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# Outlook for the US consumer

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**Apollo Global Management** 

February 2023

Unless otherwise noted, information as of February 2023

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## Key conclusions

Consumer spending growth remains solid, driven by:

- 1) The virus subsiding and more people going to restaurants, flying on airplanes, and staying at hotels
- 2) Robust wage growth
- 3) Robust employment growth
- 4) High levels of excess savings and elevated levels of wealth, driven by high home prices and high stock prices

Risks to the outlook for the consumer are higher interest rates, a rise in unemployment, and high inflation making many purchases such as cars, gas, and homes too expensive.

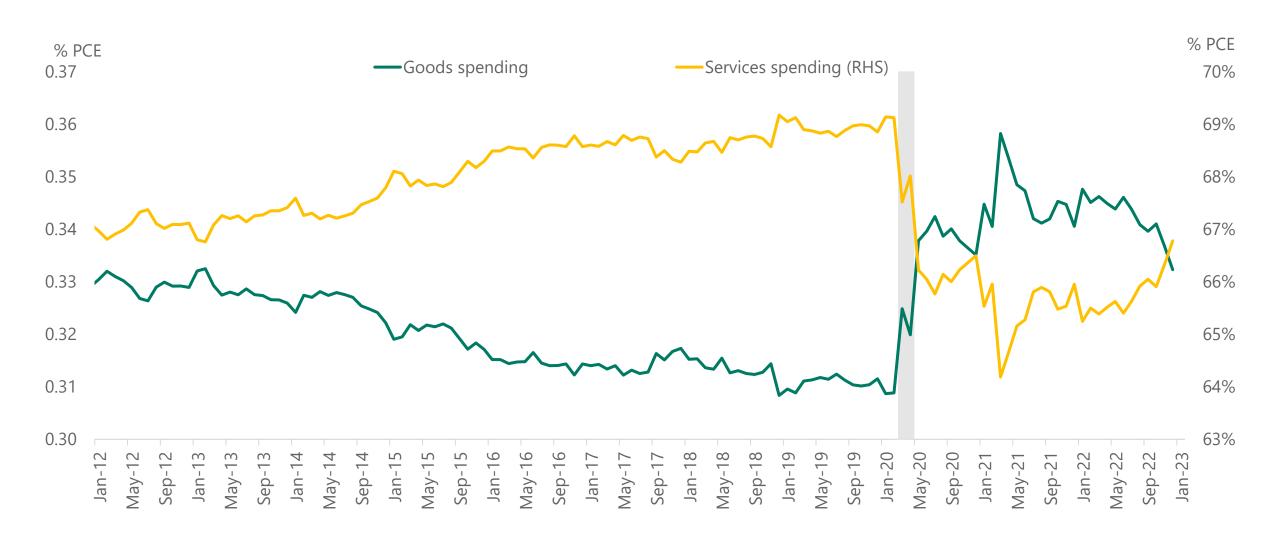
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- Overview
- Leading indictors of consumer spending
- Health of the household sector balance sheet
- Outlook for spending on housing
- Outlook for spending on cars
- Outlook for spending on restaurants
- Outlook for spending on travel
- Outlook for spending on other consumer goods
- Conclusions

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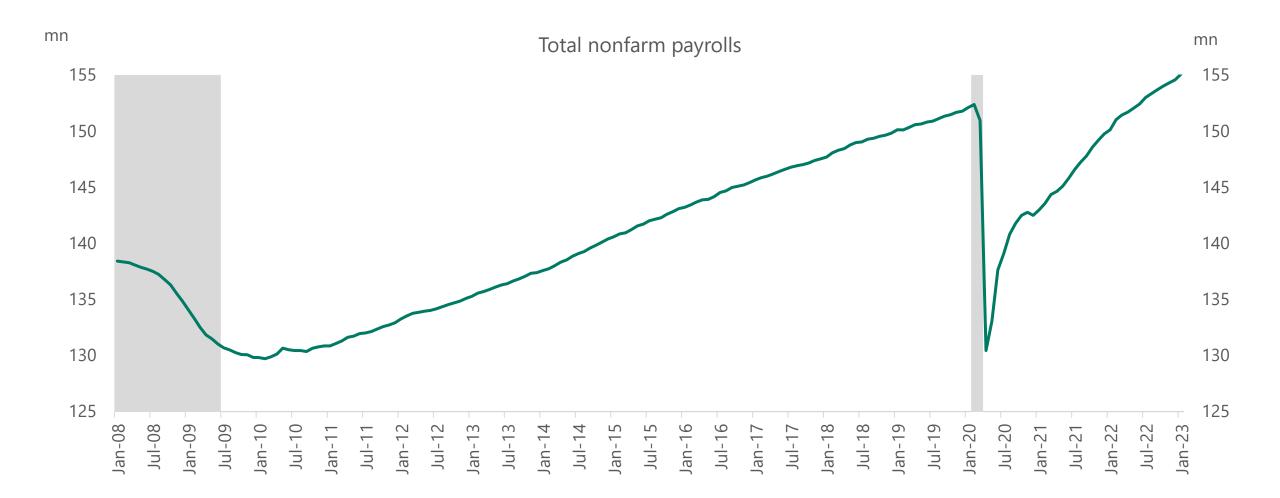
Overview

## Shift from goods to services in US consumer spending

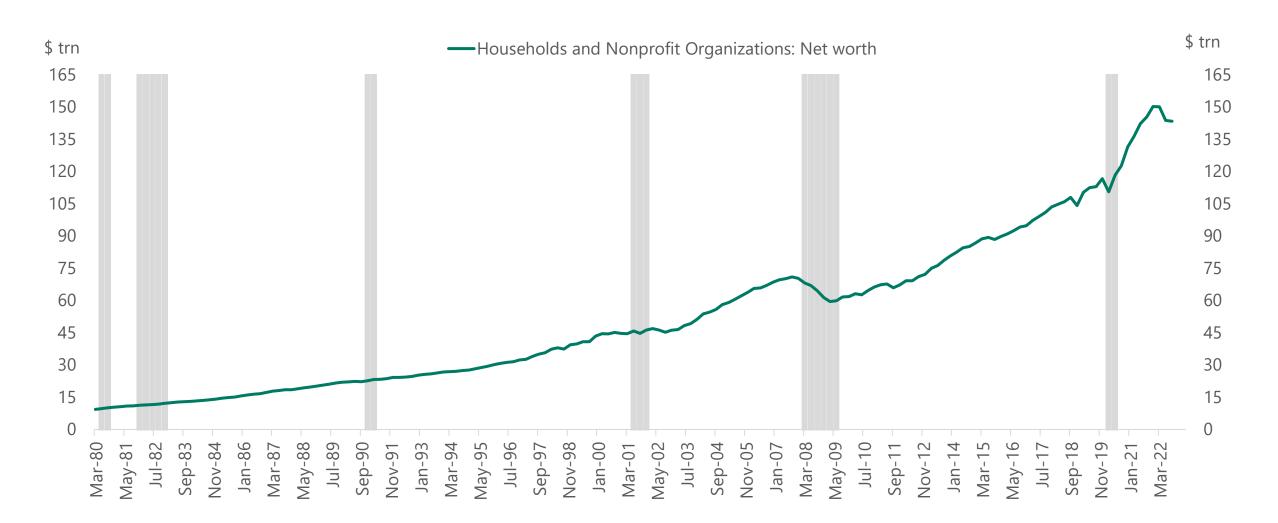


Source: BEA, Haver Analytics, Apollo Chief Economist

## Total employment is now 2.6mn jobs above February 2020 levels



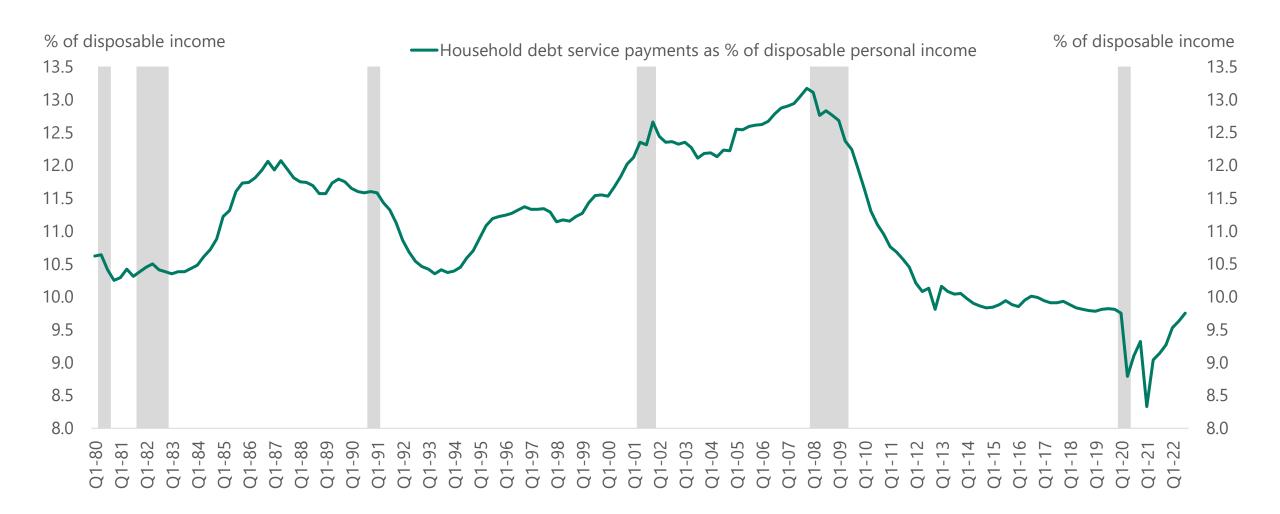
## Net worth of the US household sector near record highs



Source: FRB, Haver, Apollo Chief Economist

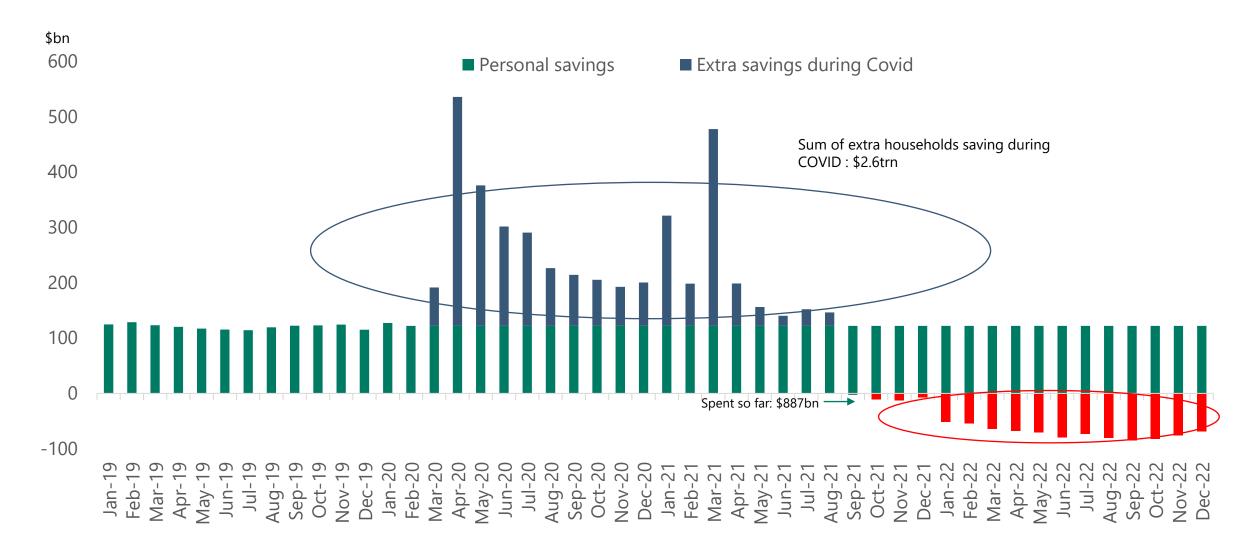
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## Household debt service payments as a share of income is rising



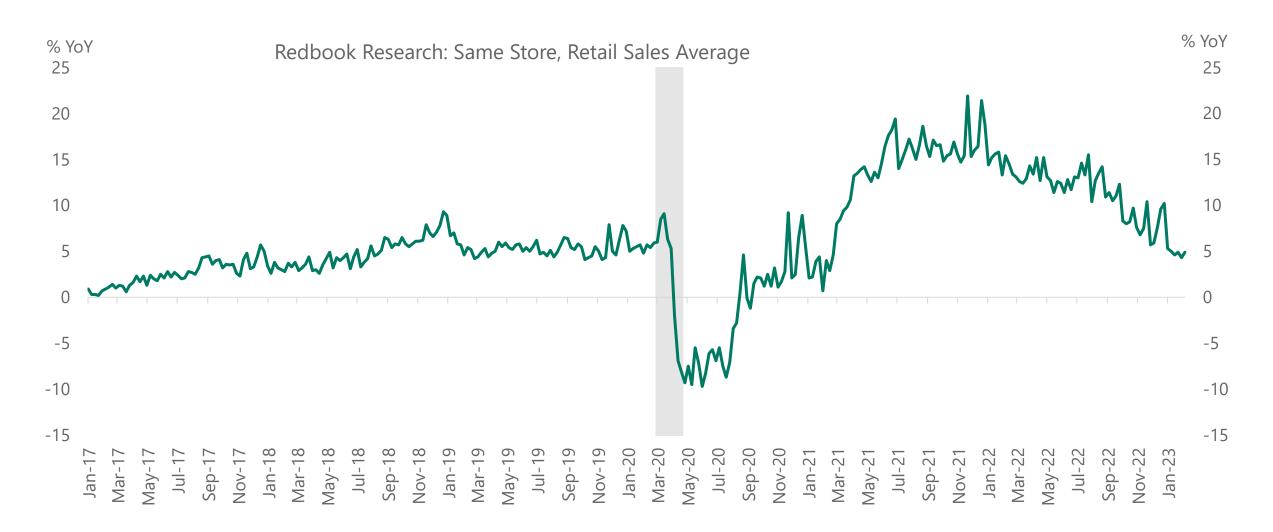
Source: FRB, Haver, Apollo Chief Economist

