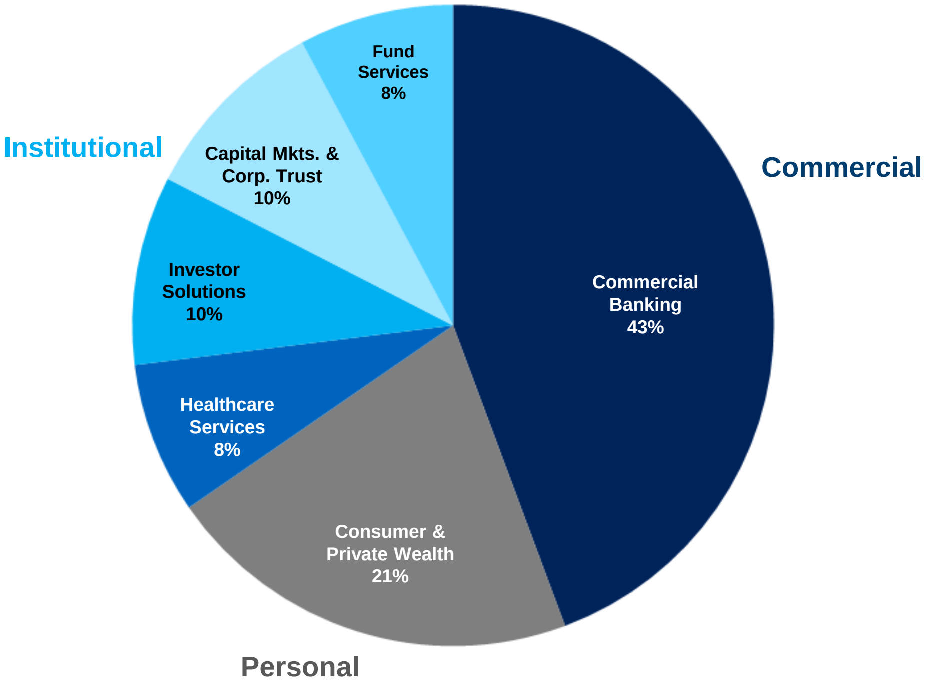
Mortgage-Backed | Municipals | Corp. & Com. Paper | Agencies | Treasuries | CLOs | Industrial Revenue Bonds | Avg. Blended Yield

(1) Cash flow and purchase activity and HTM duration includes AFS and the portion of the HTM portfolio managed by the Corporate Treasury team; excludes industrial revenue bonds held-to-maturity;
(2) Purchases made for roll-off and overbuy; net of purchases related to sales/trades. (3) Includes impact of ~$608mm pay-fixed receive-float swap portfolio with varying start dates.

Diversified Deposit Mix



Deposits by Line of Business



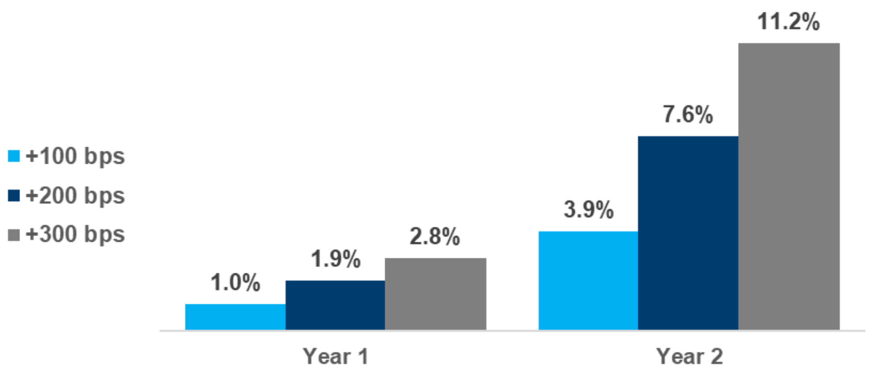
	3Q '21 (1)	2Q '22	3Q '22	Linked-Qtr. Variance $ Δ	% Δ
Commercial	13,211	12,973	13,209	236	1.8
Healthcare Services	2,404	2,257	2,276	19	0.8
Asset Servicing	1,589	2,379	2,325	(54)	(2.3)
Investor Solutions	2,576	3,166	2,841	(325)	(10.3)
Consumer & Private Wealth	6,248	6,690	6,275	(415)	(6.2)
Capital Markets / Corp. Trust	3,400	4,124	2,871	(1,253)	(30.4)
Total	**$29,428**	**$31,589**	**$29,797**	**$(1,792)**	**(5.7%)**

Average balances in millions. (1) Small business deposits were moved from consumer to commercial in 1Q '22.

