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# Outlook for US regional banks: Credit growth slowing and credit conditions tightening

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**Apollo Global Management** 

August 2023

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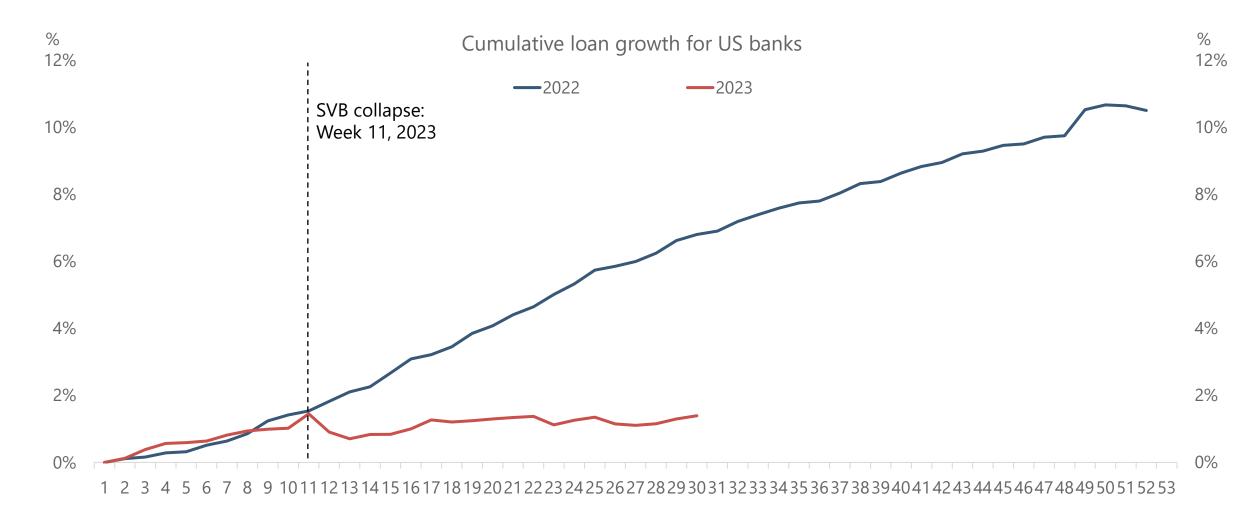
12. Community banks

Source: Apollo Chief Economist

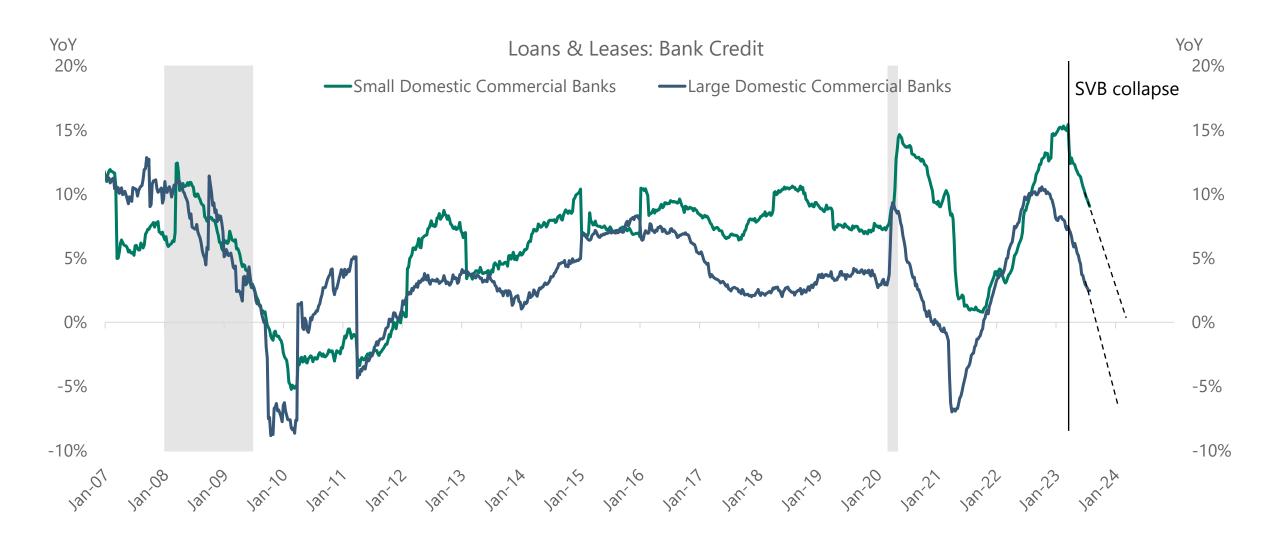
Overview:

Credit growth slowing and credit conditions deteriorating

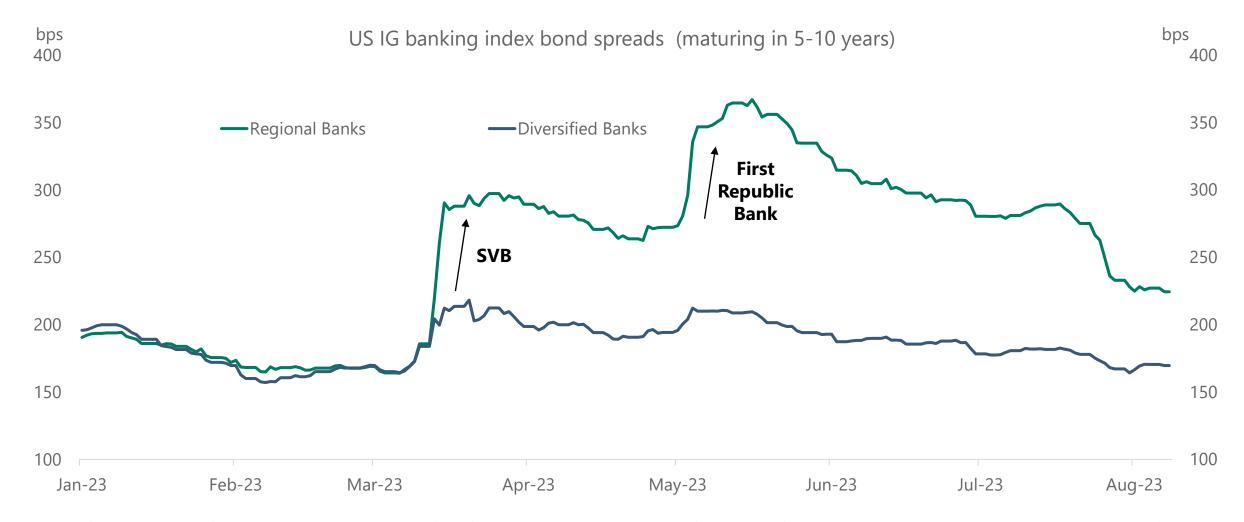
# SVB having a permanent effect



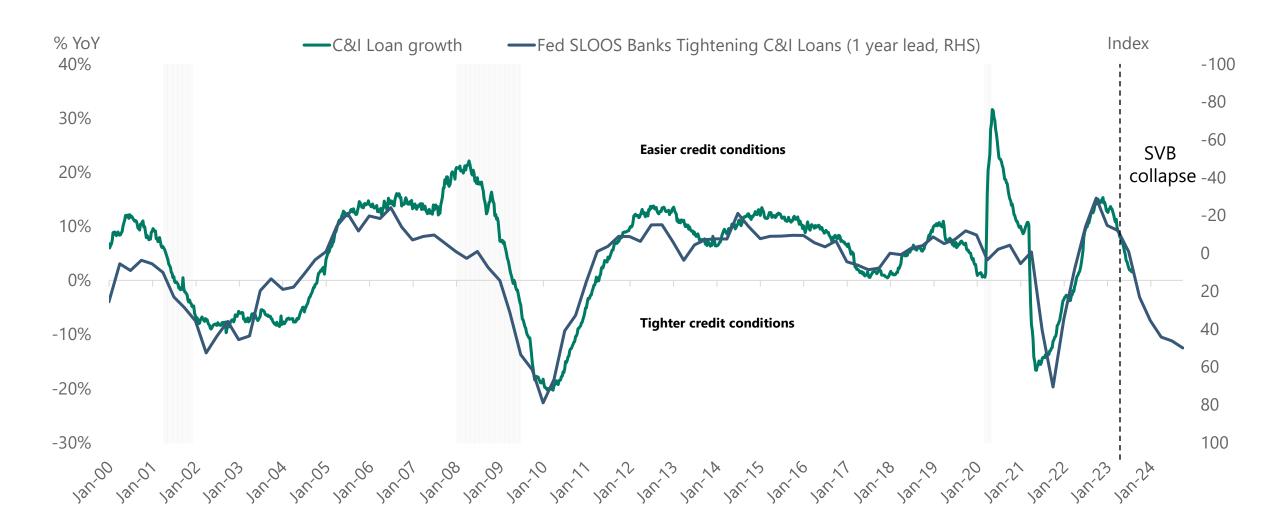
# Weekly Fed data shows small and large bank lending growth slowing rapidly after SVB



# SVB and FRC lifted funding costs for banks permanently

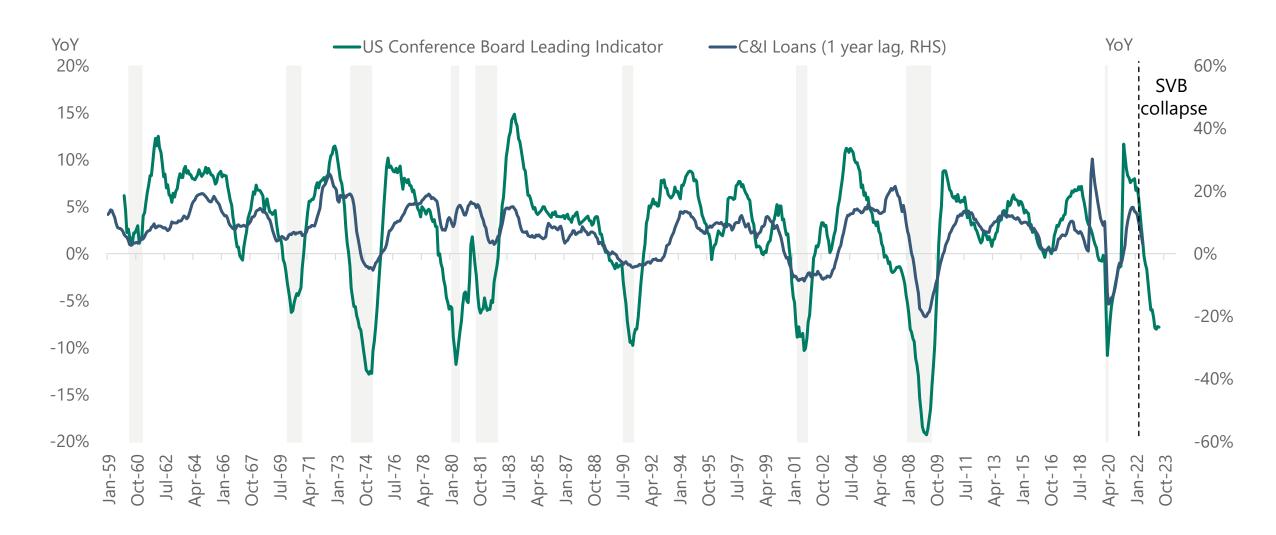


## Bank lending will shrink significantly over the coming quarters

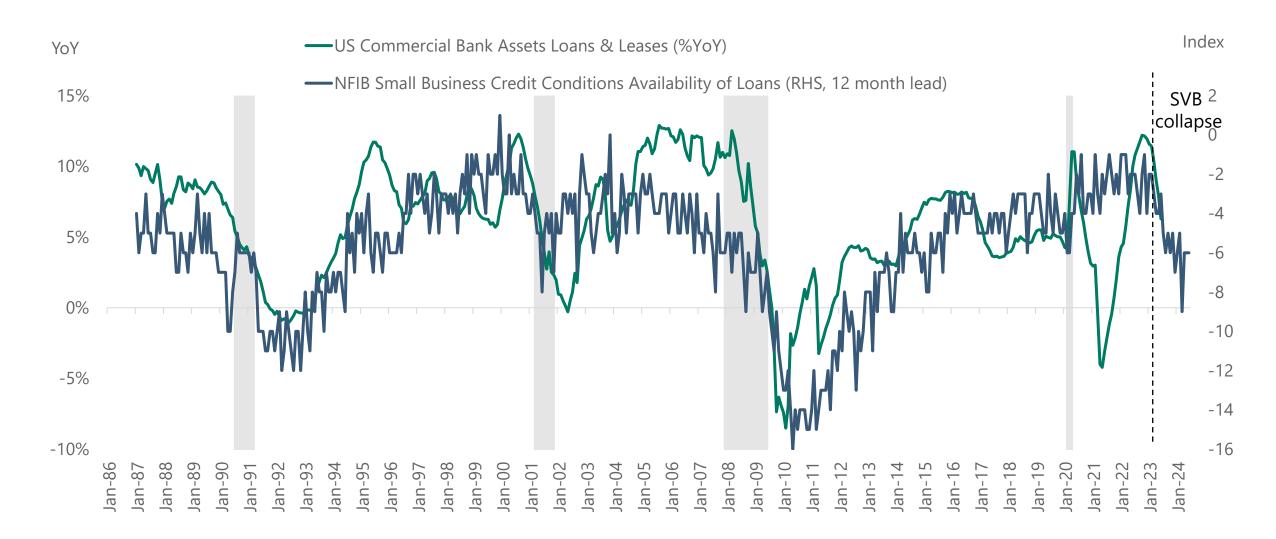


Source: FRB, Haver Analytics, Apollo Chief Economist

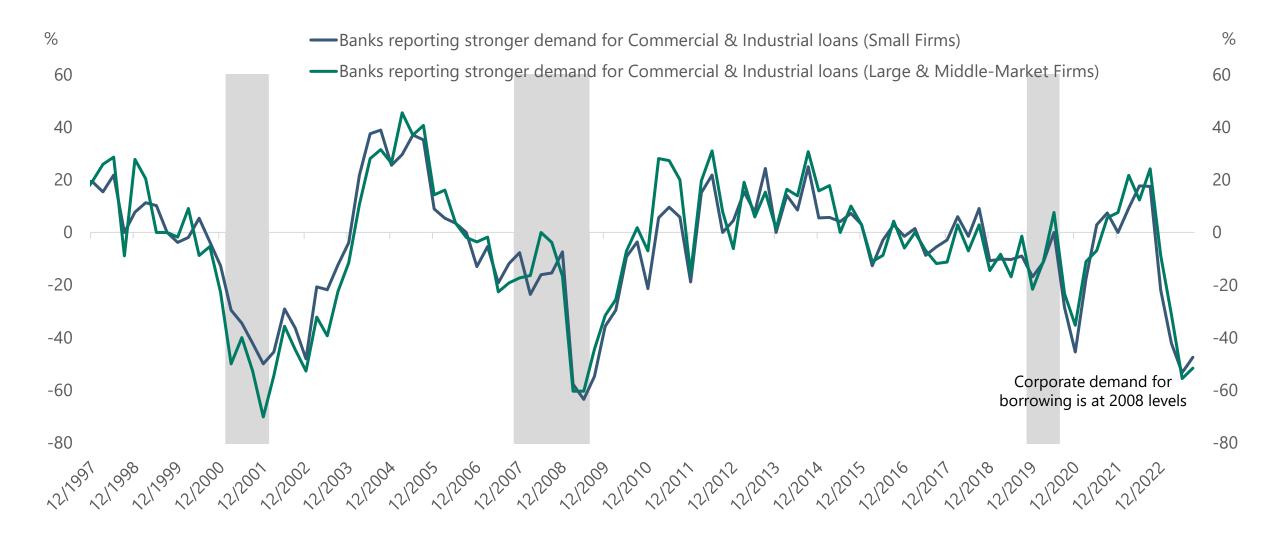
# Tighter credit conditions after SVB dragging down the economy



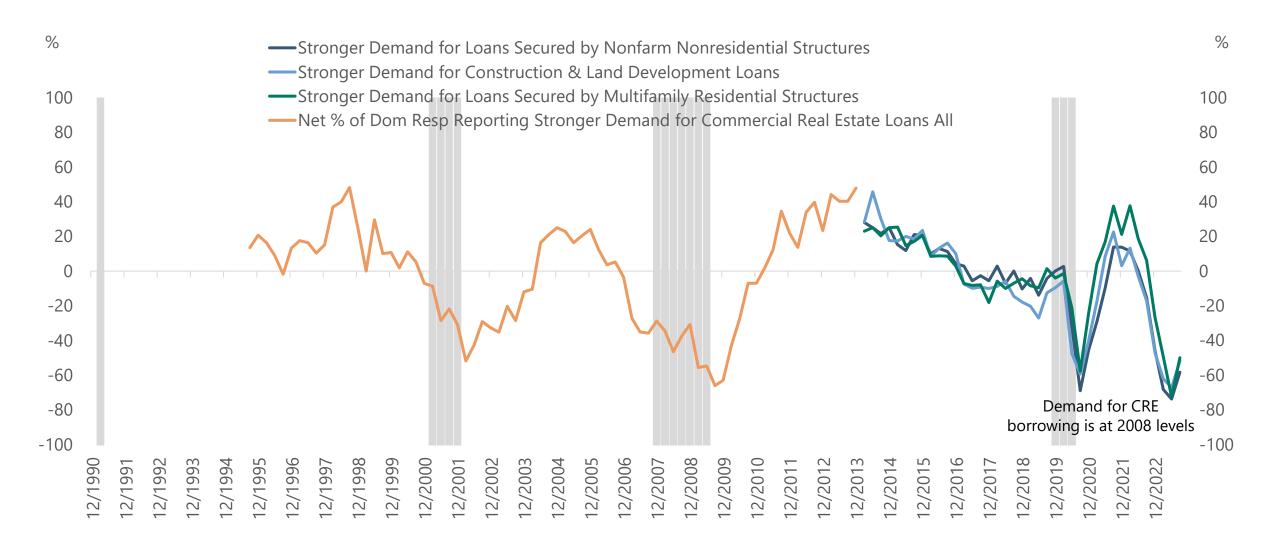
## Tighter credit conditions dragging down the economy



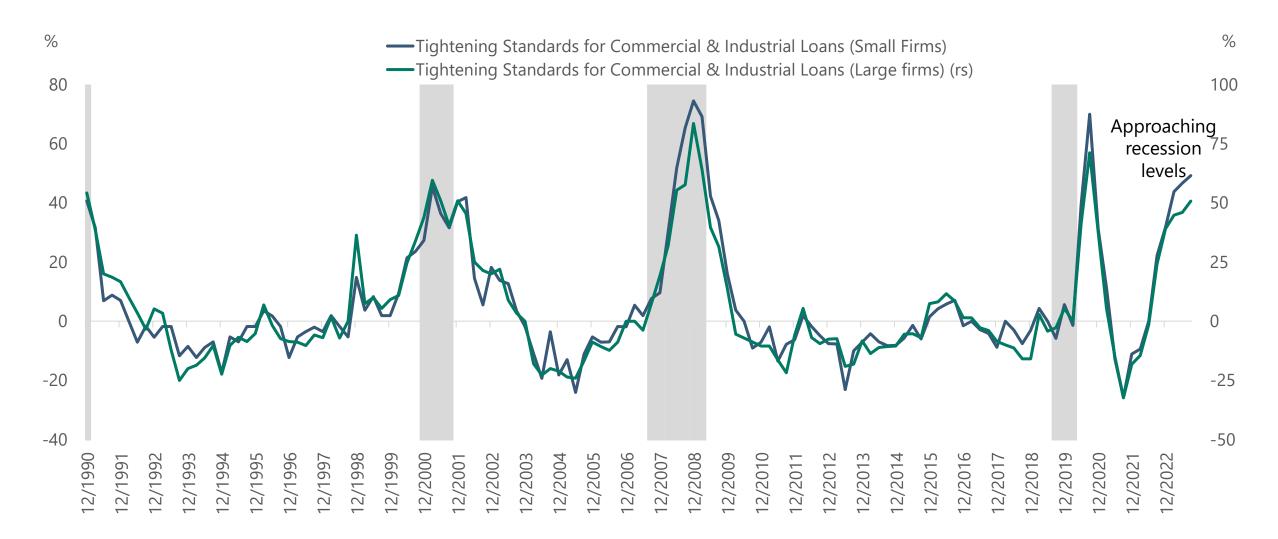
# Demand for corporate loans is at 2008 levels



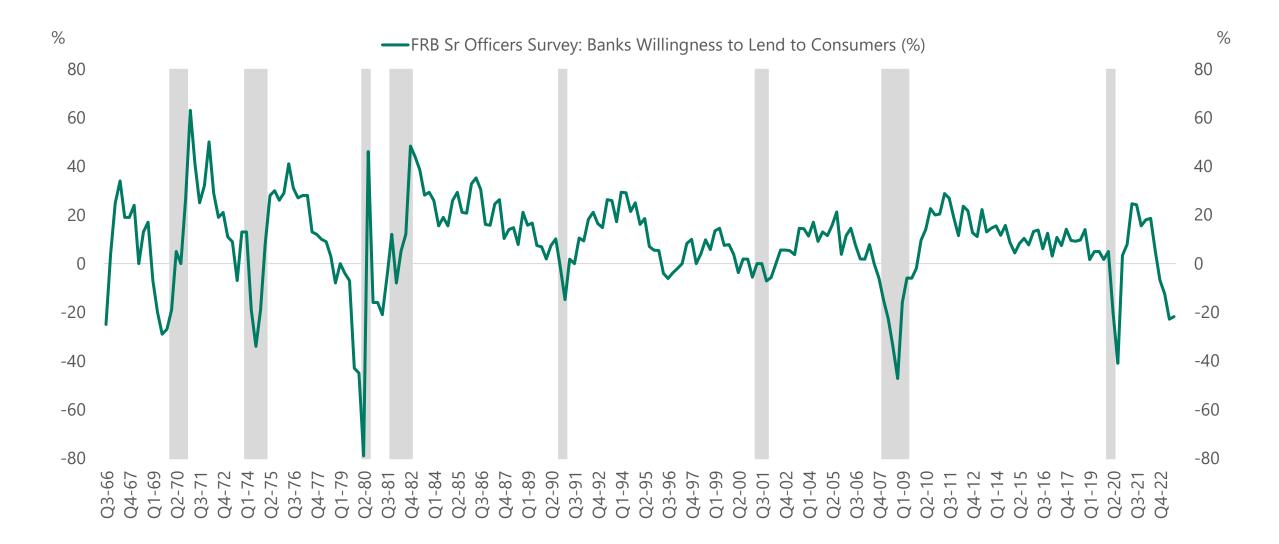
### Demand for commercial real estate loans is at 2008 levels



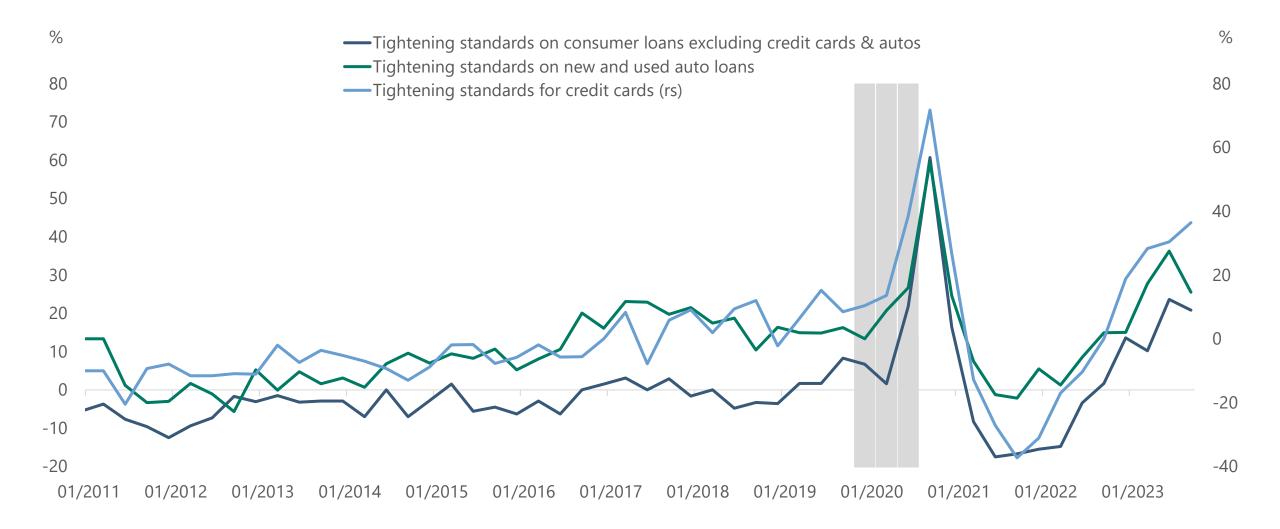
# Banks are tightening lending standards significantly, near 2008 levels



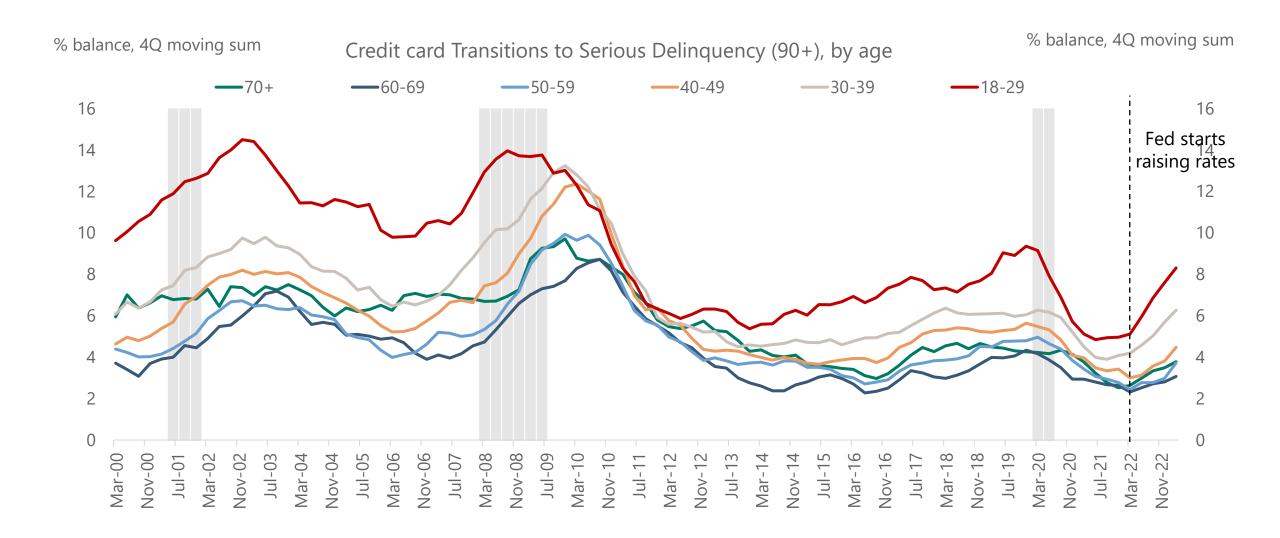
# Banks' willingness to lend to customers approaching 2008 levels



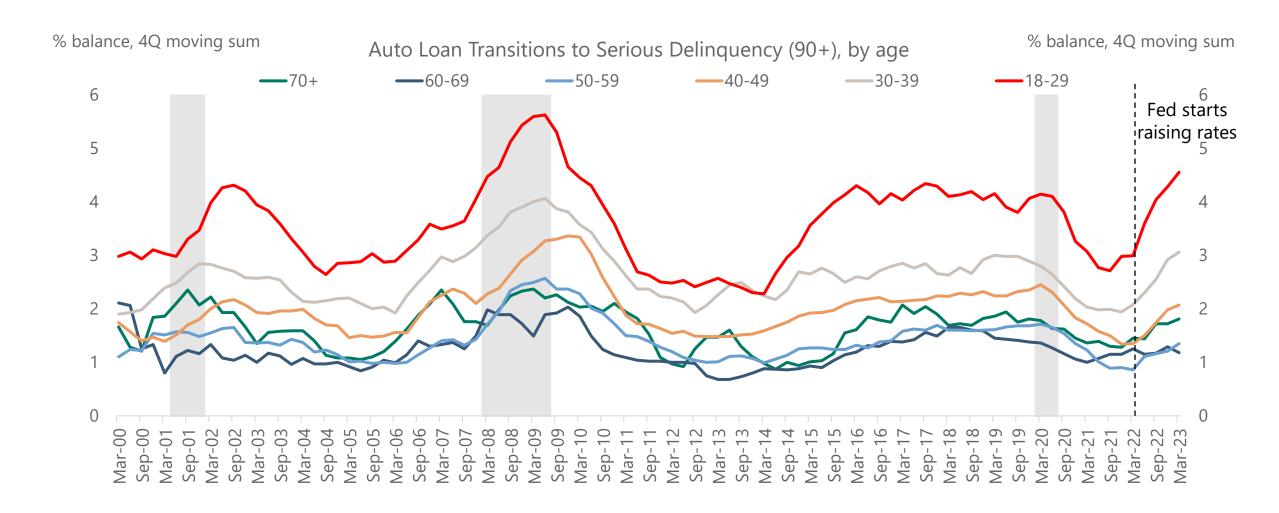
# Lending standards are tightening for consumers, approaching 2008 levels



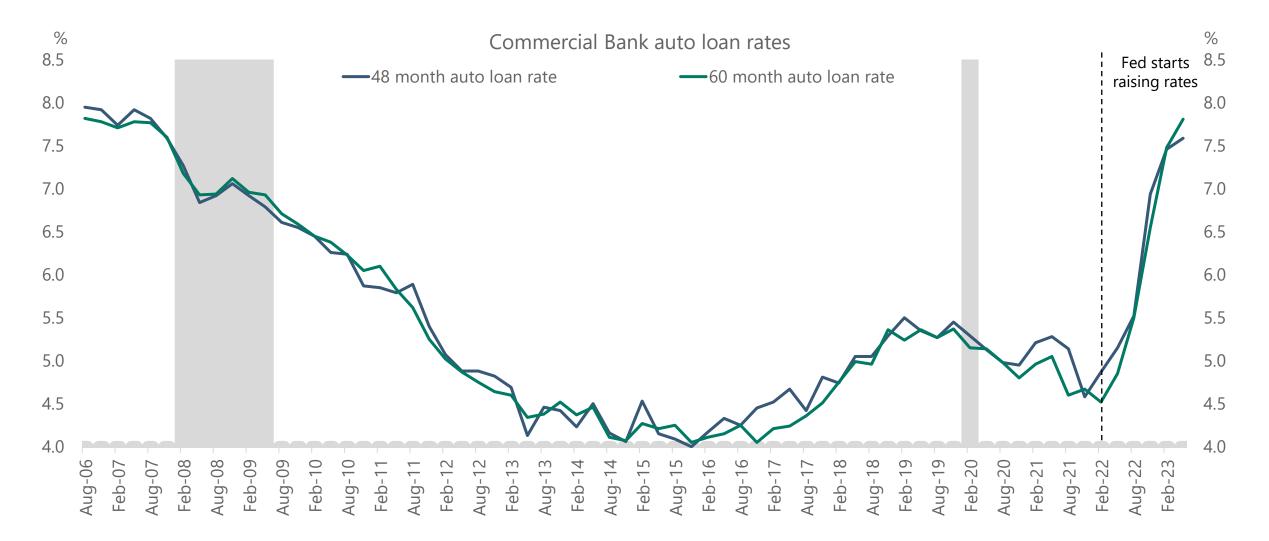
# Credit card delinquency rates rising



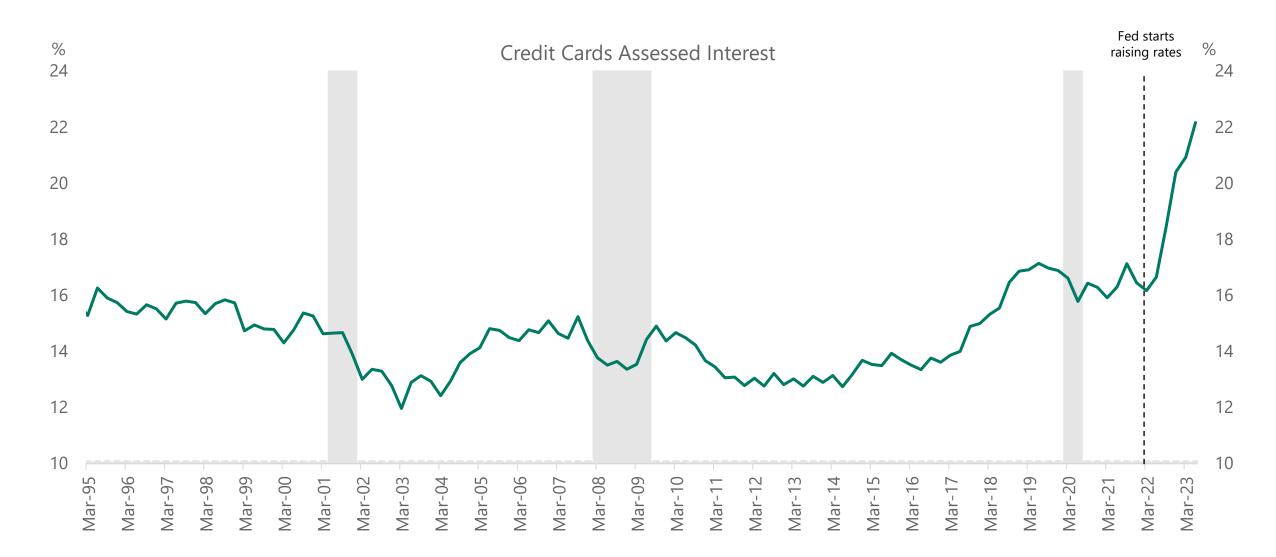
## Auto loan transitions to serious delinquency approaching 2008 levels