## Households are running down their savings, but still about \$1.7trn left



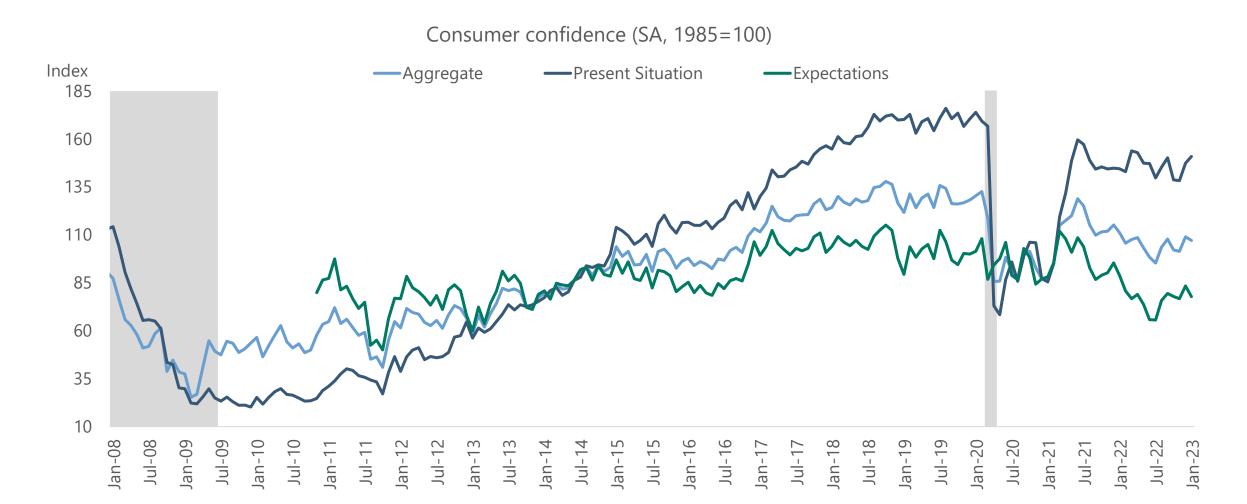
Note: Bloomberg, Apollo Chief Economist

## Same-store retail sales slowing down gradually



Source: Redbook, Haver Analytics, Apollo Chief Economist

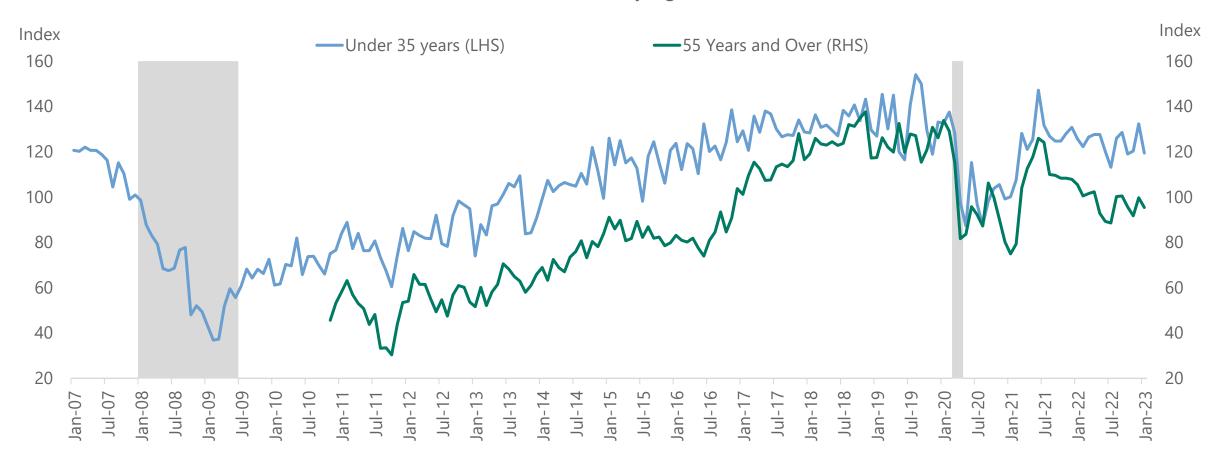
## Consumer confidence still solid



Source: Conference Board, Haver Analytics, Apollo Chief Economist

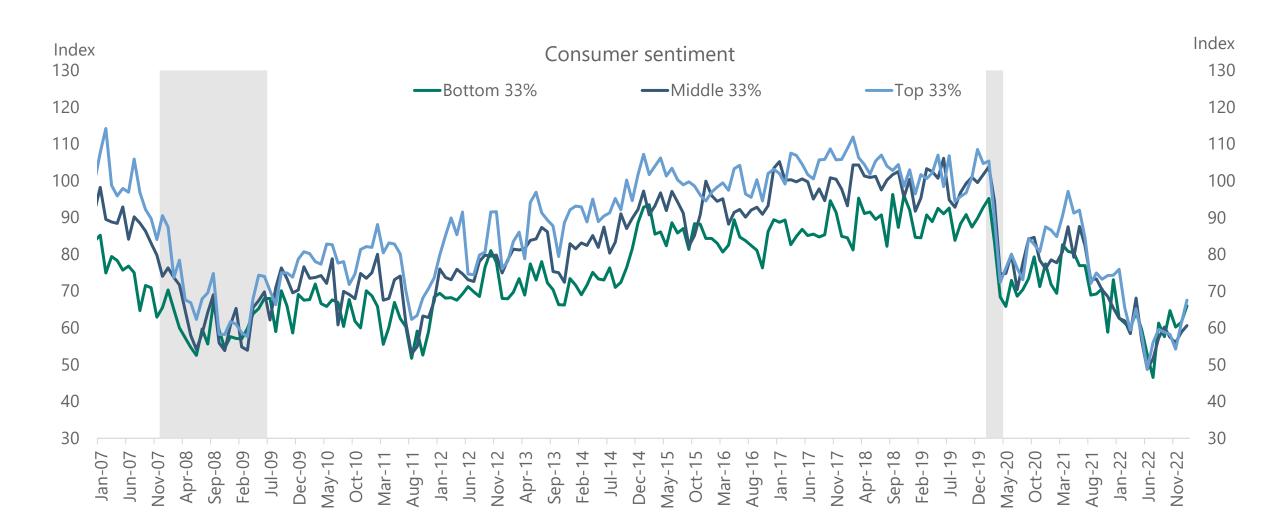
## Consumer confidence across generations

#### Consumer confidence by Age (SA, Index)

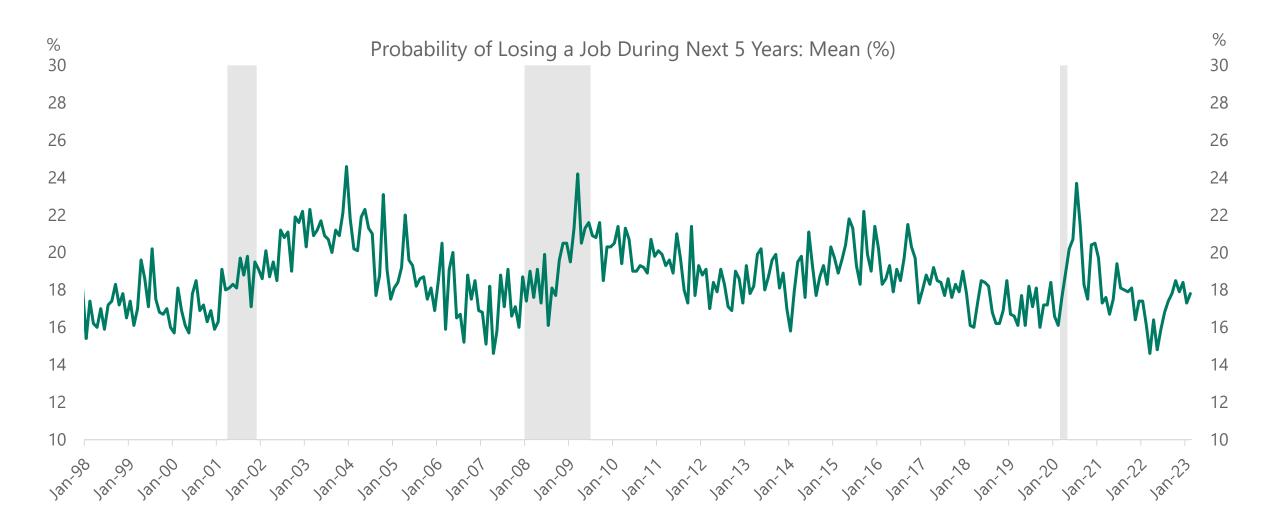


Source: Conference Board, Haver Analytics, Apollo Chief Economist

## Consumer sentiment rebounding across the income distribution



## Households less worried about losing their jobs



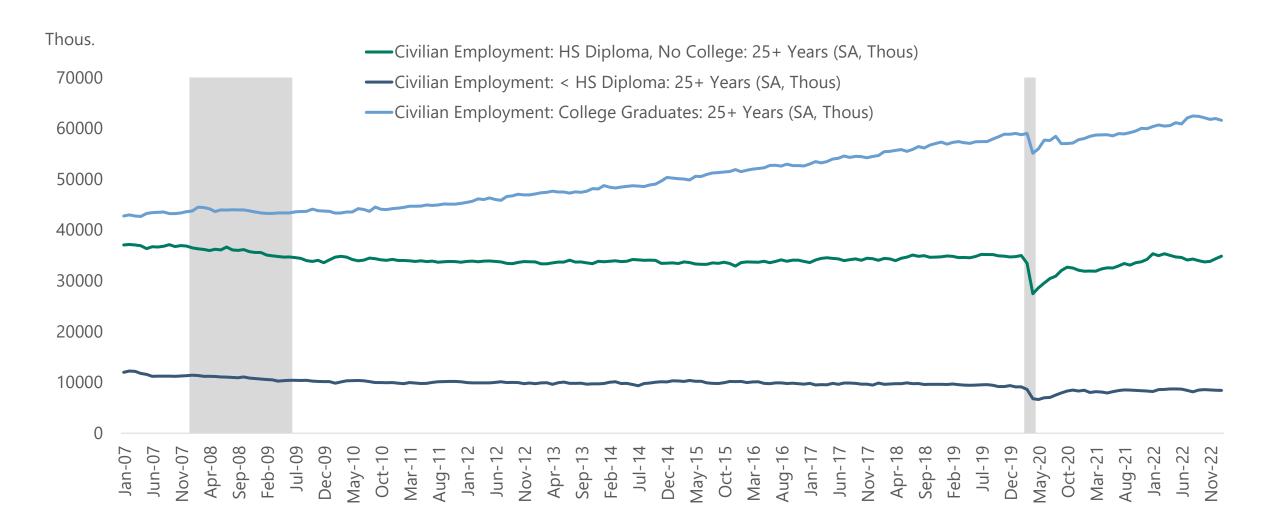
## Wage inflation has peaked and is slowing



## Wage growth peaking across all income quartiles

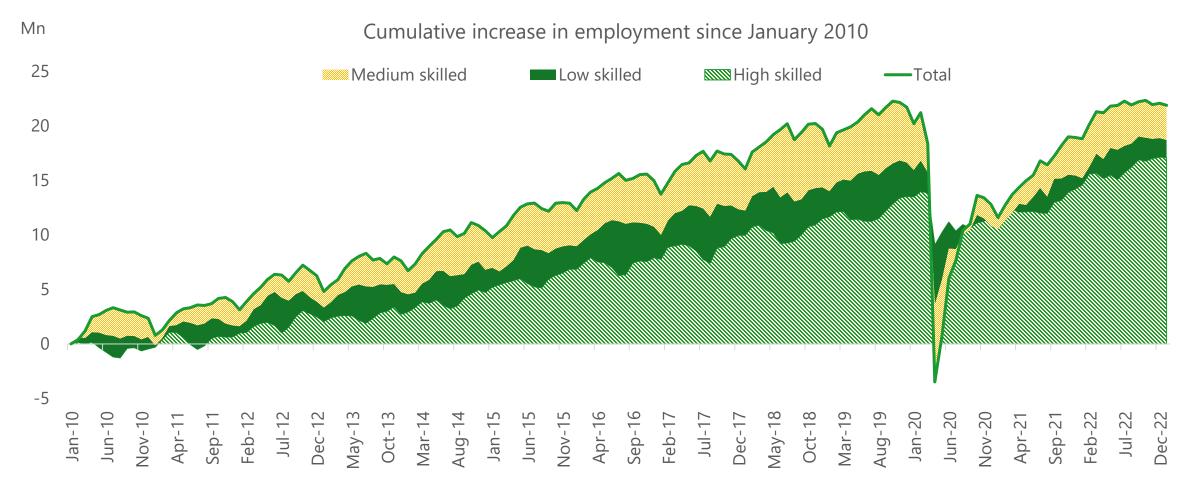


### Employment for workers, by education



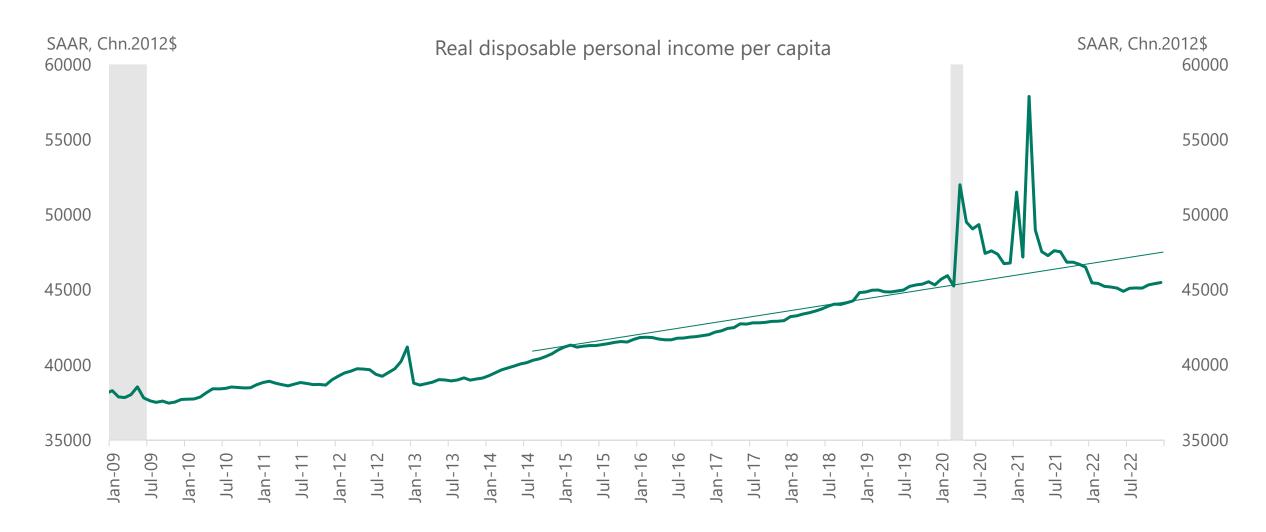
Source: BLS, Haver, Apollo Chief Economist

## The composition of employment by skill is back at pre-pandemic levels



Source: BLS, Haver, Apollo Chief Economist

## Real income per capita is below the pre-pandemic trend

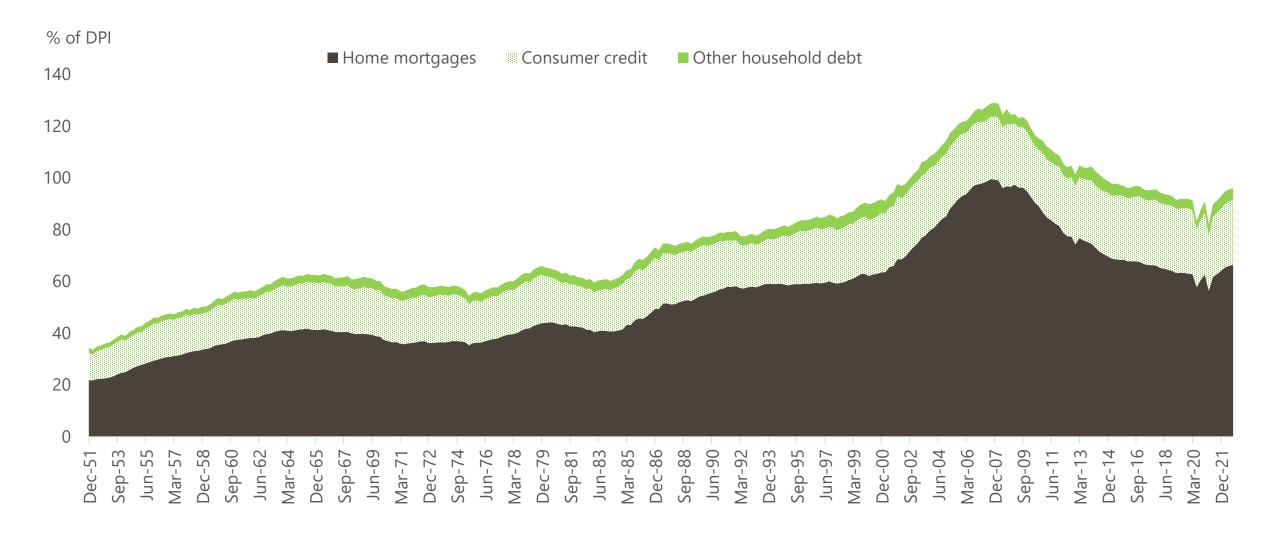


Source: BEA, Haver Analytics, Apollo Chief Economist

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Health of the household sector balance sheet