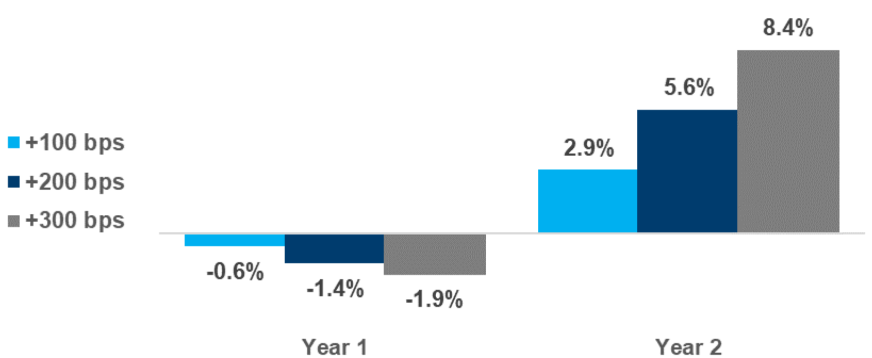
Interest Rate Sensitivity

Impact to Net Interest Income

Shock Scenario – Static Balance Sheet



Ramp Scenario – Static Balance Sheet



Assumptions

- Projected rates for new loans and deposits based on historical analysis, management outlook and repricing strategies
- Asset prepayments and other market risks are developed from industry estimates of prepayment speeds and other market changes

Loan Repricing

61% of total end-of-period loans, or $12.1B, are variable.

Of variable loans:

- 71% reprice within 12 months
  - 34% tied to LIBOR (1)
  - 32% - Prime
  - 30% - SOFR
  - 4% - other

(1) Loans tied to LIBOR are expected to migrate to the Secured Overnight Financing Rate index ("SOFR") or other indices by 2Q '23.

Line of Business Updates

Dallas, TX

Commercial Banking
Commercial Capabilities

Commercial Lending Portfolio

Middle Market
- C&I Lending
- Owner-Occupied CRE
- Working capital lines
- Equipment loans

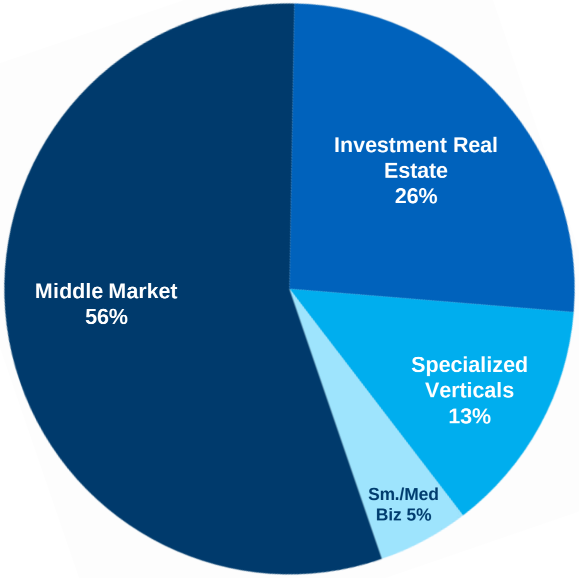
Investment Real Estate
- Office
- Industrial
- Hotel
- Retail
- Multi-family
- Student Housing

Lending Verticals
- Agribusiness
- Asset-based Lending
- Aviation Lending
- Beverage Lending
- Energy Lending

Small / Medium Business
- Business Banking
- Practice Finance
- Small Business Banking

Average Balance

$16.1B



TOP 10 **Prepaid & Purchasing Card Volume (1)**

TOP 15 **Commercial Credit Card Purchase Volume (1)**

#28

Largest farm lenders in the U.S. (2)

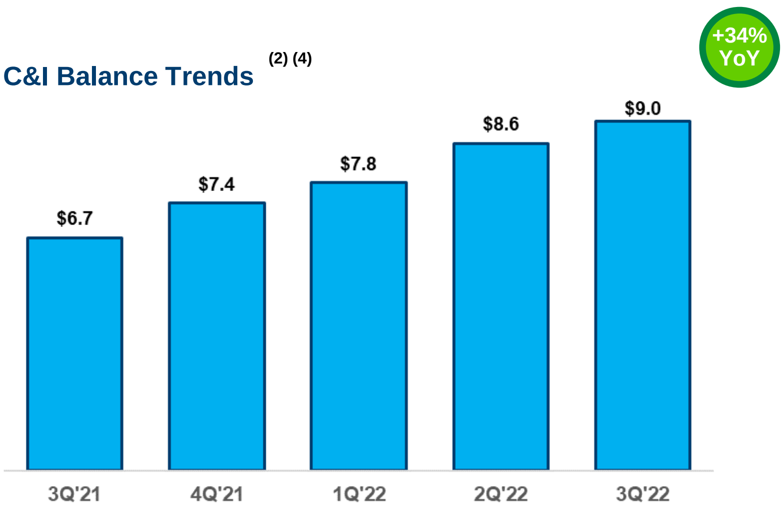
Average balance for 3Q'22, excludes credit card. (1) Rank among U.S. Visa & Mastercard Commercial Card Issuers, Source: Nilson Report, '21; (2) ABA 2021, FDIC data.