### Interest rate on auto loans

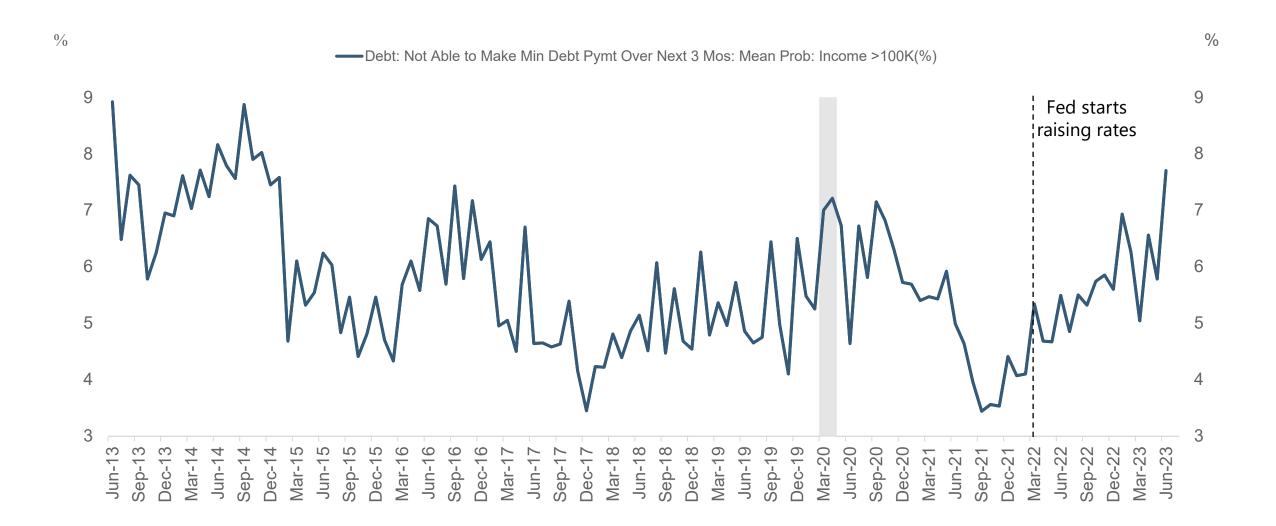


### Interest rate on credit cards



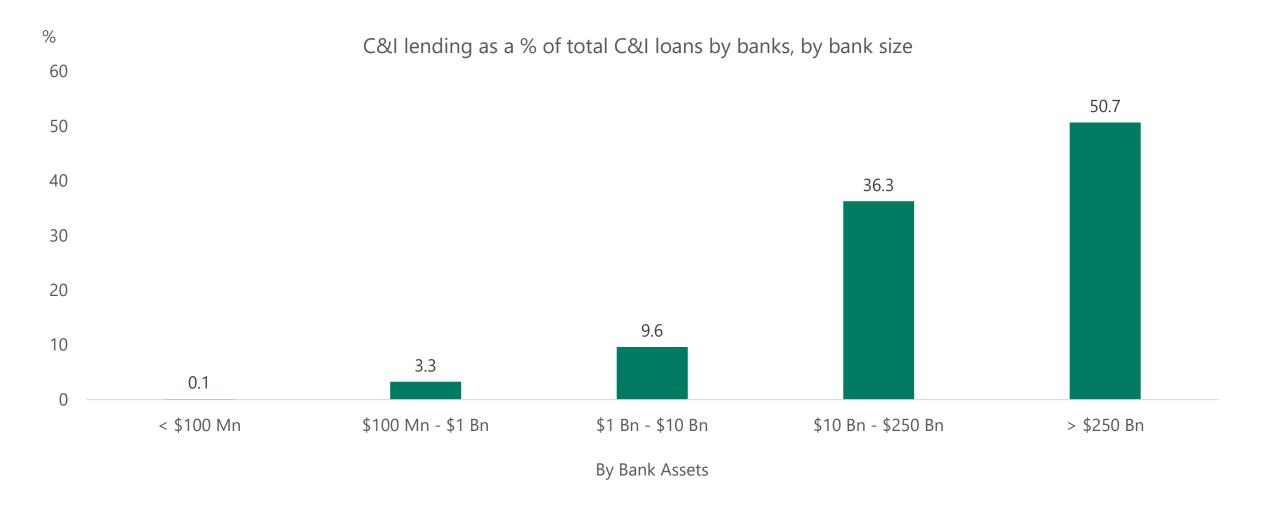
Source: FRB, Haver Analytics, Apollo Chief Economist

Higher income households starting to worry about whether they can make minimum debt payments



### Small banks lend to small businesses

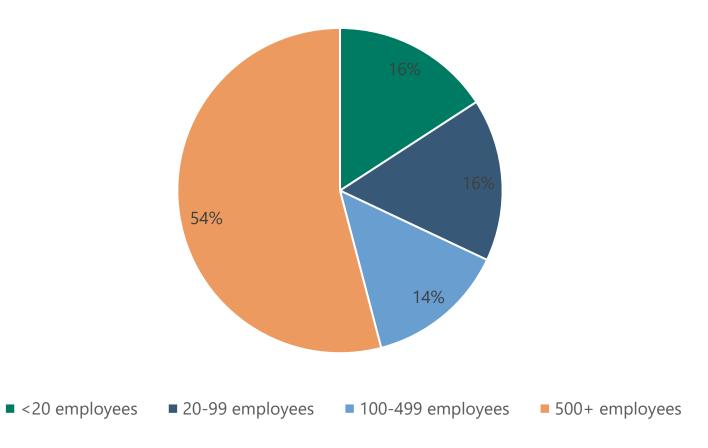
Banks with less than \$250bn in assets account for 50% of commercial and industrial lending



Source: FDIC, Apollo Chief Economist. Data as of Q3 2022

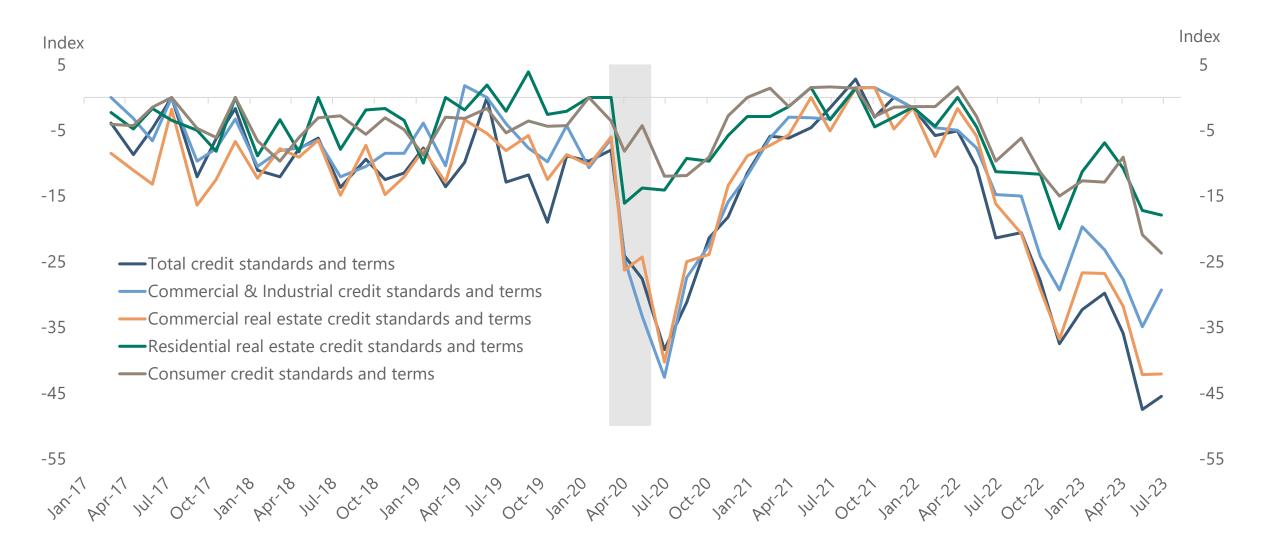
# Half of US employment is in firms with fewer than 500 employees

Share of total employment by employment size of the firm, 2020

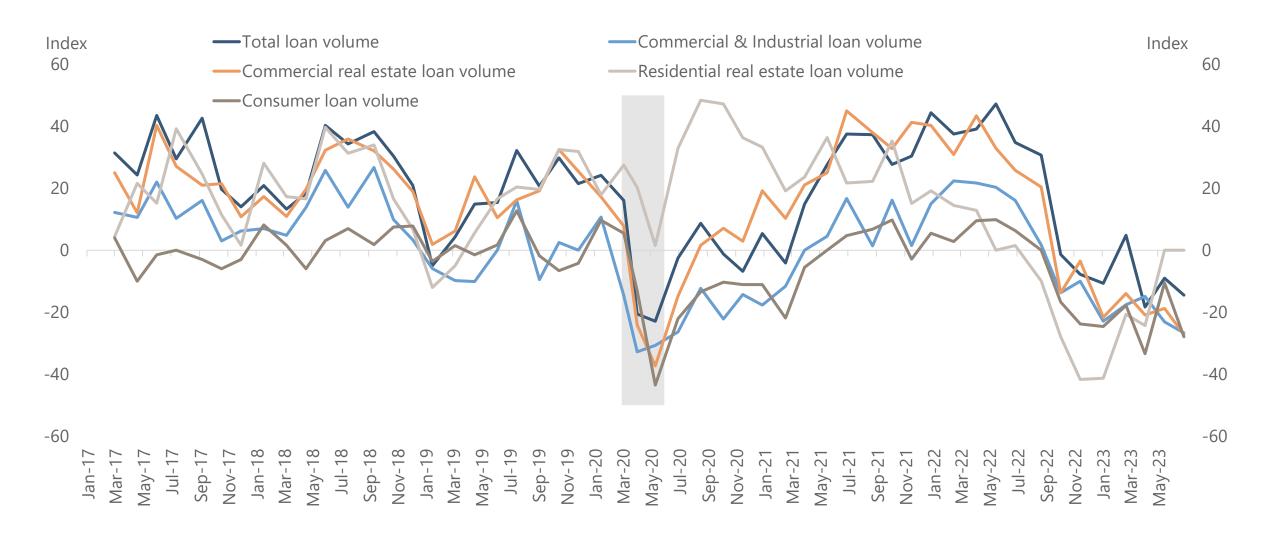


Source: Census, Apollo Chief Economist

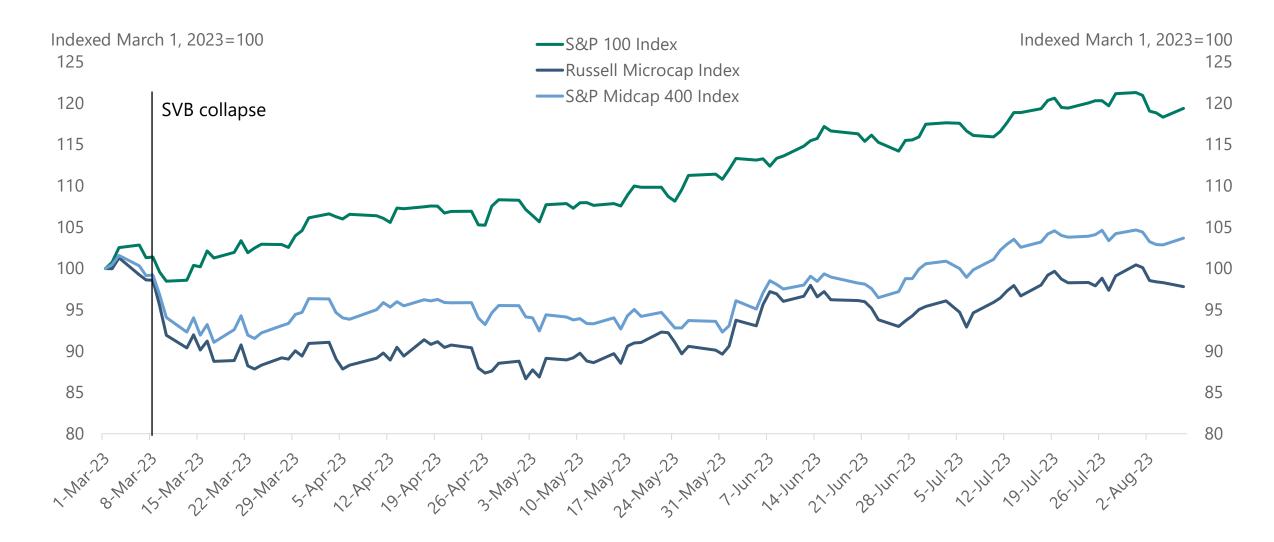
### Monthly Fed data for credit standards continue to deteriorate. Near 2020 levels



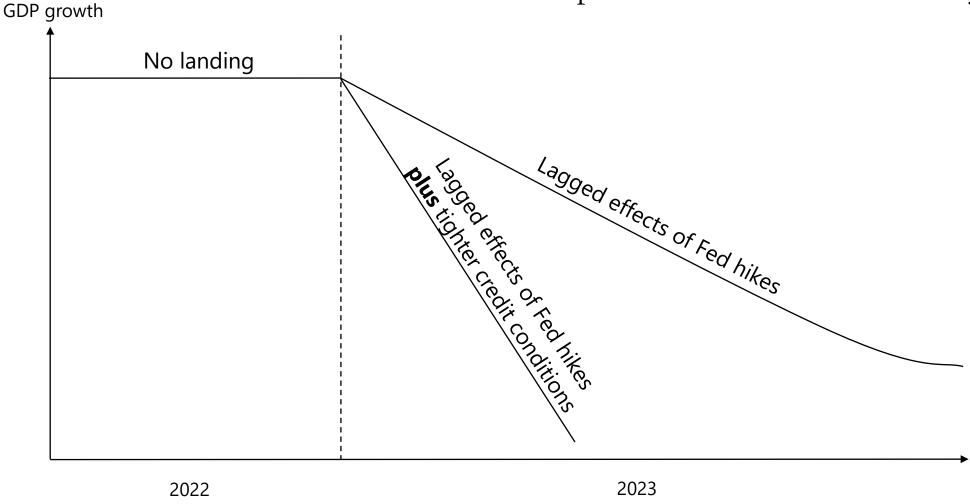
## Monthly Fed data for loan volume continue to deteriorate. Near 2020 levels



## Banking crisis having negative impact on small and medium-sized companies



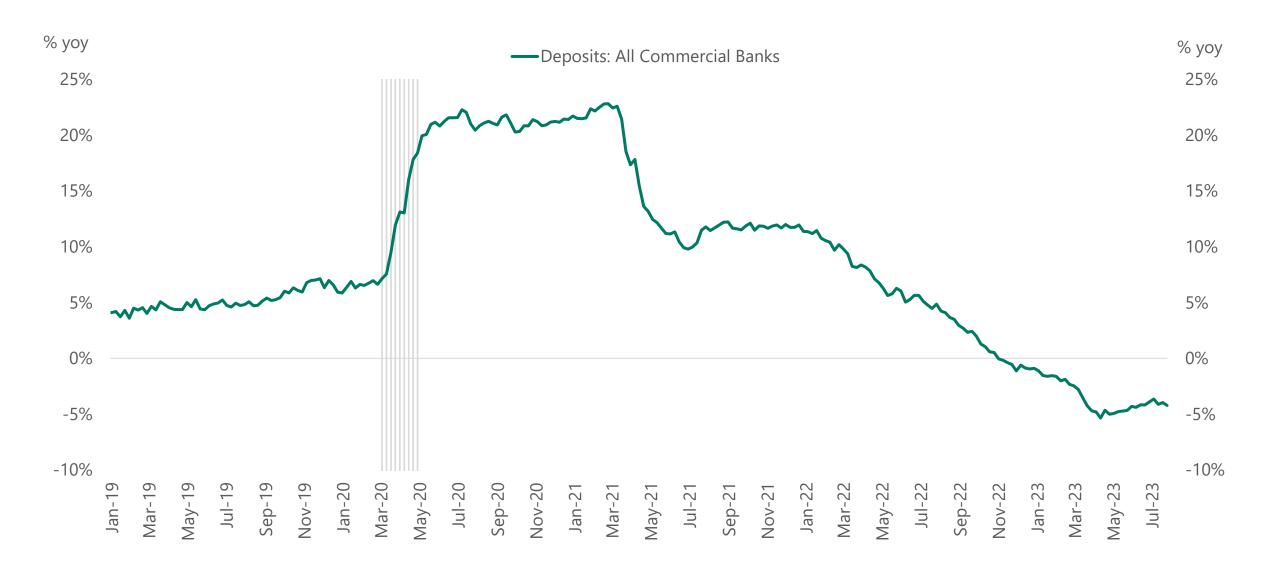
Lagged effects of Fed hikes combined with tighter credit conditions will create a sharper slowdown in the economy



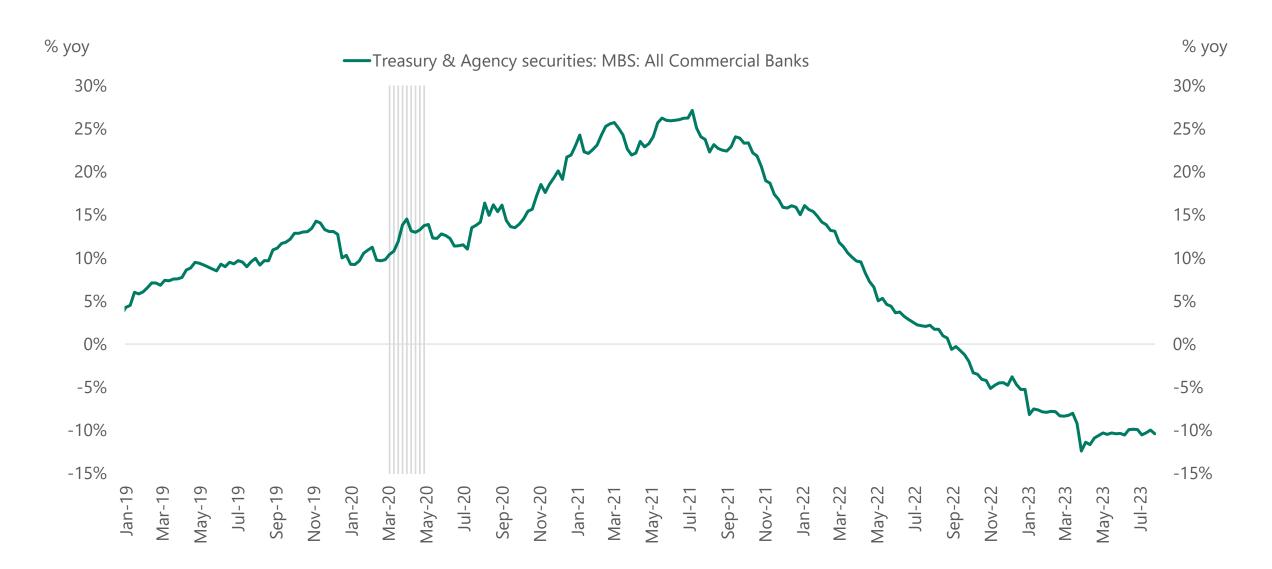
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What is the banking sector response to the SVB collapse and associated deposit outflows? Cutting lending and selling mortgages

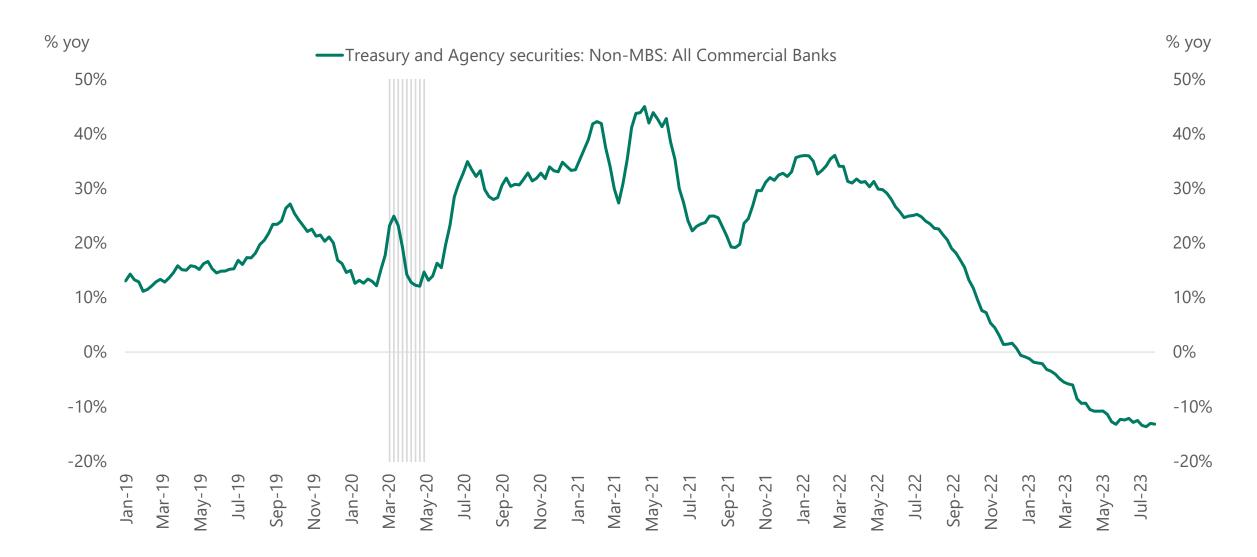
### Negative growth in deposits



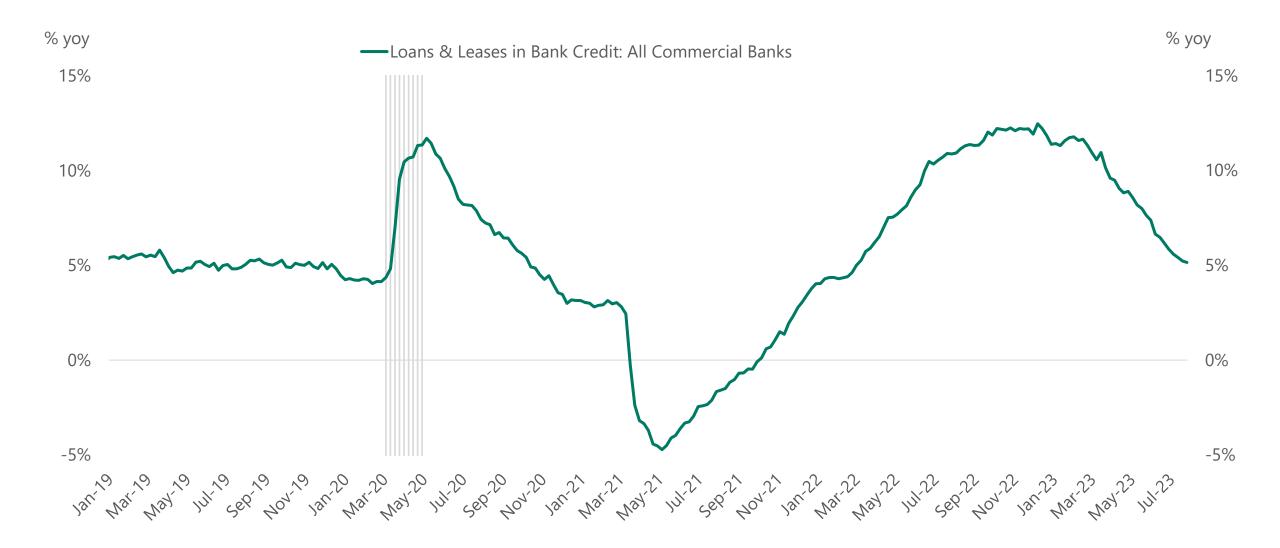
### Negative growth in bank holdings of mortgages



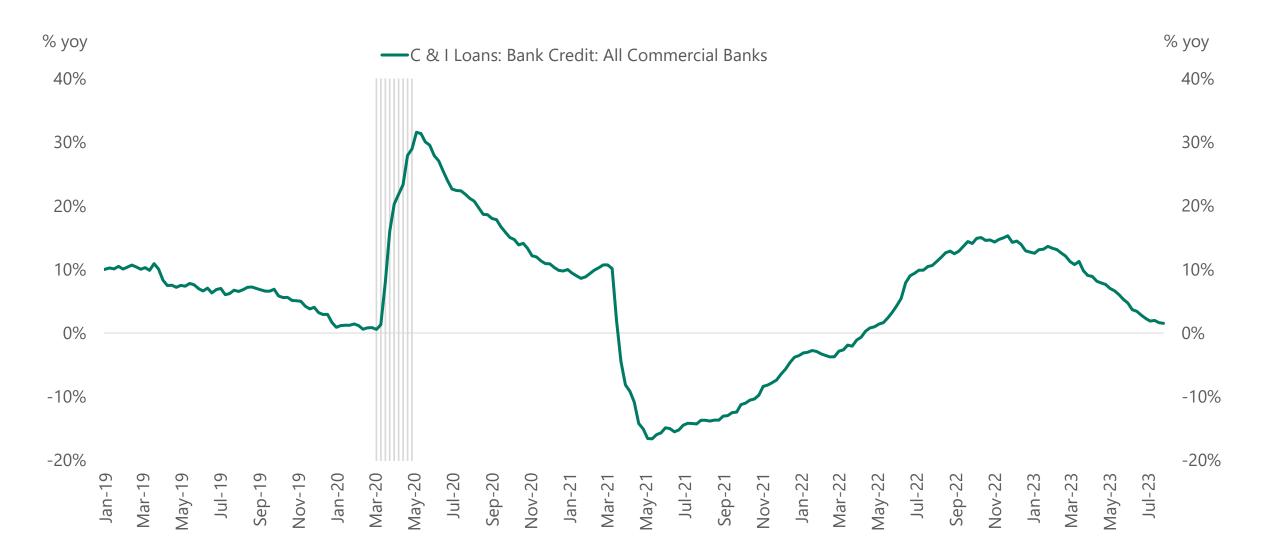
### Growth in bank holdings of Treasuries



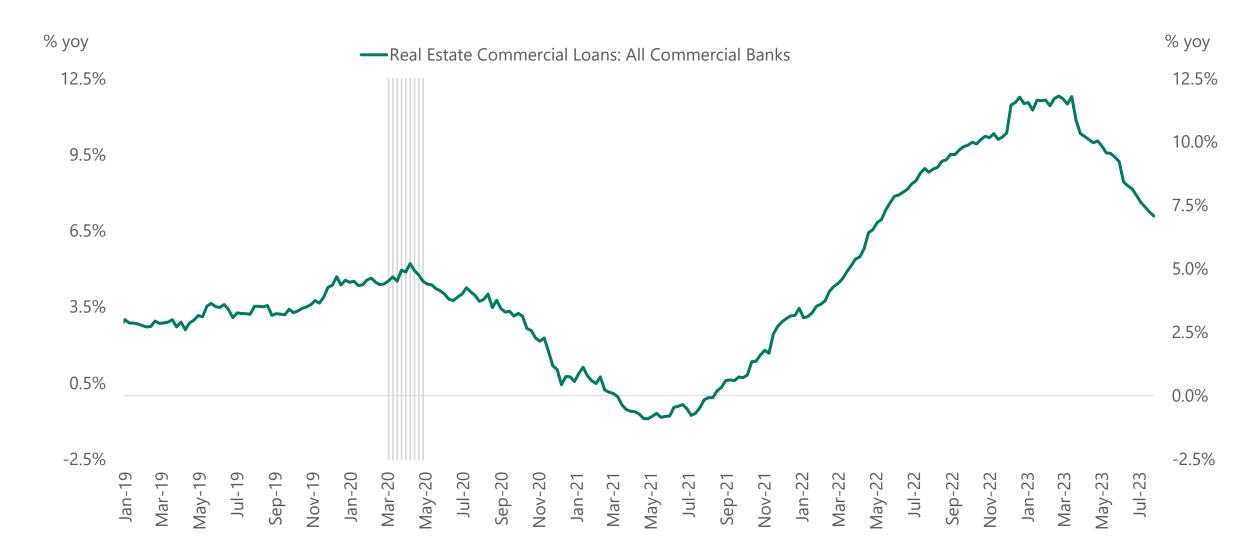
### Bank loan growth declining



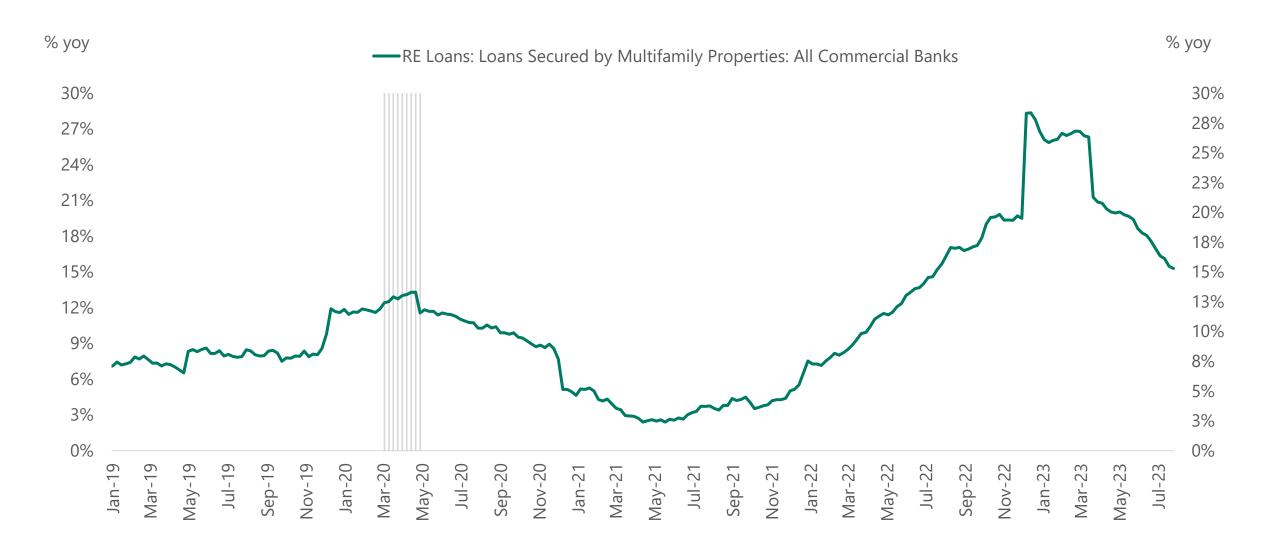
### Decline in growth in lending to corporates



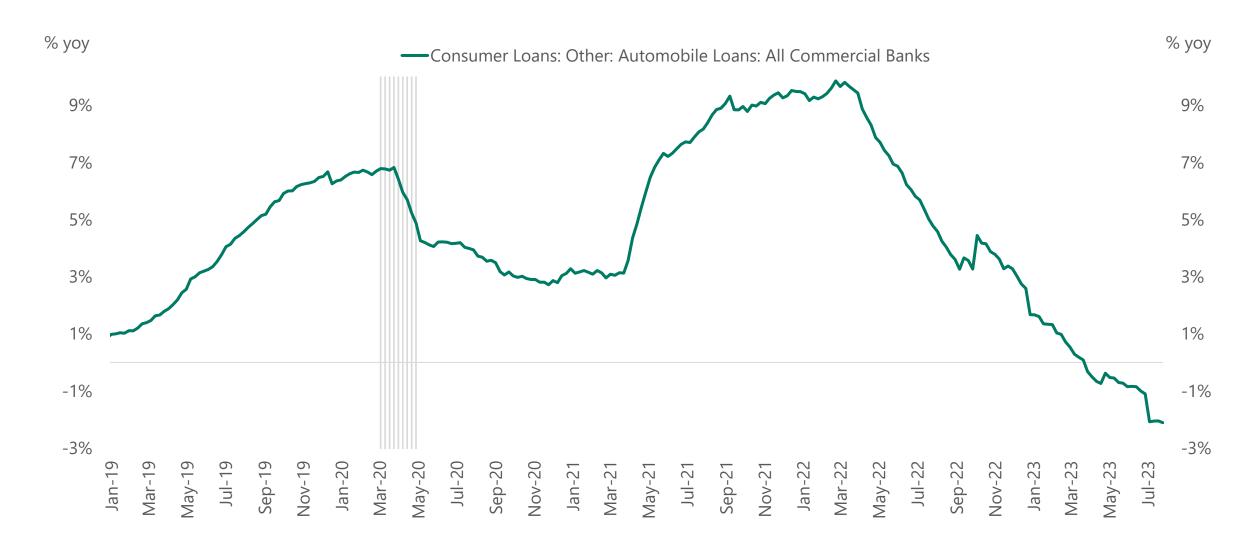
### Decline in growth in real estate lending



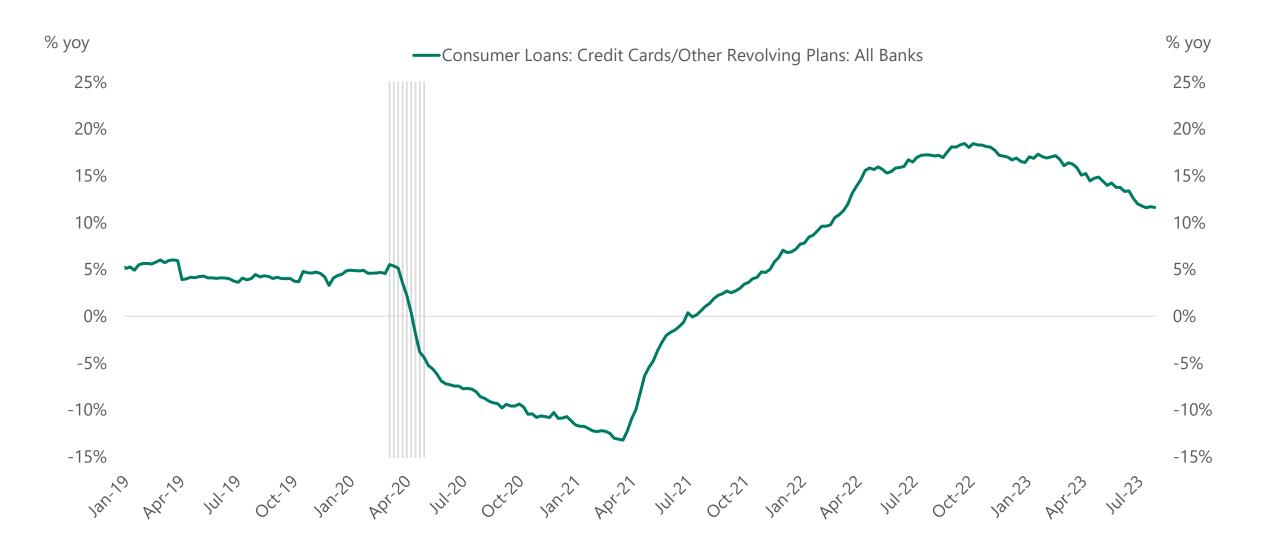
### Decline in growth in lending to multifamily construction



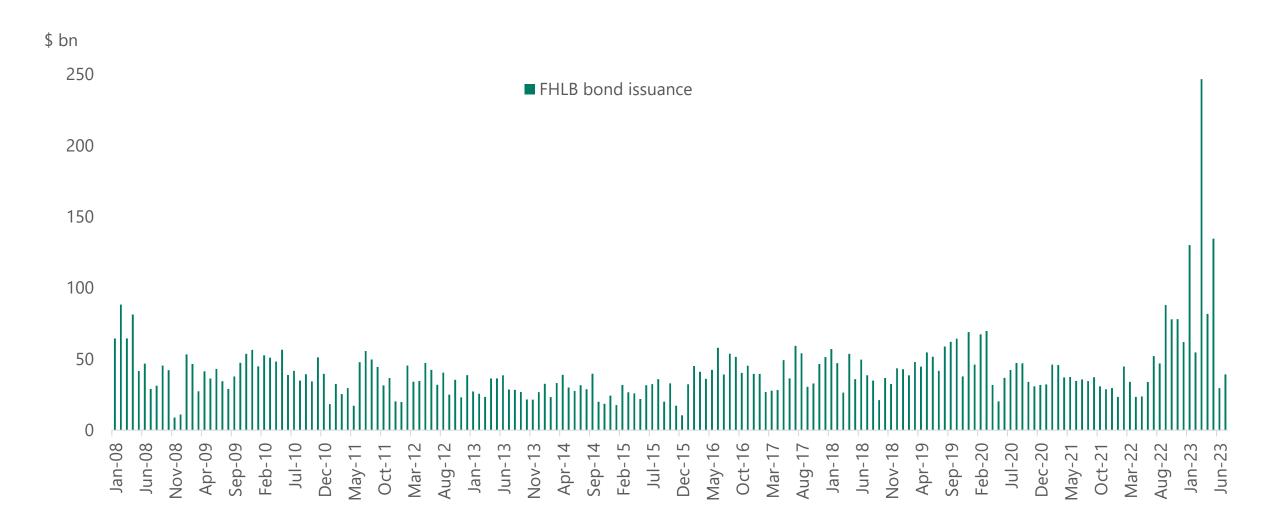
### Negative growth in auto loan lending



### Some decline in growth in credit card lending



## The FHLB system remains elevated



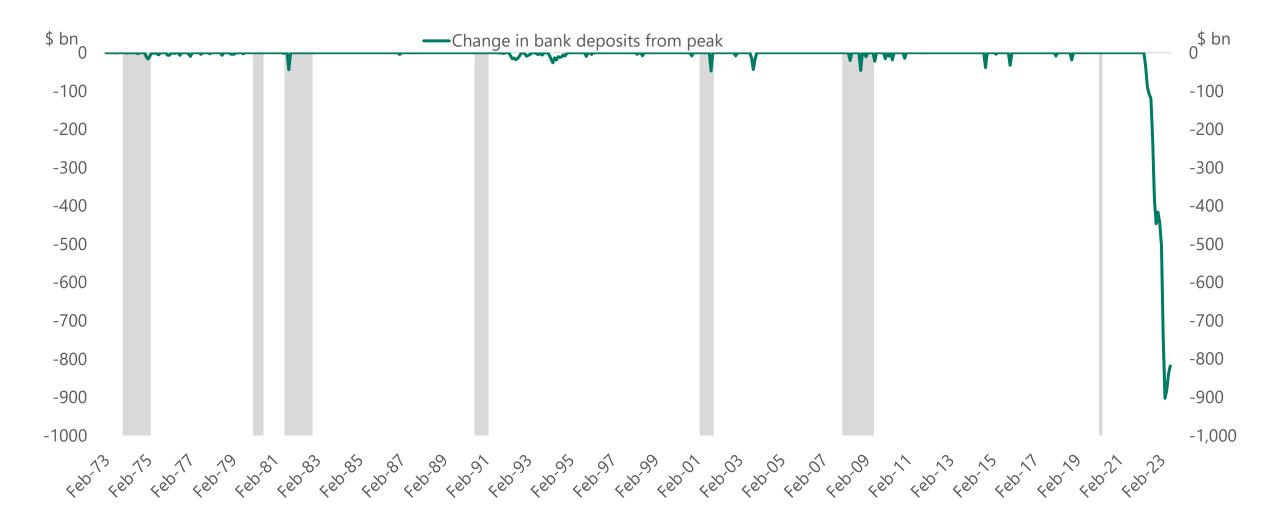
Source: FHLB, Haver, Apollo Chief Economist.