## Household sector leverage still significantly below 2007 levels



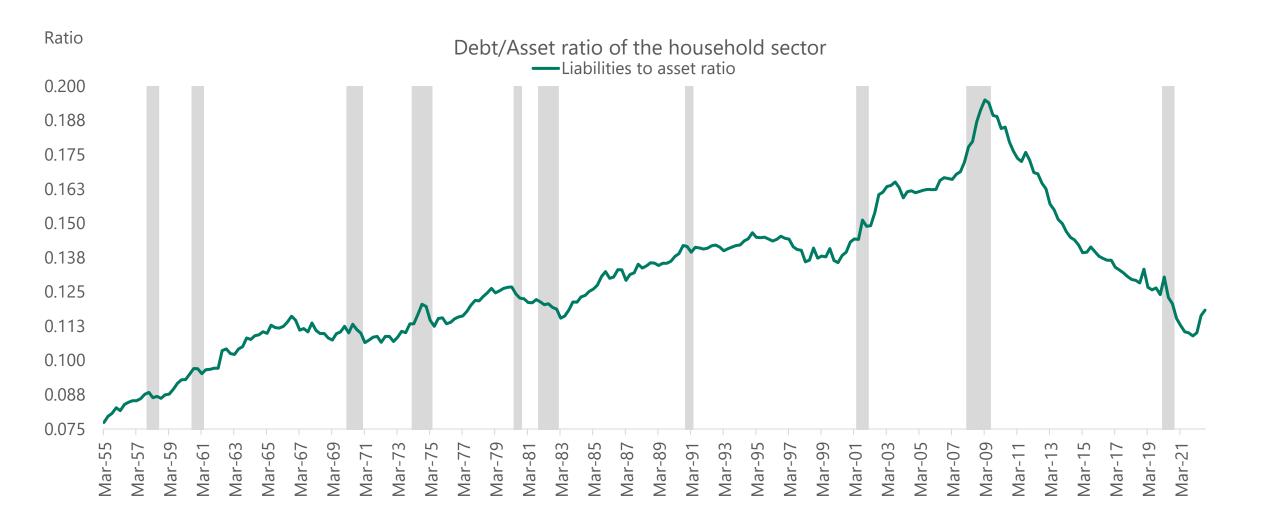
Source: FRB, Haver, Apollo Chief Economist

# Subprime credit quality starting to deteriorate

Auto Loans					Credit Cards				
	+60 day delinquency rate				+90 day delinquency rate				
	Dec. 2022	Nov. 2022	Dec. 2021	Dec. 2019		Dec. 2022	Nov. 2022	Dec. 2021	Dec. 2019
Super Prime	0.0%	0.0%	0.0%	0.0%	Super Prime	0.00%	0.00%	0.00%	0.00%
Prime plus	0.01%	0.01%	0.01%	0.01%	Prime plus	0.01%	0.01%	0.01%	0.01%
Prime	0.16%	0.12%	0.12%	0.16%	Prime	0.19%	0.19%	0.15%	0.21%
Near prime	0.55%	0.56%	0.47%	0.47%	Near prime	1.10%	1.10%	0.91%	1.25%
Subprime	12.2%	12.2%	11.08%	8.4%	Subprime	19.5%	19.3%	15.2%	20.2%
Total	1.99%	1.91%	1.60%	1.49%	Total	2.21%	2.12%	1.46%	2.19%

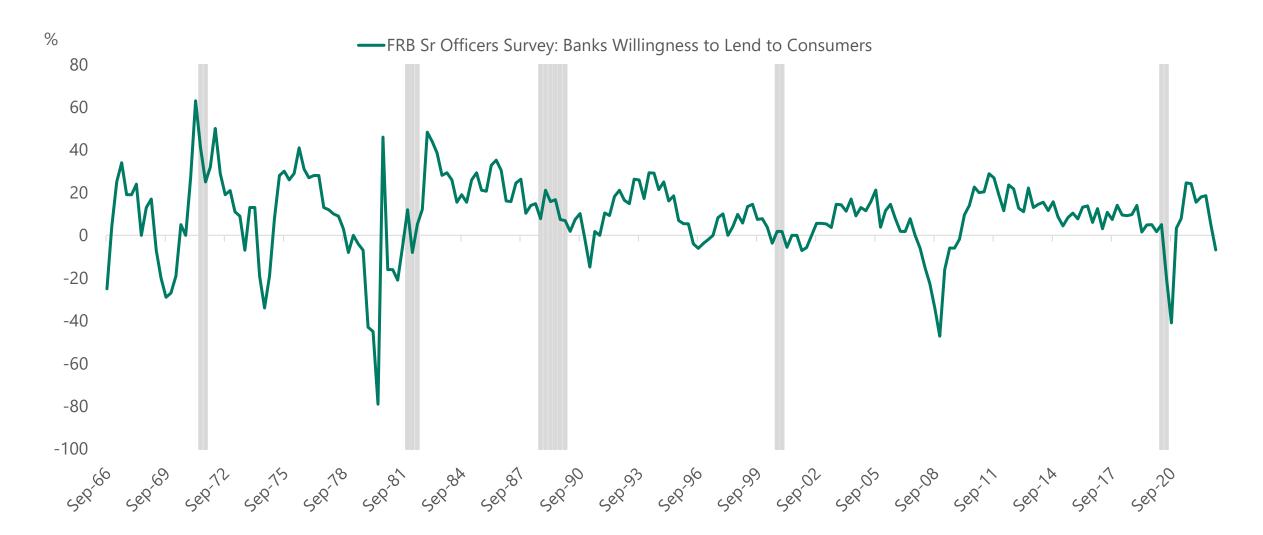
Mortgages										
Distribution of Delinquency										
	Dec. 2022	Nov. 2022	Dec. 2021	Dec. 2019						
Current	95.1%	95.3%	96.1%	93.3%						
30-59 DPD	2.7%	2.6%	2.1%	3.6%						
60-89 DPD	1.3%	1.3%	1.1%	1.9%						
90+	0.7%	0.7%	0.7%	1.0%						
Foreclosure	0.1%	0.1%	0.1%	0.2%						

## Household liabilities to assets trending upward



Source: FRB, Haver, Apollo Chief Economist

## Banks less willing to lend to consumers

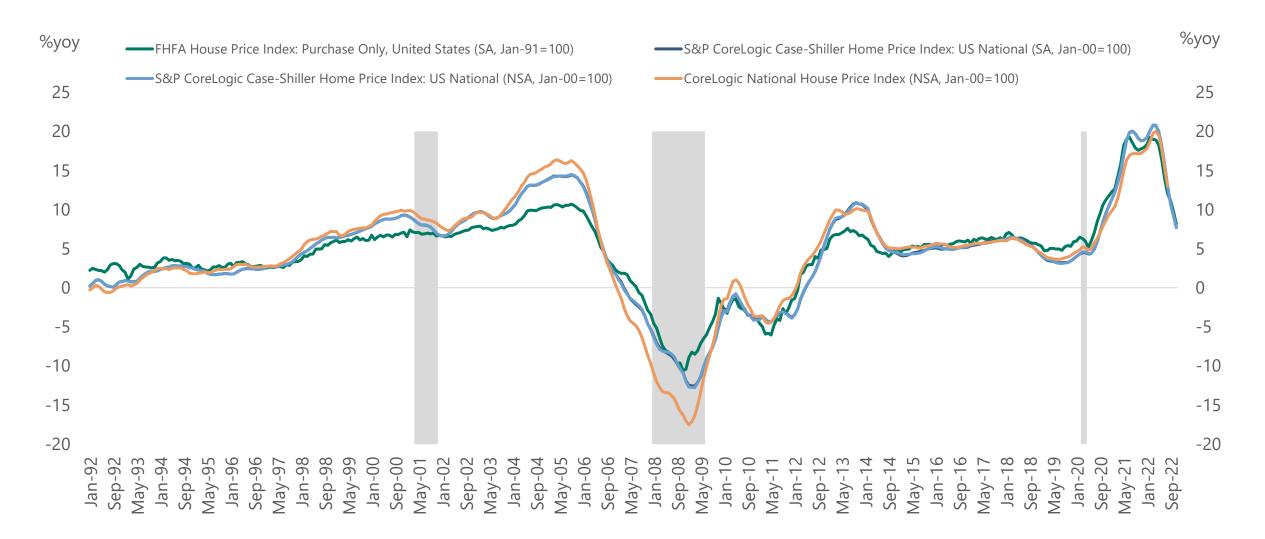


Source: FRB, Haver, Apollo Chief Economist

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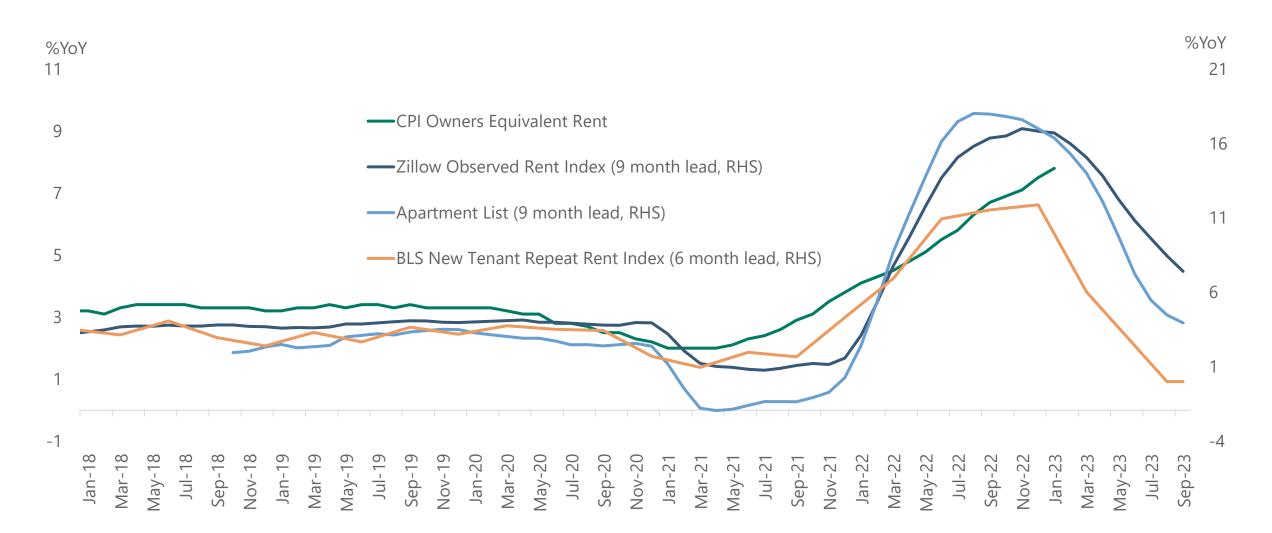
Outlook for spending on housing

## Home price inflation coming down



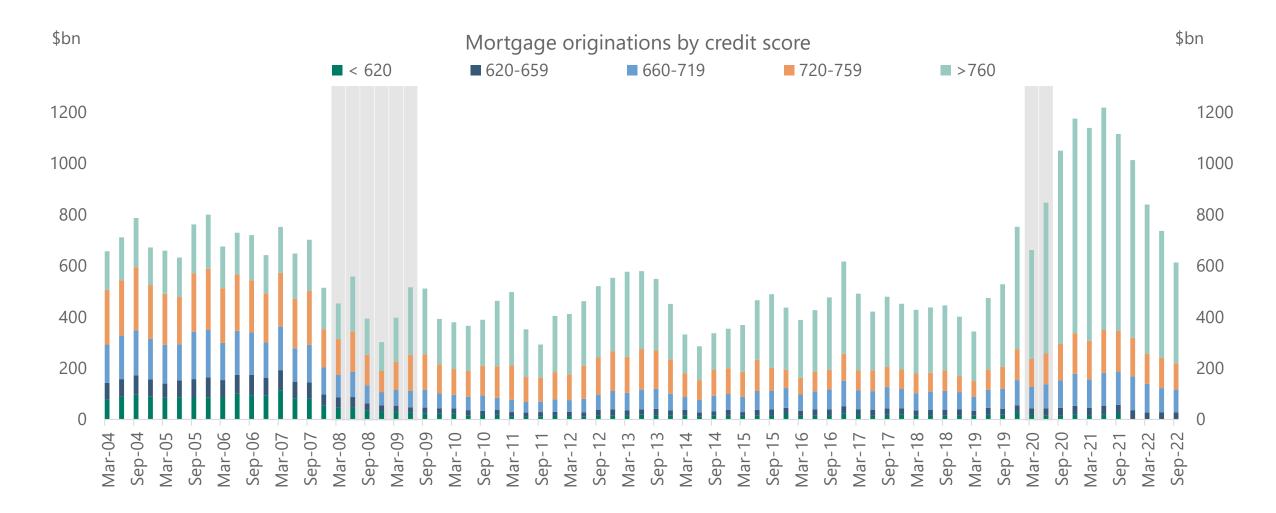
Source: Haver, Apollo Chief Economist

## Housing inflation likely to come down

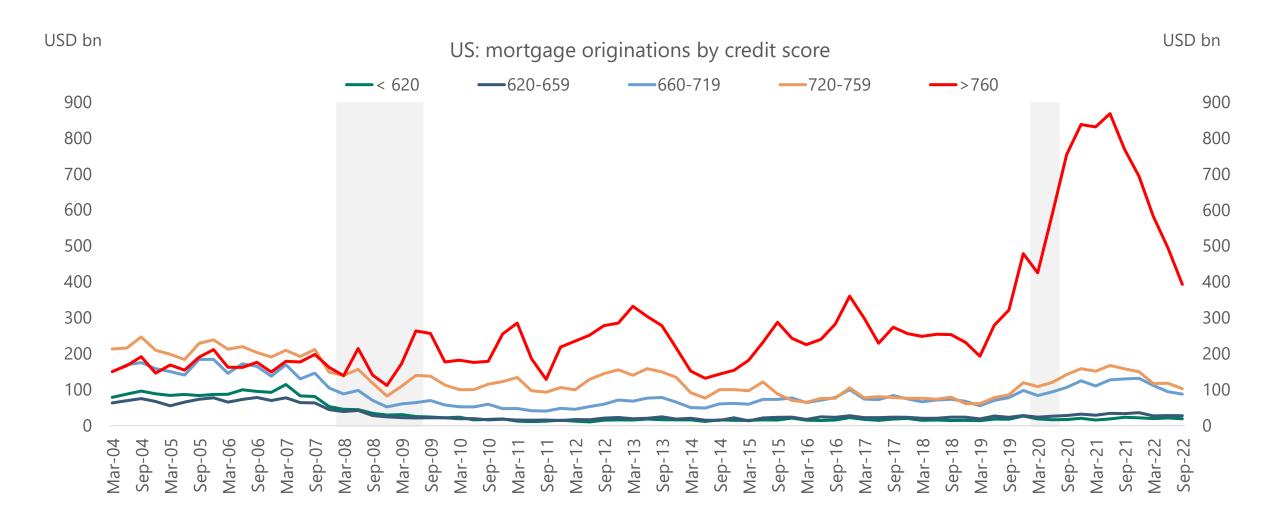


Source: Zillow, BLS, Haver Analytics, Apollo Chief Economist

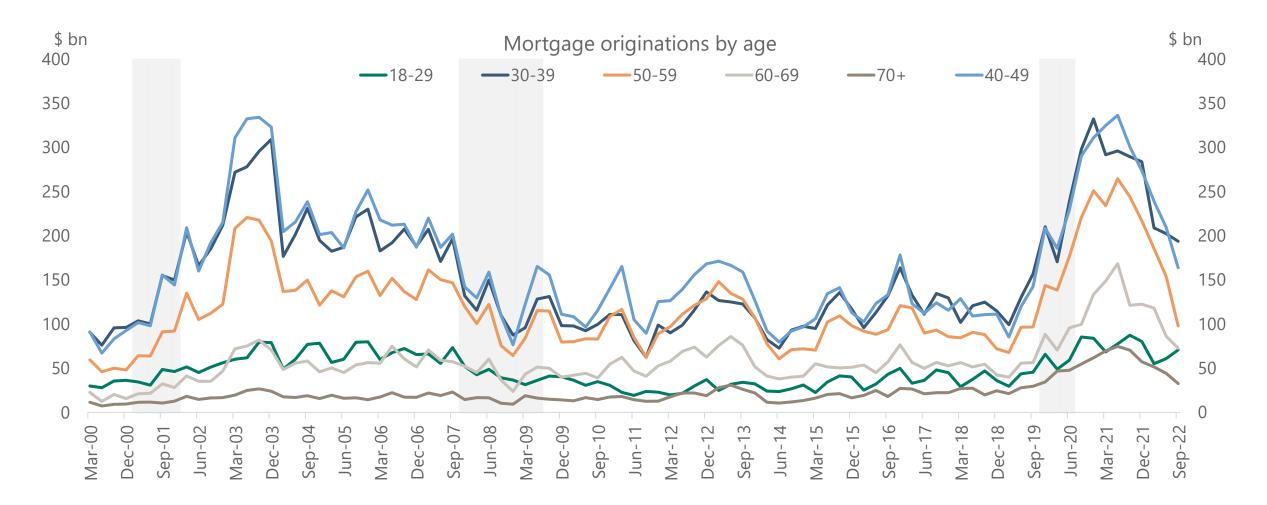
Purchase and refi activity during the pandemic driven by households with top credit scores