Commercial Banking
C&I Lending

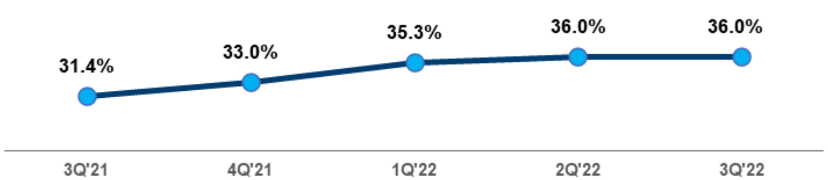
Commercial & Industrial Statistics

- Average loan size: $5.4 million
- Considerations
  - Internal limits on loan size and projects per sponsor
  - Concentration guidelines for all lending verticals, monitored for changing conditions

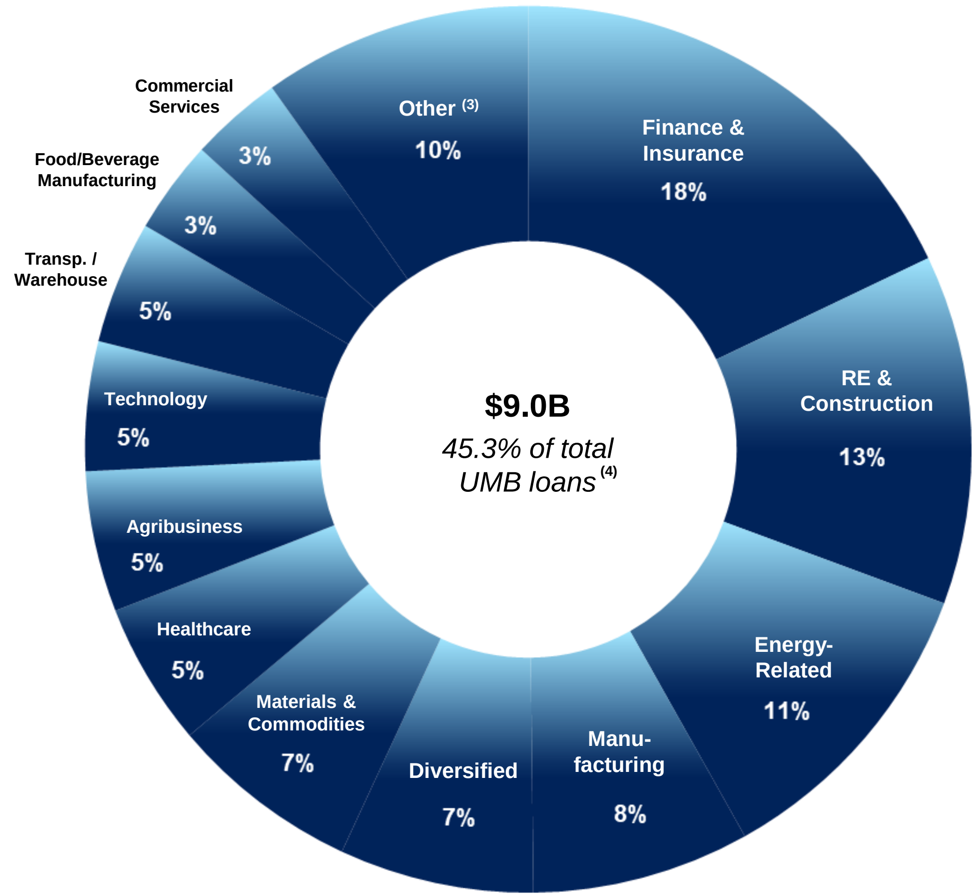
C&I Balance Trends (2) (4)



Average Line Utilization Trends



C&I Industry Diversification (1) (2)



(3) **Other - 10%**

- Retail
- Auto-related
- Entertainment/Recreation
- Consumer Services
- Apparel / Textiles
- Government/Education
- Miscellaneous / Undefined

(1) Includes C&I and leases; Industries as a percentage of C&I loans; (2) End-of-period balances; (4) Excludes PPP loans.

Commercial Banking
Commercial Real Estate

Commercial Real Estate Statistics

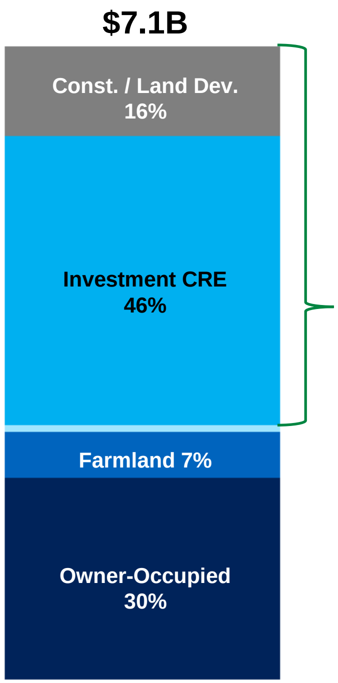
- Owner-occupied – new purchase or refinance
- Real estate development – construction / perm financing, bridge financing, renovations
- Investment CRE – 3 to 10-year term loans for property investors