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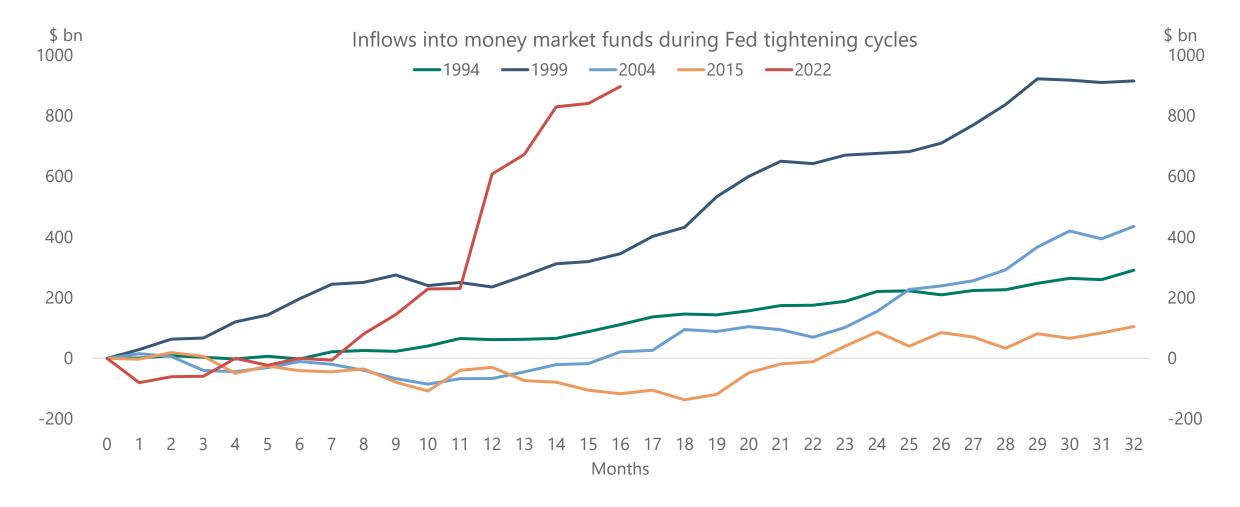
Bank funding pressures:

Deposits and market-based measures

## \$819bn in deposits have left the banks since the Fed began to raise interest rates

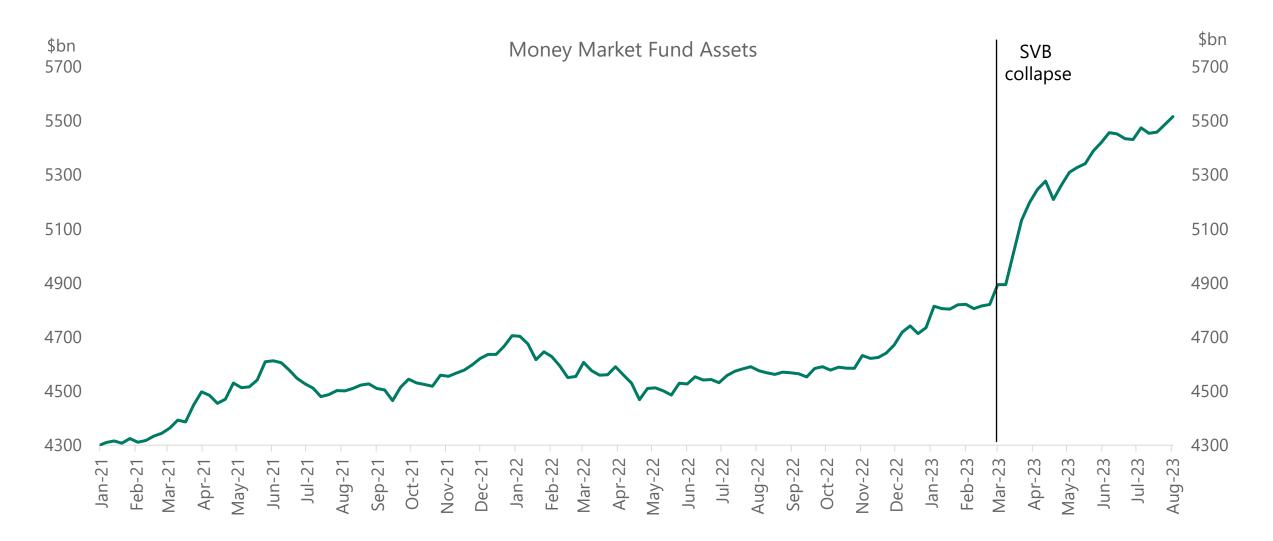


## \$896bn inflows into money market funds during this Fed hiking cycle

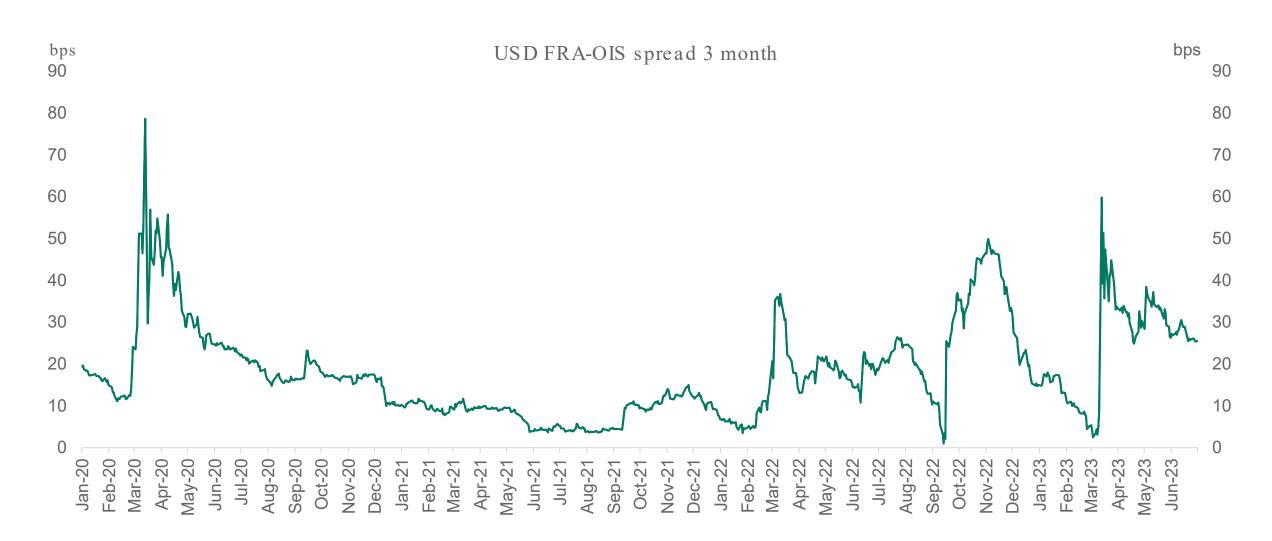


Source: FRB, ICI, Bloomberg, Apollo Chief Economist.

## \$500bn has been moved into money market funds since SVB went under

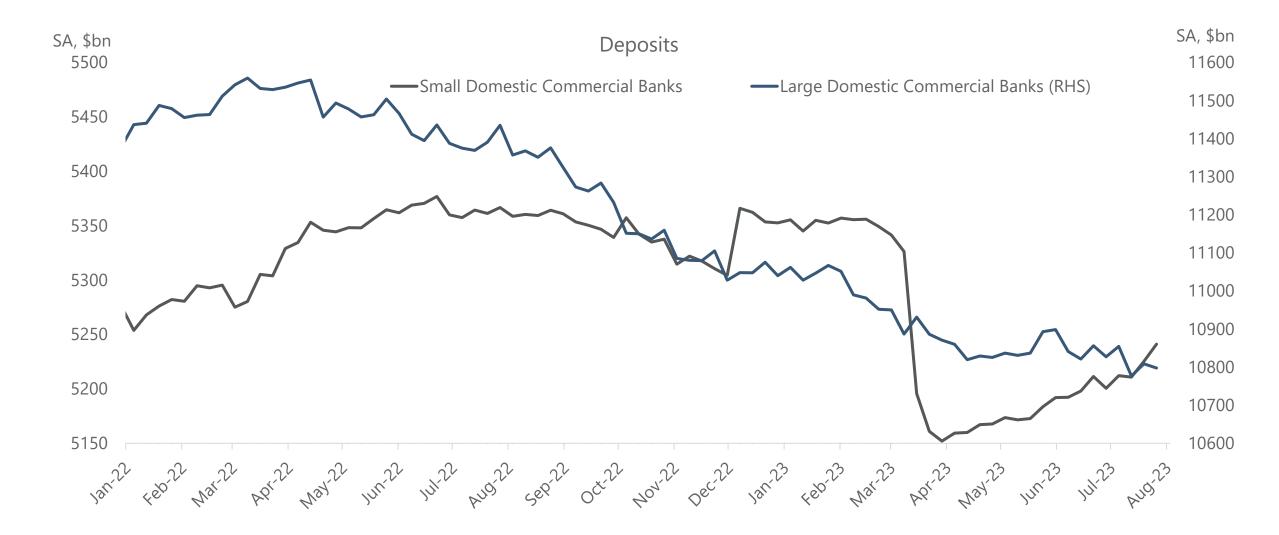


## FRA-OIS spread

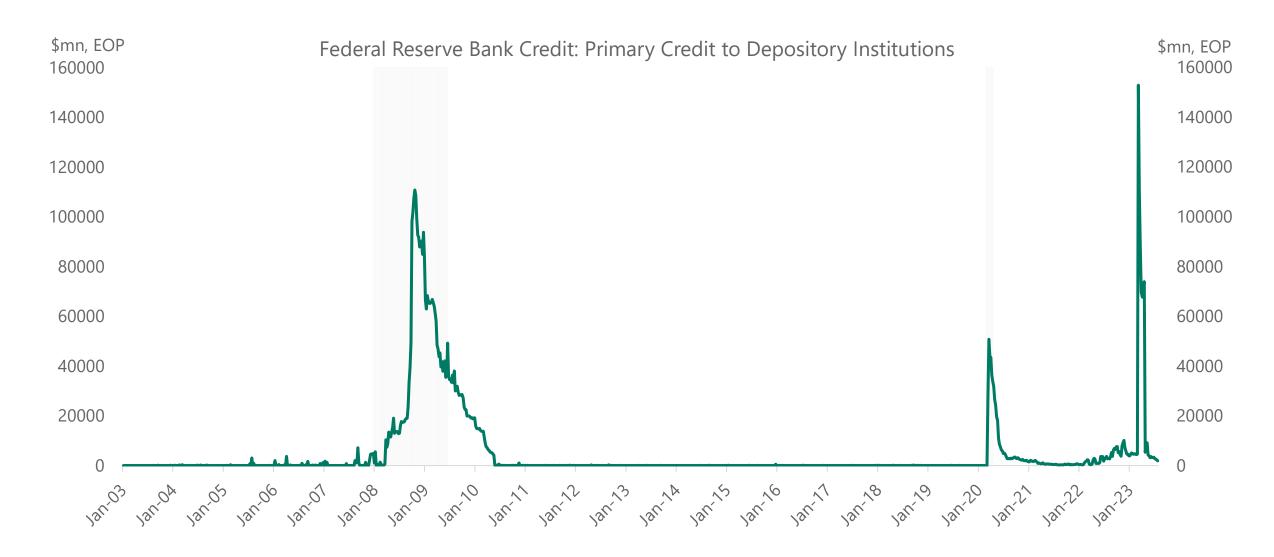


Source: Bloomberg. Note: Ticker used USFOSC1 BGN Currency. As of March 24, 2023.

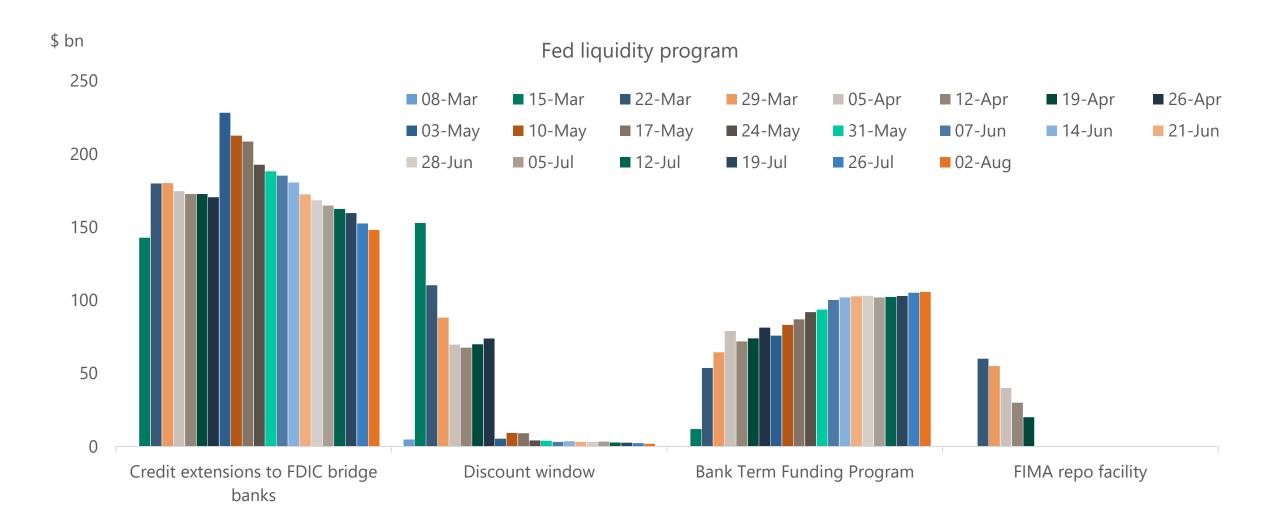
#### Deposits in small and large banks



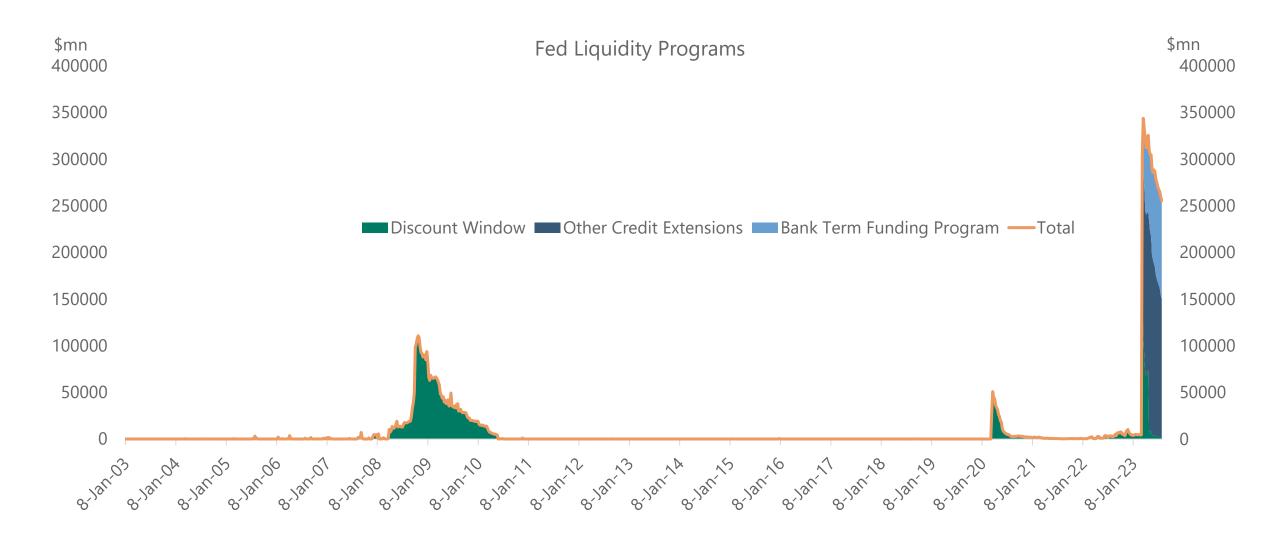
## Fed Discount Window borrowing higher than in 2008



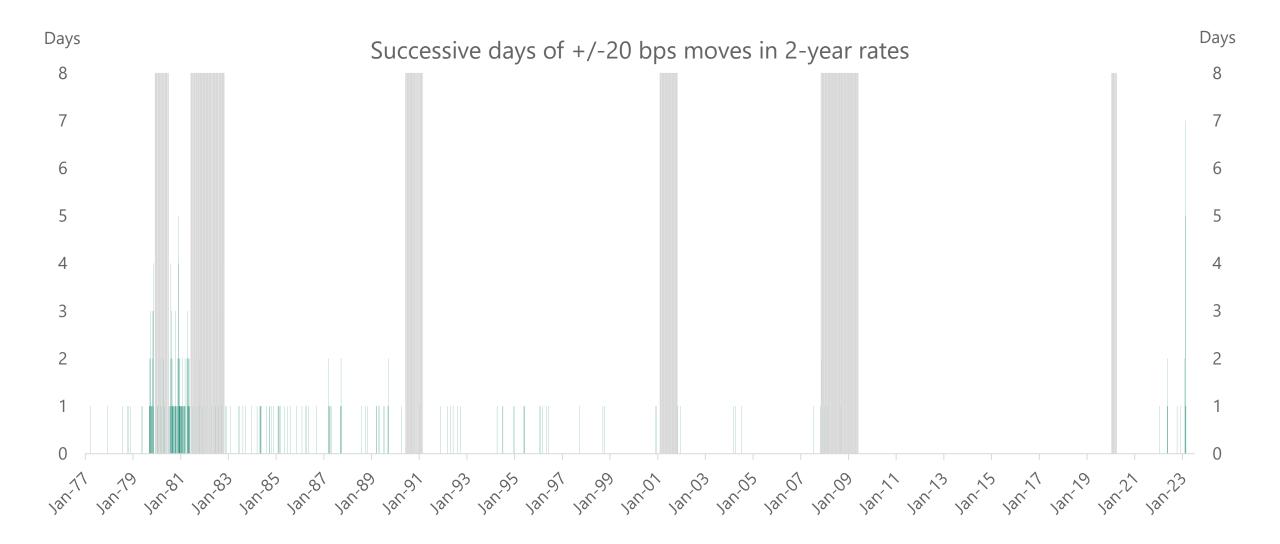
## Fed liquidity programs



## Fed liquidity borrowing higher than in 2008

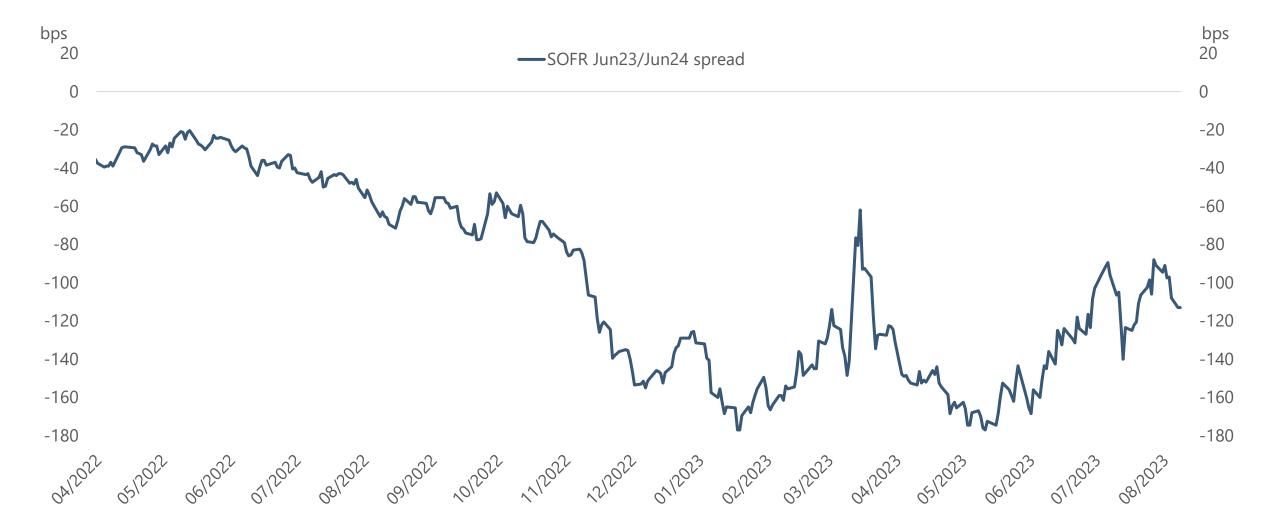


## Record-high volatility in fixed income markets



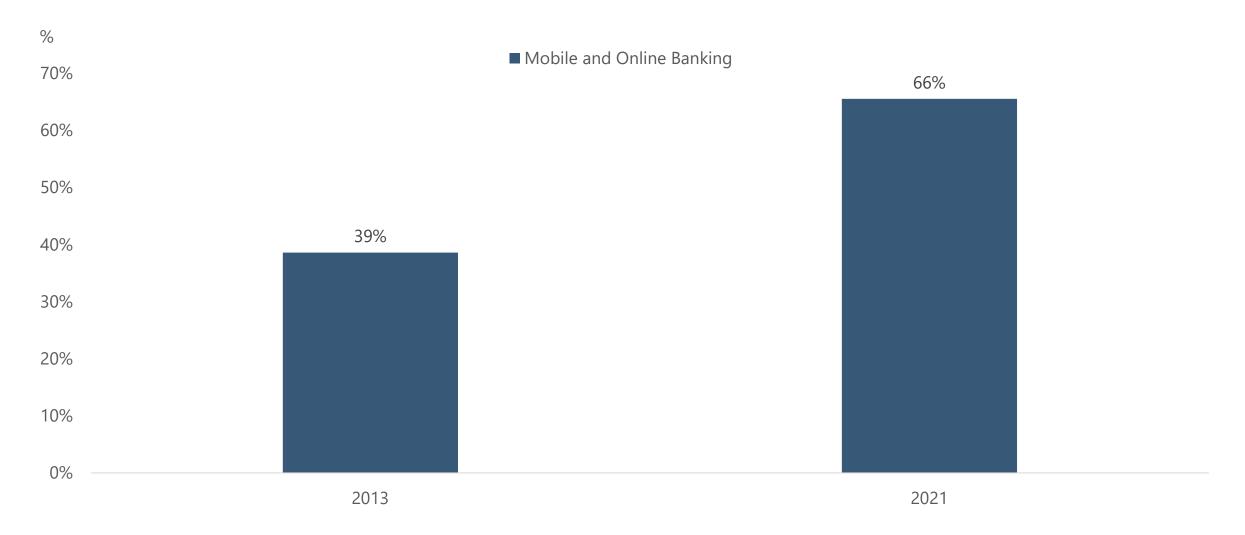
Source: Bloomberg, Apollo Chief Economist

## SOFR spreads currently pricing aggressive Fed cuts in 2024

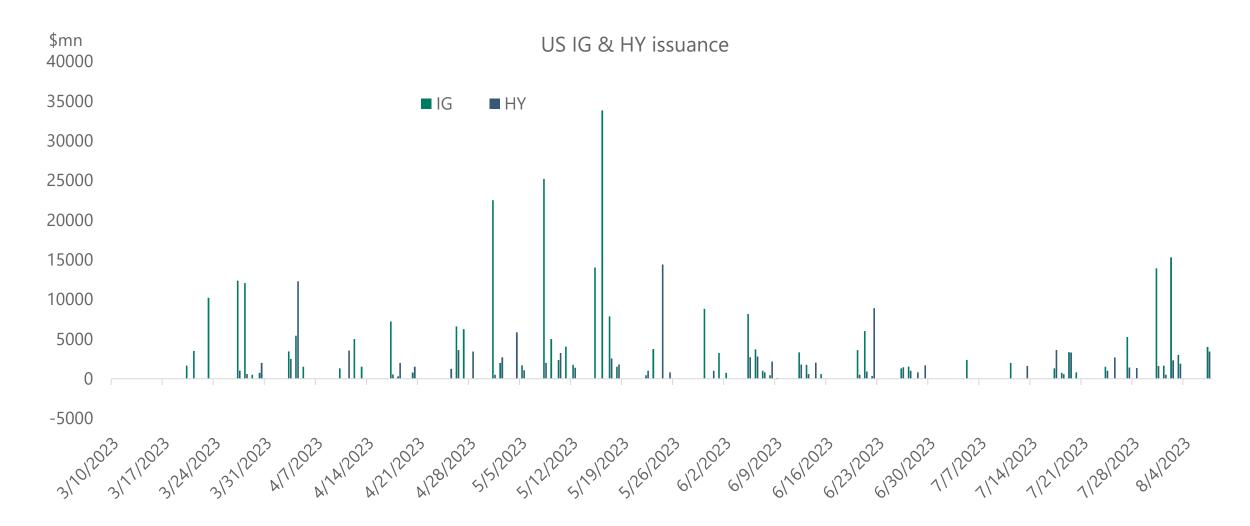


Source: Bloomberg, Apollo Chief Economist.

# Primary method of bank account access: More and more households use mobile and online banking



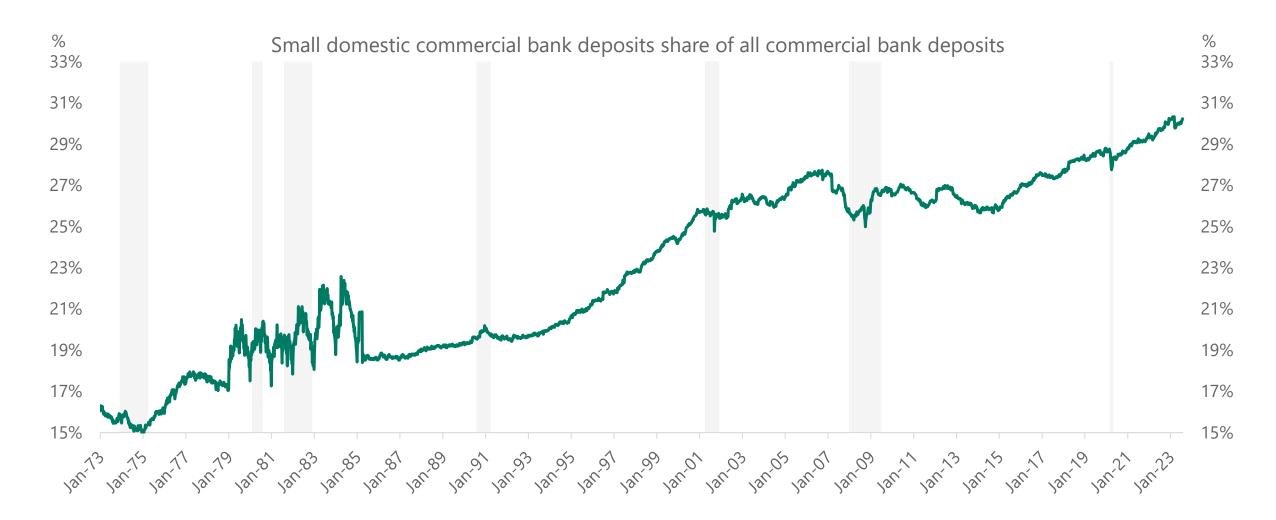
## IG and HY primary issuance



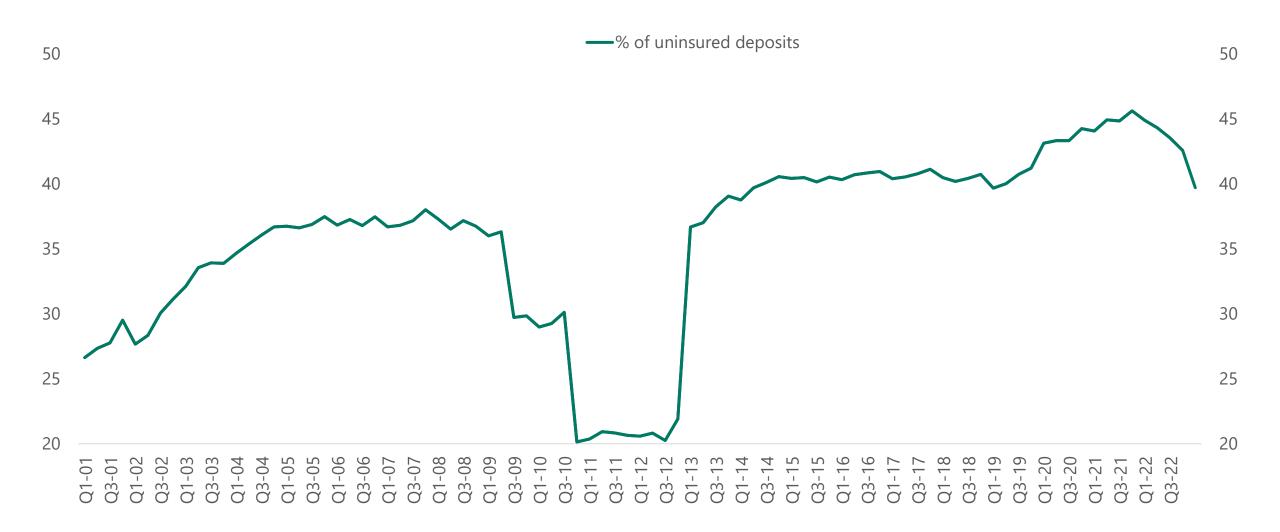
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What is happening with deposits in regional banks?