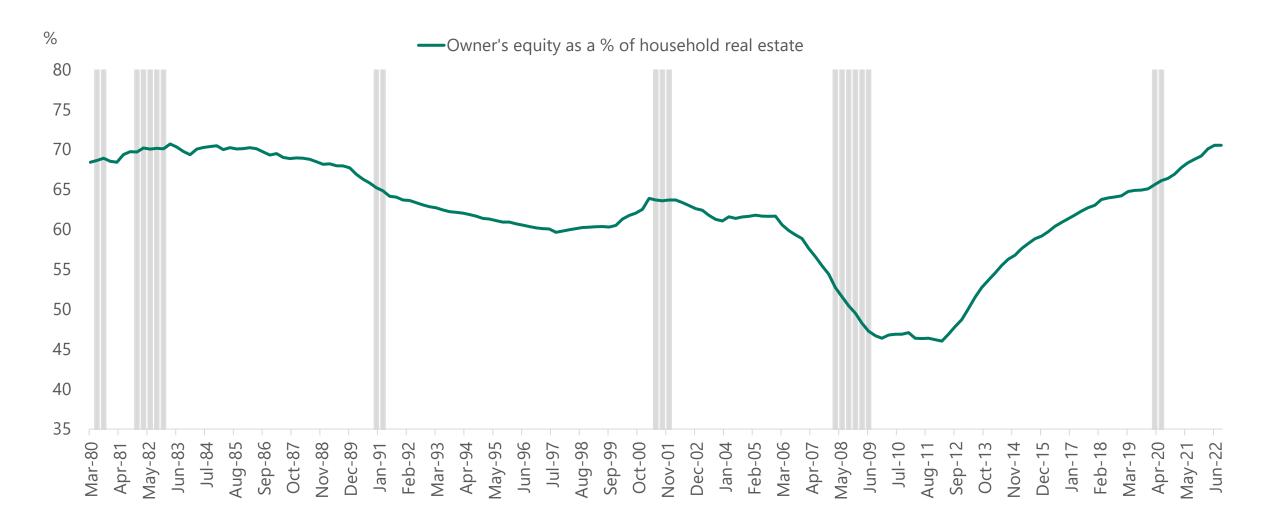
## US mortgage credit originations by credit score



## Mortgage origination falling across age groups

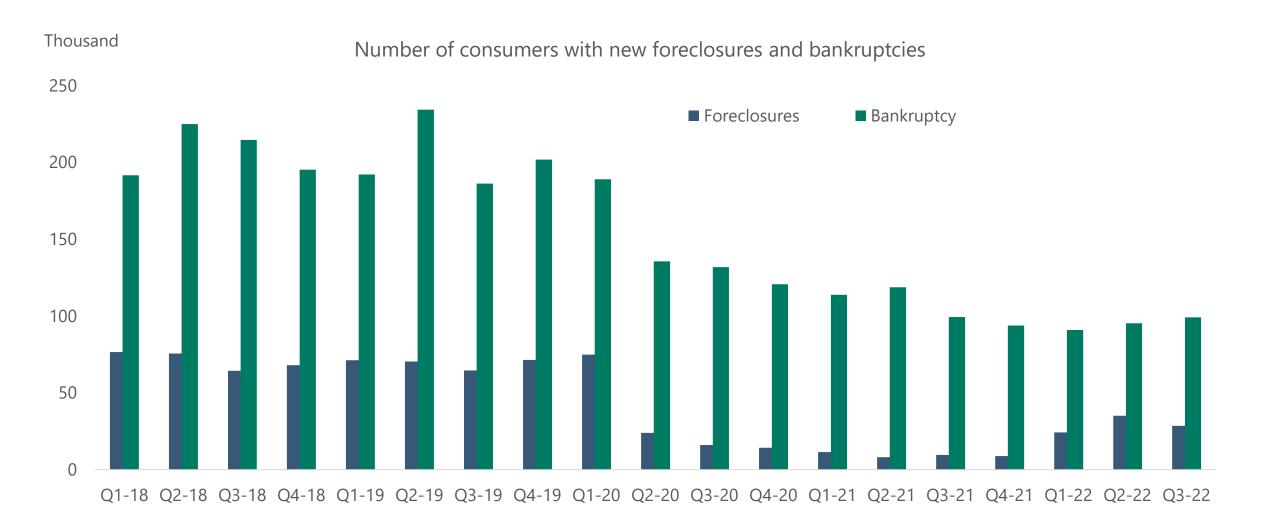


# Households have less debt in their homes: Homeowner's equity at highest level in decades



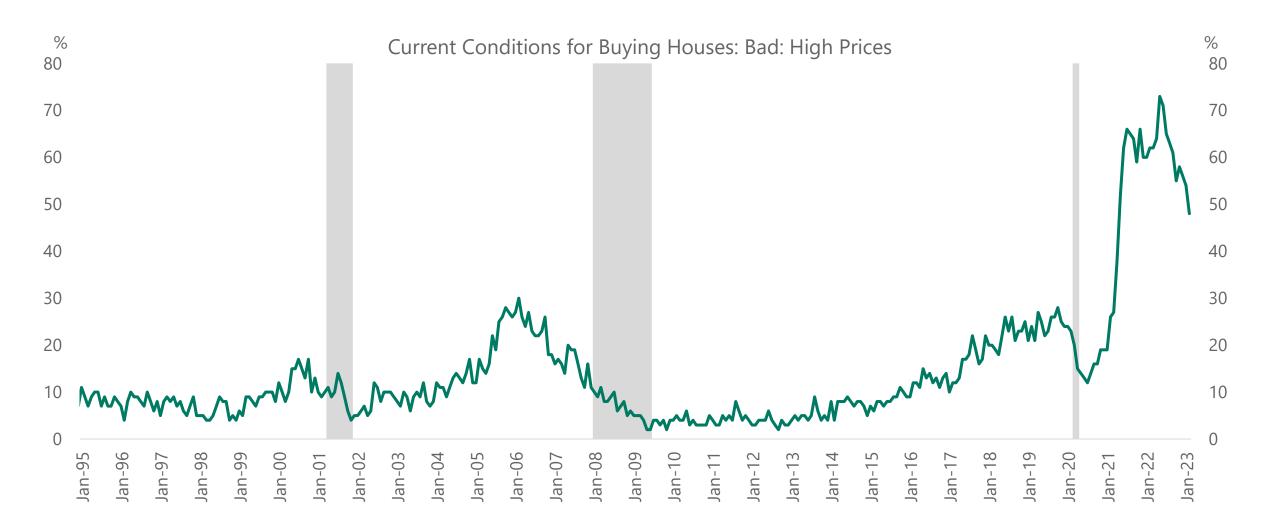
Source: FRB, Haver Analytics, Apollo Chief Economist

## Foreclosures starting to rise, bankruptcies still declining



Source: FRBNY,,Equifax, Haver, Apollo Chief Economist

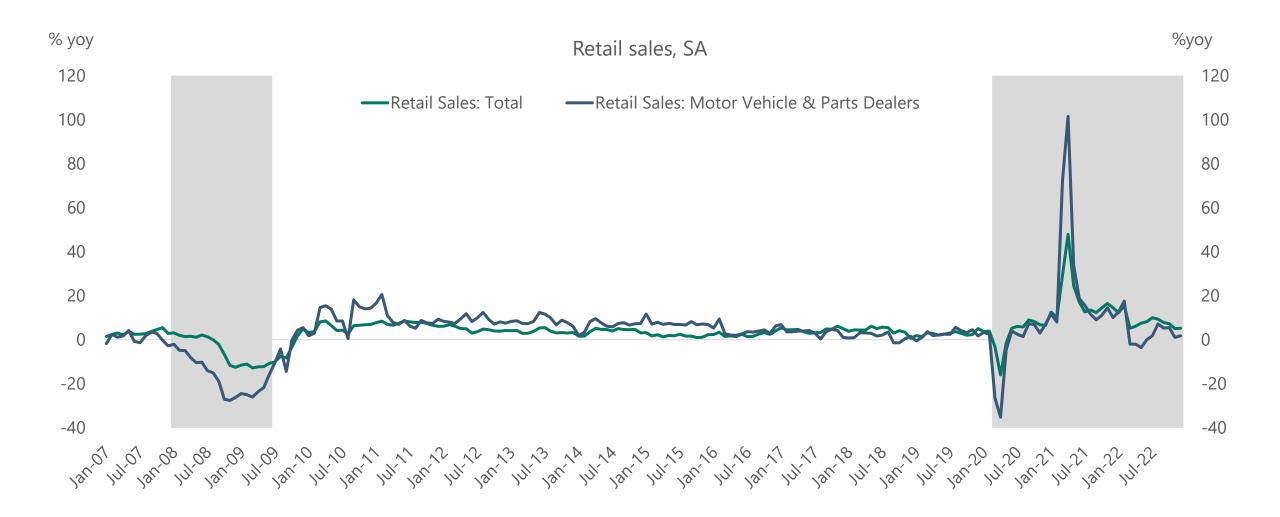
## Consumers' outlook for house prices improving



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Outlook for spending on cars

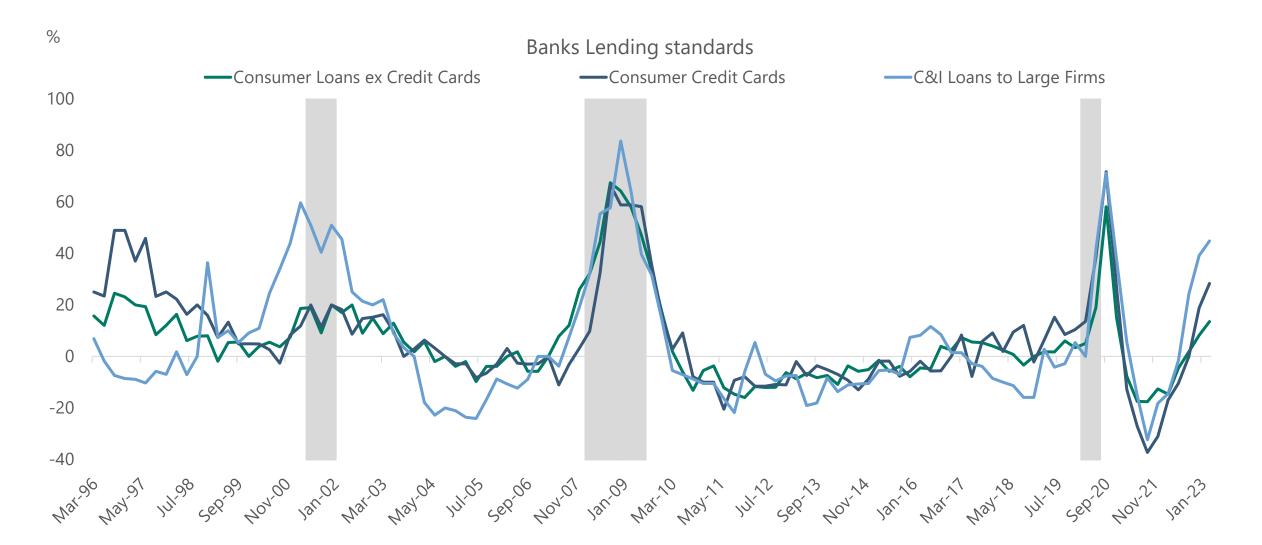
## Motor vehicle sales affected by high car prices