Total Investment CRE Portfolio

- Average Loan-to-Value: 61%
- Recourse: 85%

Average Loan-to-Value, Select Industries

- Industrial / 66%
- Office / 65%
- Retail / 63%
- Hotel / 53%
- Multifamily / 55%
- Sr. Living / 66%
- Mixed Use / 56%
- Student Housing / 72%



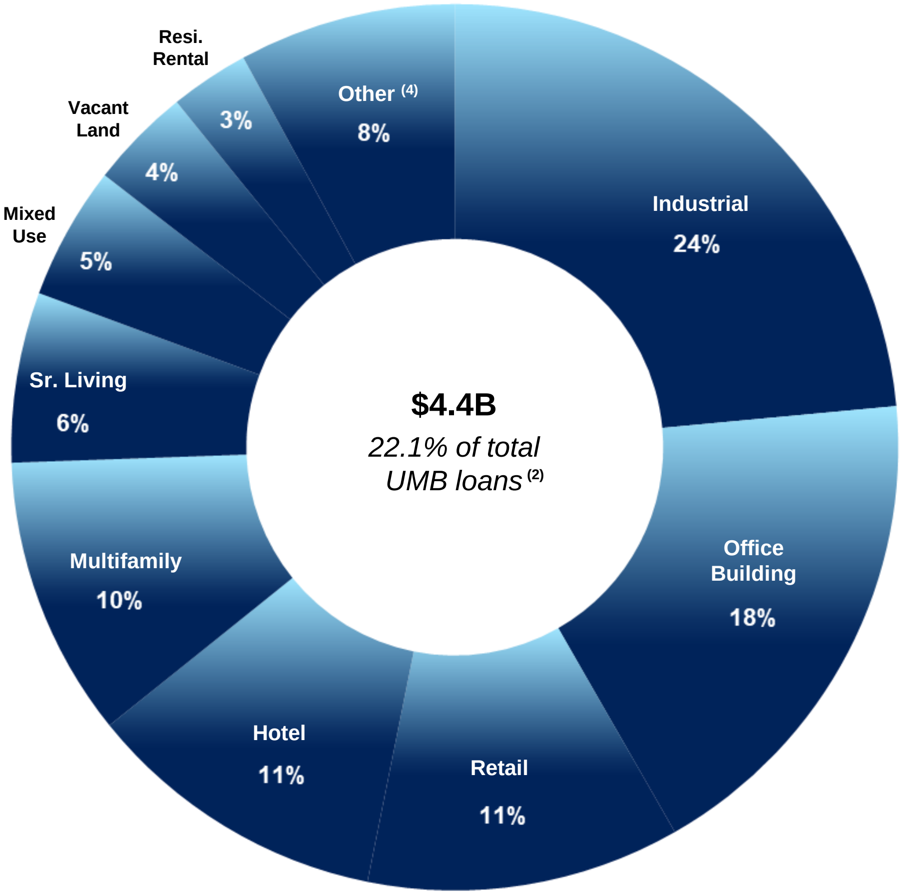
as of Sept. 30, 2022

1-4 Unit Residential Construction = 1% of total

Regulatory Concentrations [3]

- Total non-farmland CRE / Total RBC: 156%
- Construction & Development Loans / Total RBC: 38%

Investment CRE / Construction Portfolio [1]



[4] **Other - 8%**

- Student Housing
- Healthcare
- Home Builder for-sale
- Special Purpose
- Self-storage
- Manufactured Housing

(1) Industries as a percentage of investment CRE and construction portfolio; (2) Excludes PPP loans; (3) Calculated using Tier 1 capital plus an adjusted ACL, per regulatory guidelines.

Personal Banking
Consumer

Strategic & Stable Source of Low-Cost Funds

Consumer plays a strategic role for UMB as a large and stable source of deposits. Poised for continued asset growth.

YoY Growth

Total Average Deposits	Total Average Loans	Total Average Mortgage
6.3B	**2.7B**	**2.2B**
+0.4% YoY	**+18%** YoY	**+23%** YoY

Diversified Products, Services & Engagement

New 1st Time Homebuyer Program with Down Payment Assistance

1,000+ Applications YTD — Provided $1.6mm in down payment assistance to new homeowners

Financial Education – powered by EVERFI

12,000 — 3Q '22 page views for UMB Financial Education Center landing page

Community Engagement & Sponsorships

22 Organizations engaged

24 Financial Education classes

Hybrid Service & Sales Model—provides channel of choice & drives customer satisfaction

Retail Banking

Strategically positioned for sales growth

91 Banking Centers

233 ATMs

Private Banking

Growth engine for new customers and deepening existing relationships.