Small banks account for about 1/3 of total deposits in the banking sector and the share has been rising since the 2008 financial crisis

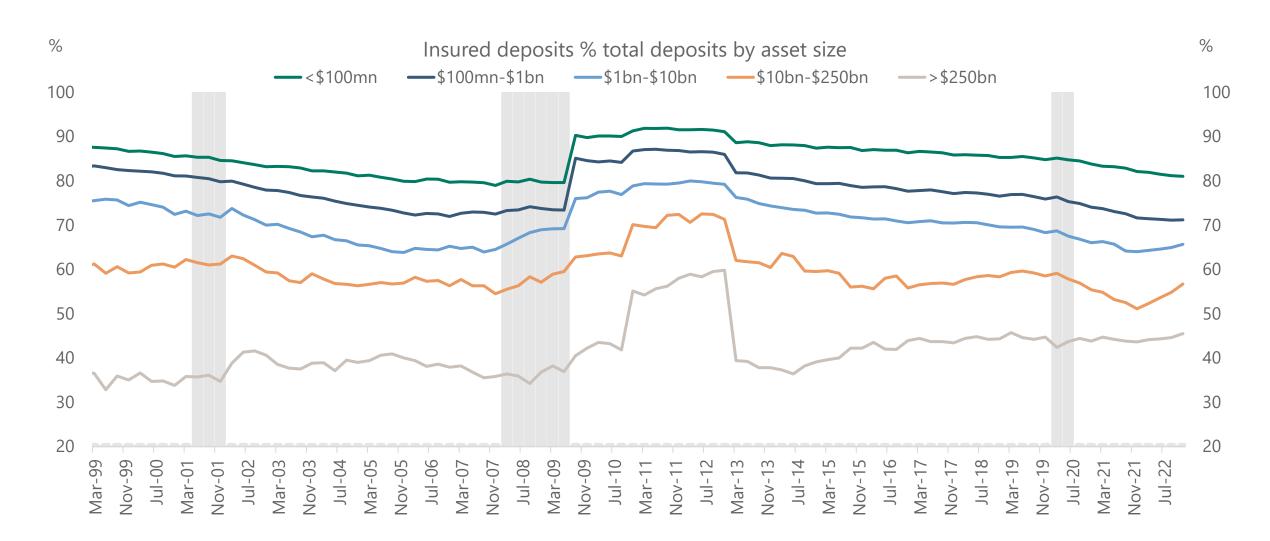


## Share of total bank deposits that are uninsured: 40%

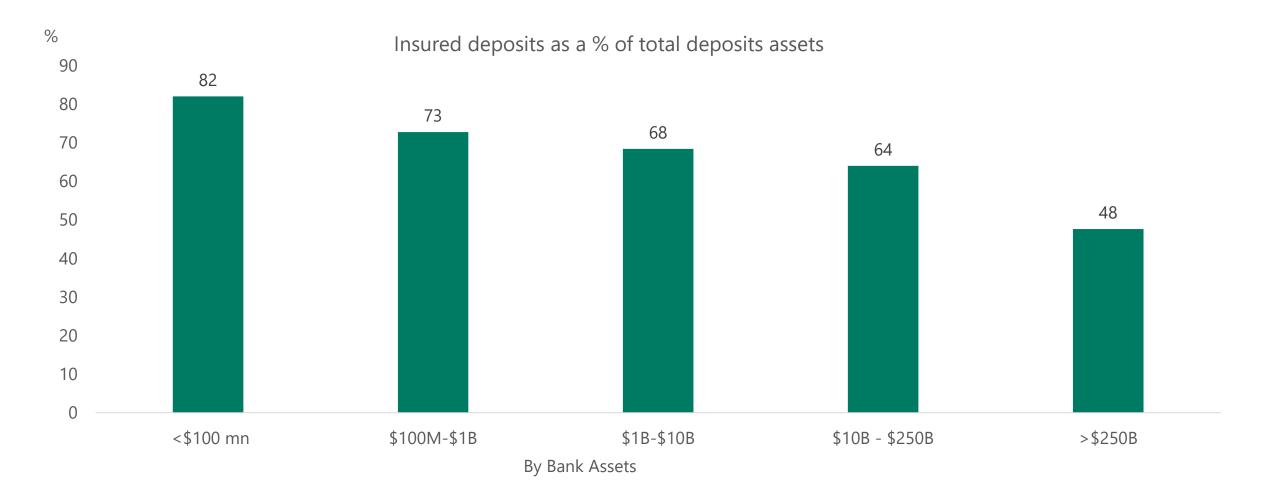


Source: FDIC, Haver Analytics, Apollo Chief Economist.

### Share of insured deposits, by bank size

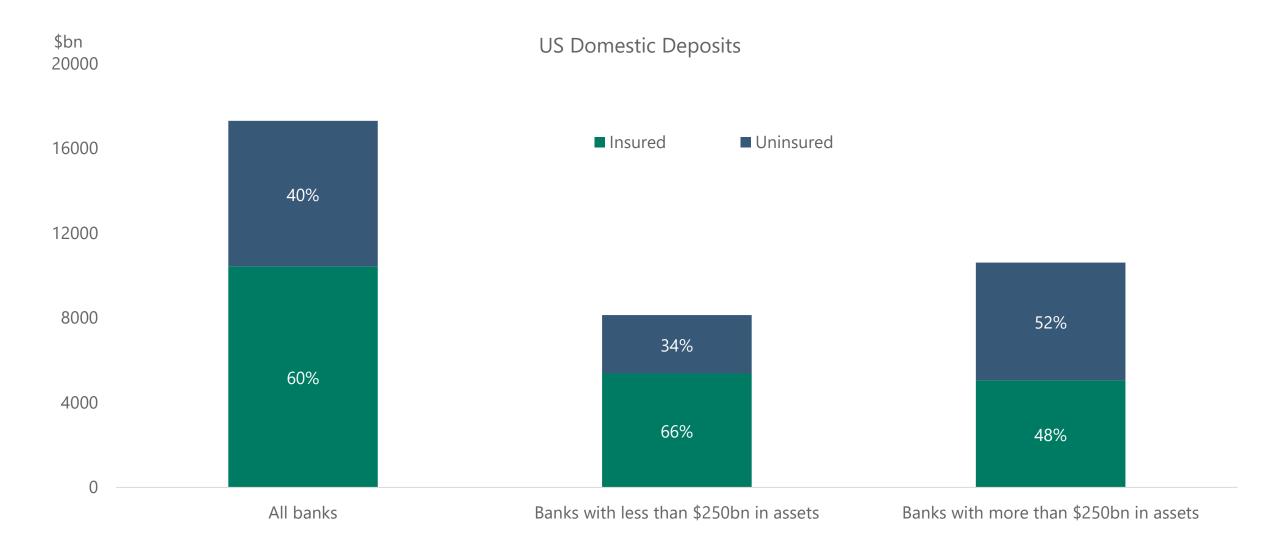


## Share of insured deposits, by bank size



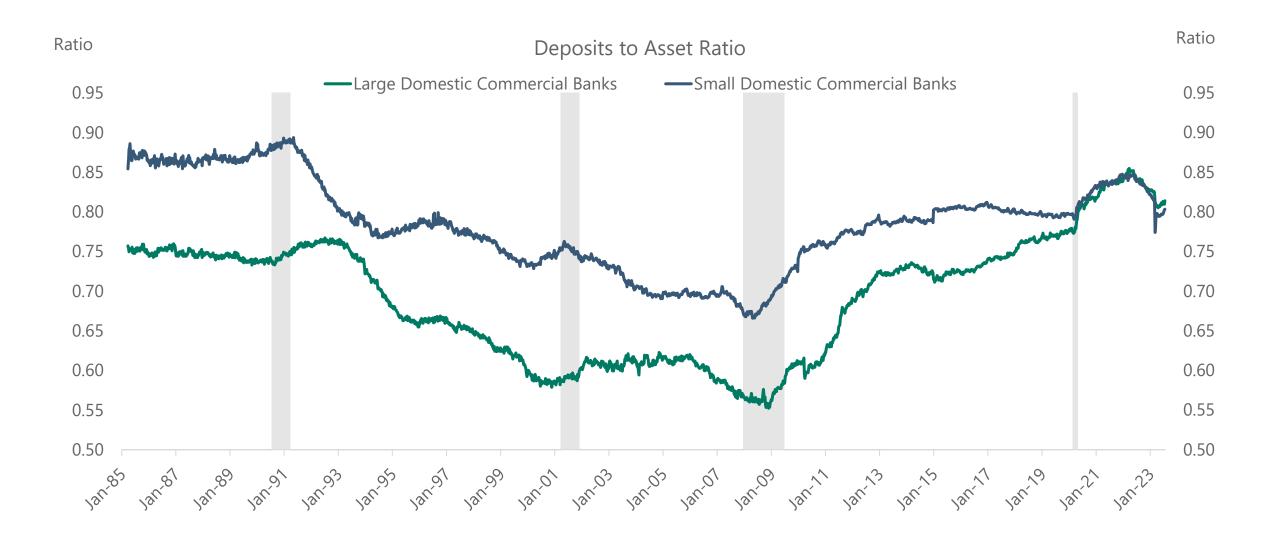
Source: FDIC, Haver Analytics, Apollo Chief Economist. As of Q1 2023

## Share of insured deposits, by bank size

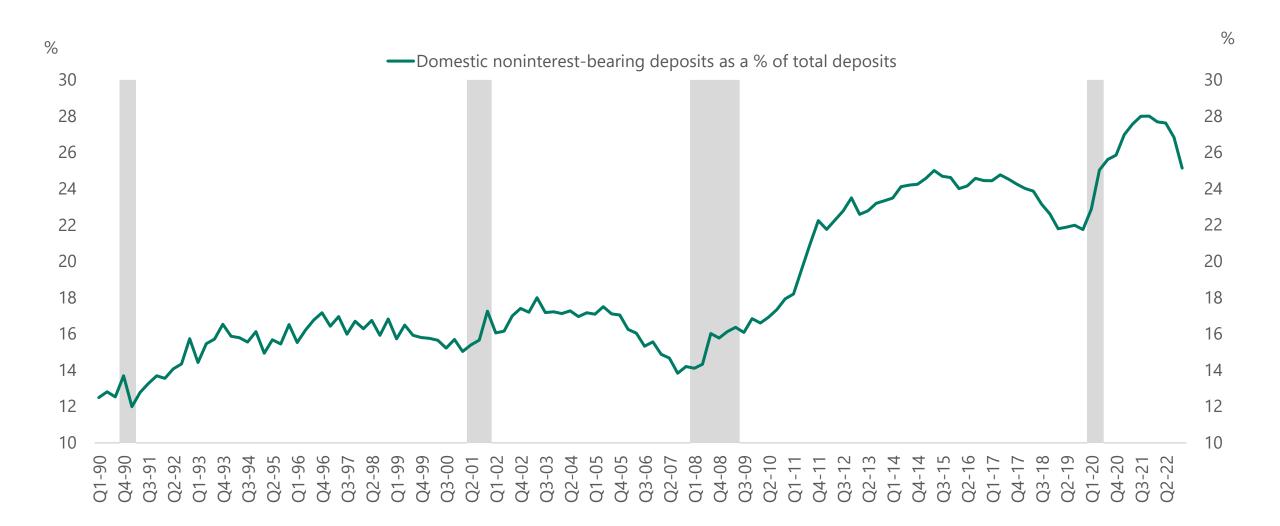


Source: FDIC, Haver Analytics, Apollo Chief Economist. As of Q1 2023

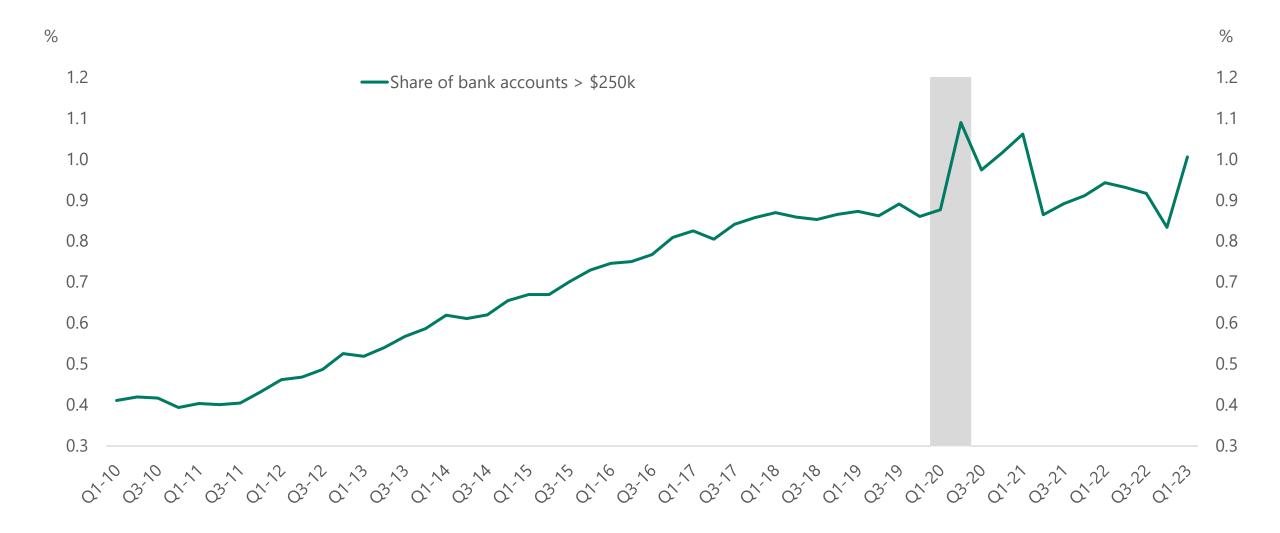
## Deposit to asset ratio for large and small banks



## The share of bank deposits paying zero interest rate is declining



## 1% of bank accounts have a balance higher than \$250k

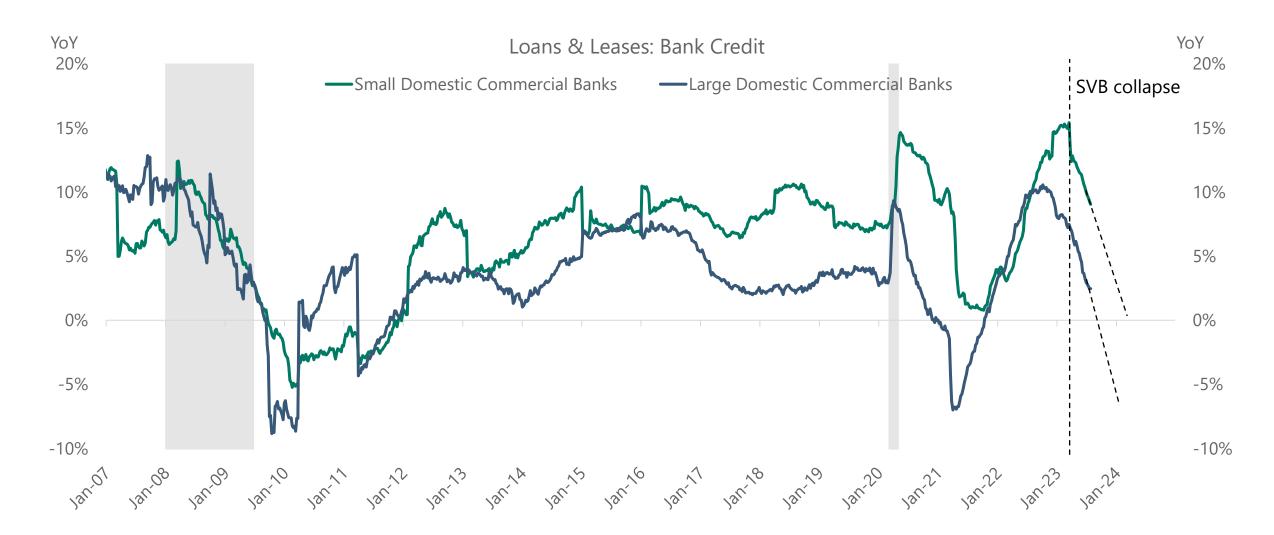


Source: FDIC, Haver Analytics, Apollo Chief Economist

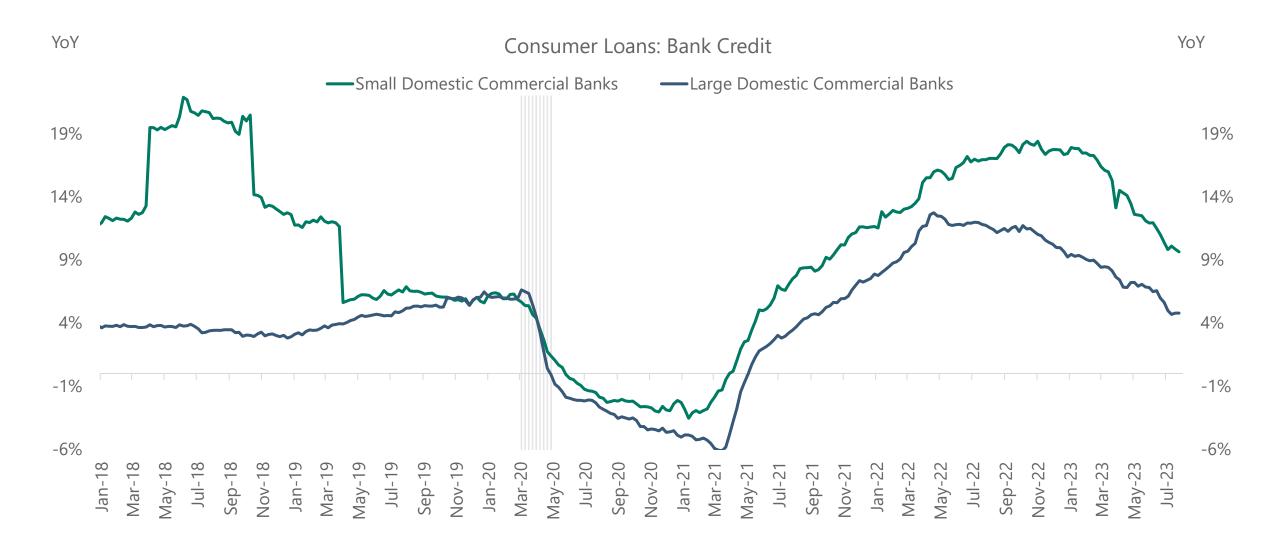
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Weekly data for bank lending by small and large banks

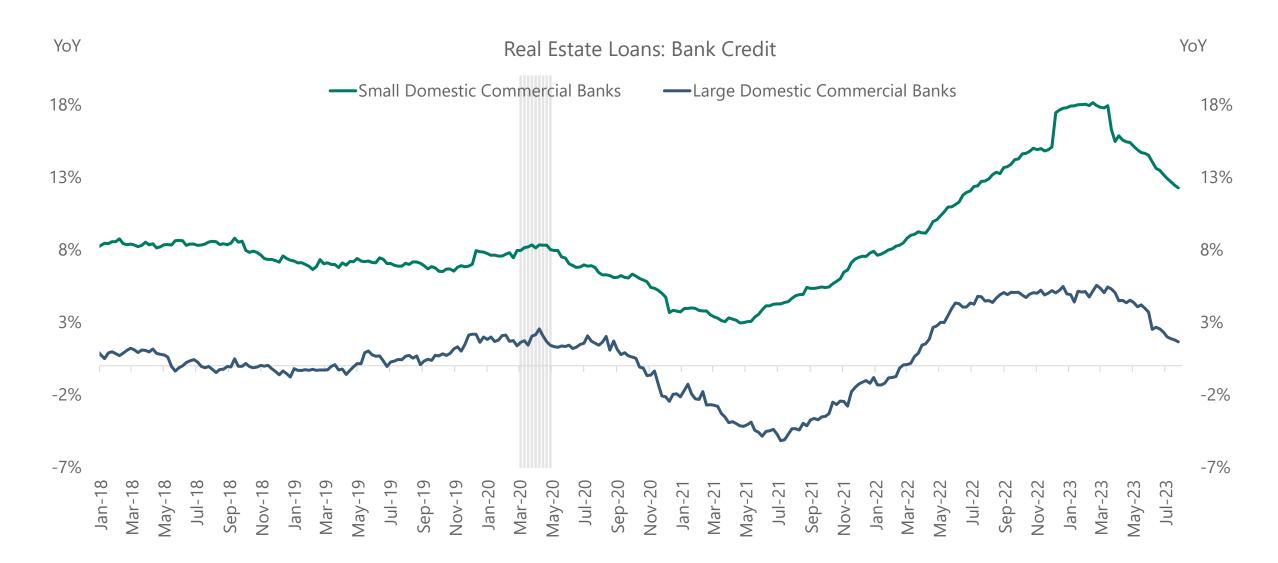
## Weekly data shows small and large bank lending growth slowing rapidly after SVB



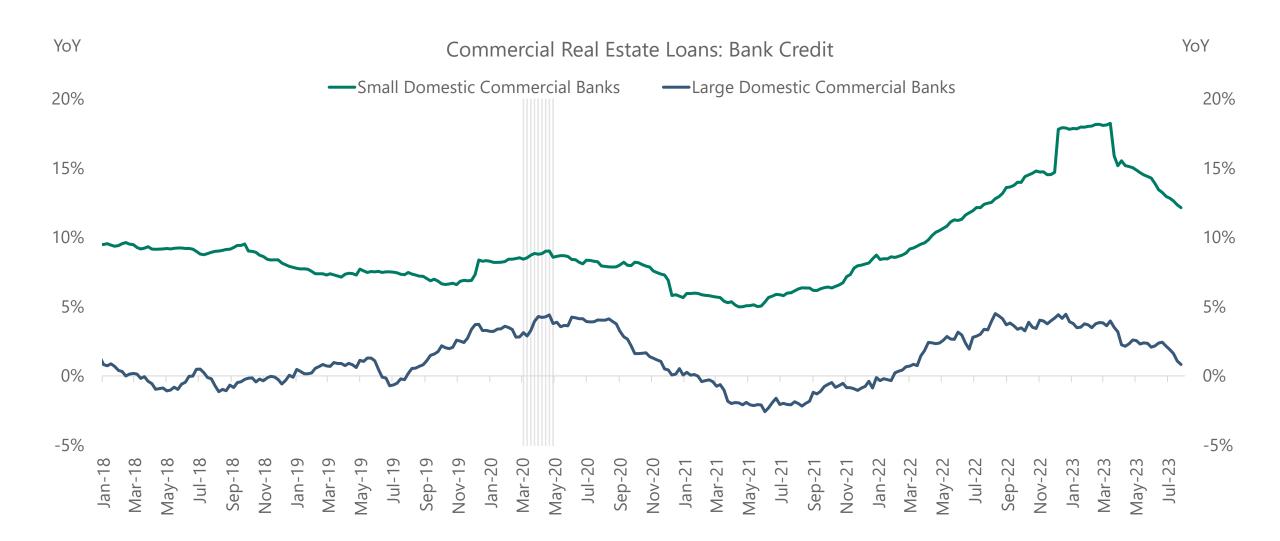
## Lending to consumers is slowing for both small and large banks



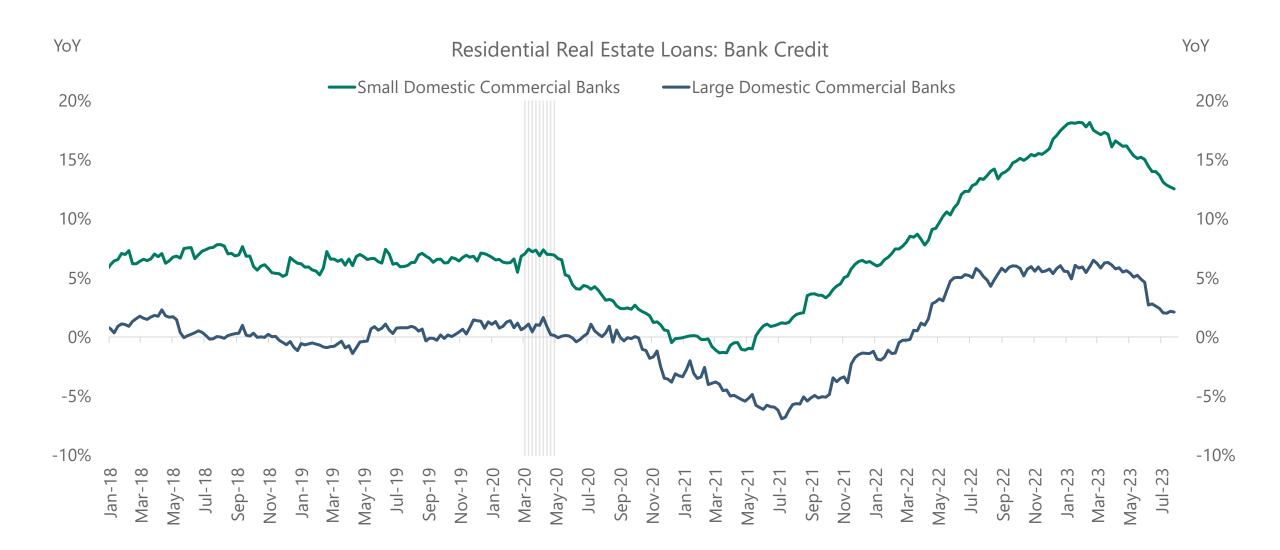
## Real estate lending is slowing for both small and large banks



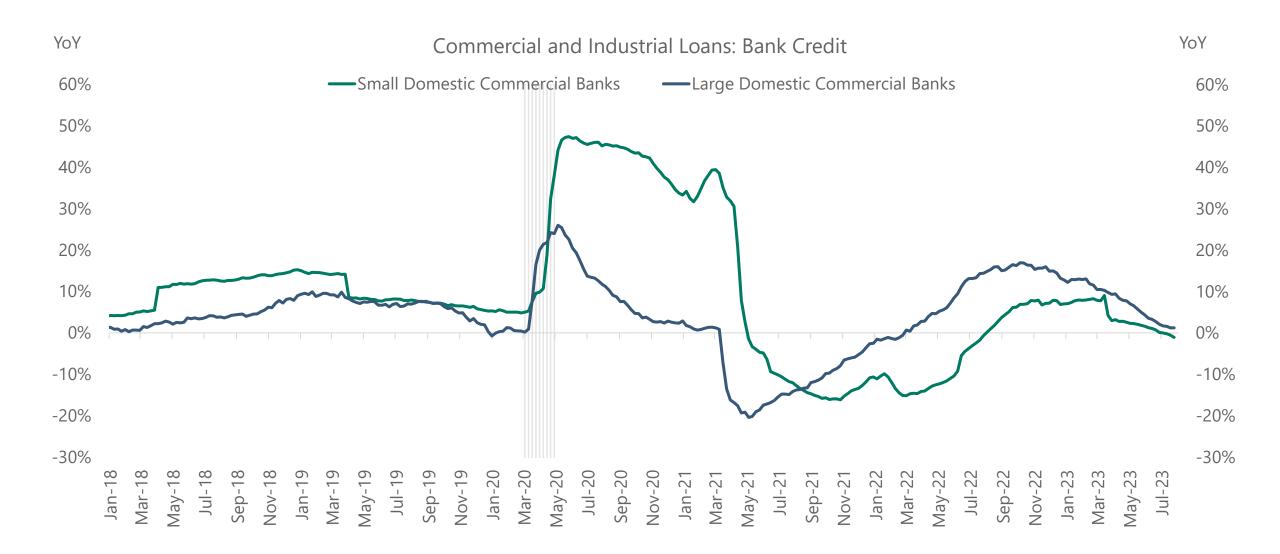
## Commercial real estate lending is slowing for both small and large banks



## Residential real estate lending is slowing for both small and large banks



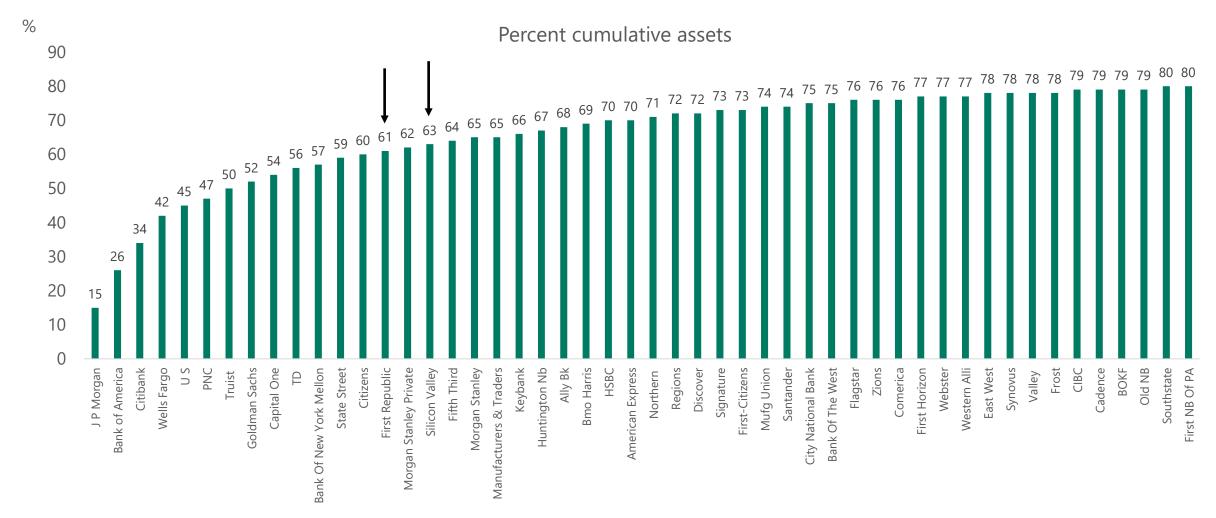
## Lending to corporates is slowing for both small and large banks



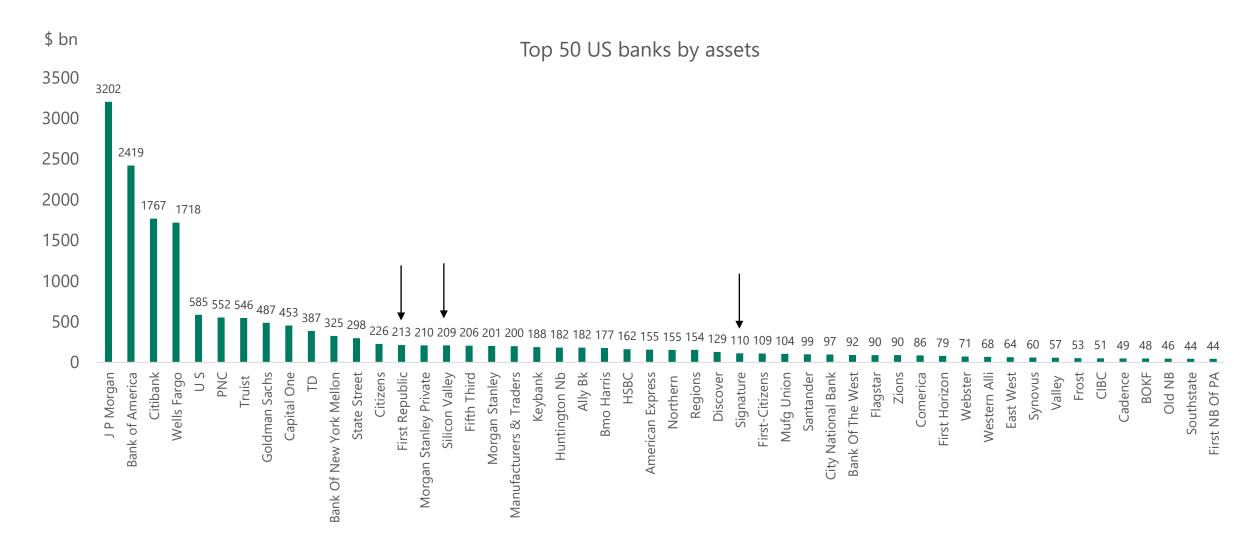
US banks by asset size:

The importance of regional banks for the US economy

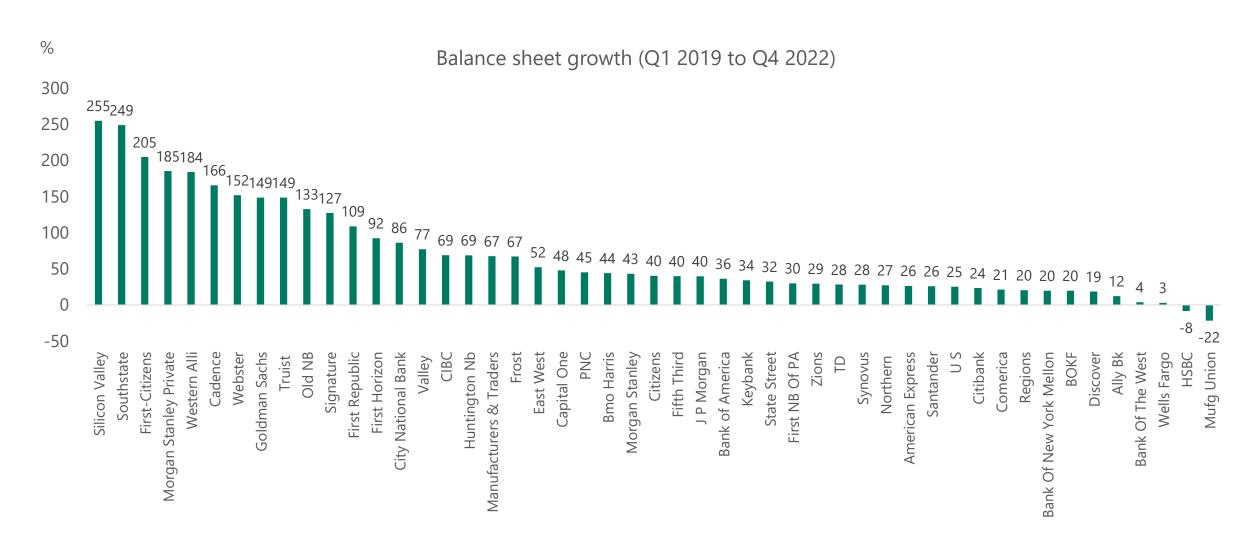
# Tighter credit conditions are coming: Banks "to the right" of SVB are likely to start reorganizing their balance sheets



#### Top 50 US banks by assets

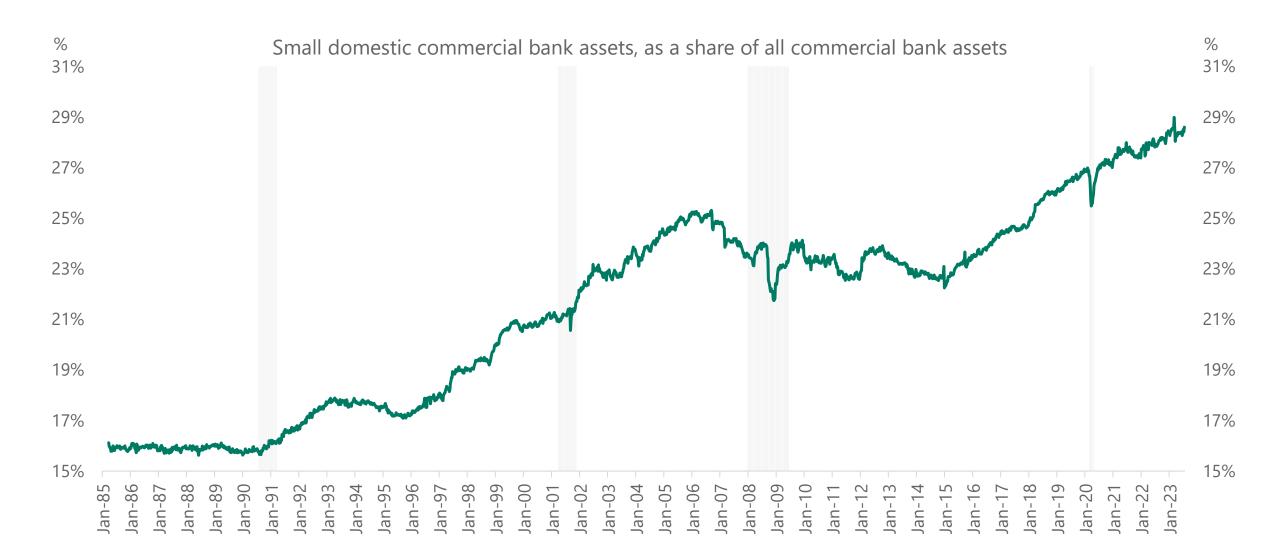


## Balance sheet growth of US banks, ranked by fastest growth in percent

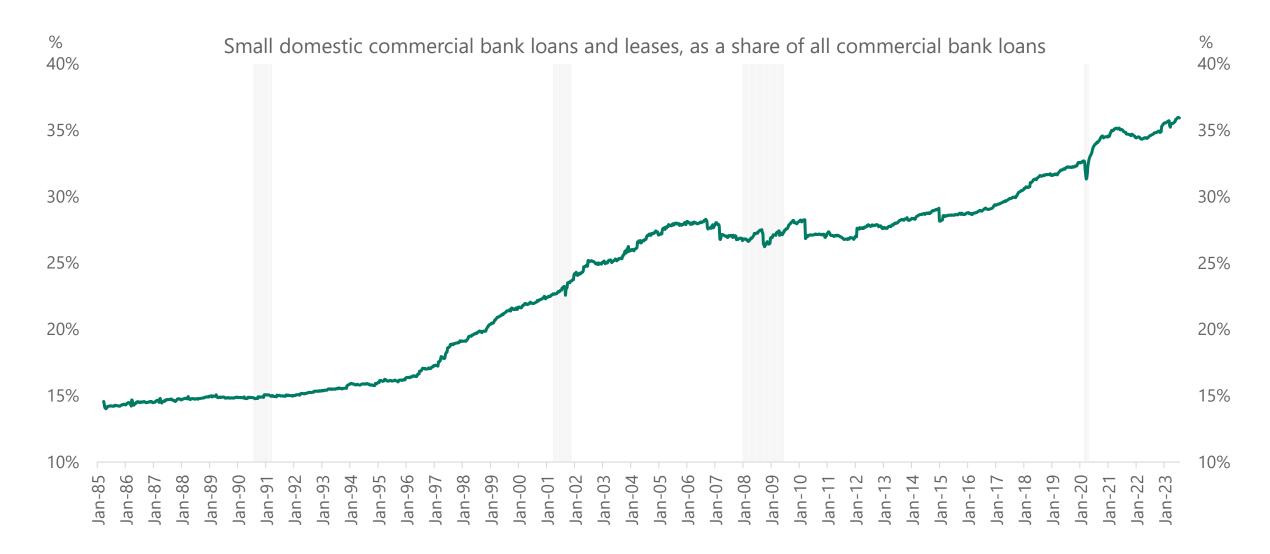


Source: FDIC, Apollo Chief Economist.