Source: Census Bureau, Apollo Chief Economist 36

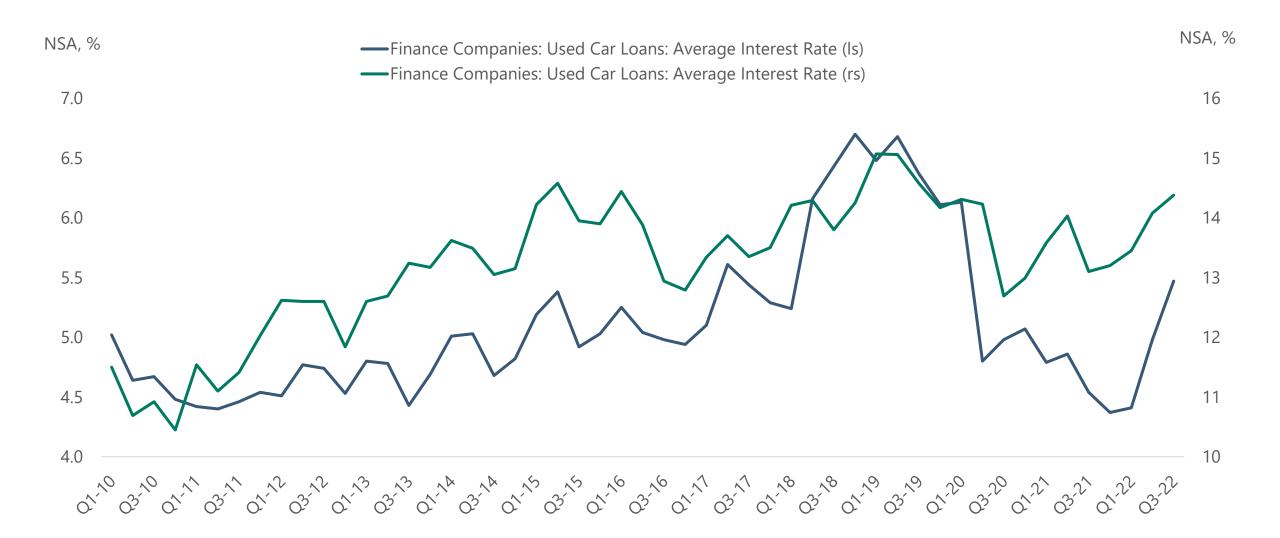
37 37

### Lending standards tightening

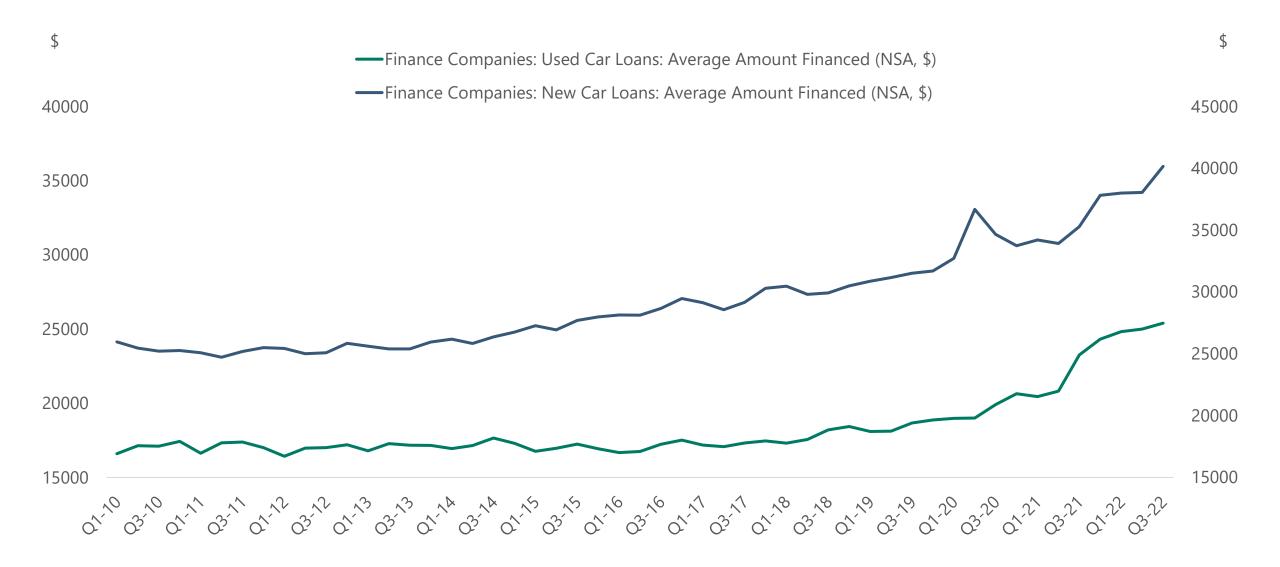


Source: FRB, Haver, Apollo Chief Economist

#### Interest rates on auto loans have increased less than the Fed funds rate



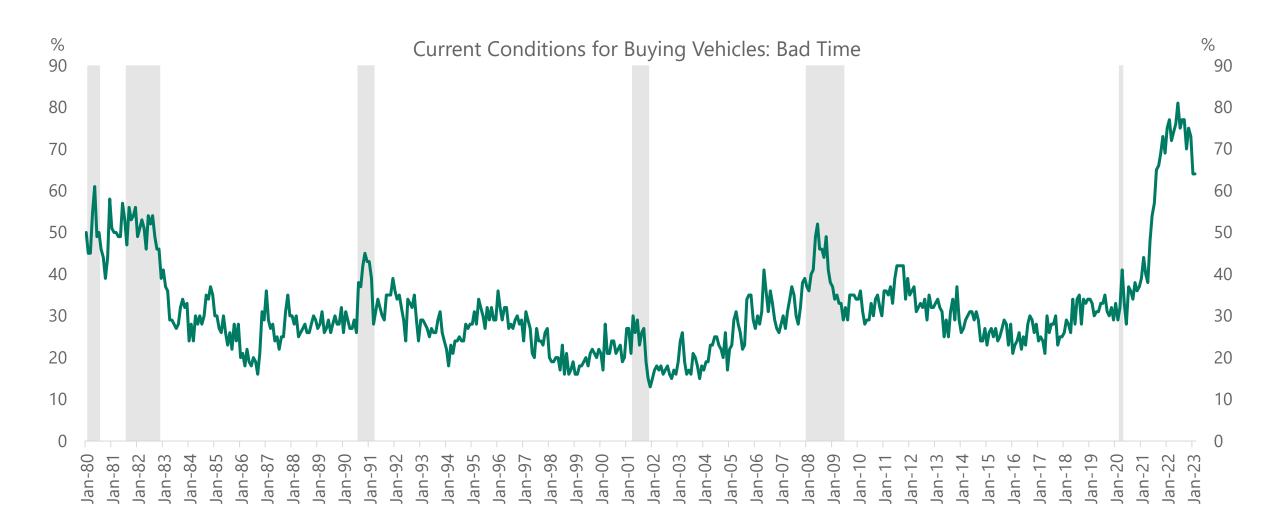
#### Average amount financed for new and used car loans



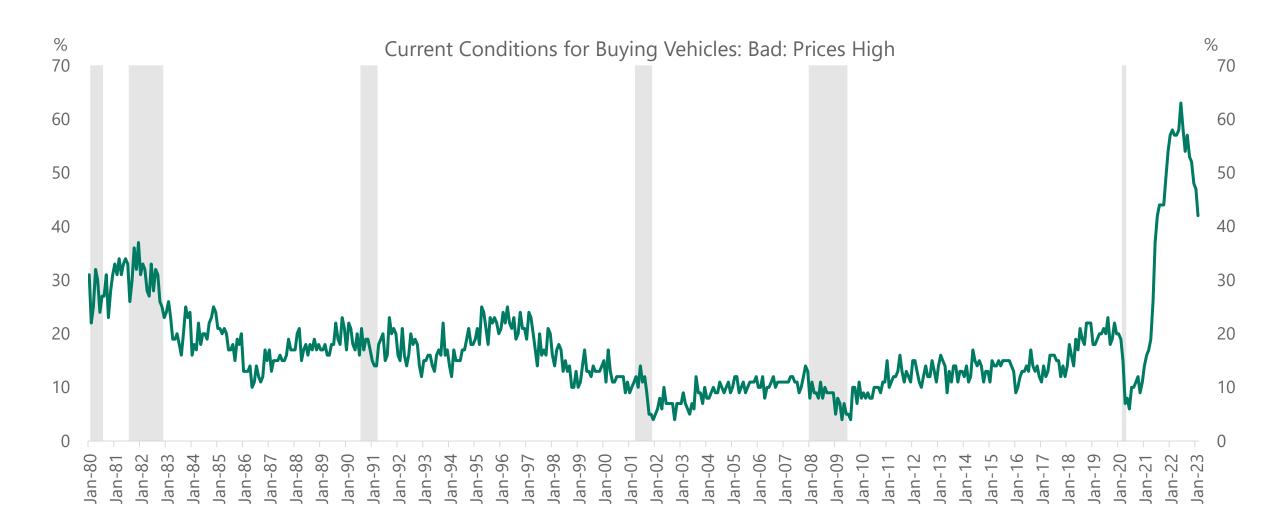
Source: FRB, Haver, Apollo Chief Economist

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#### Sentiment improving among car buyers



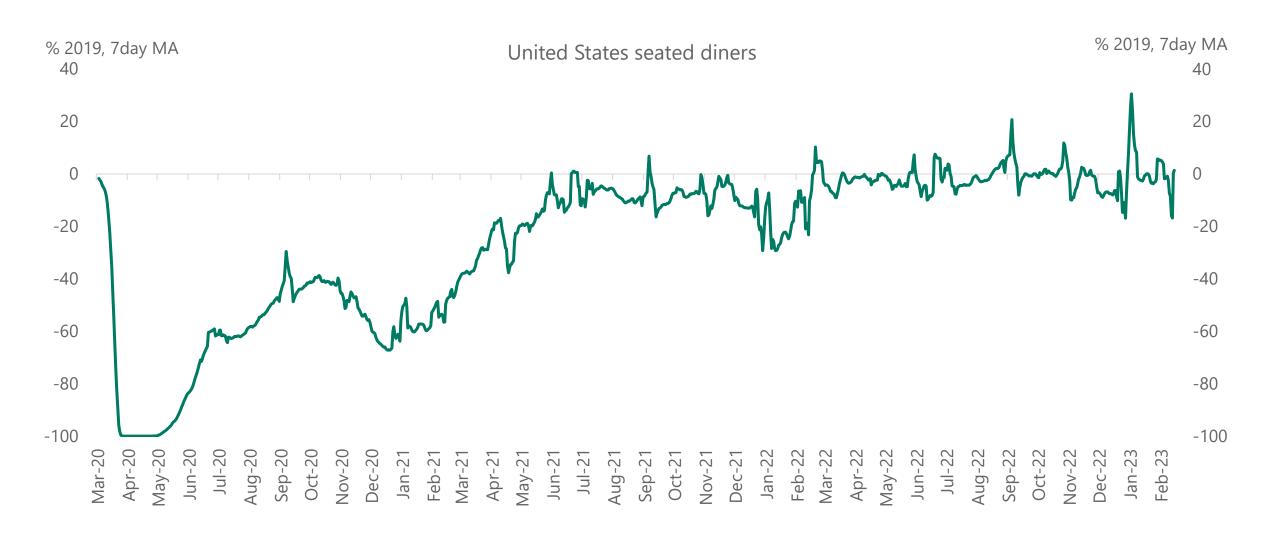
### Declining car prices is helping demand



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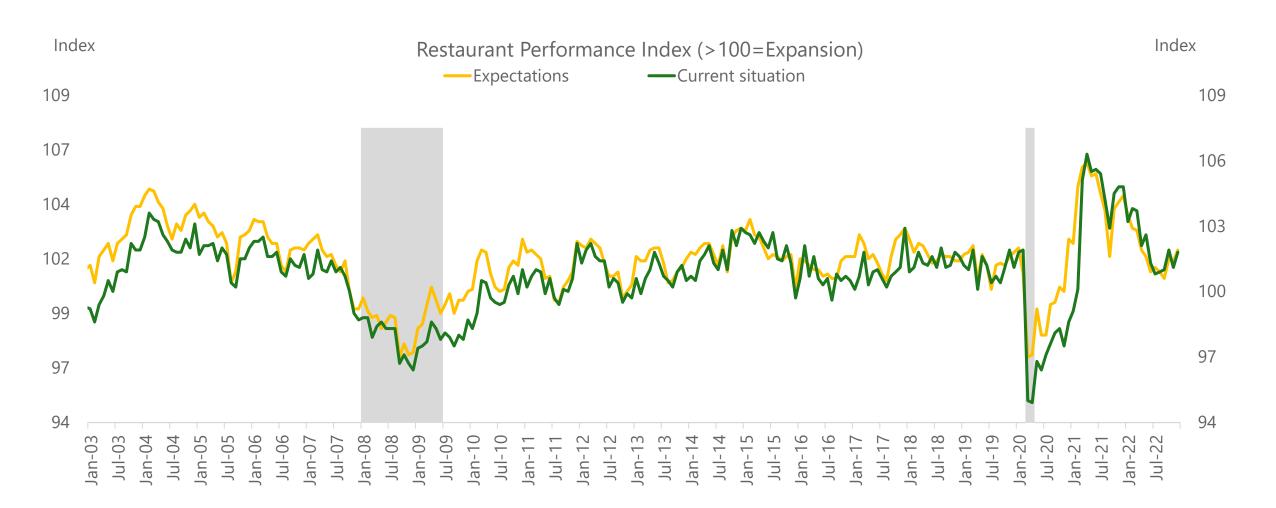
Outlook for spending on restaurants

#### United States restaurant bookings

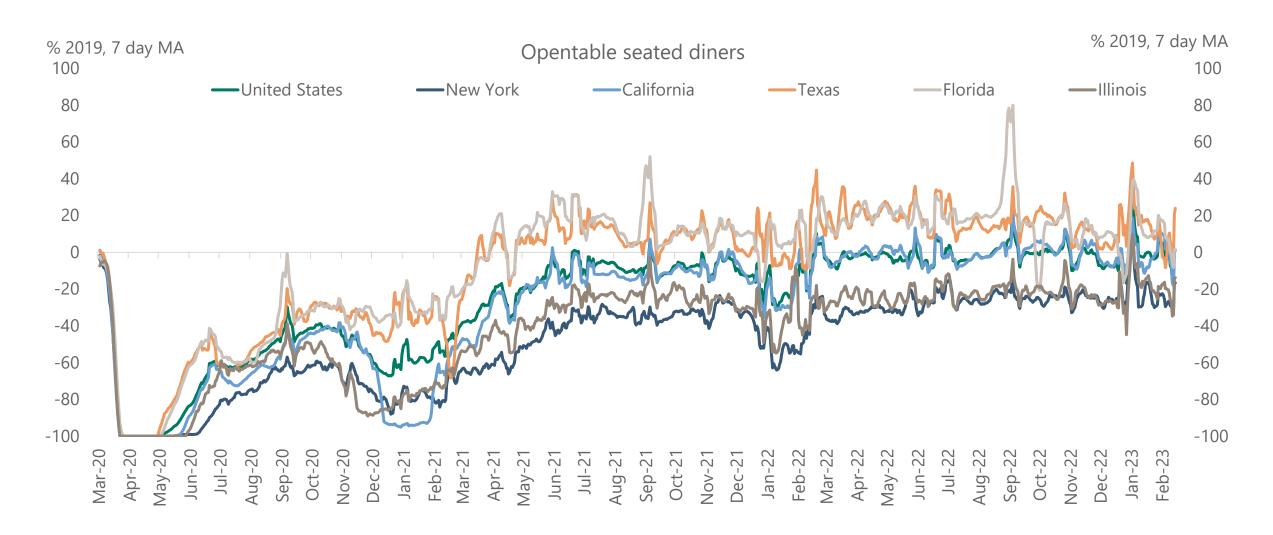


Source: OpenTable, Apollo Chief Economist 43

#### Restaurant demand rebounding

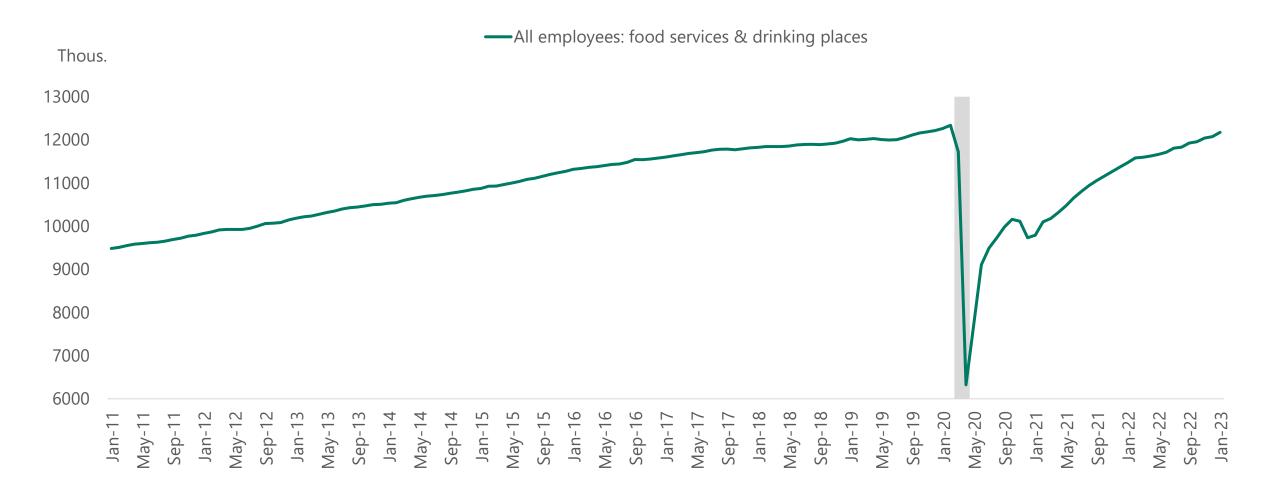


#### Restaurant bookings still strong



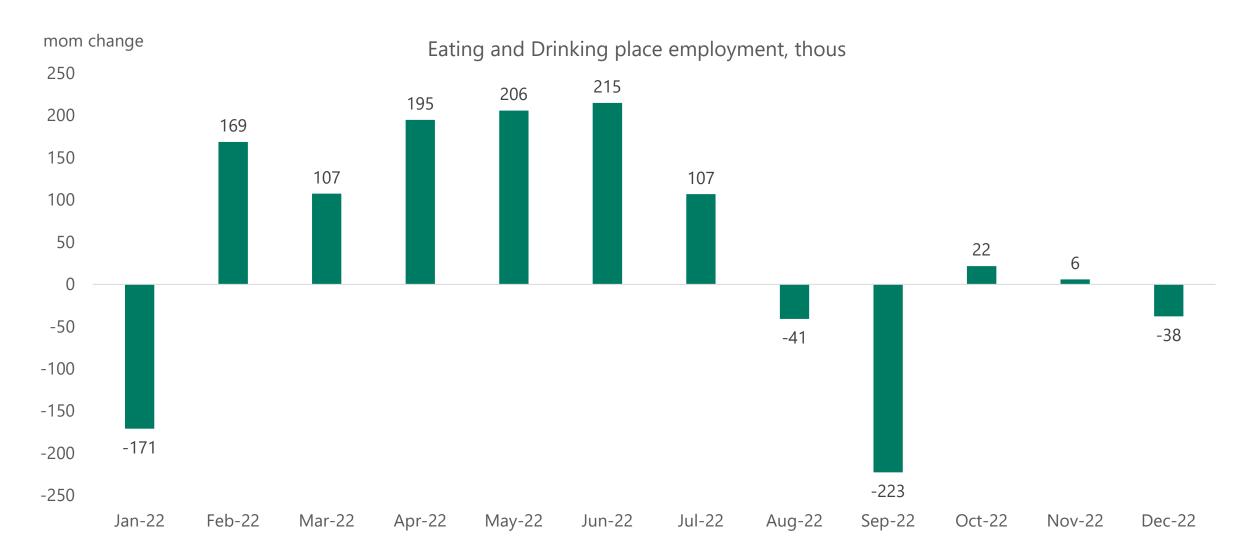
Source: OpenTable, Apollo Chief Economist 45