29 Private Bankers across 9 regions

$1.9B Average Private Banking Deposits

Digital Banking Q3 2022

$19mm 25% of non-mortgage loan applications

9% of new retail deposit accounts

$51mm Consumer deposits via Mobile **+16% YoY**

NPS Score

72.2

UMBF

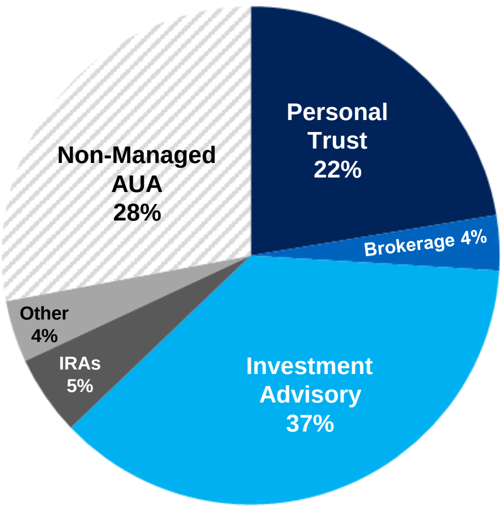
Industry Average (1)

51

Metrics at or for the quarter ended 09/30/22. (1) 2021 Net Promoter Score across 43 financial services companies. Source: Medallia, Inc.

Personal Banking
Private Wealth Management

Customer Assets



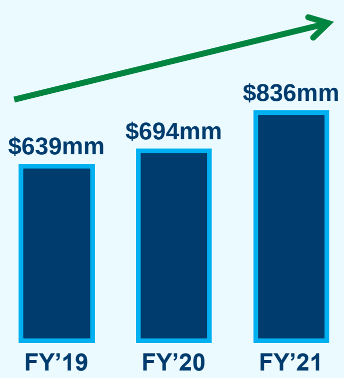
$10.5B

Managed Assets (AUM)

$4.0B

Non-Managed Assets (AUA)

New Assets / Sales (1)



$874mm

YTD '22

Wealth Management

- Financial planning
- Discretionary investment management
- Investment research & education
- Brokerage services

Trust Management and Estate Planning

- Charitable foundation planning & administration
- Trustee & successor trustee services
- Personal custody, including self-directed IRAs
- Unique asset administration
- Fine art management
- Trust tax preparation

Family Wealth Management

A multi-family office

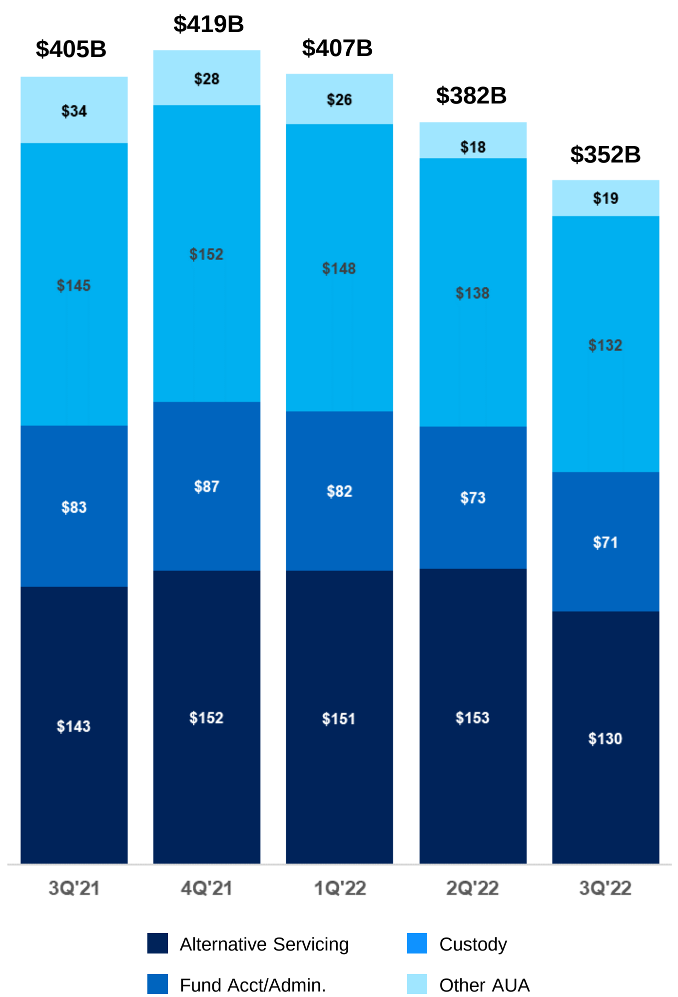
- Strategic wealth solutions for ultra-high net worth families
- Business succession planning & continuity
- Direct private equity investments opportunities

Composition as of 09/30/22. (1) Includes AUM and AUA.

Institutional Banking
Fund Services & Institutional Custody

UMB

Assets Under Administration



Fund Services – Registered Funds & Alternative Investments

Provides services for 1,700 funds, including registered and alternative investment funds, PE funds, real estate and venture capital funds and ETFs and more.

Best Interval Fund Administrator (1)

Best Administrator – Technology (2)

Best Administrator – GPs with assets <$30B (3)

Institutional Custody

One of the nation's leading providers of domestic and global custody, serving insurance companies, public & private corporations, nonprofits, municipalities, fund companies and endowments. Established in 1948.

Best Custodian – 2021 & 2022 (4)

+201

Net New Accounts YTD
+29% vs. YTD '21

(1) With Intelligence '19-'20 & '22 Awards; (2) Hedgeweek U.S. Awards '20 & PE Wire U.S. Awards '20; (3) PE Wire '21; (4) HFM U.S. Services Awards '21 – '22.