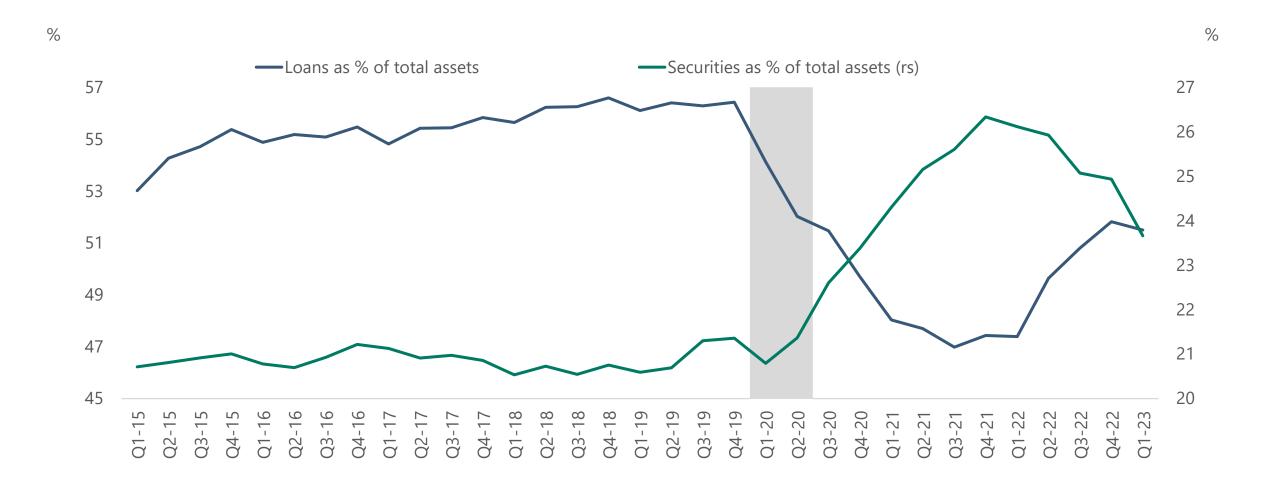
## Small bank assets as a share of total banking sector assets



## Share of lending by smaller banks

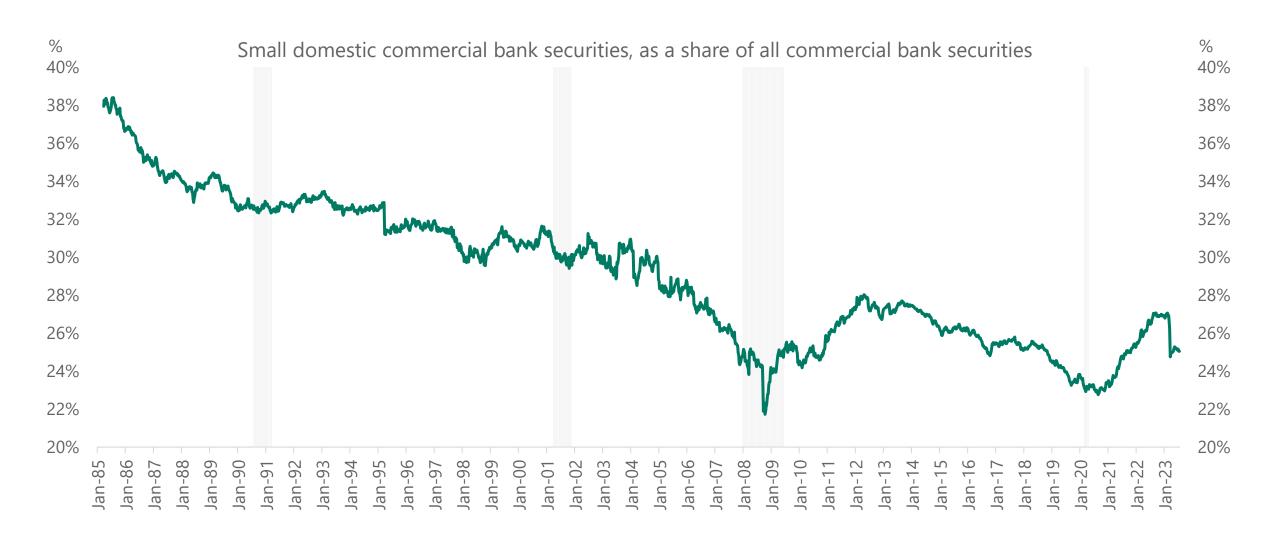


During the pandemic, banks shifted from lending to holding securities, which made them more vulnerable to Fed hikes

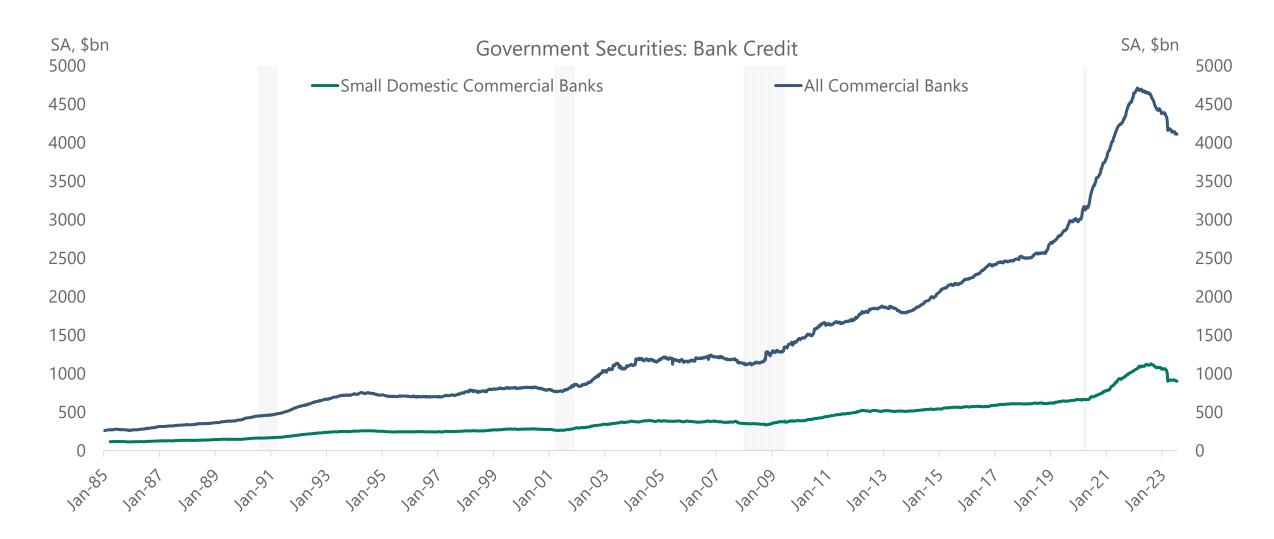


Source: FDIC, Bloomberg, Apollo Chief Economist

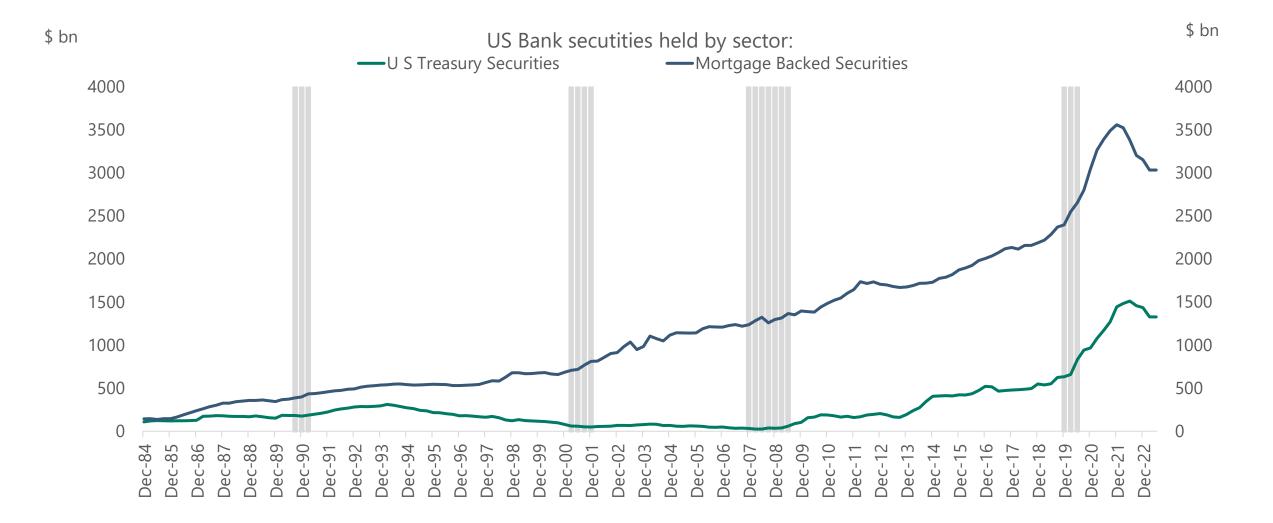
#### Share of securities in the banking sector held by small banks



#### Small banks hold about \$1trn in Treasuries

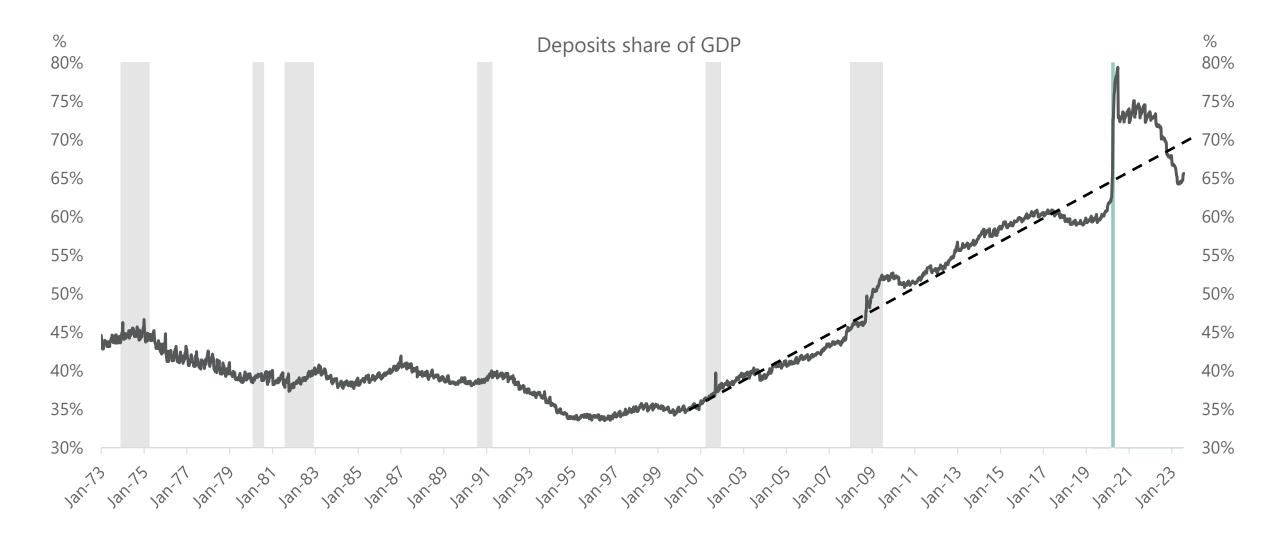


#### Securities held by FDIC-insured banks



Source: FDIC, Bloomberg, Apollo Chief Economist.

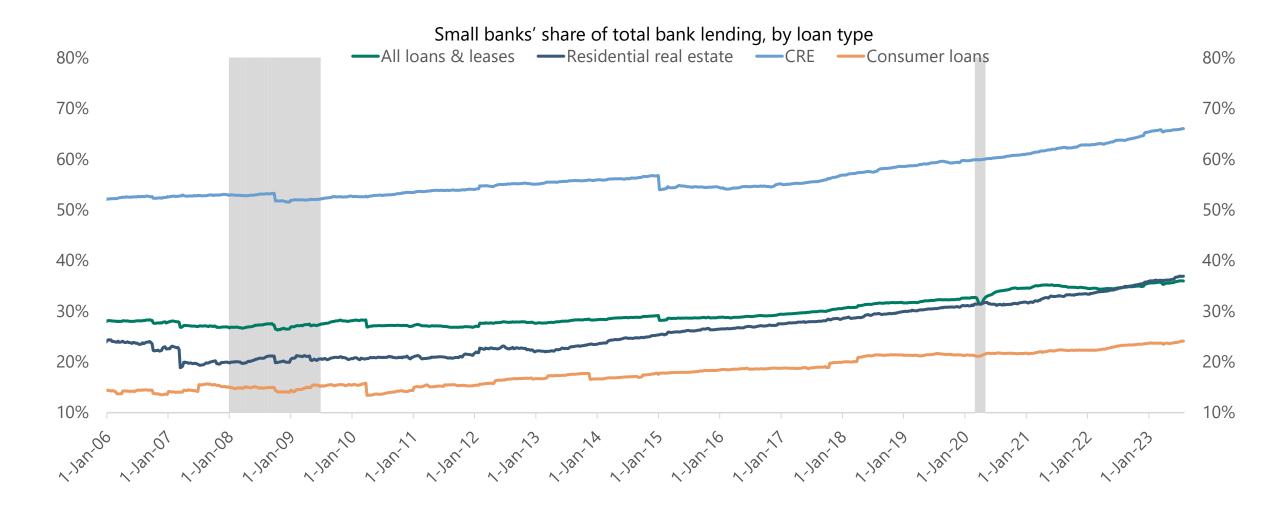
#### Deposits as a share of GDP now below trend



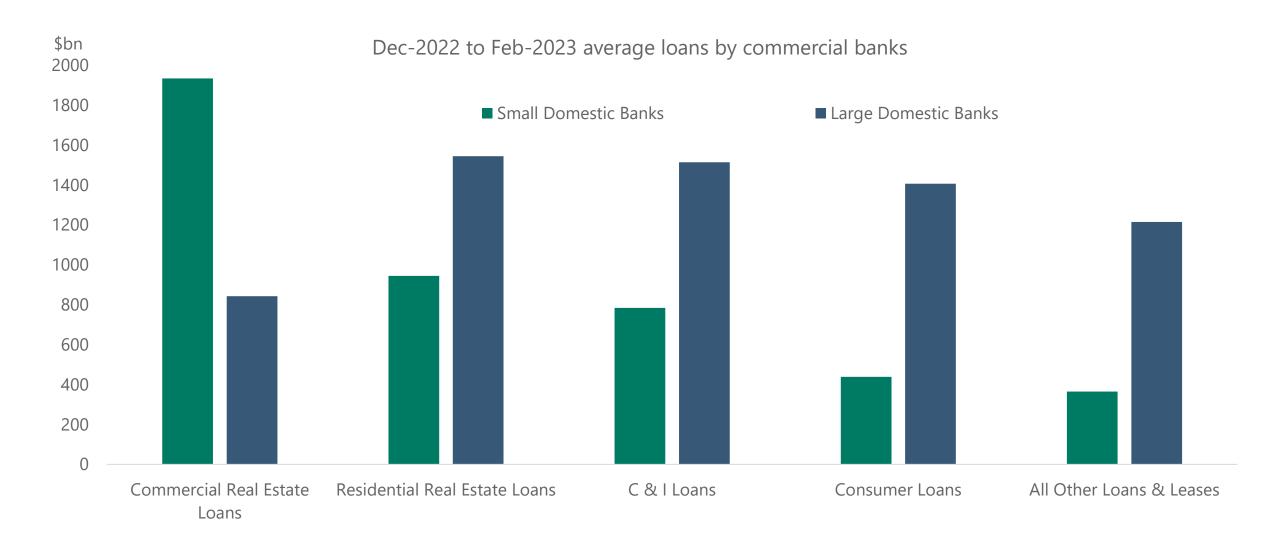
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Regional banks' asset concentration in CRE

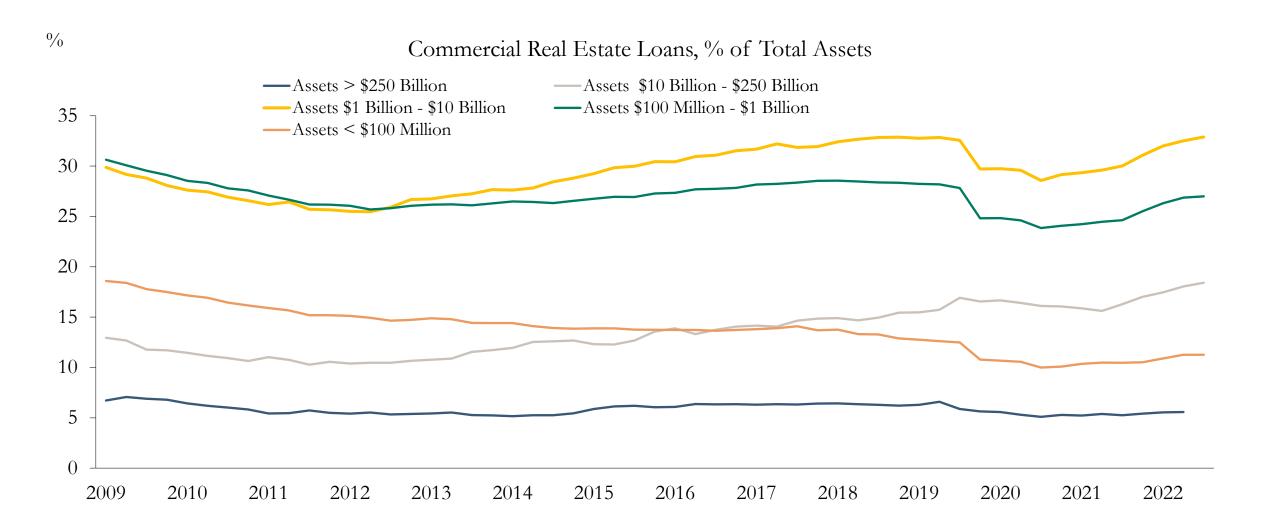
#### Small banks account for almost 70% of all commercial real estate loans outstanding



#### High concentration of commercial real estate in small banks

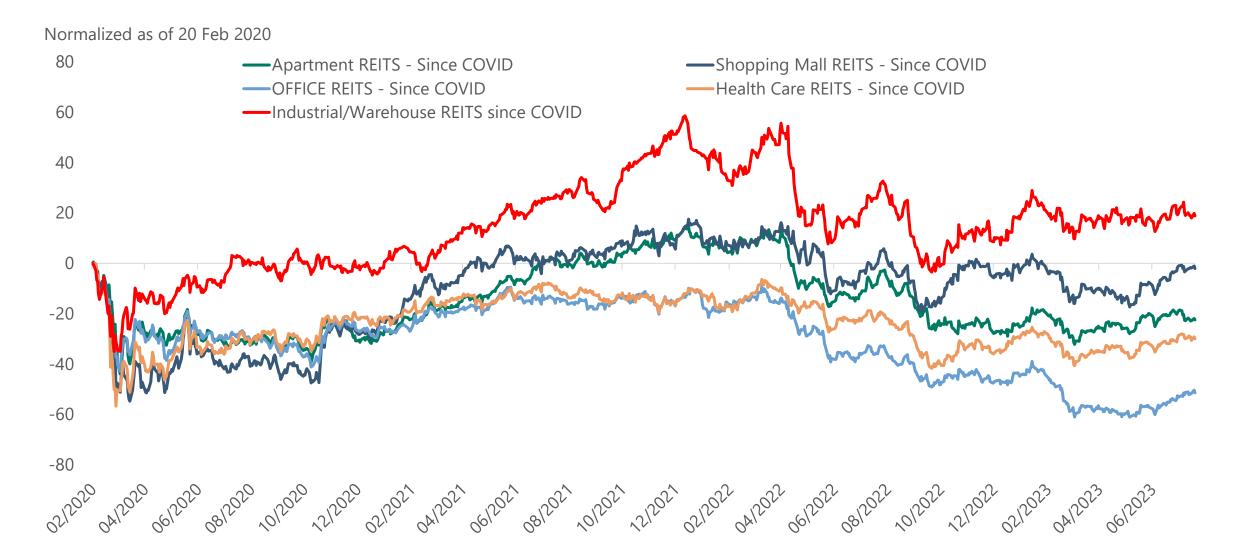


#### Banks with total assets between \$100mn and \$10bn are more exposed to CRE loans



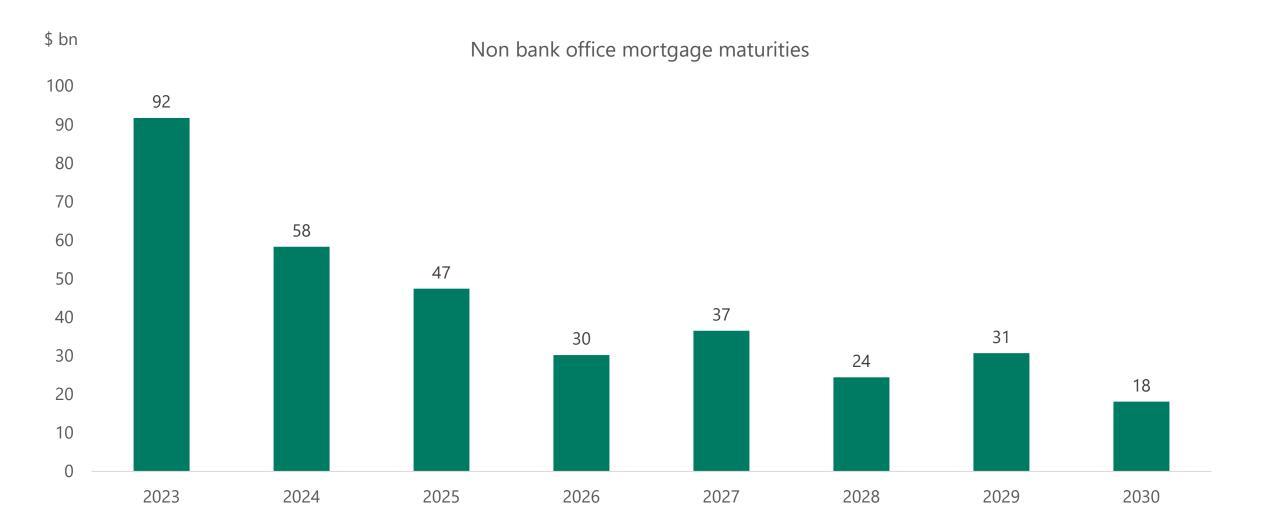
Source: FDIC, Apollo Chief Economist.

#### Where are the problems in CRE?



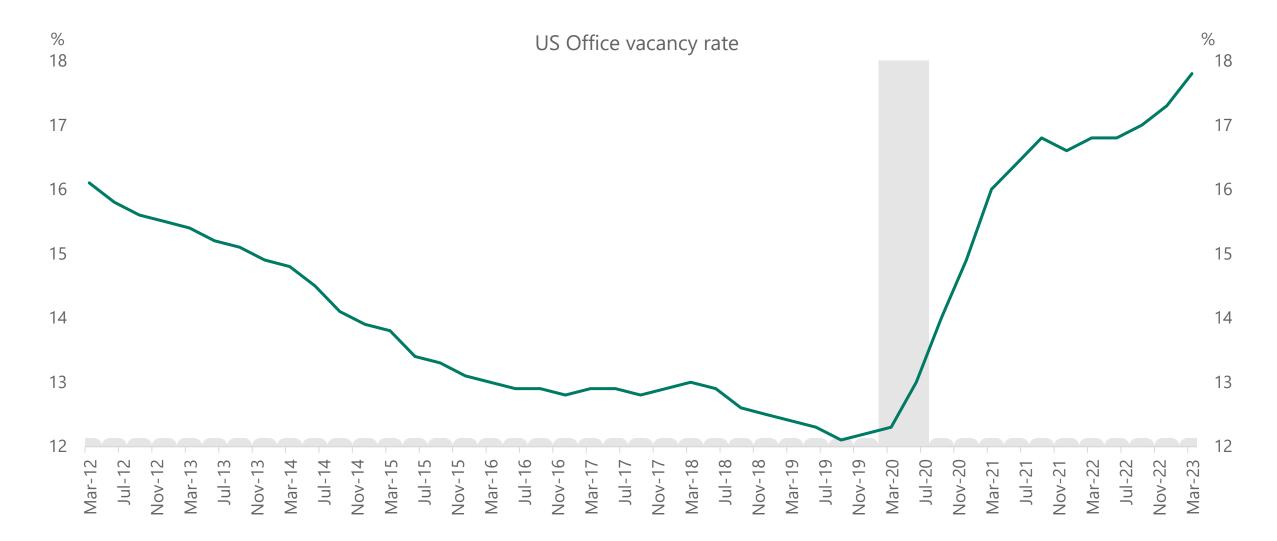
Source: Bloomberg, Apollo Chief Economist

#### Nearly \$92 bn of nonbank office debt is set to mature this year



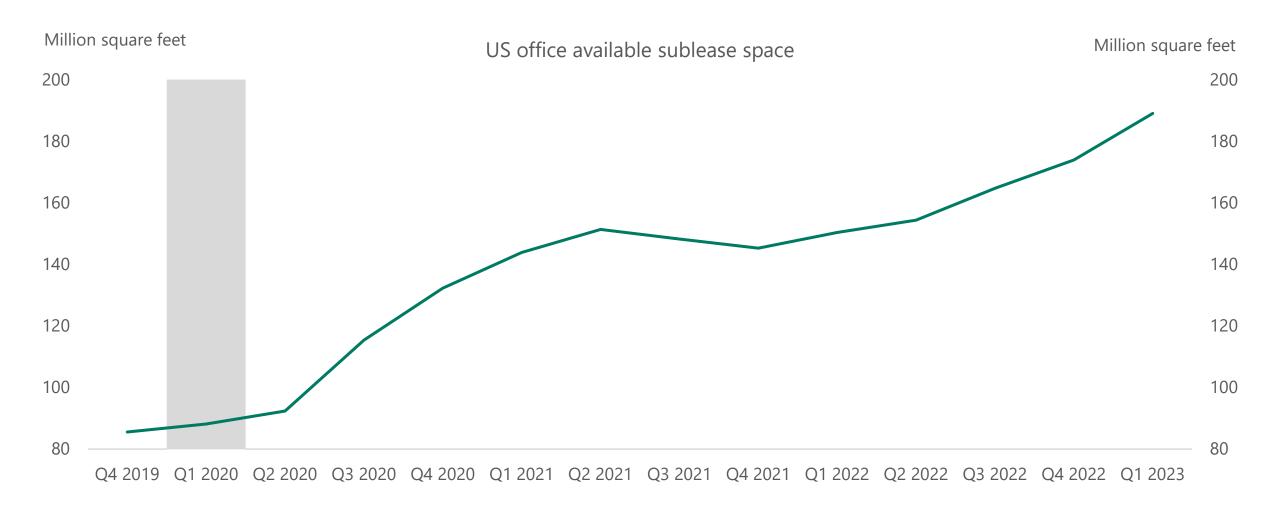
Source: MBA, Bloomberg, Apollo Chief Economist 83

#### US Office vacancy rate rising



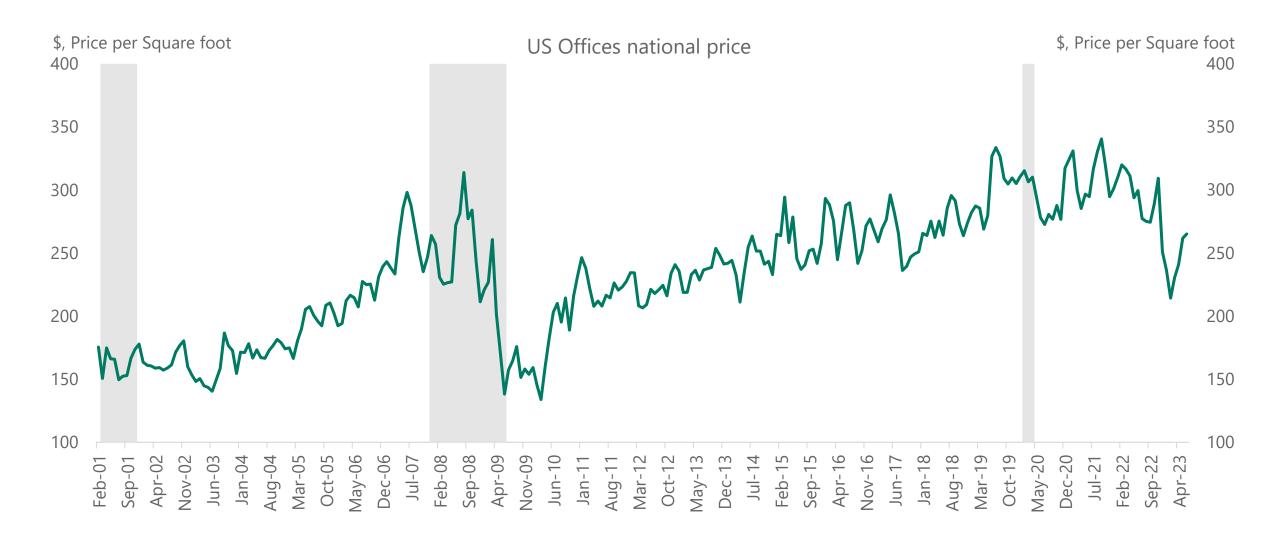
Source: Bloomberg, Apollo Chief Economist

#### Available US office space rising



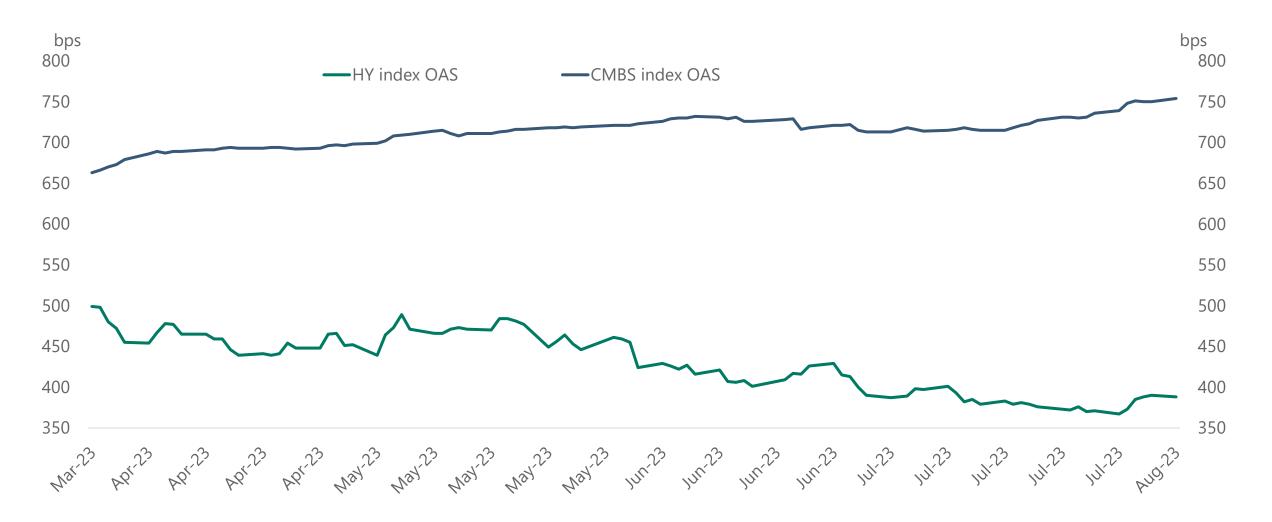
Source: Savills US Markets, Bloomberg, Apollo Chief Economist.