# Employment in restaurants and bars approaching pre-pandemic levels



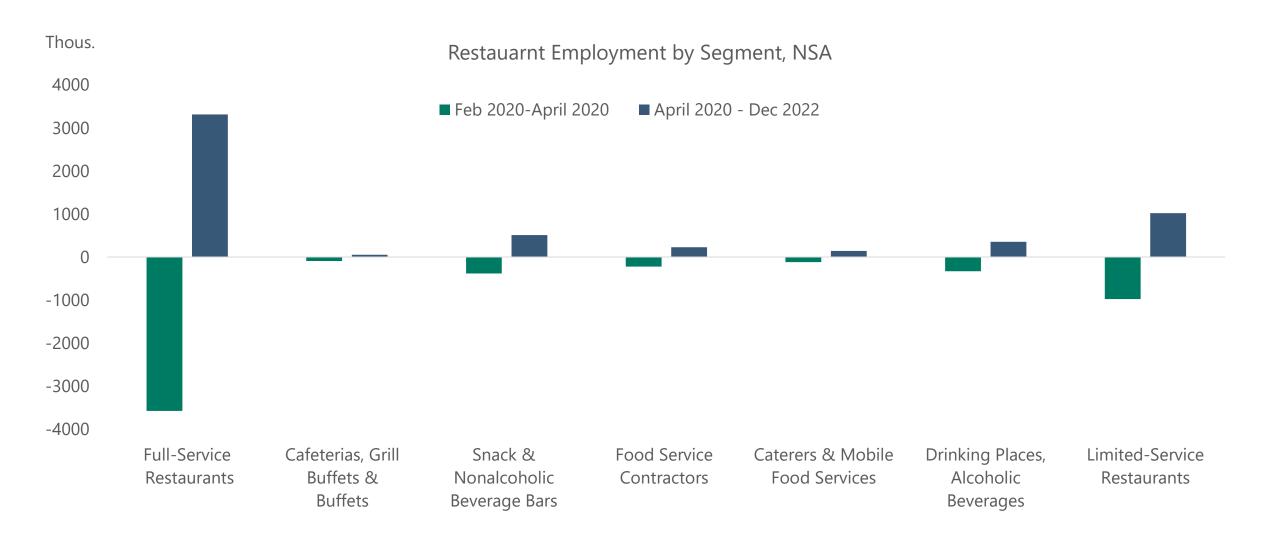
Source: BLS, Haver, Apollo Chief Economist

## Hiring at Eating and Drinking places



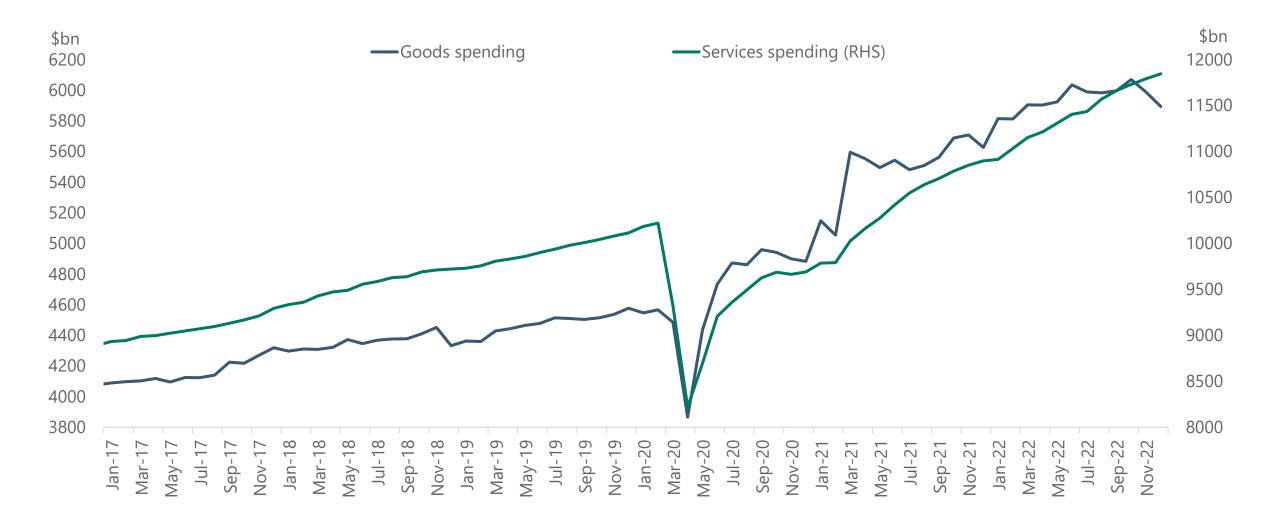
Source: BLS, Haver, Apollo Chief Economist

### Growth in restaurant employment, by type of restaurant



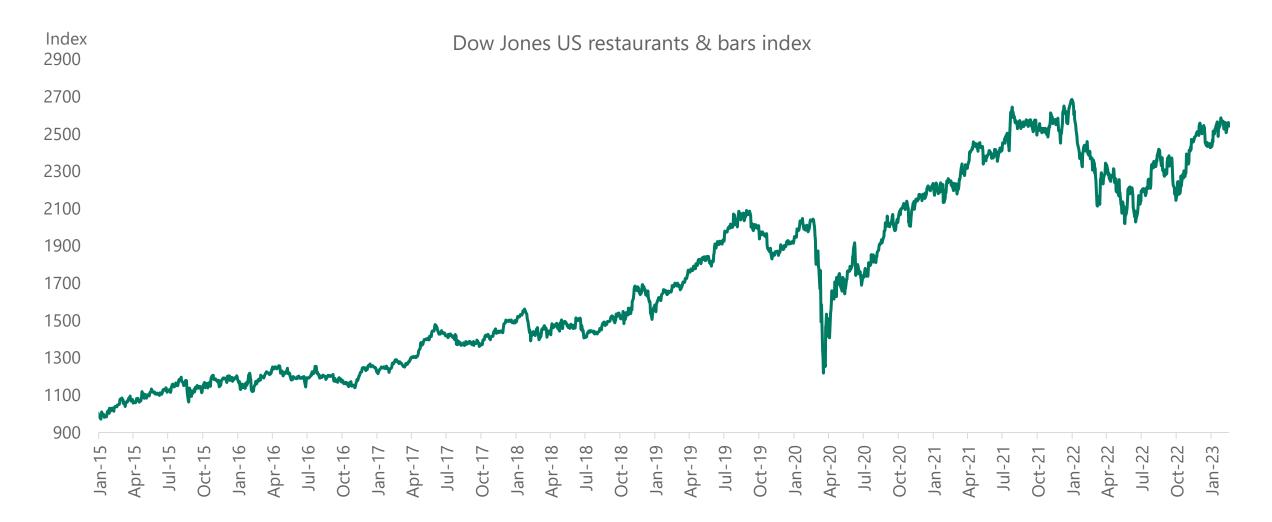
Source: BLS, Haver, Apollo Chief Economist

#### Service sector spending significantly above pre-pandemic levels



Source: BEA, Haver, Apollo Chief Economist

## Stock prices for restaurants and bars

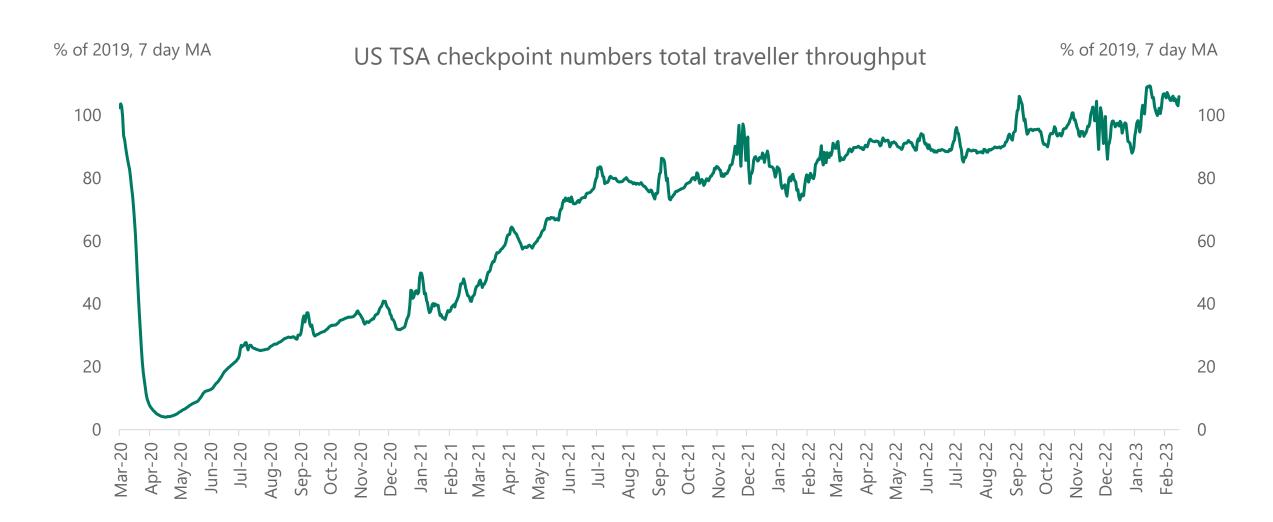


Source: Bloomberg, Apollo Chief Economist

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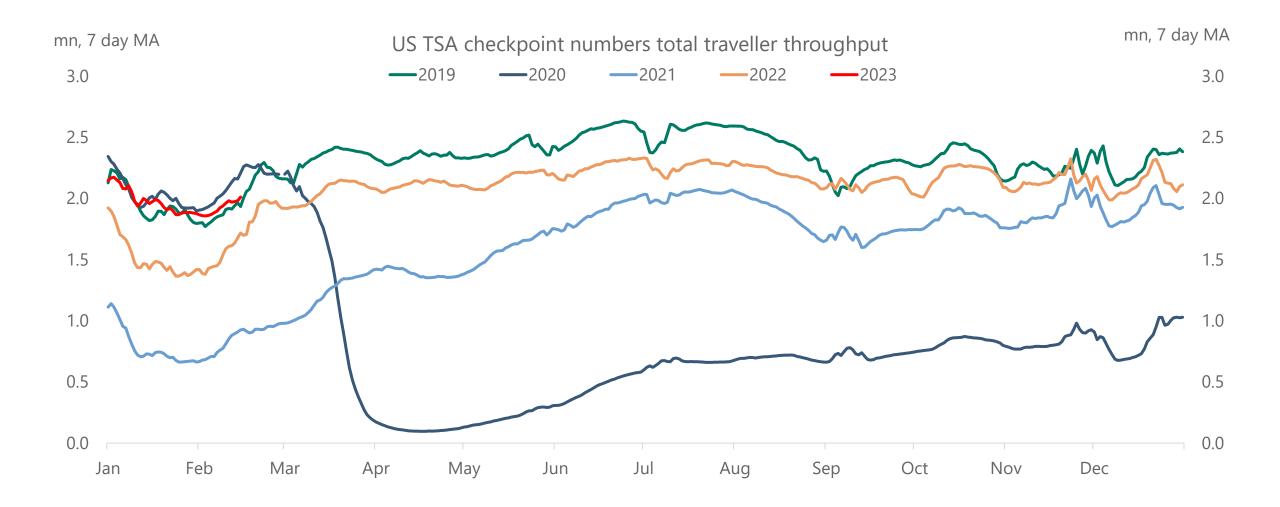
Outlook for spending on travel

#### TSA: US air travel still strong



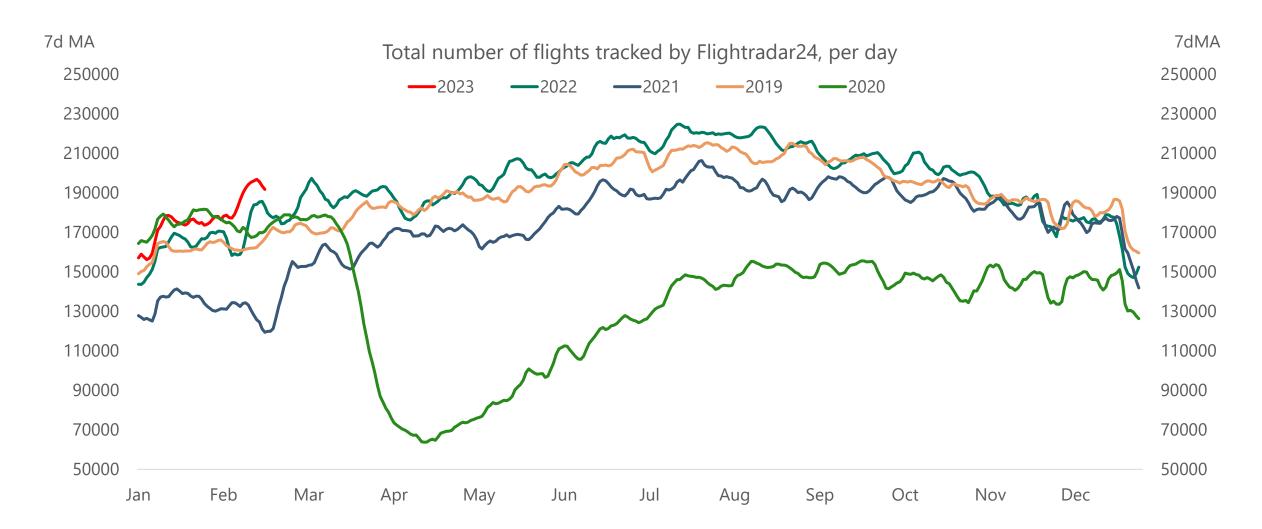
Source: TSA, Apollo Chief Economist 52

### US air travel still strong



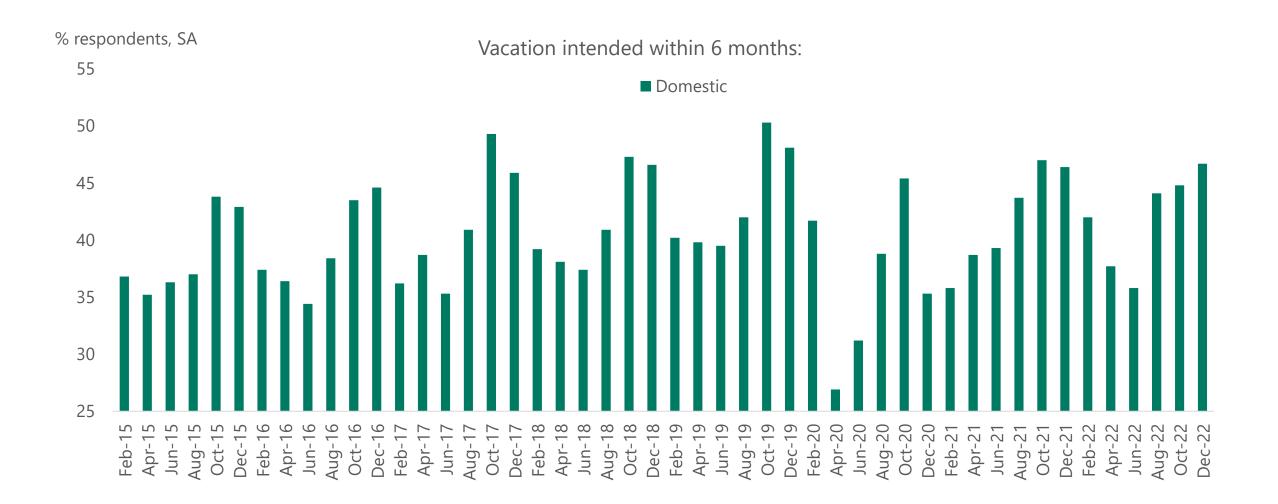
Source: TSA, Bloomberg, Apollo Chief Economist