Institutional Banking
Corp/Specialty Trust & Capital Markets

UMB

Corporate Trust & Escrow Services

Provides trustee, paying agent and escrow services to municipal and corporate issuers.

#3
Municipal Trustee (1) (2) & Paying Agent (2) in U.S.

+16%
New Business $ Volume YTD

1,705 Deals in '22

$32B
Assets Under Administration

Specialty Trust & Agency Solutions

Services for asset-backed securitizations, aviation and other transportation and real estate projects. Workout and successor trustee services on behalf of bondholders of defaulted transactions.

+9%
533 Deals YTD vs. 490 in 2021

+35%
Growth in New Business $ Volume YTD

TOP 10

#1 Agent for Debtor-in-Possession financing (3)

#7 Aviation & Asset-Based Securitization Trustee (4)

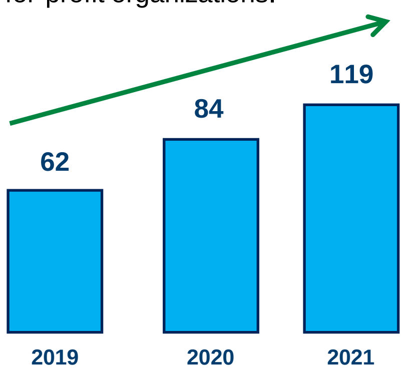
Capital Markets Division

Capital solutions including fixed income sales, trading and underwriting for institutional, municipal and not-for-profit organizations.

Public Finance

110

Closed Deals YTD '22



Annual - Closed Deals

Examples of recent deals:

City of New Braunfels, TX	City of Burleson, TX	UMB Financial Corp.
$15,695,000	**$12,340,000**	**$110,000,000**
▪ General Obligation Bonds, Series 2022	▪ Combined Tax & Rev. C/O, Series 2022	▪ Subordinated Notes due 2032 ▪ Co-manager
$9,415,000	**$1,365,000**	
▪ Tax Notes, Series 2022	▪ General Obligation Bonds, Series 2022	

Products and services offered through UMB Bank Capital Markets Division
NOT FDIC INSURED | MAY LOSE VALUE | NOT BANK GUARANTEED.

(1) Ranked by proceeds and number of issues; (2)Thomson Reuters municipal rankings, Sept. 2021; (3) Debtwire - ranking 1H'21; (4) Green Street Advisors' Asset-Based Alert – 2021.

Institutional Banking
Investor Solutions & Healthcare Services

UMB

Investor Solutions

Our banking as a service (BaaS) solution includes deposit services for checking, saving, and investment accounts, including expanded FDIC insurance through our proprietary Sweep Program.

Sample Fintech Partnerships

BOND | Brex | Edelman Financial Engines | FIGURE | personal CAPITAL AN EMPOWER COMPANY | SoFi

$68B

FDIC Sweep Assets Under Administration
~ 6mm accounts

>65mm

Annual ACH Transactions

Healthcare Services

Provides a suite of tax-advantaged benefit accounts including Health Savings Accounts (HSAs), Flexible Spending Accounts (FSAs), Health Reimbursement Arrangements (HRAs), and Commuter Benefit Accounts.

INVESTOR'S BUSINESS DAILY BEST 2021 HSAs

Recognized for Investment Quality (1)

TOP 10

Top 10 HSA Custodians in the U.S. (2)

Named a Top HSA for Features & Investment Options (1)