#### Price per square foot for US offices falling

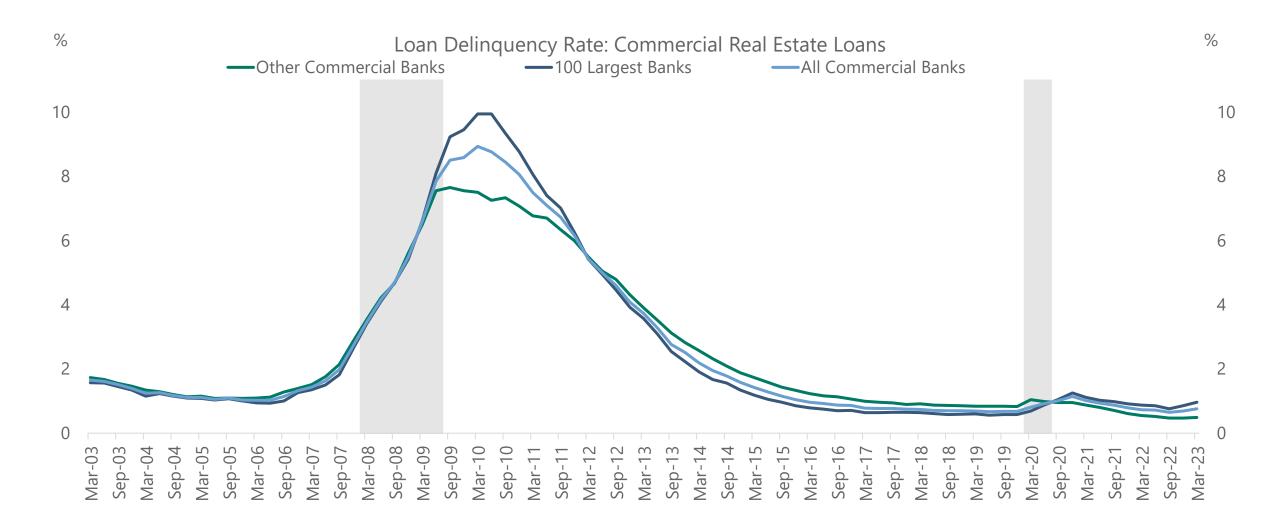


Source: RCA, Bloomberg, Apollo Chief Economist

#### CMBS spreads compared with HY spreads

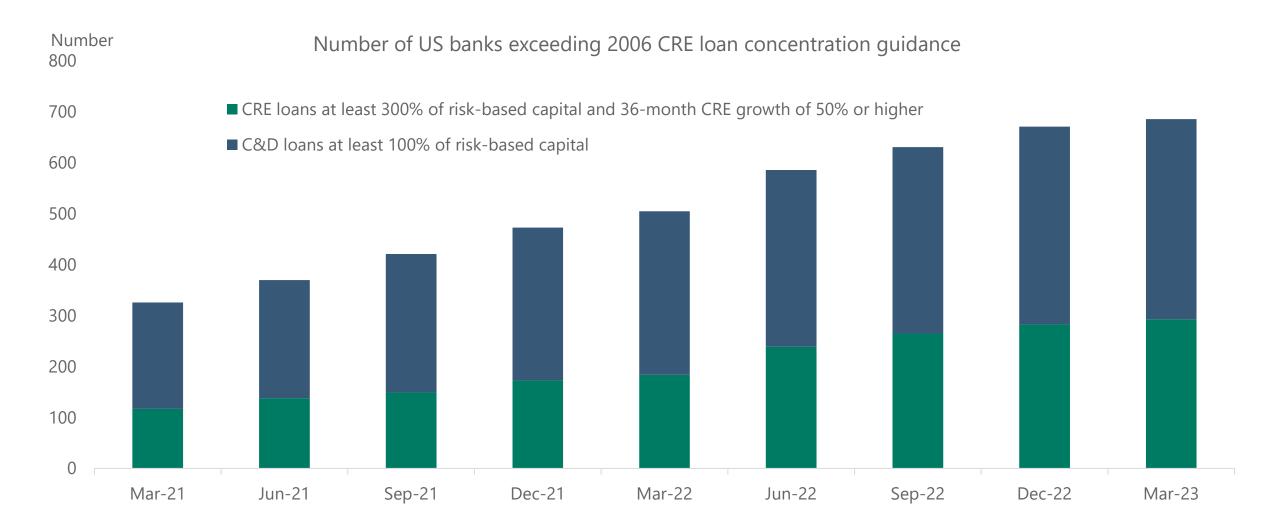


#### CRE delinquency rate



Source: FRB, Haver Analytics, Apollo Chief Economist

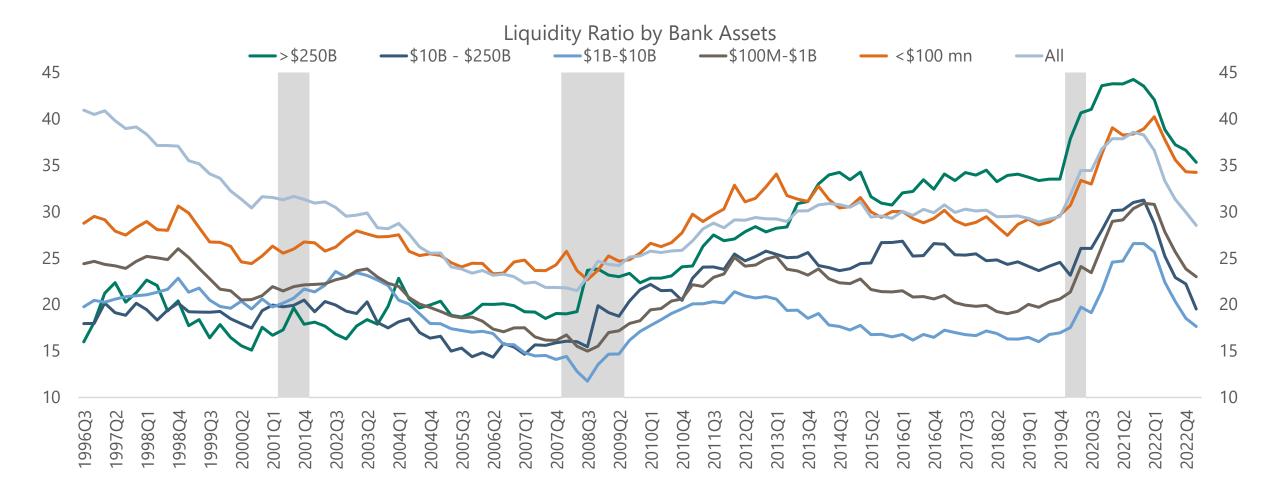
#### Number of banks with CRE exposure rising



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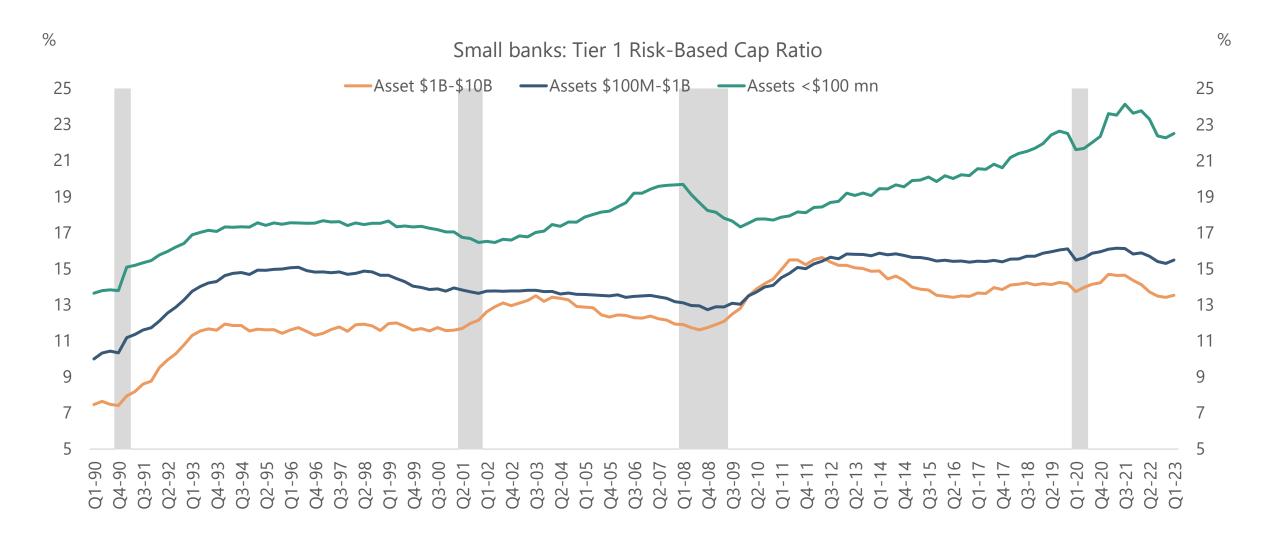
Measures of banking sector liquidity and capital ratios

#### Liquidity ratio, by bank assets: Banks from \$1bn to \$10bn have the least liquidity

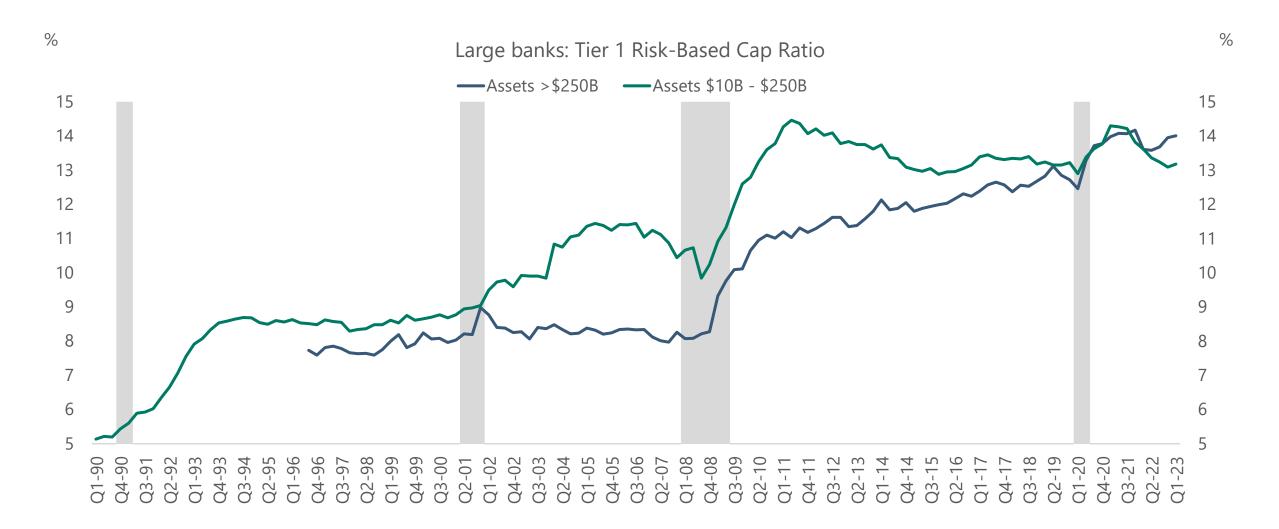


Source: FDIC, Bloomberg, Apollo Chief Economist.

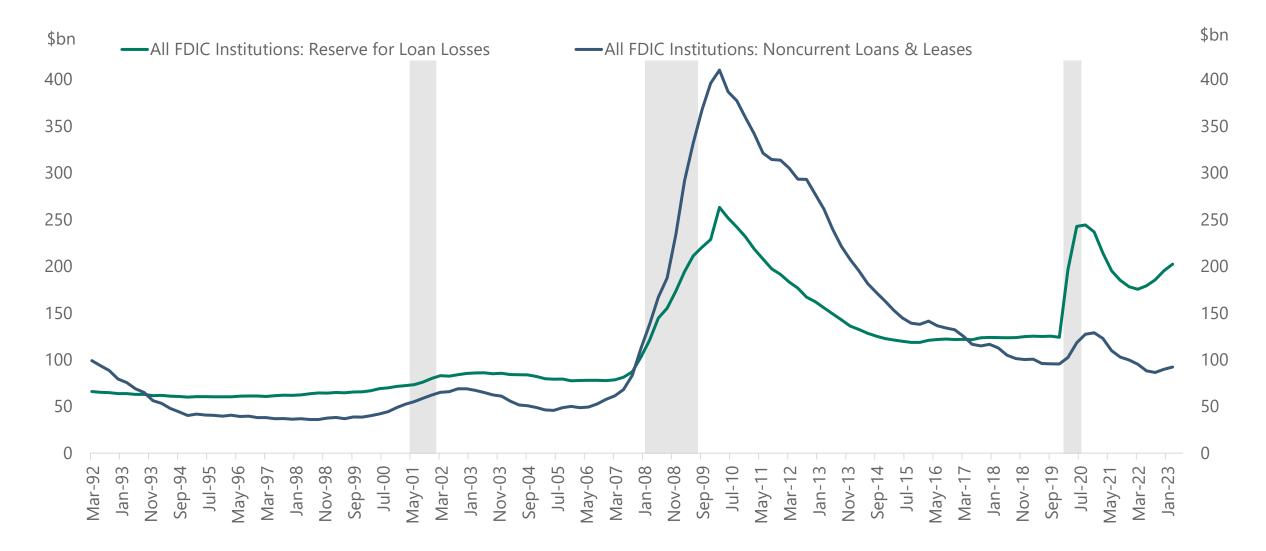
#### Tier-1 risk-based capital ratio for banks, by size



#### Tier 1 risk-based capital ratio for larger banks

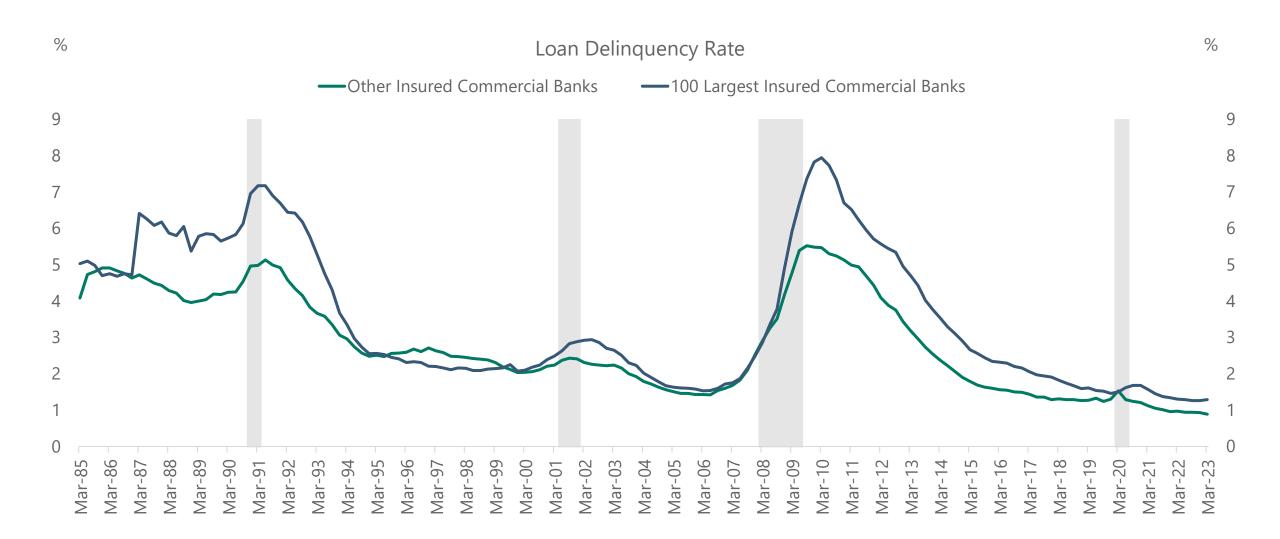


#### Reserves for loan losses

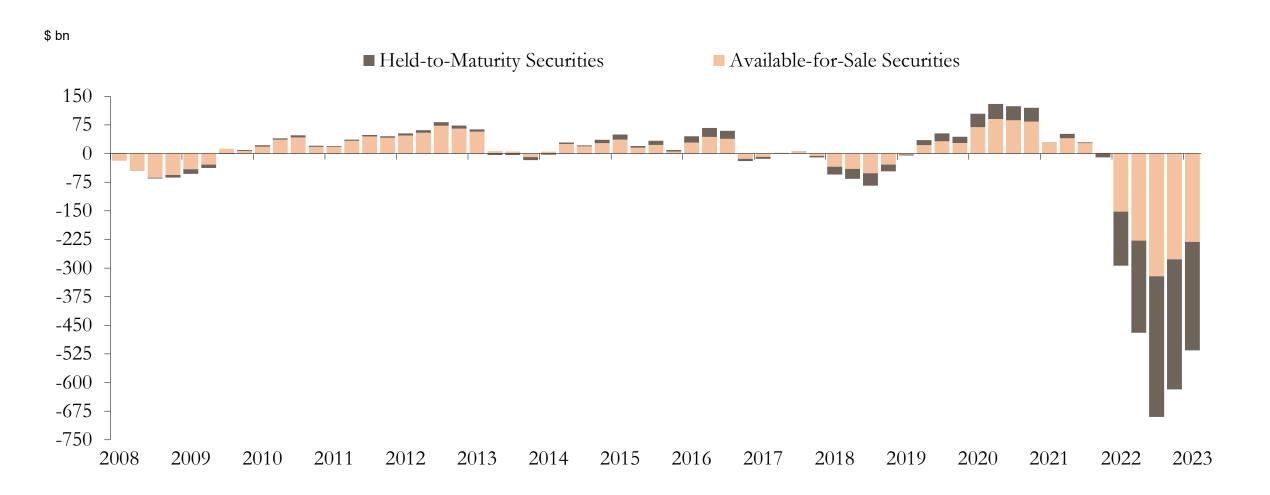


Source: FDIC, Haver Analytics, Apollo Chief Economist.

#### Loan delinquency rates for large and small banks



#### Unrealized Gains (Losses) on investment securities for banks, as of 2023Q1

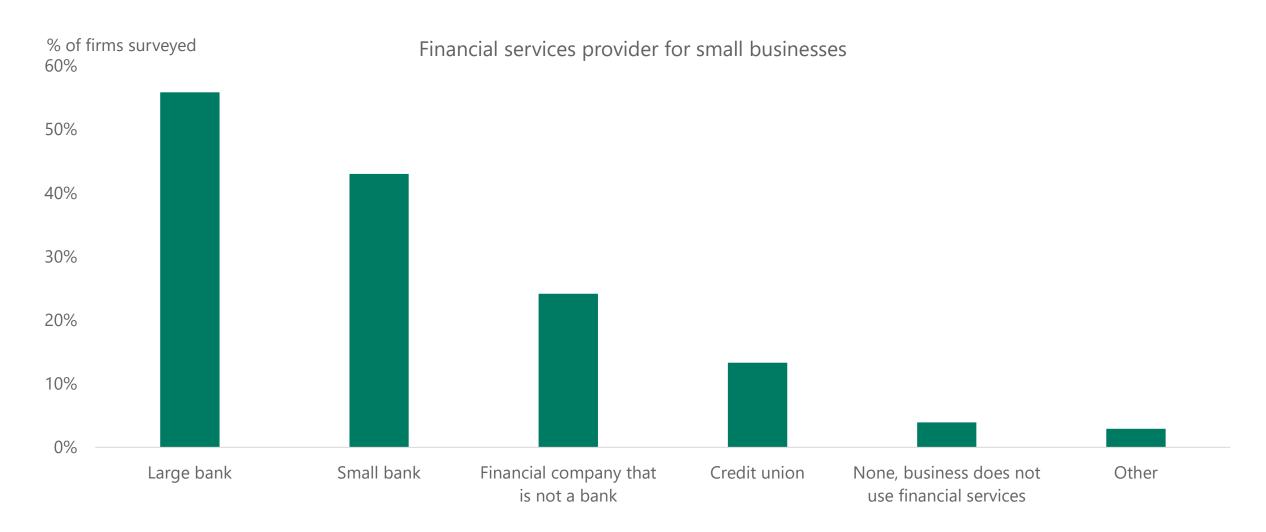


Source: FDIC, Apollo Chief Economist.

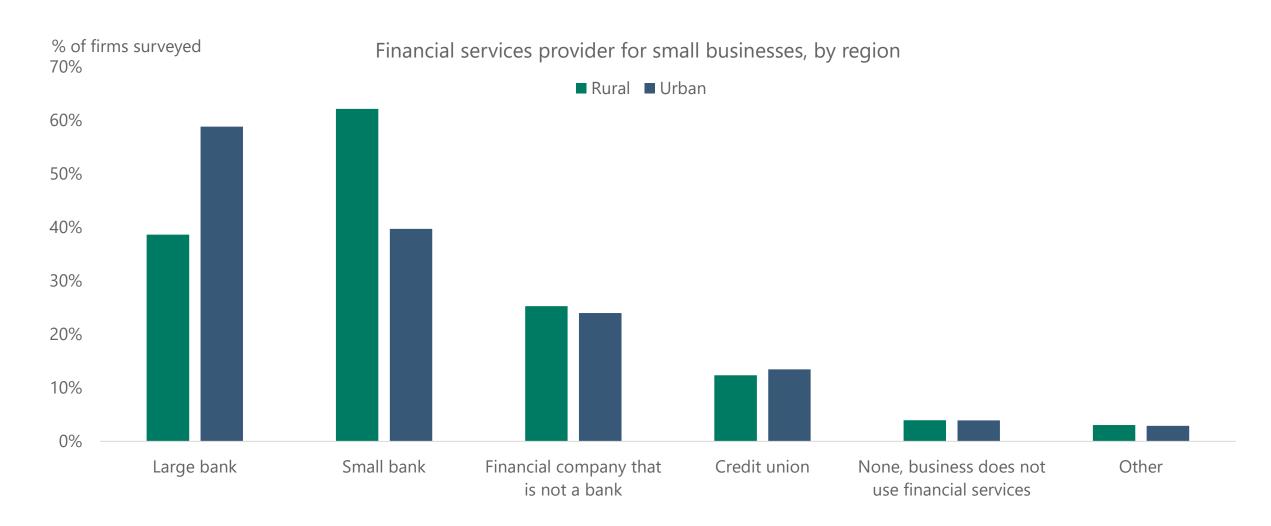
APOLLO

Sources of financing for small businesses

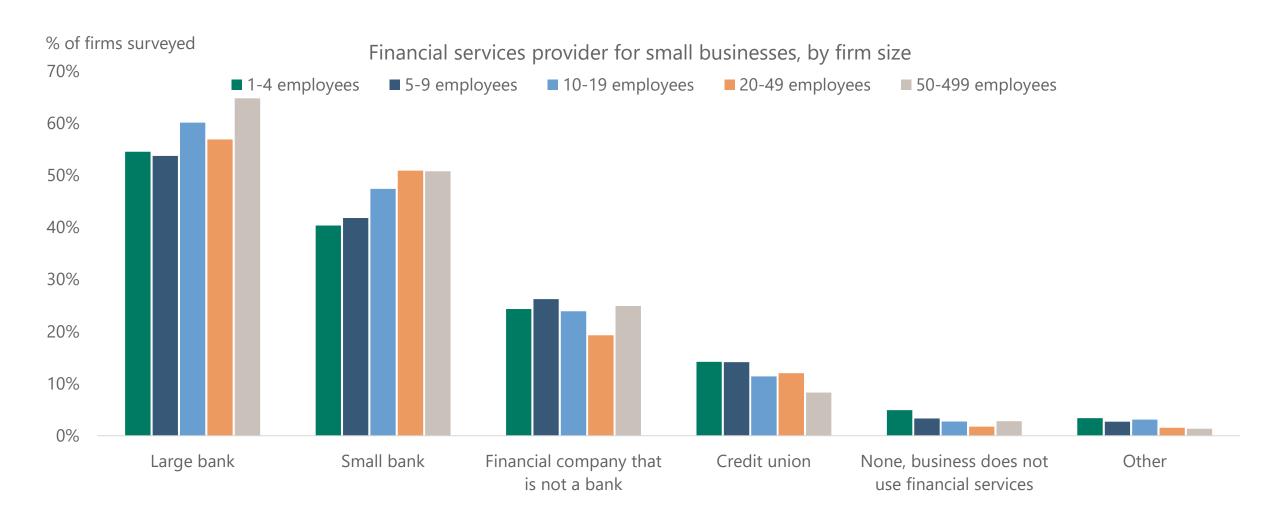
# Sources of financing for small businesses



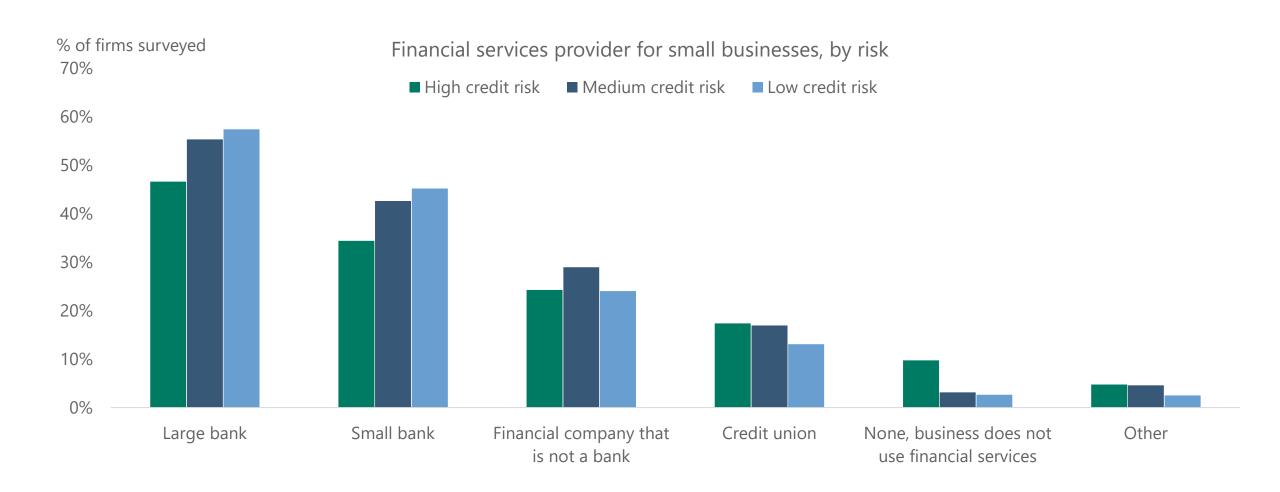
# Small banks provide 60% of lending for small businesses in rural areas and 40% in urban areas



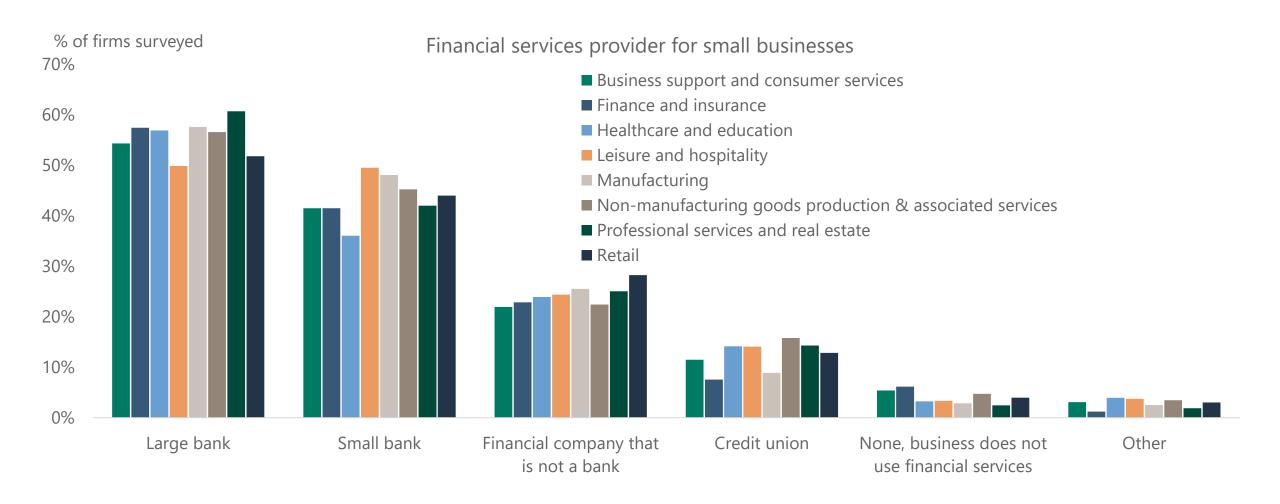
#### Sources of financing for small businesses, by firm size



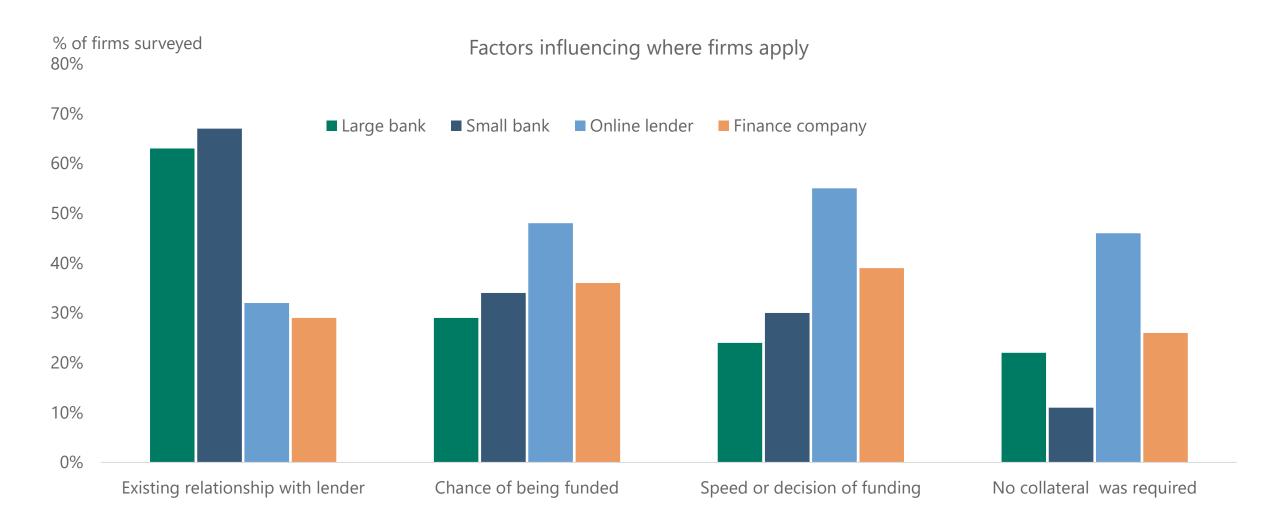
#### Sources of financing for small businesses, by risk of the firm



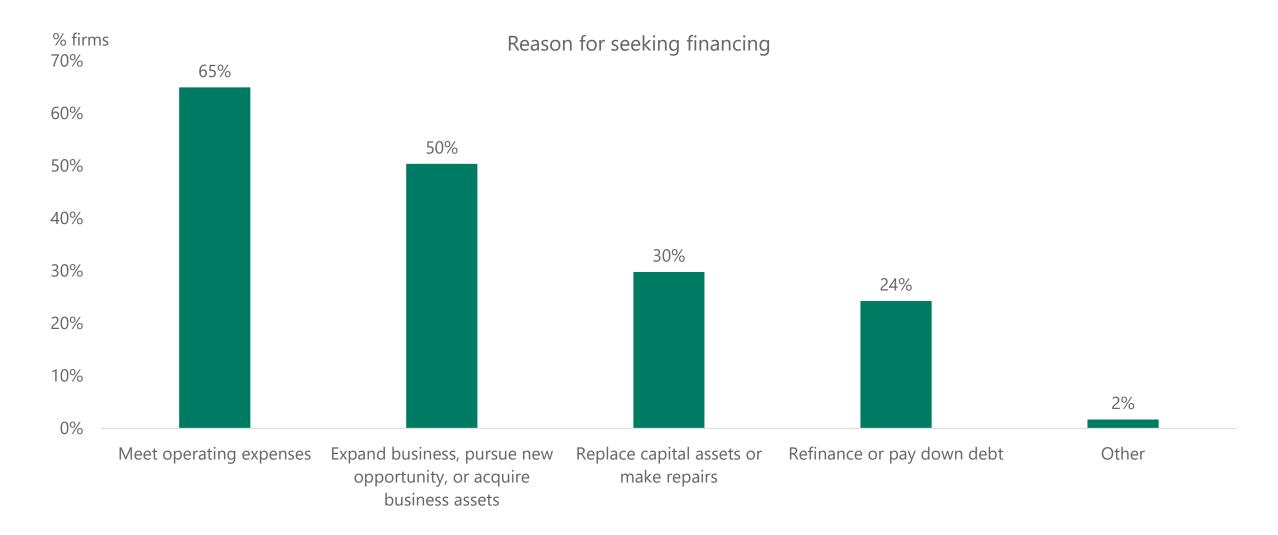
## Sources of financing for small businesses, by firm industry



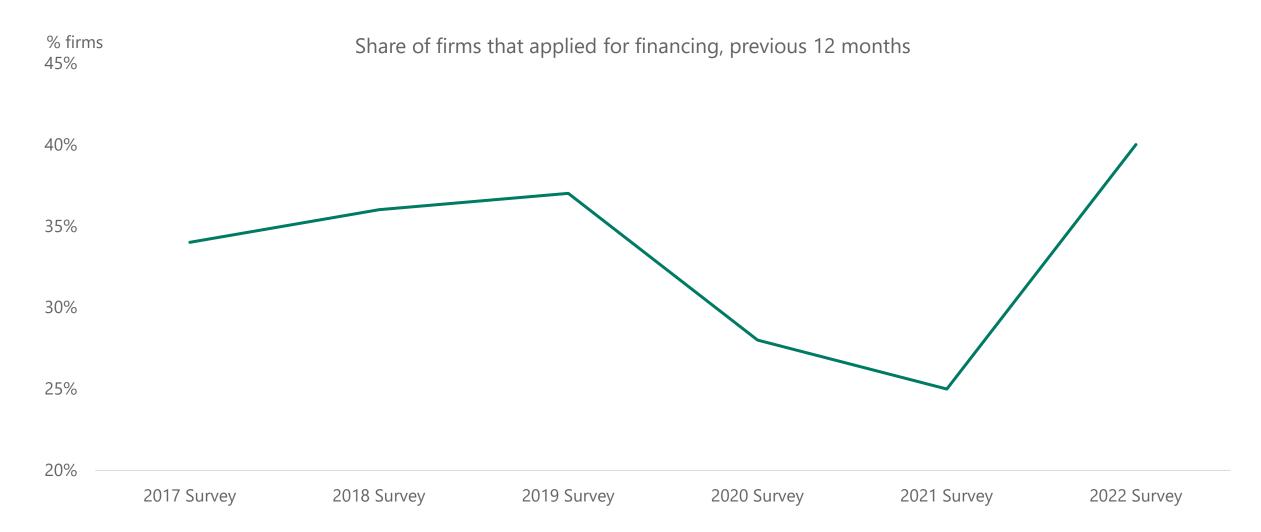
# Factors influencing where small businesses apply for a loan. Relationship is important for small bank lending