### Global air traffic still high

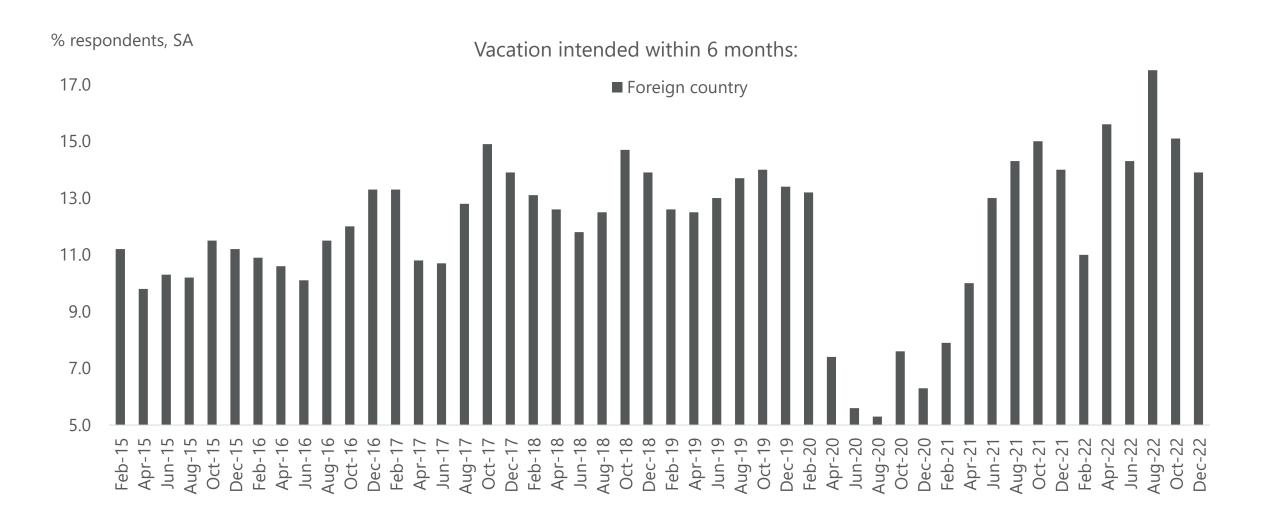


Source: Flightradar24.com, Apollo Chief Economist

#### Vacation intentions: Within the US

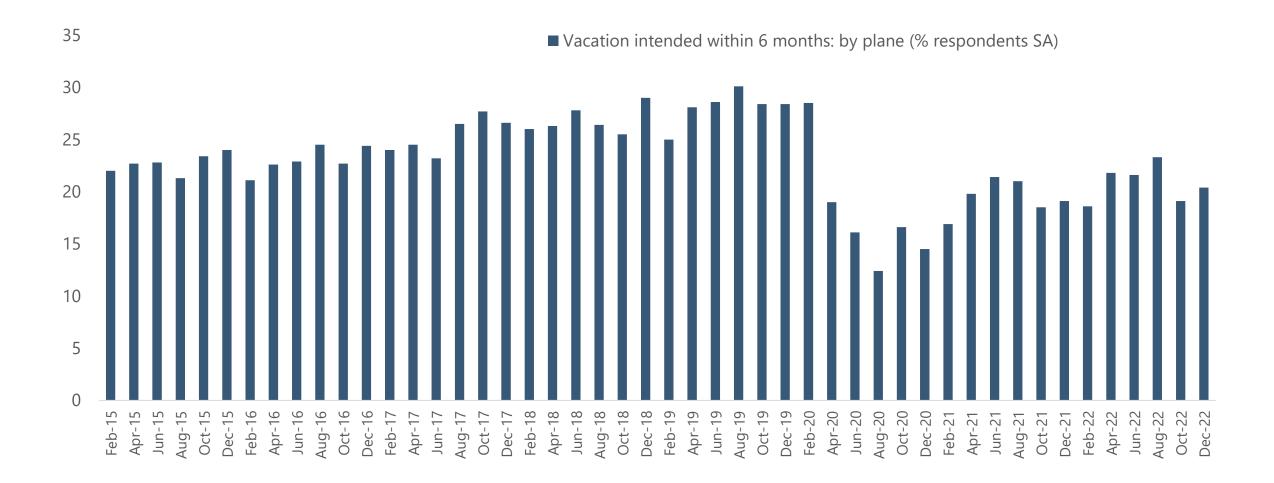


#### Vacation intentions to a foreign country



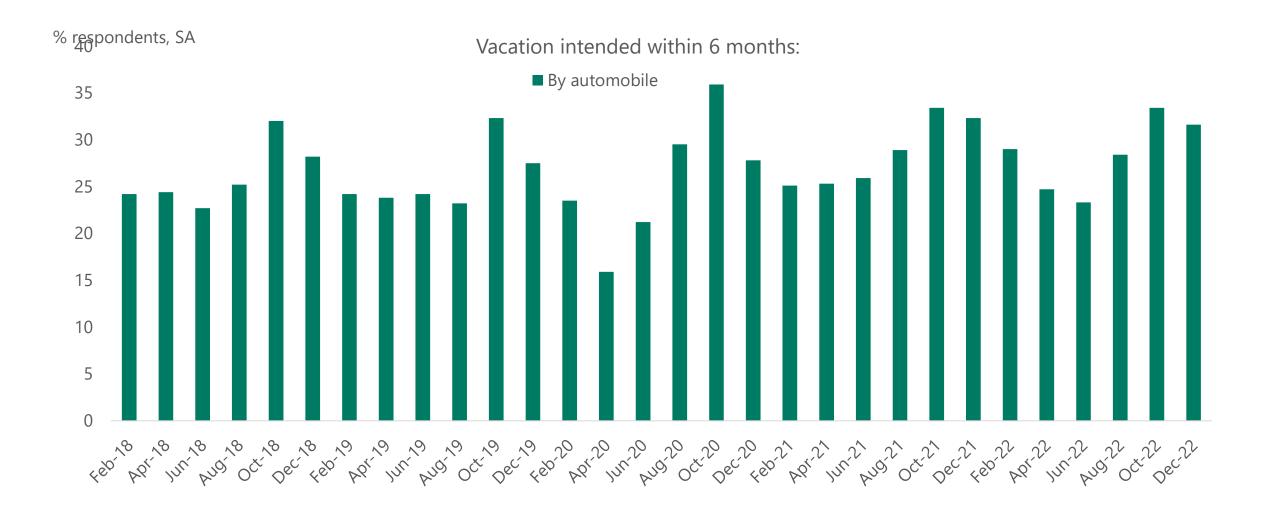
Source: Conference Board, Apollo Chief Economist 56

#### Vacation intentions: By plane



Source: Conference Board, Apollo Chief Economist 57

#### Vacation intentions: By car



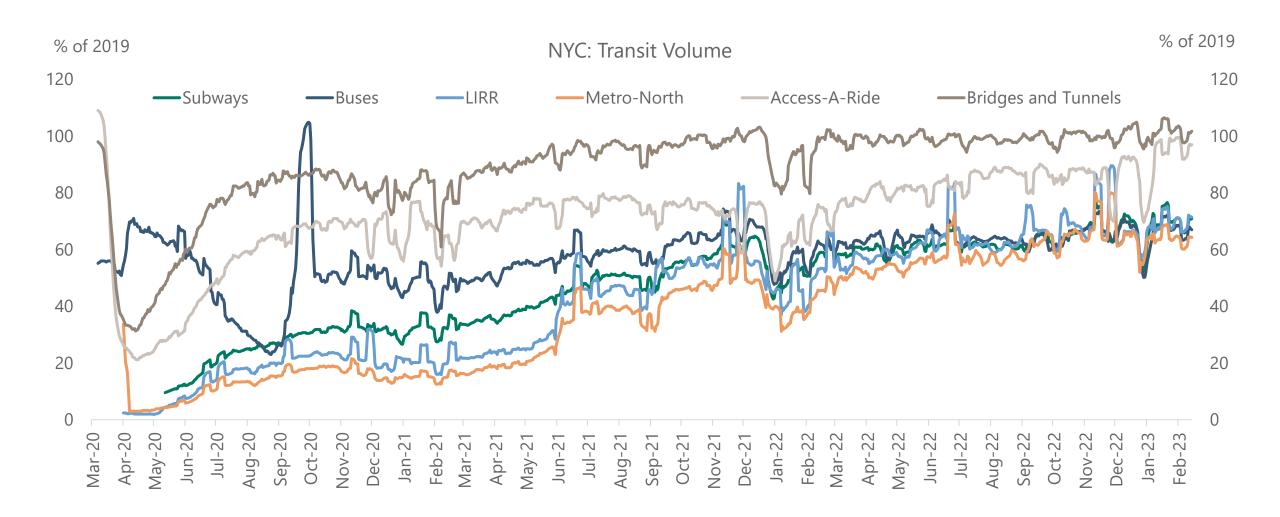
### Air travel during holidays back to pre-pandemic level



## Las Vegas visitor volumes have fully recovered



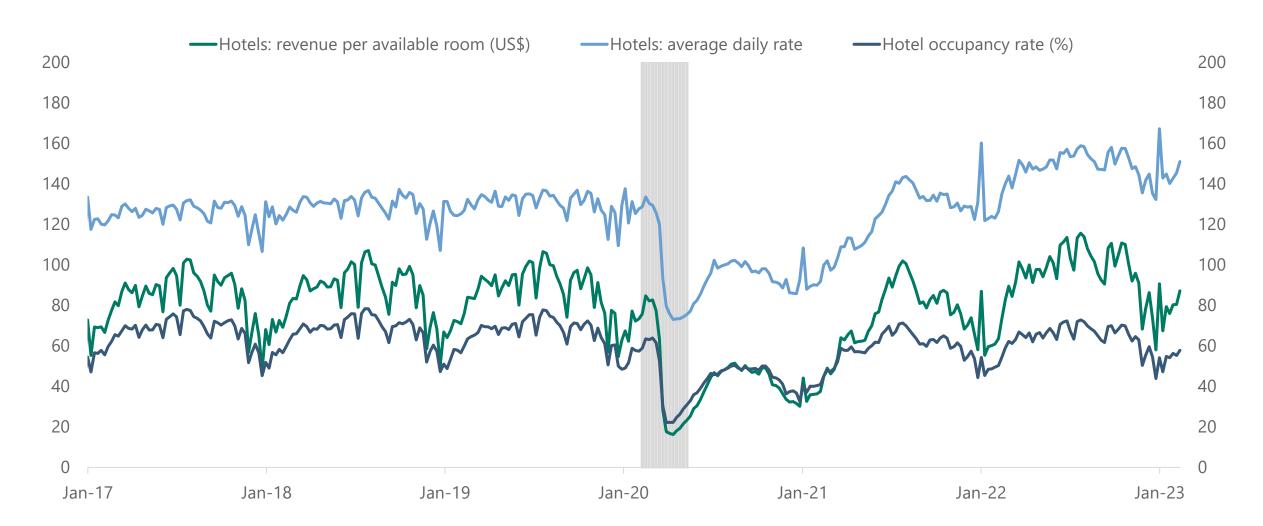
## NYC mobility indicators improving



Source: MTA, Apollo Chief Economist

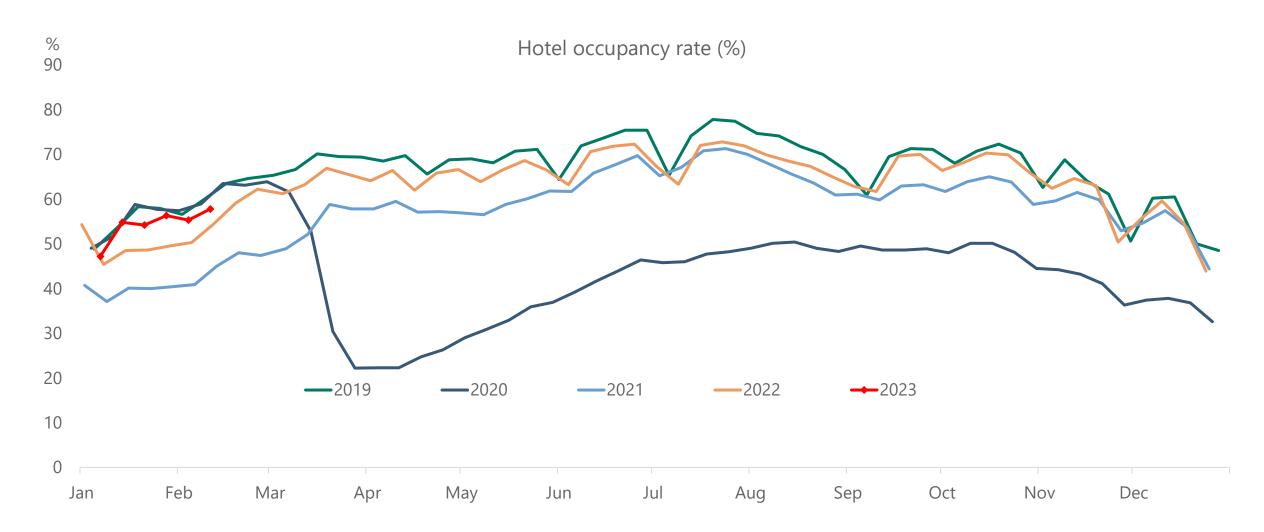
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## Weekly data for hotel demand still strong