1.3mm

HSA Account Holders

5.1mm

Benefit Cards

$2.6B

In HSA Assets & Deposits

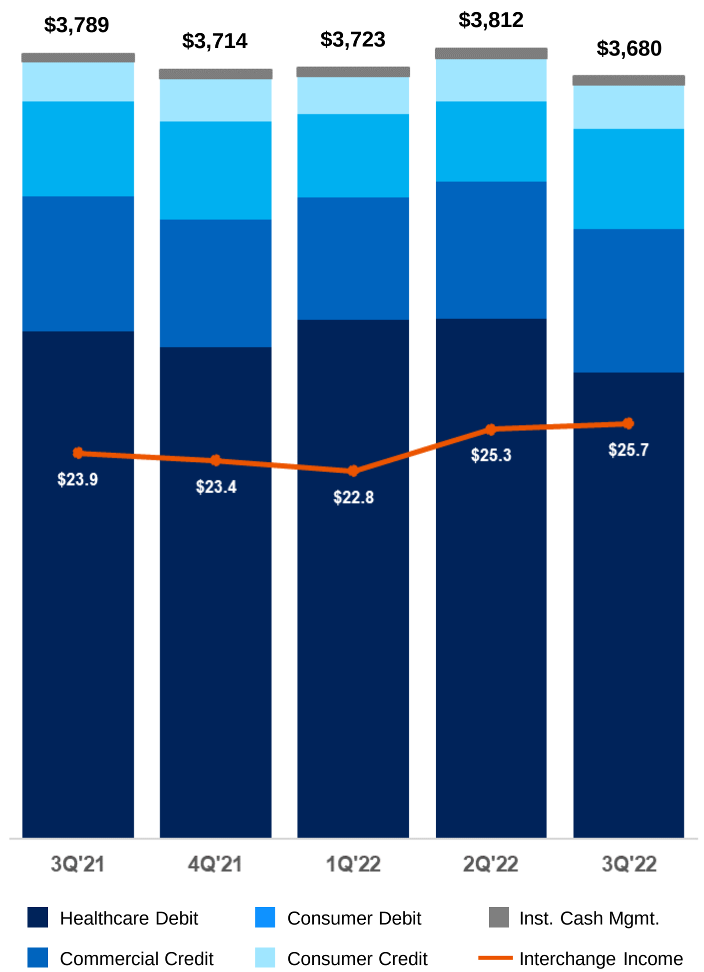
+$500mm

Agreement to acquire HSA business from Old National June 2022 (3)

(1) Investor's Business Daily '21; (2) #7 by total accounts - Devenir Research Mid-Year '22; (3) ~$400mm in deposits & $100mm in assets. Expected closing 4Q'22.

Payments
Credit & Debit Card Products

Card Purchase Volume & Interchange Trends



3Q '22 Card Spend

$3.7B

#23

23rd In U.S. Credit Card Purchase Volume (1)

Dollars in millions. (1) Rank in commercial, consumer and small business cards among top 50 U.S. issuers. Source: Nilson Report, December 2021.

Appendix

Denver, CO

Governance
Our Board of Directors

Robin Beery
CC (Chair), RC

Janine Davidson
CC, GC

K.C. Gallagher
AC, RC

Greg Graves
Lead Independent Director, GC (Chair)

Mariner Kemper
Chairman of the Board

Sandy Kemper

Gordon Lansford
AC (Chair), CC

Tim Murphy
AC, CC

Tammy Peterman
GC, RC

Kris Robbins
AC, RC (Chair)

Josh Sosland
GC, RC

Leroy Williams
CC, RC

Advisory Directors

Jim Rine
CEO, UMB Bank, n.a.

Tom Wood

AC = Audit Committee; CC = Compensation Committee; GC = Governance Committee; RC = Risk Committee

Forward-Looking Statements

This presentation contains, and our other communications may contain, 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 “believe,” “expect,” “anticipate,” “intend,” “estimate,” “project,” “outlook,” “forecast,” “target,” “trend,” “plan,” “goal,” or other words of comparable meaning or future-tense or conditional verbs such as “may,” “will,” “should,” “would,” or “could.”

Forward-looking statements convey our expectations, intentions, or forecasts about future events, circumstances, results, or aspirations. All forward-looking statements are subject to assumptions, risks, and uncertainties, which may change over time and many of which are beyond our control. You should not rely on any forward-looking statement as a prediction or guarantee about the future. Our actual future objectives, strategies, plans, prospects, performance, condition, or results may differ materially from those set forth in any forward-looking statement. Some of the factors that may cause actual results or other future events, circumstances, or aspirations to differ from those in forward-looking statements are described in our Annual Report on Form 10-K, our Quarterly Reports on Form 10-Q or Current Reports on Form 8-K, or other applicable documents that are filed or furnished with the U.S. Securities and Exchange Commission (SEC).

In addition to such factors that have been disclosed previously: macroeconomic and other challenges and uncertainties related to the COVID-19 pandemic, such as the impacts to the U.S. and global economies; sustained levels of high inflation and the potential for an economic recession on the heels of aggressive quantitative tightening by the Federal Reserve, and impacts related to or resulting from Russia’s military action in Ukraine, such as the broader impacts to financial markets and the global macroeconomic and geopolitical environments, may also cause actual results or other future events, circumstances, or aspirations to differ from our forward-looking statements.

Any forward-looking statement made by us or on our behalf speaks only as of the date that it was made. We do not undertake to update any forward-looking statement to reflect the impact of events, circumstances, or results that arise after the date that the statement was made, except to the extent required by applicable securities laws. You, however, should consult disclosures (including disclosures of a forward-looking nature) that we may make in any subsequent Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K, or other applicable document that is filed or furnished with the SEC.

Non-GAAP Reconciliations

The following are non-GAAP measures used by from time to time. To the extent a non-GAAP measure is used during this presentation, a reconciliation to such measure's closest GAAP equivalent is provided below. UMB believes that these non-GAAP financial measures may be useful to investors because they adjust for items that management does not believe reflect the Company's fundamental operating performance.

- Operating PTPP income for the relevant period is defined as GAAP net interest income plus GAAP noninterest income, less noninterest expense, adjusted to reflect the impact of excluding expenses related to acquisitions, severance expense, and COVID-19 related expense.
- Operating PTPP-FTE for the relevant period is defined as GAAP net interest income on a fully tax equivalent basis plus GAAP noninterest income, less noninterest expense, adjusted to reflect the impact of excluding expenses related to acquisitions, severance expense and COVID-19 related expense.
- Tangible book value per share is defined as total shareholders' equity, net of intangible assets, divided by total shares outstanding.
- Tangible common equity ratio is calculated as total shareholders' equity, net of intangible assets, divided by total assets, net of intangible assets.