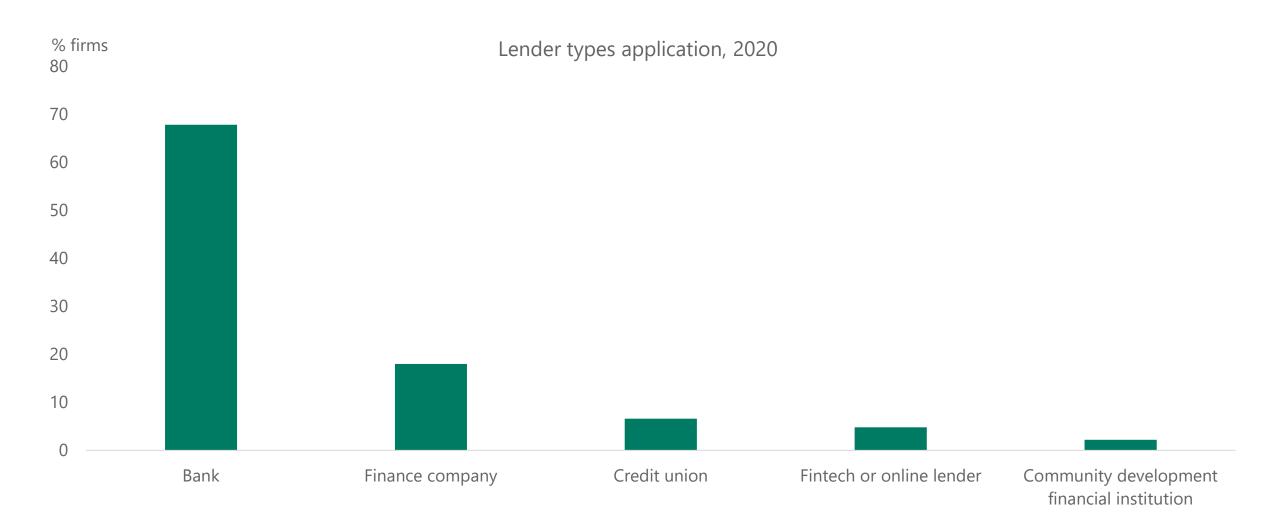
#### Purpose of seeking financing for small businesses



## 40% of small firms have applied for financing in the past 12 months



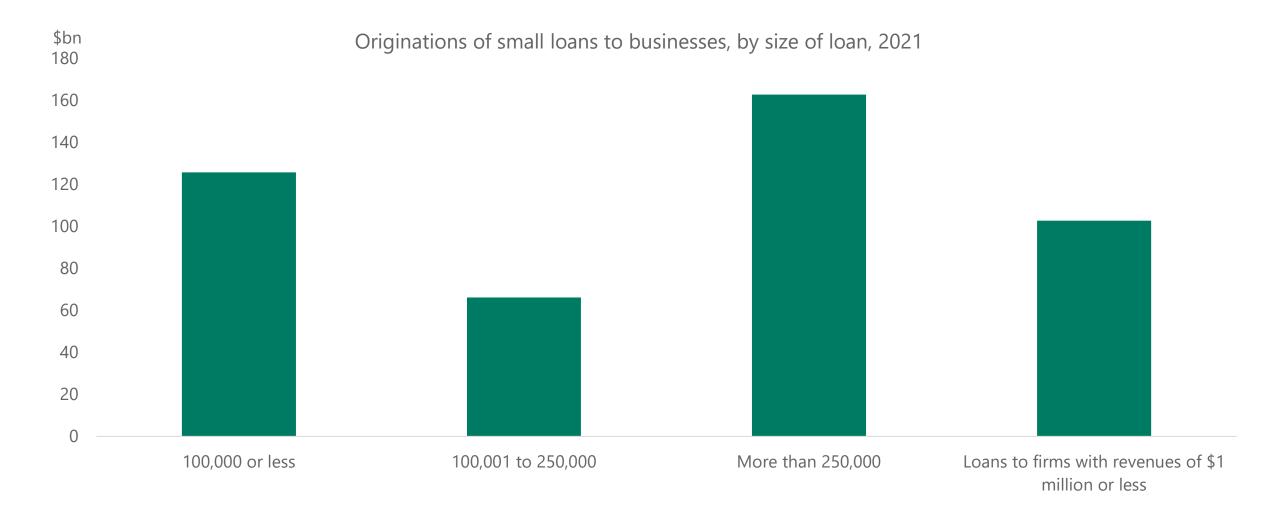
## Banks are the most important source of financing for small businesses



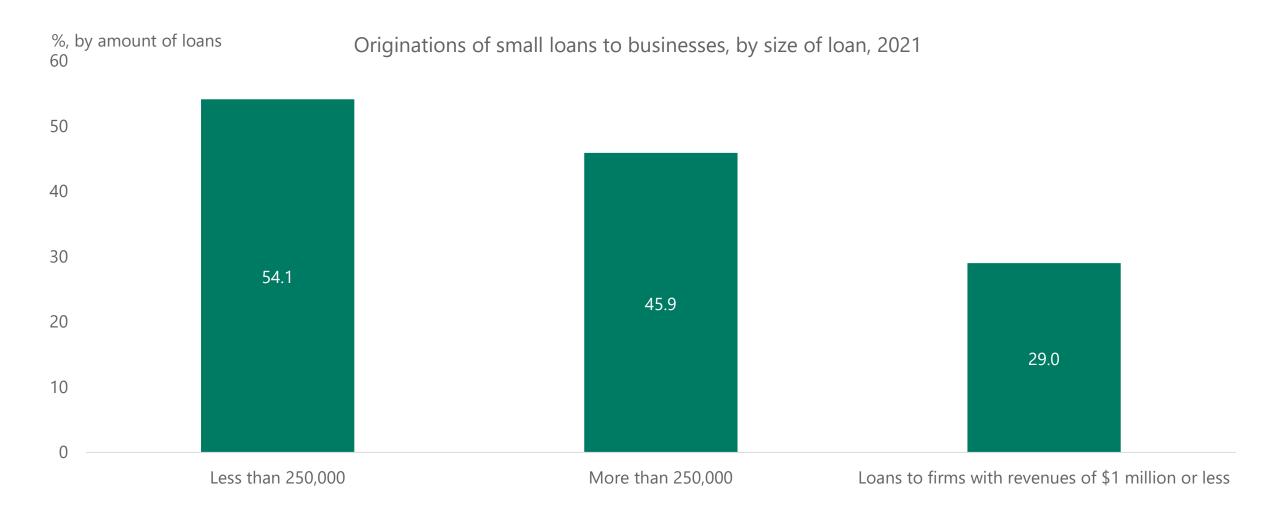
#### APOLLO

Small business loans

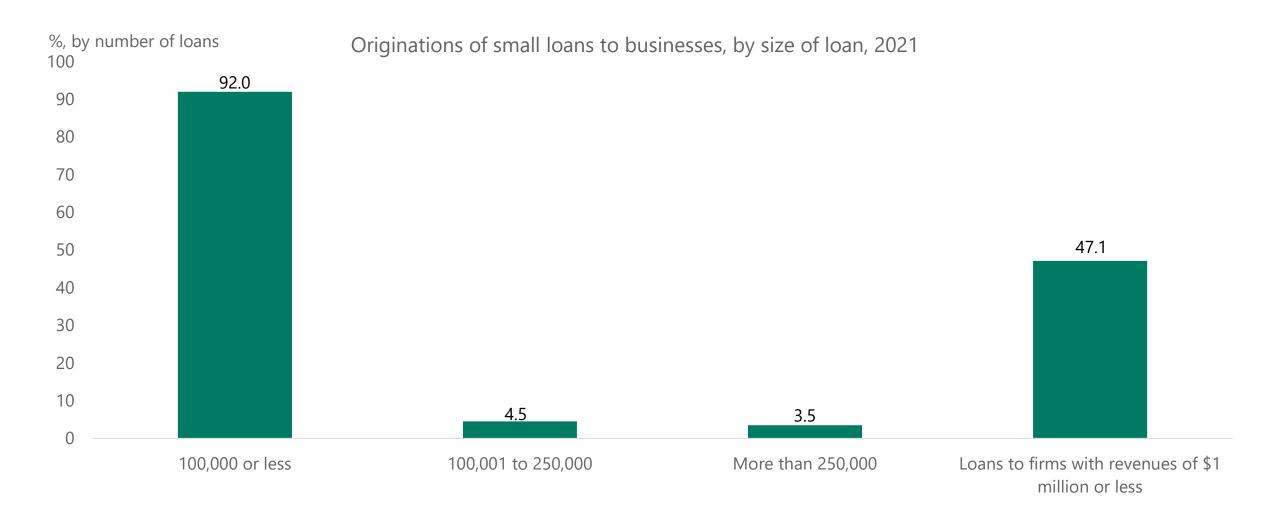
#### Size of small loans to businesses



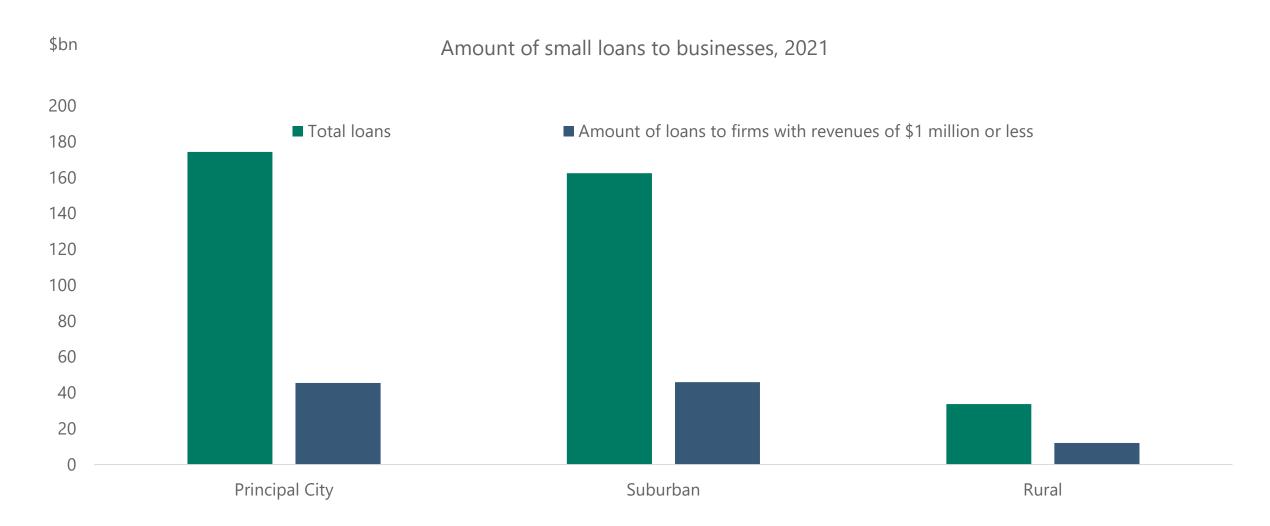
## Share of loans to small businesses, by loan size



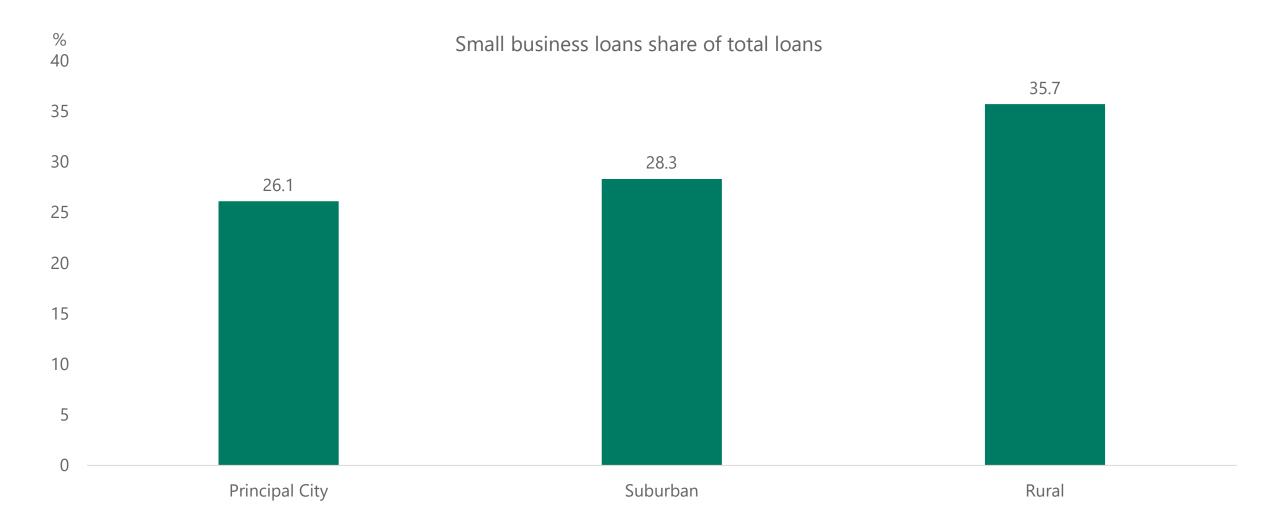
## 92% of all loans to small businesses in the US are less than \$100,000



## Total loans vs loans to small businesses by neighborhood characteristic



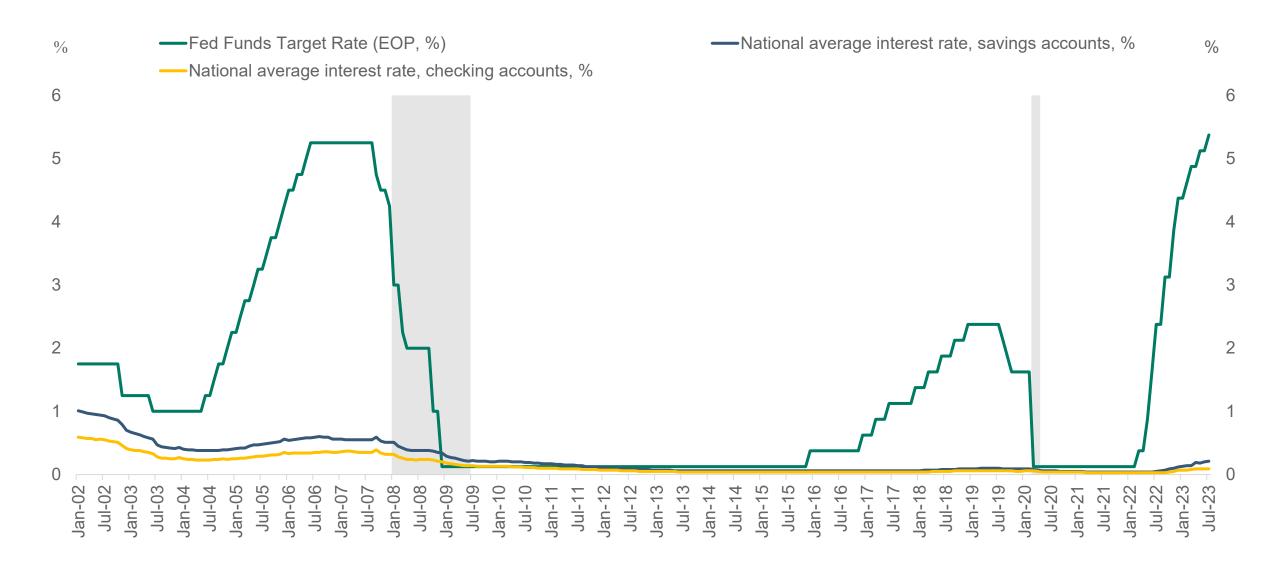
## Share of loans to small businesses by neighborhood characteristic



#### APOLLO

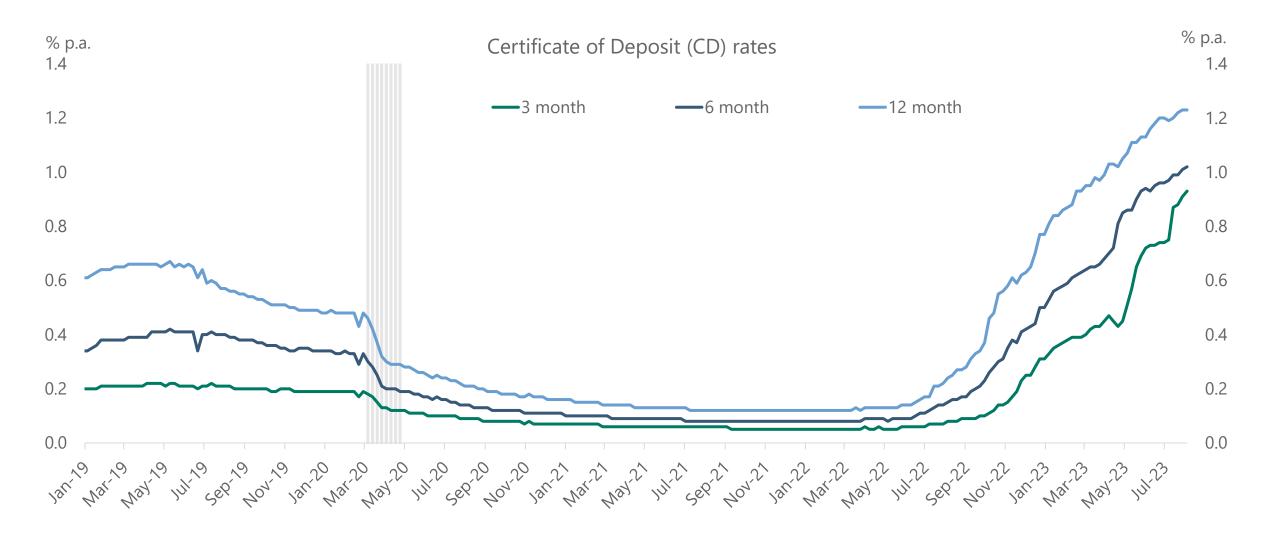
Fed funds rate versus national average interest rate on checking accounts and CDs

## Interest rate on checking accounts versus the Fed funds rate

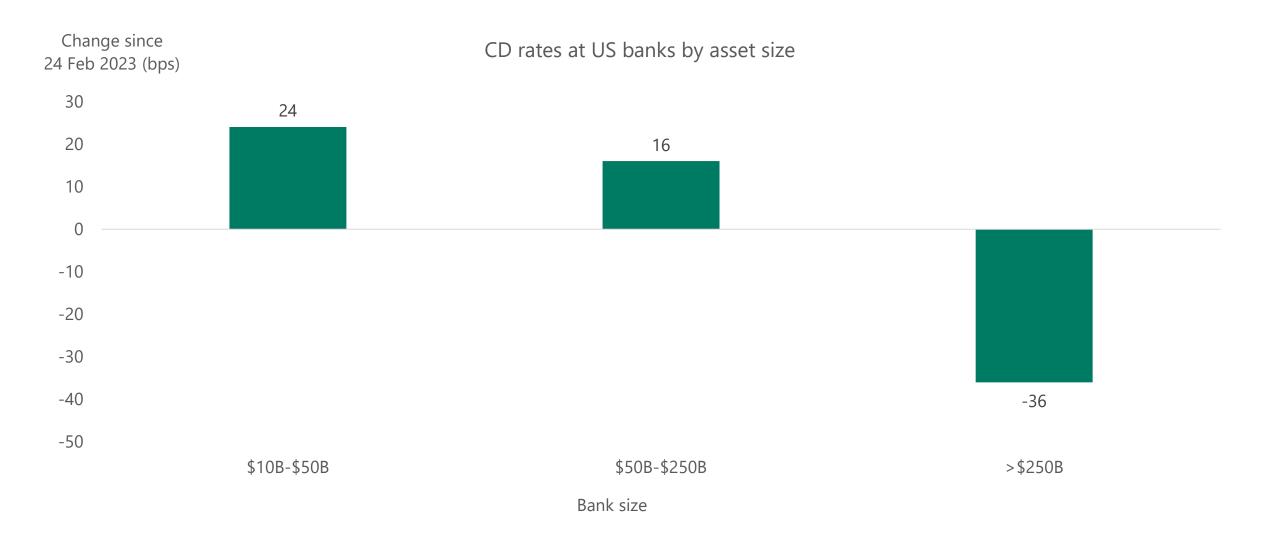


Source: FRB, RateWatch, Haver Analytics, Apollo Chief Economist.

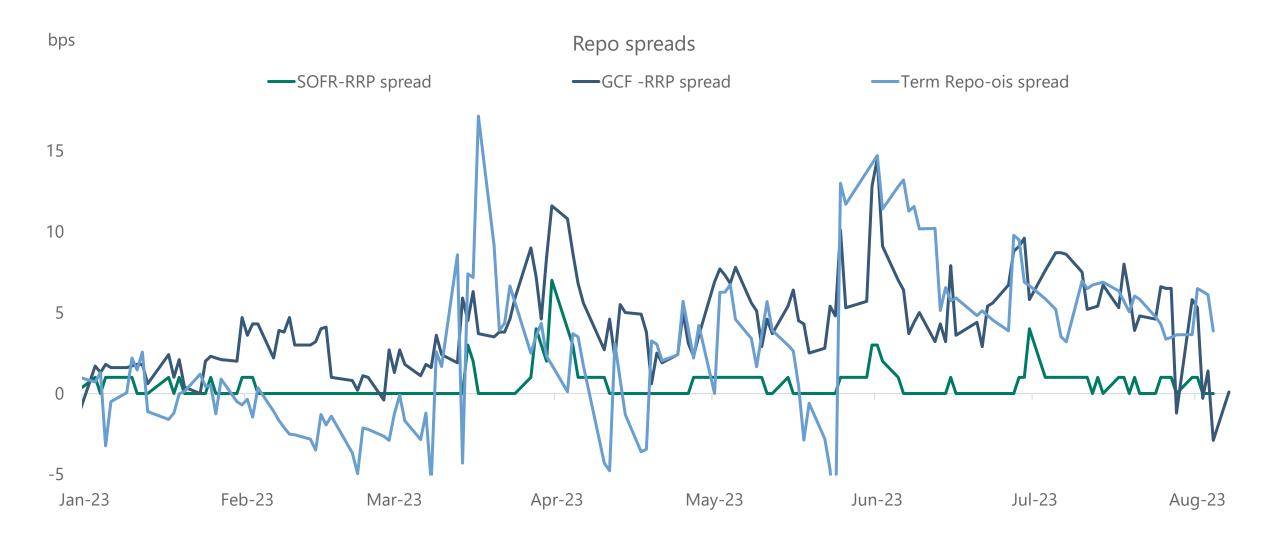
### CD rates have slowly increased as the Fed has raised interest rates



## After SVB: Change in 3-month CD rates at US banks, by size of bank

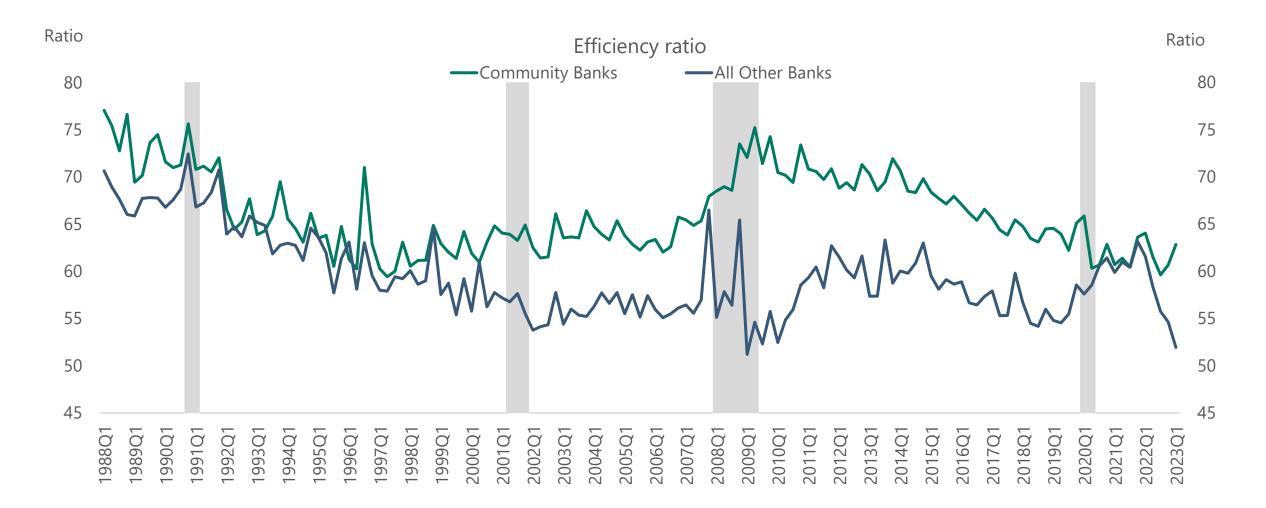


## Monitoring repo spreads for stresses in money markets

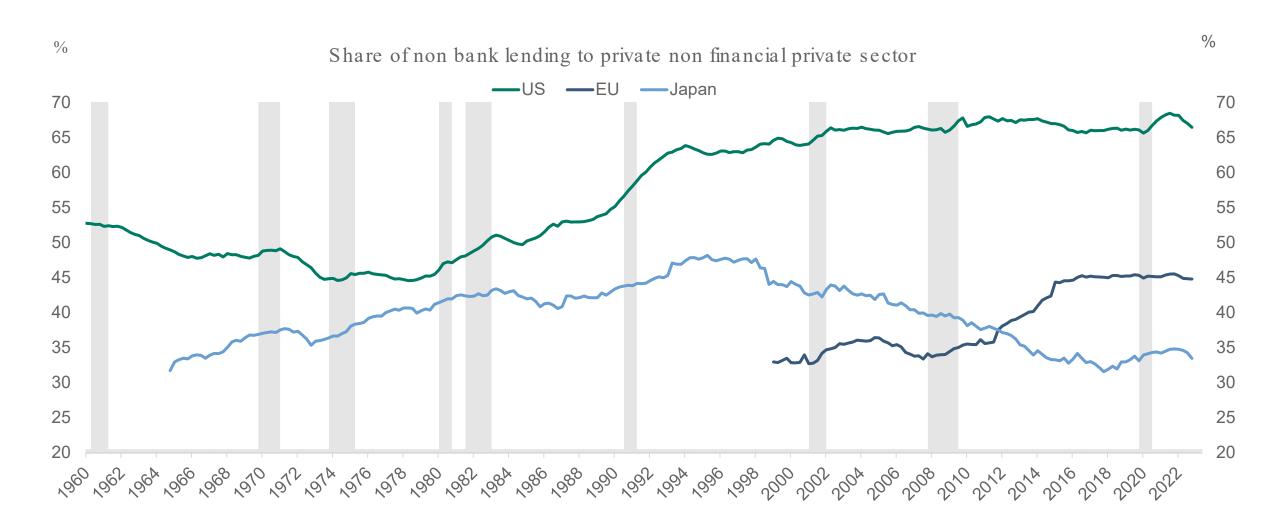


Source: Haver Analytics, Bloomberg, Apollo Chief Economist

The average efficiency ratio for community banks is around 63% compared with 52% for noncommunity banks.

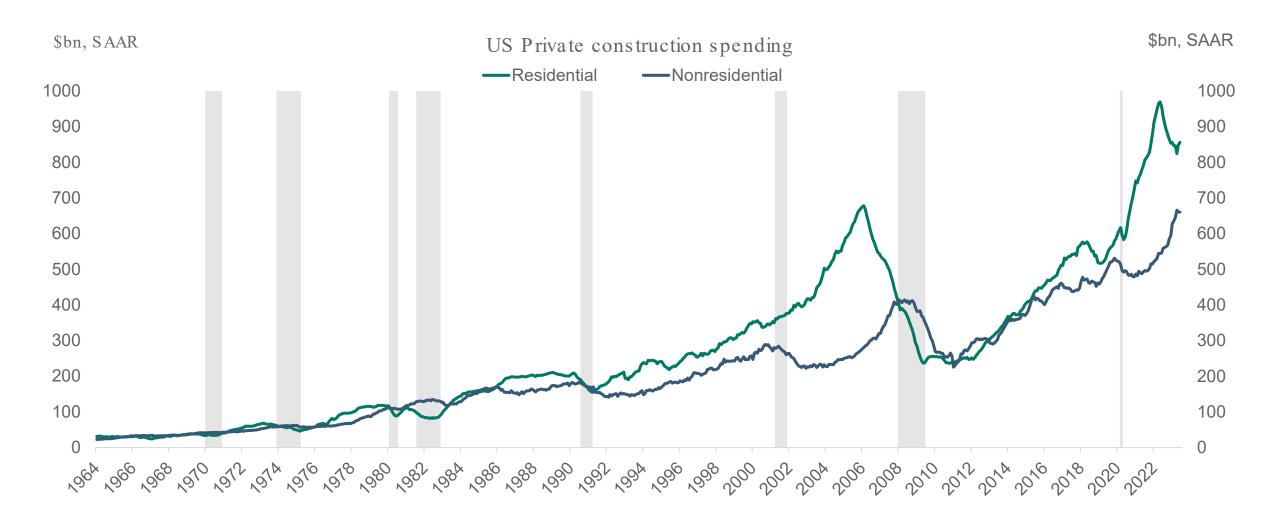


## Share of bank lending lower in the US

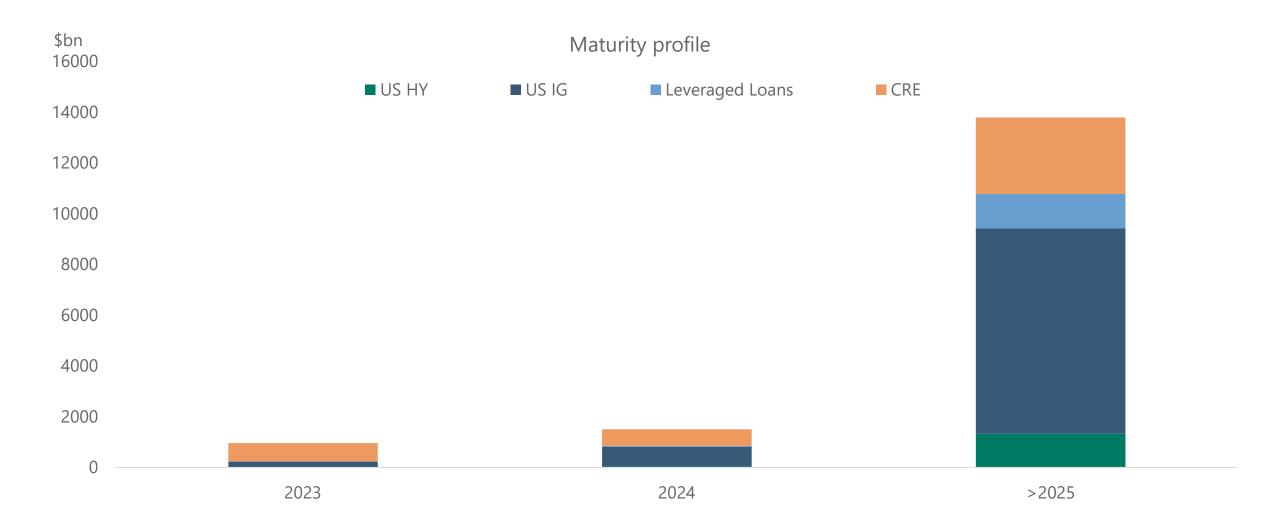


Source: BIS, Haver Analytics, Apollo Chief Economist. 119

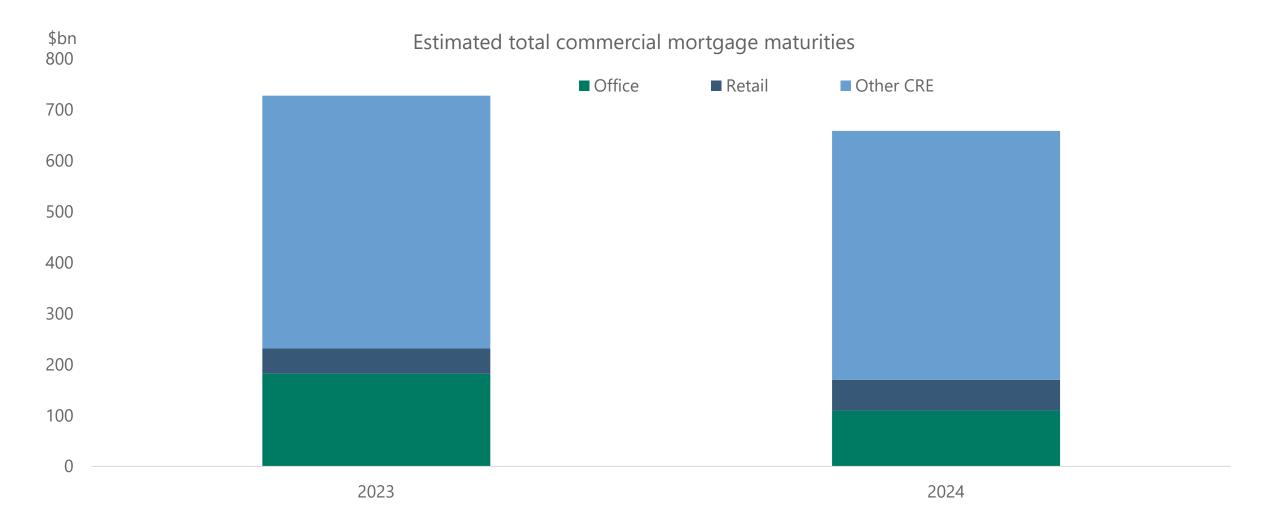
## Residential construction spending elevated