Operating Pre-Tax, Pre-Provision Income

	Three Months Ended				
	Sept. 30, 2022	Jun. 30, 2022	Mar. 31, 2022	Dec. 31, 2021	Sept. 30, 2021
Net interest income (GAAP)	$ 233,485	$ 224,791	$ 210,355	$ 210,570	$ 209,765
Noninterest income (GAAP)	128,723	176,335	123,678	118,782	107,907
Noninterest expense (GAAP)	231,396	214,127	214,778	222,483	208,869
Adjustments to arrive at operating noninterest expense:					
Acquisition expense	71	--	--	18	--
Severance expense	283	52	145	359	639
COVID-19 related expense	--	--	--	169	190
Total Non-GAAP adjustments	354	52	145	546	829
Operating noninterest expense (Non-GAAP)	231,042	214,075	214,633	221,937	208,040
Operating pre-tax, pre-provision income (Non-GAAP)	$ 131,166	$ 187,051	$ 119,400	$ 107,415	$ 109,632
Net interest income EPS - diluted (GAAP)	$ 4.80	$ 4.62	$ 4.31	$ 4.31	$ 4.30
Noninterest income (GAAP)	2.65	3.62	2.53	2.43	2.22
Noninterest expense (GAAP)	4.76	4.40	4.40	4.55	4.29
Acquisition expense	--	--	--	--	--
Severance expense	0.01	--	--	0.01	0.01
COVID-19 related expense	--	--	--	--	--
Operating pre-tax, pre-provision EPS - diluted (Non-GAAP)	$ 2.70	$ 3.84	$ 2.44	$ 2.20	$ 2.24

(unaudited, dollars in thousands except per share data)

Non-GAAP Reconciliations

UMB

Tangible Common Equity Ratio

	As of		
	Sept. 30, 2022	**Dec. 31, 2021**	**Dec. 31, 2006**
Total shareholders' equity (GAAP)	$ 2,523,545	$ 3,145,424	$ 848,875
Less: Intangible assets			
Goodwill	182,225	174,518	93,723
Other intangibles, net	13,373	14,416	19,309
Total intangibles, net	195,598	188,934	113,032
Total tangible shareholders' equity (Non-GAAP)	$ 2,327,947	$ 2,956,490	$ 735,843
Total assets (GAAP)	$ 37,581,062	$ 42,693,484	$ 8,917,765
Less: Intangible assets			
Goodwill	182,225	174,518	93,723
Other intangibles, net	13,373	14,416	19,309
Total intangibles, net	195,598	188,934	113,032
Total tangible assets (Non-GAAP)	$ 37,385,464	$ 42,504,550	$ 8,804,733
Total shareholders' equity to total assets ratio (GAAP)	6.71%	7.37%	9.52%
Tangible common equity to tangible assets ratio (Non-GAAP)	6.23%	6.96%	8.36%

(unaudited, dollars in thousands)

Non-GAAP Reconciliations

UMB

Tangible Book Value

	As of				
	Sept. 30, 2022	Jun. 30, 2022	Dec. 31, 2021	Sept. 30, 2021	Dec. 31, 2006
Total shareholders' equity (GAAP)	$ 2,523,545	$ 2,642,888	$ 3,145,424	$ 3,112,840	$ 848,875
Less: Intangible assets					
Goodwill	182,225	182,225	174,518	174,518	93,723
Other intangibles, net	13,373	14,465	14,416	15,526	19,309
Total intangibles, net	195,598	196,690	188,934	190,044	113,032
Total tangible shareholders' equity (Non-GAAP)	$ 2,327,947	$ 2,446,198	$ 2,956,490	$ 2,922,796	$ 735,843
Total shares outstanding	48,309,638	48,305,286	48,430,805	48,355,373	42,266,041
Ratio of total shareholders' equity (book value) per share	$ 52.24	$ 54.71	$ 64.95	$ 64.37	$ 20.08
Ratio of total tangible shareholders' equity (tangible book value) per share (Non-GAAP)	$ 48.19	$ 50.64	$ 61.05	$ 60.44	$ 17.41

(unaudited, dollars in thousands except per share data)

Our Peer Group

ASB	Associated Banc-Corp	ONB	Old National Bancorp
BOKF	BOK Financial Corporation	PNFP	Pinnacle Financial Partners, Inc.
CADE	Cadence Bank	PB	Prosperity Bancshares, Inc.
CBSH	Commerce Bancshares, Inc.	SNV	Synovus Financial Corp.
CFR	Cullen/Frost Bankers, Inc.	UMPQ	Umpqua Holdings Corporation
FNB	F.N.B. Corporation	VLY	Valley National Bancorp
FULT	Fulton Financial	WTFC	Wintrust Financial Corporation
HWC	Hancock Whitney Corporation		

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