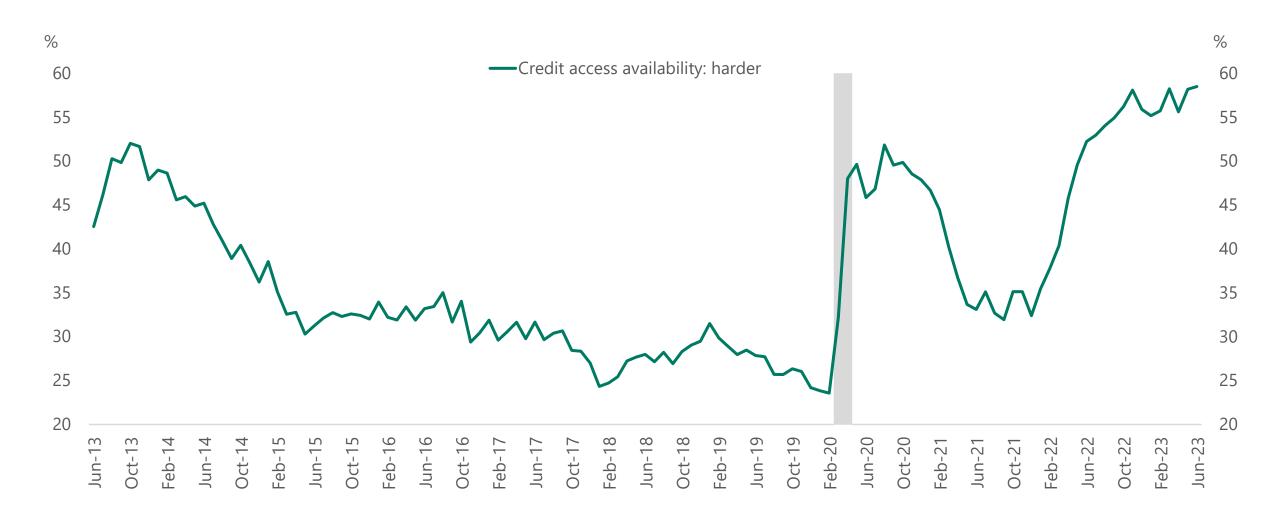
## Maturity profile for US fixed income



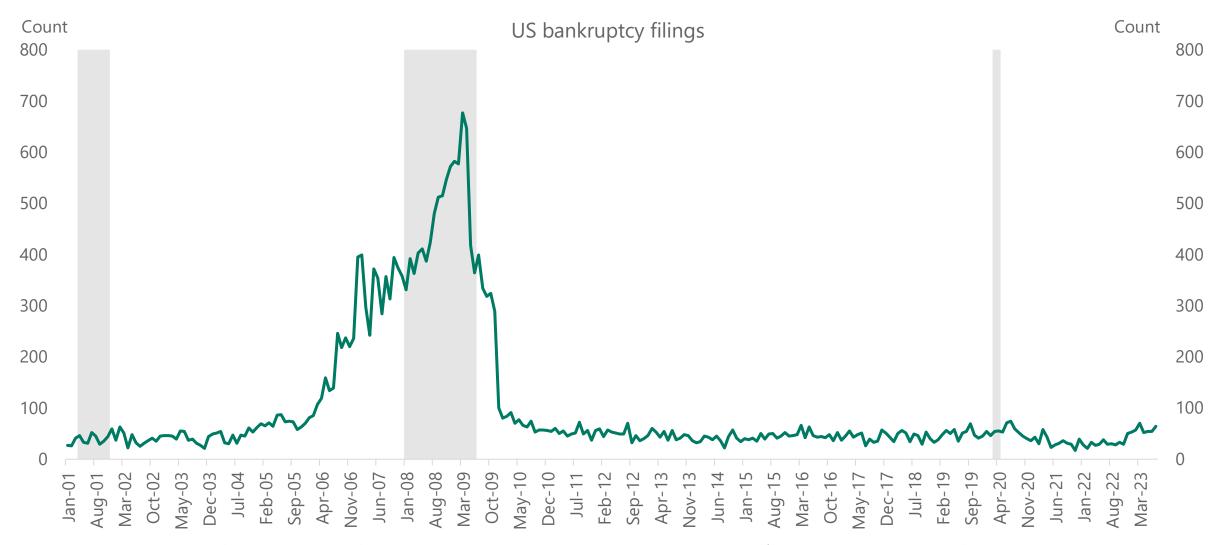
## CRE maturity profile



## The share of households reporting it is harder to obtain credit than one year ago

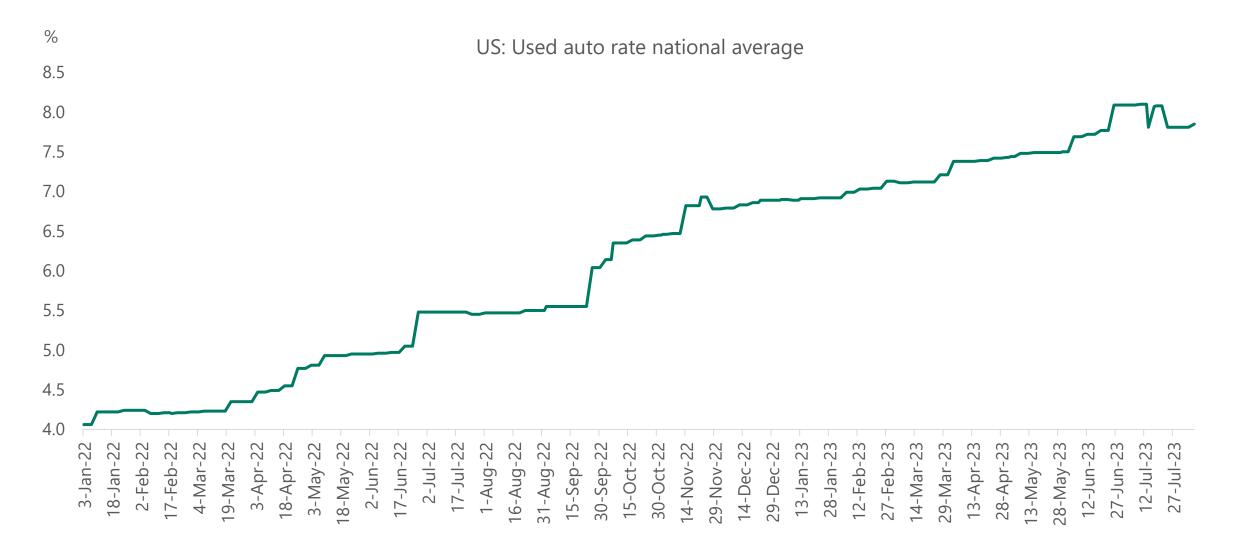


## Bankruptcy filings



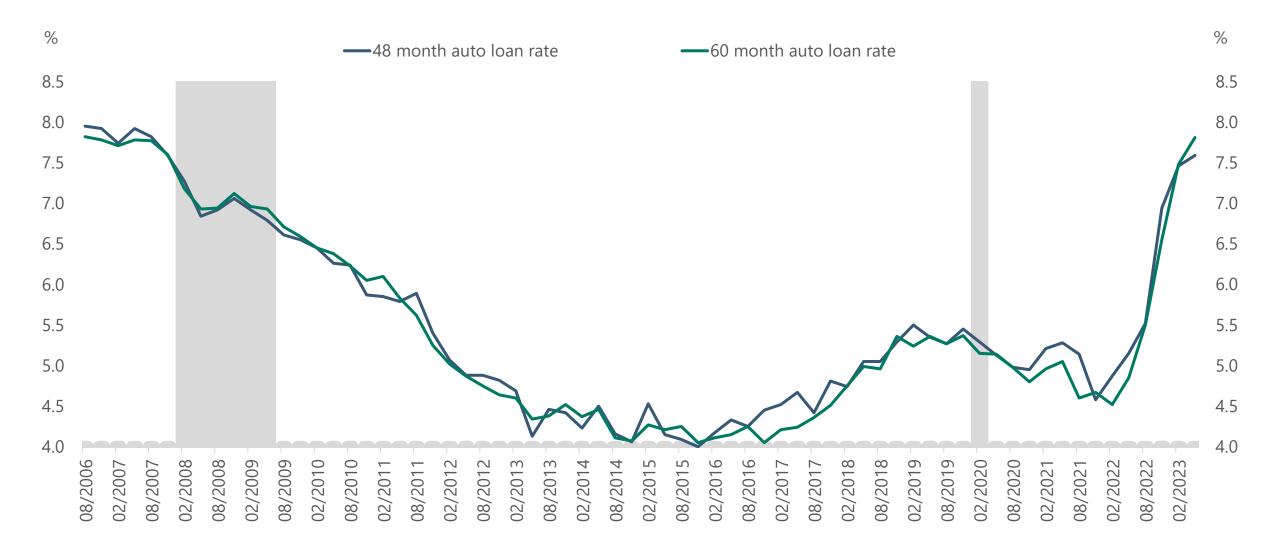
Source: S&P Capital IQ, Bloomberg, Apollo Chief Economist. Note: Bankruptcy figures include public companies or private companies with public debt with a minimum of \$2 million in assets or liabilities at the time of filing, in addition to private companies with at least \$10 million in assets or liabilities.

#### Interest rate on auto loans



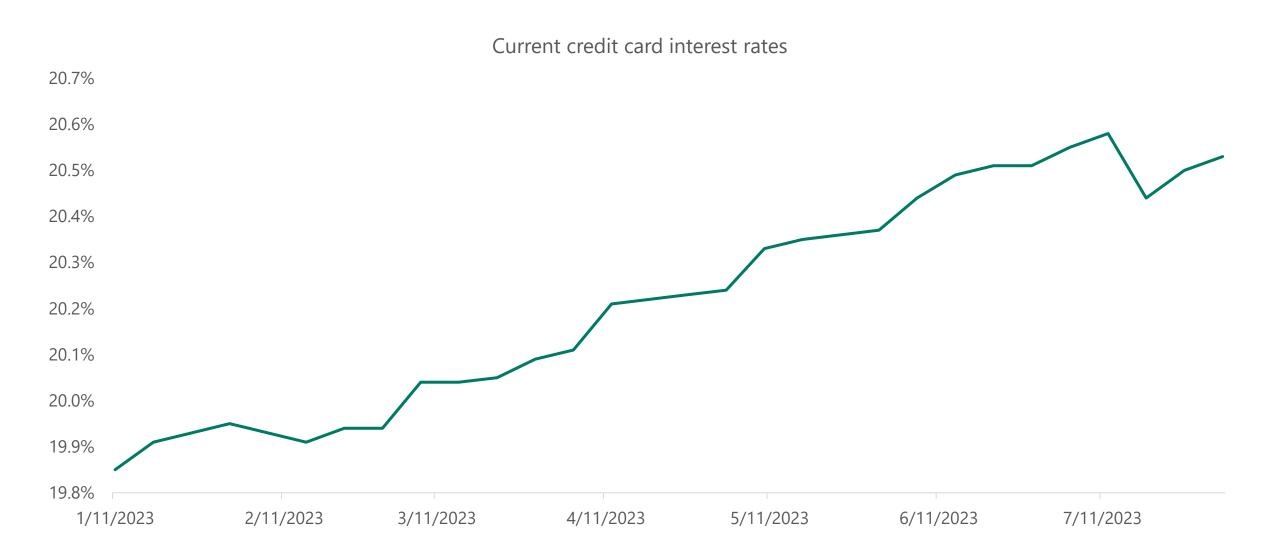
Source: Bankrate.com, Apollo Chief Economist

## Commercial Bank auto loan rates highest since 2008



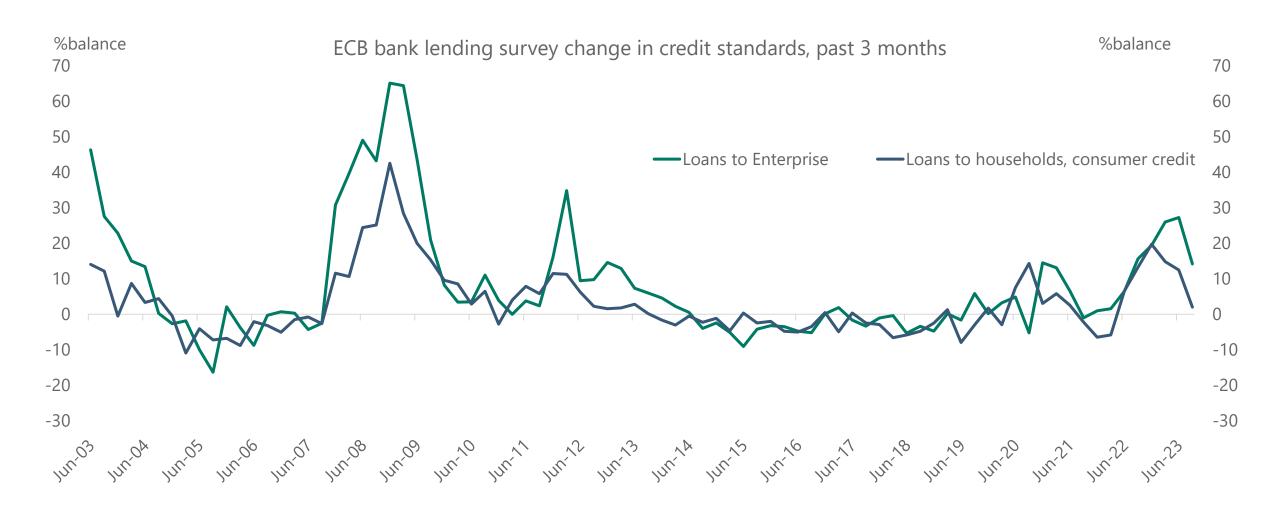
Source: FRB, Bloomberg, Apollo Chief Economist

## Interest rate on credit cards



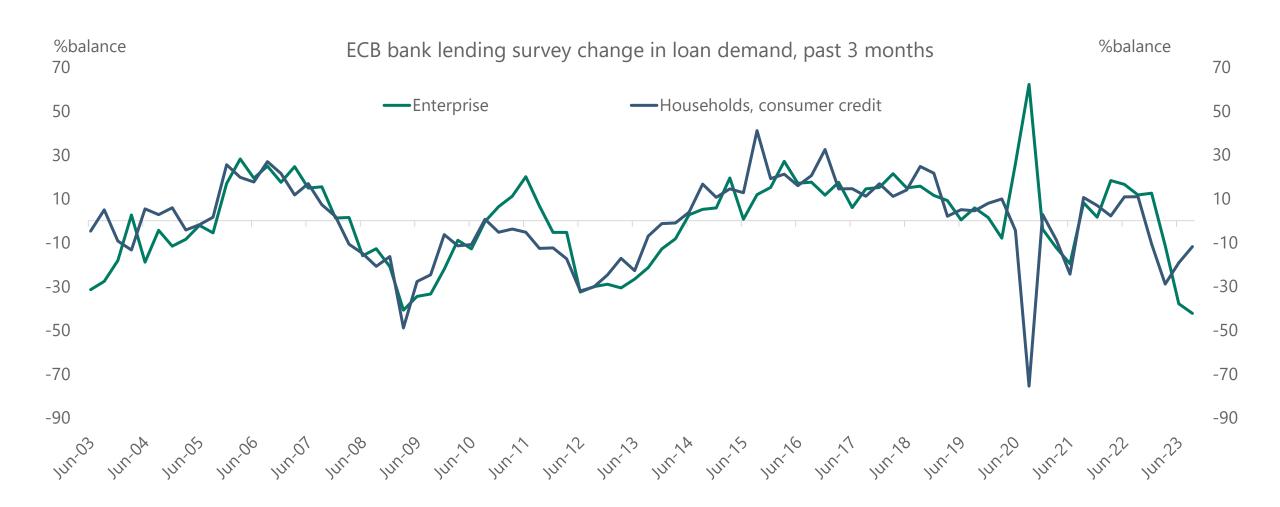
Source: Bankrate.com, Apollo Chief Economist

#### Euro Area credit conditions



Source: ECB Bank Lending Survey, Bloomberg, Apollo Chief Economist

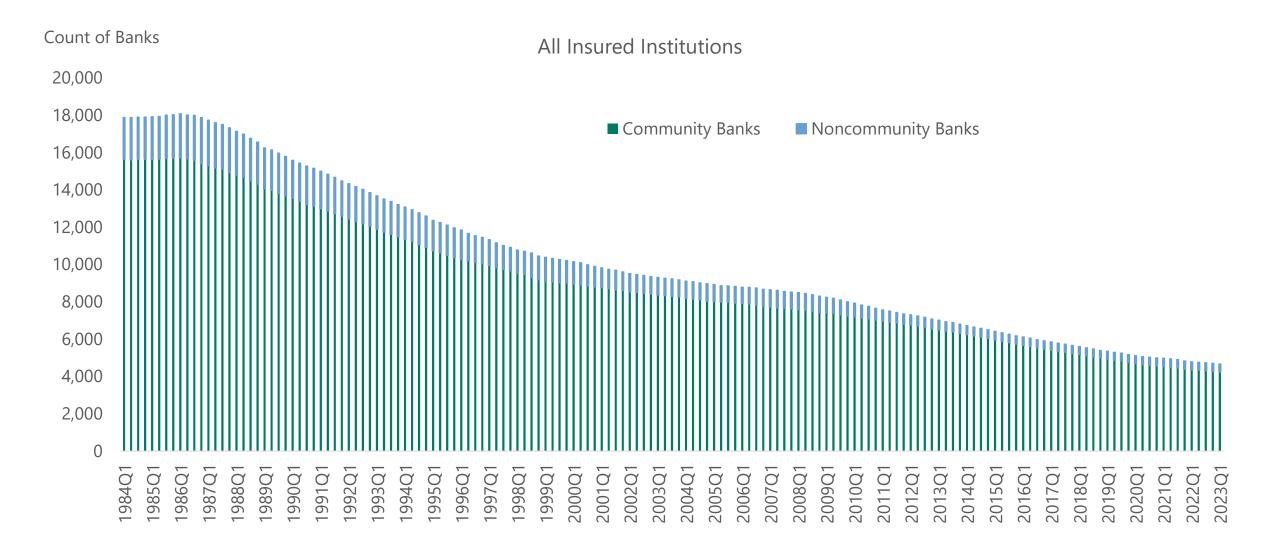
## Euro Area loan demand falling



Source: ECB Bank Lending Survey, Bloomberg, Apollo Chief Economist

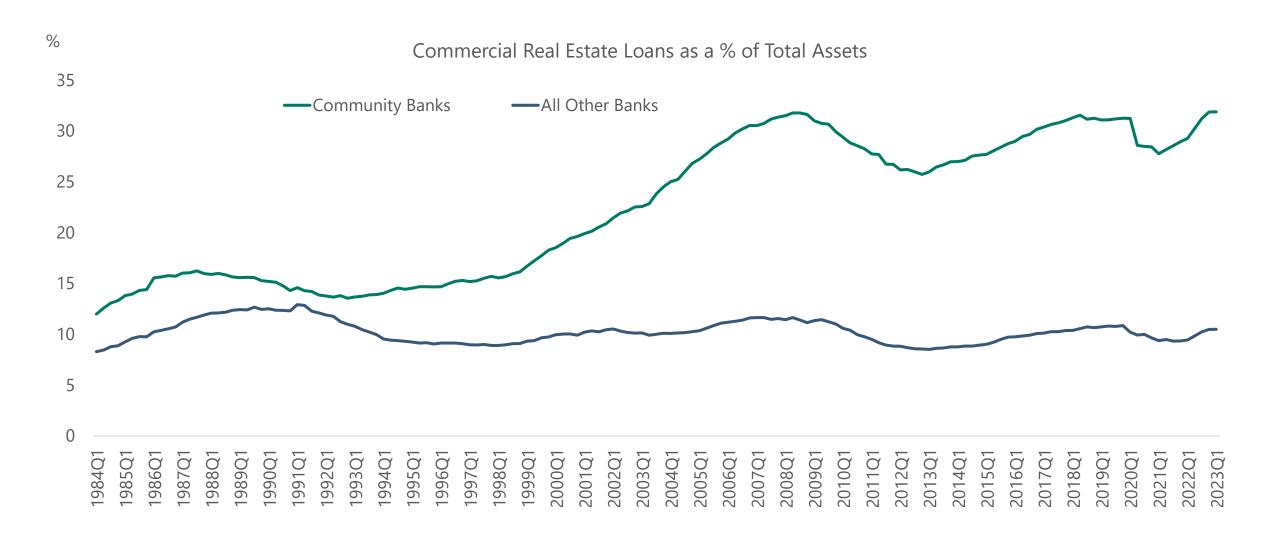
# Community banks

## 90% of all banks in the US are community banks



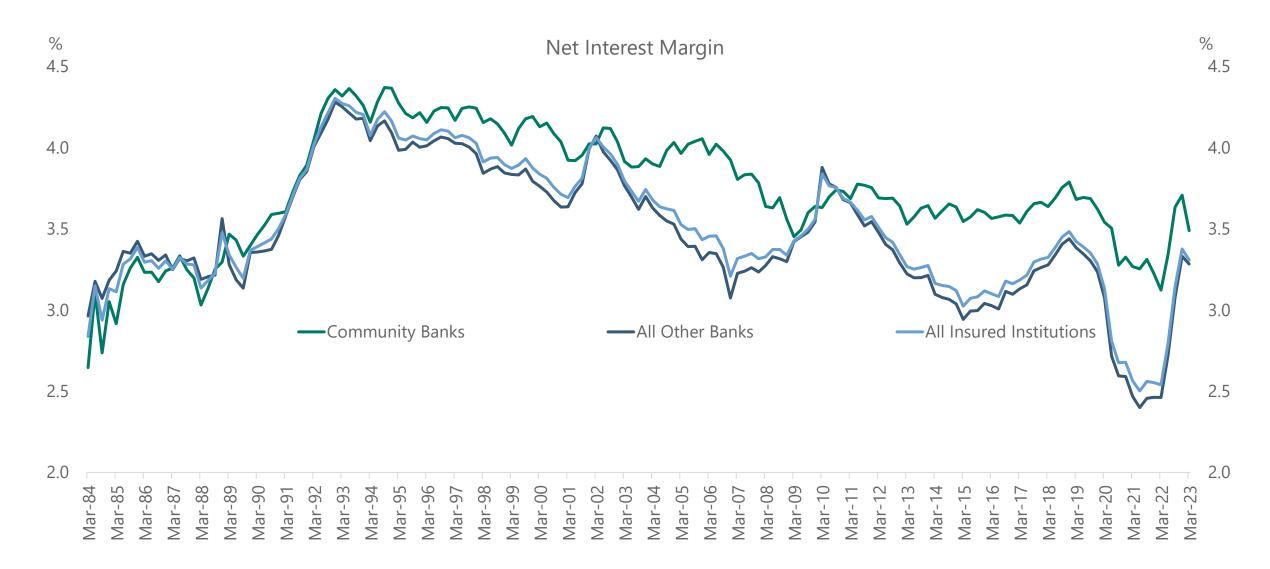
Source: FDIC, Apollo Chief Economist.

## CRE loans make up a significant share of community banks' assets



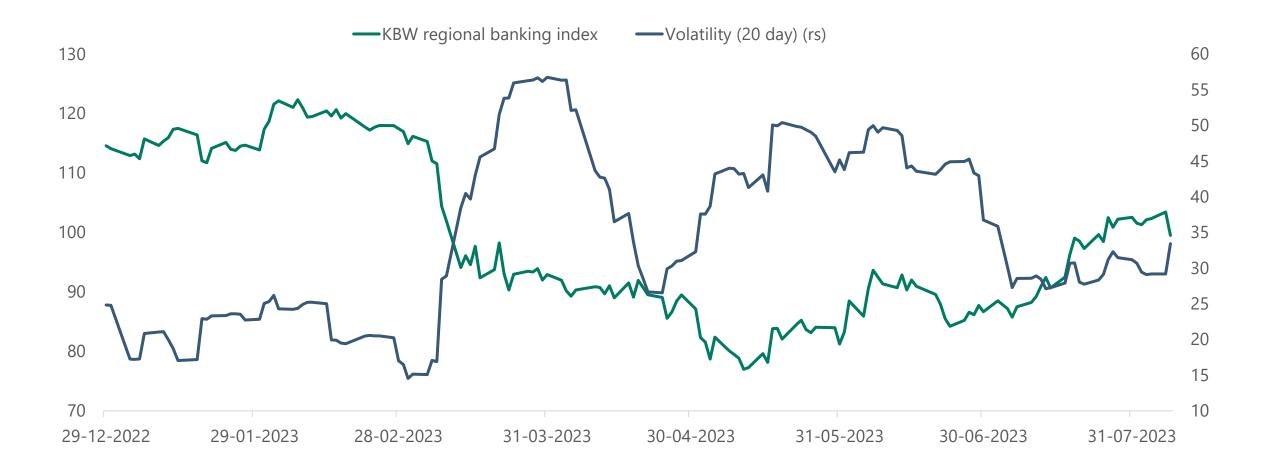
Source: FDIC, Apollo Chief Economist.

## Net interest margin higher for community banks



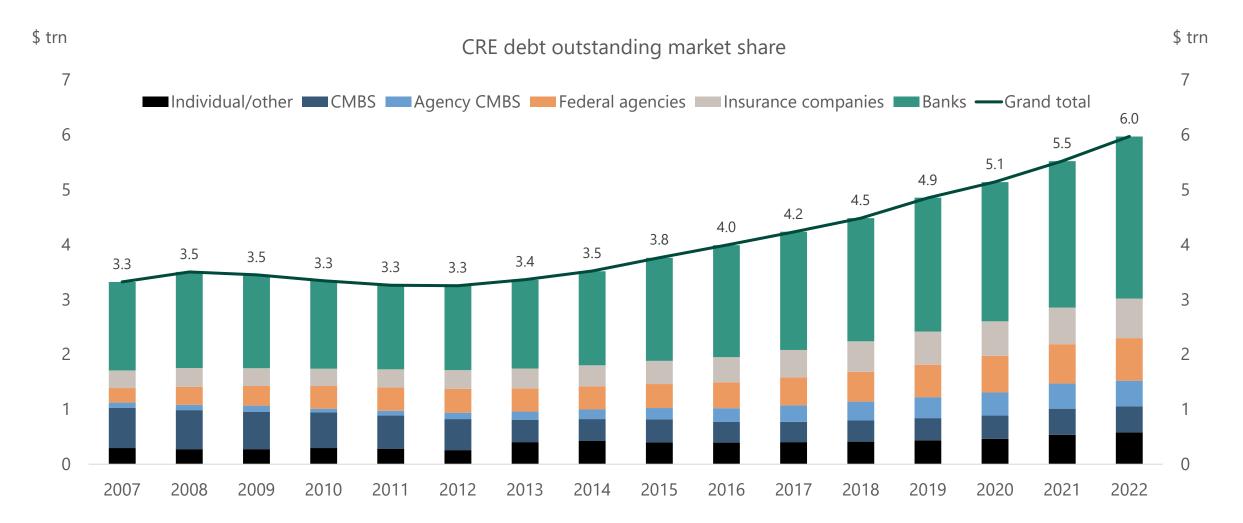
Source: FDIC, Apollo Chief Economist.

## Regional Bank volatility declined

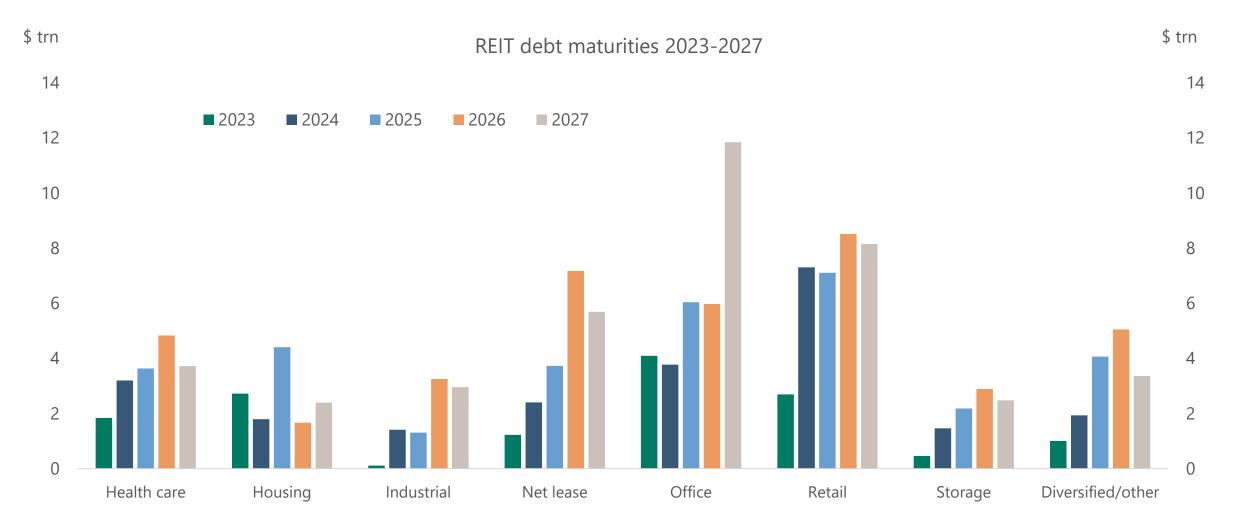


Source: Bloomberg, Apollo Chief Economist.

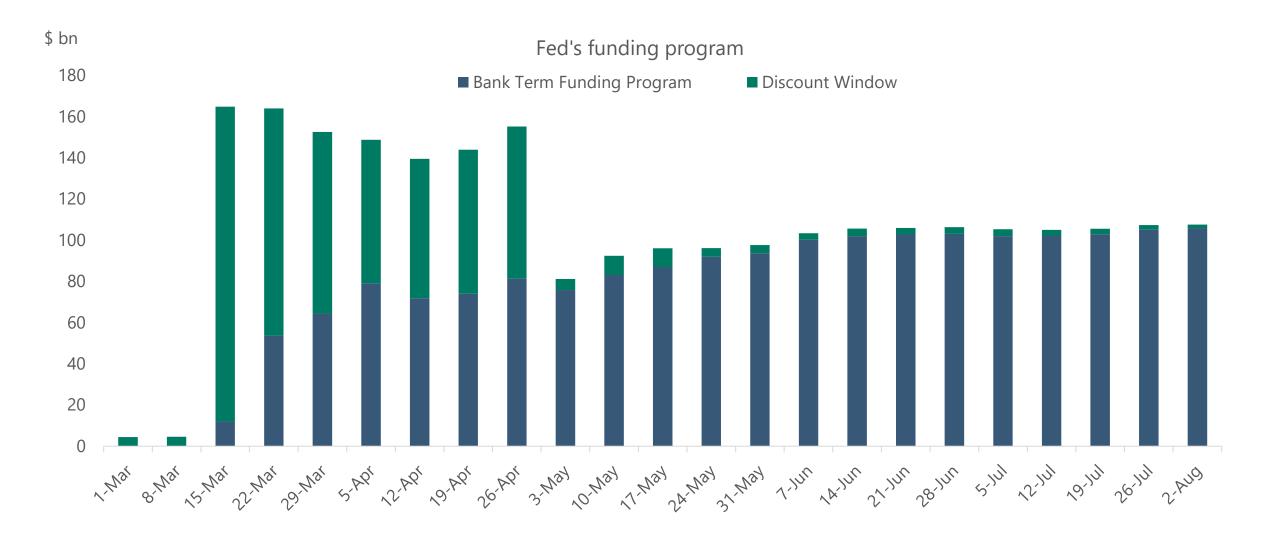
## US banks account for the bulk of CRE lending



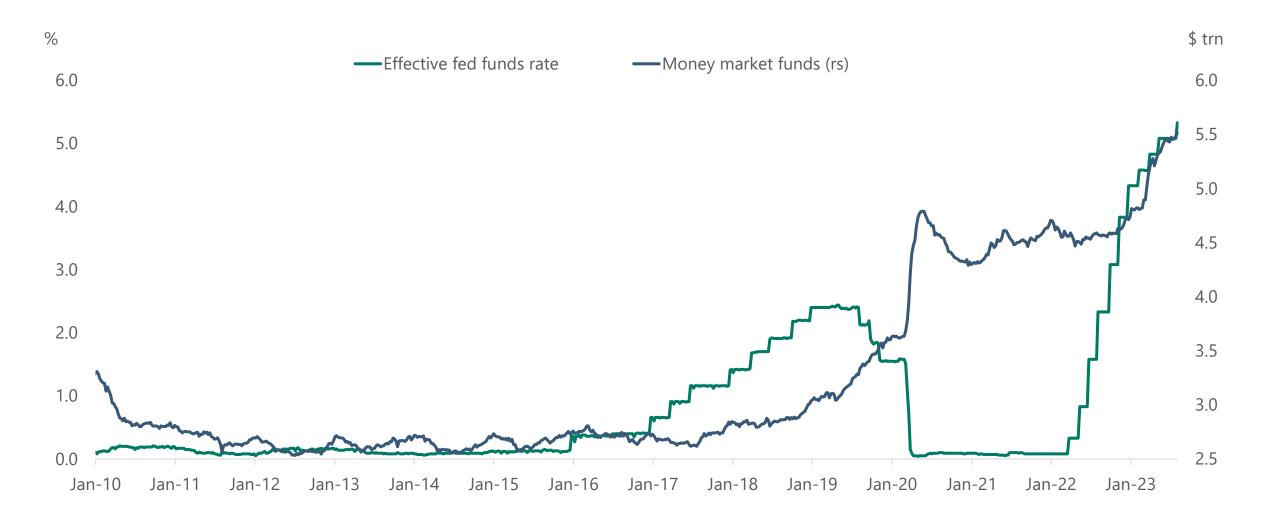
## U.S. REITs hold approximately \$14 billion of debt maturing this year



## Increased borrowing through the Bank Term Funding Program

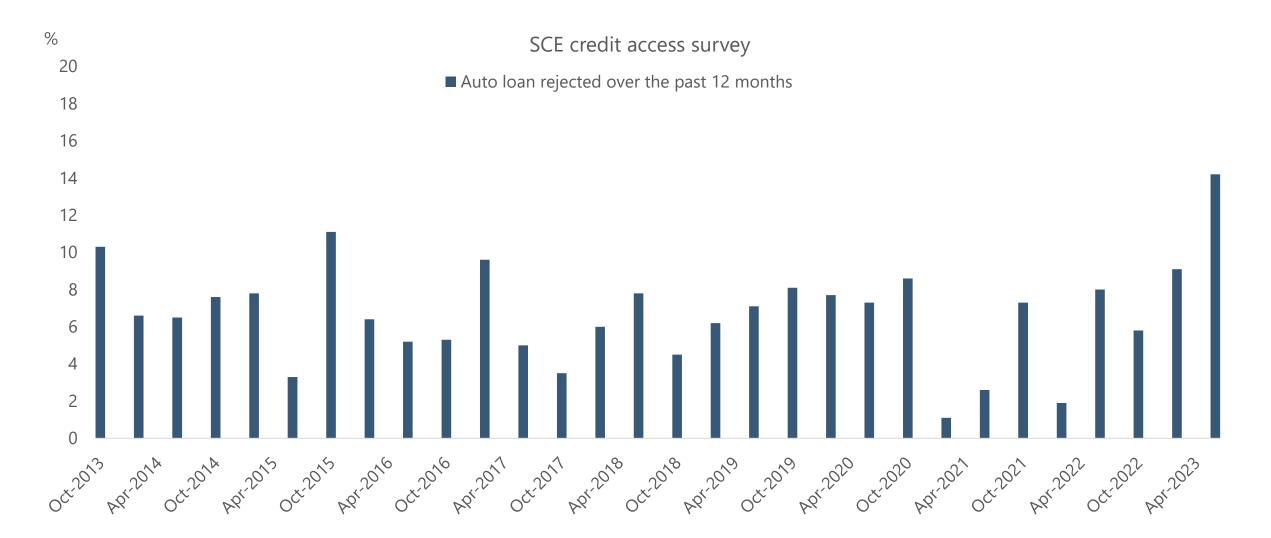


## Money market funds during the current tightening cycle



Source: FRB, ICI, Bloomberg, Apollo Chief Economist.

## Auto loan rejection rate over the past 12 months



Source: FRBNY, Haver Analytics, Apollo Chief Economist 139



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Torsten Slok joined Apollo in August 2020 as Chief Economist and he leads Apollo's macroeconomic and market analysis across the platform.

Prior to joining, Mr. Slok worked for 15 years as Chief Economist on the sell-side where his team was top ranked in the annual Institutional Investor survey for a decade. Mr. Slok has also worked at the IMF in Washington, DC and at the OECD in Paris.

Mr. Slok has a Ph.D in Economics and studied at the University of Copenhagen and Princeton University.