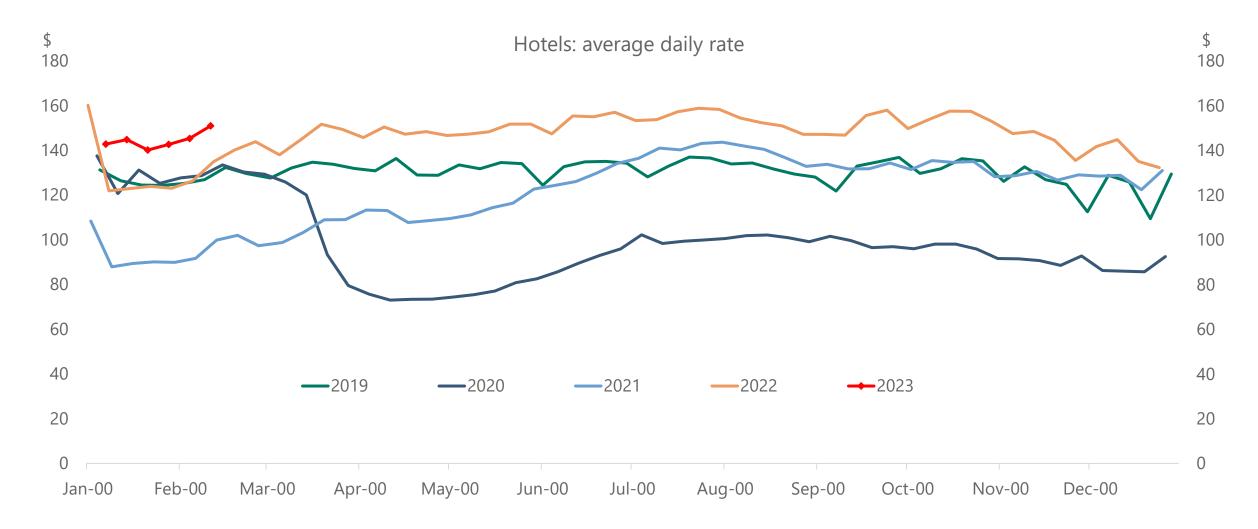


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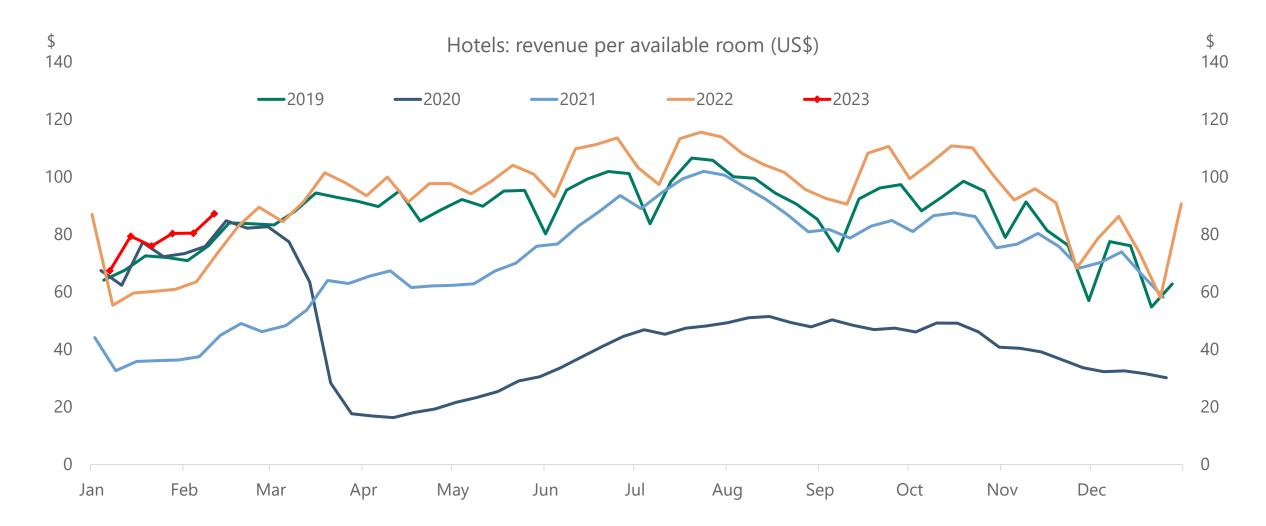
### Weekly data for hotel demand still strong



#### Weekly data for hotel demand still strong



### Weekly data for hotel demand still strong



# Hotel prices are now above pre-pandemic levels

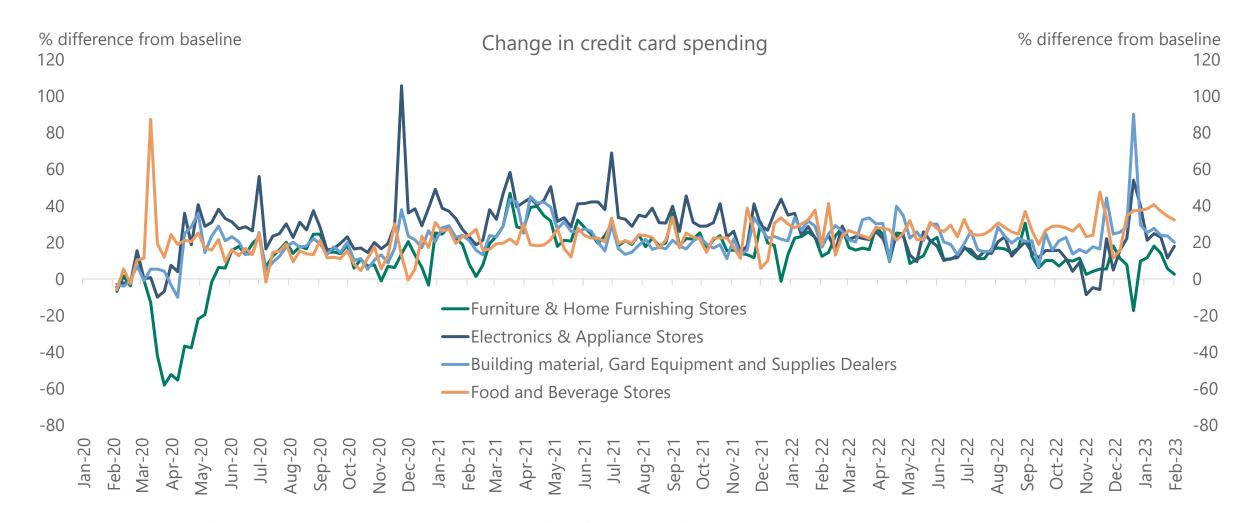


Source: Timessquarenyc.org, Apollo Chief Economist

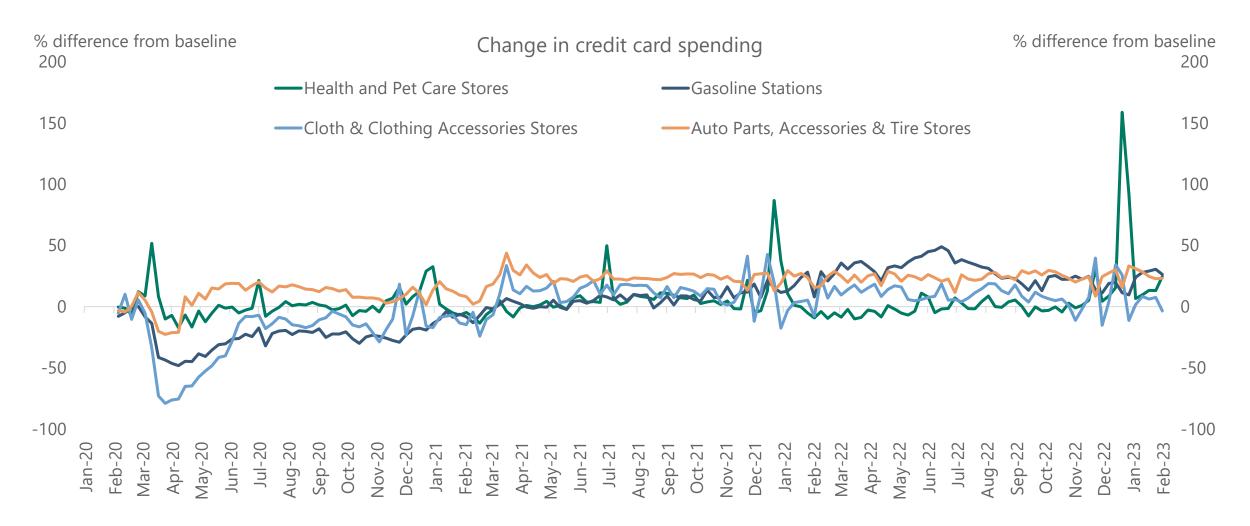
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Outlook for spending on other consumer goods

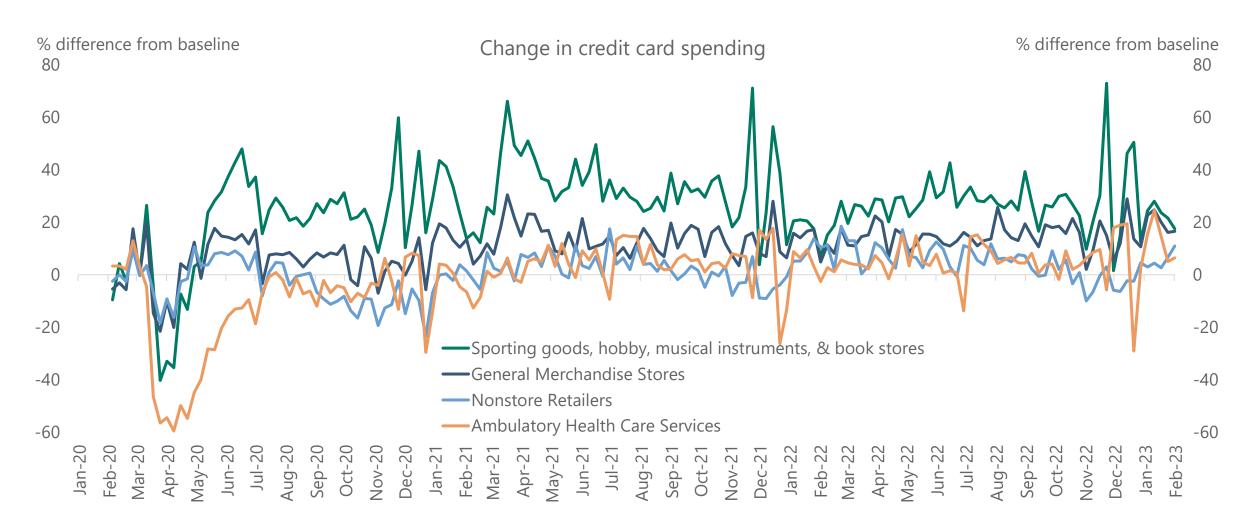
### US consumer still strong, some weakness emerging in furniture sales



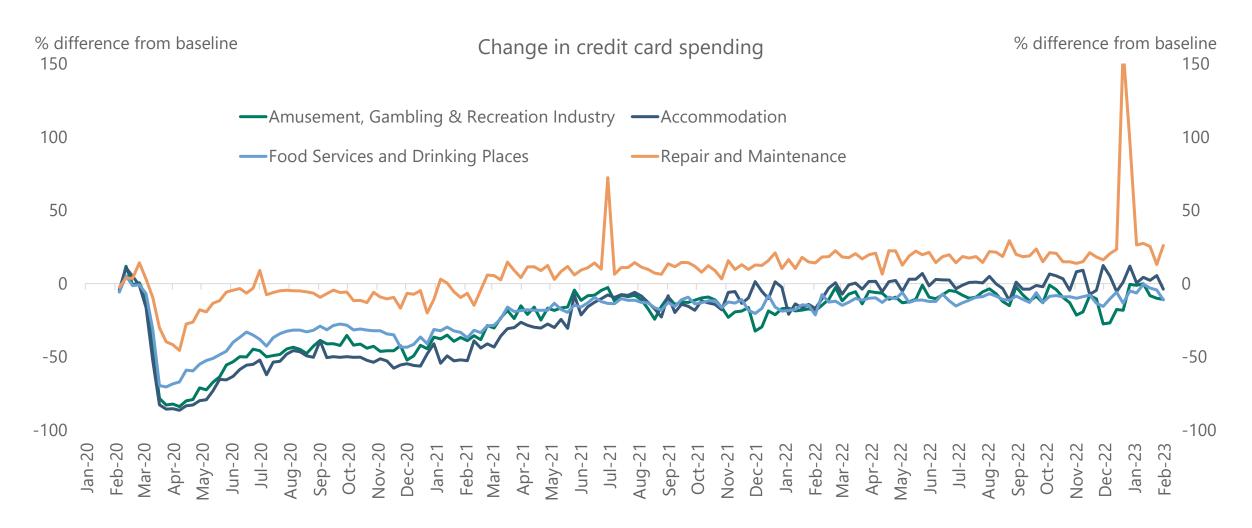
#### US consumer still strong



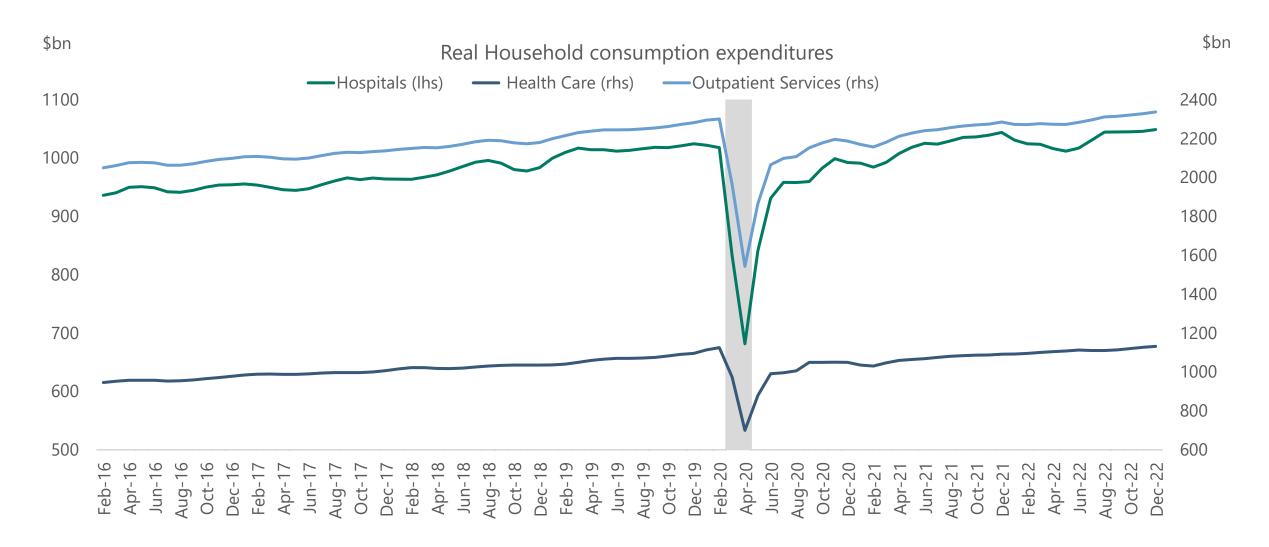
### US consumer still strong



#### US consumer still strong

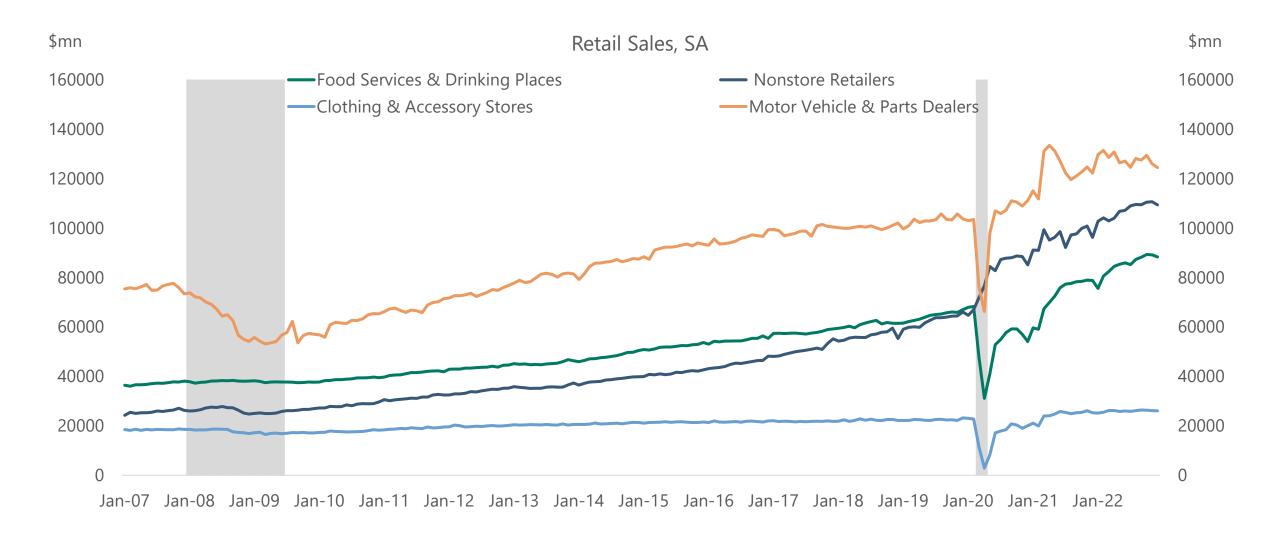


### Health care spending at pre-pandemic trend

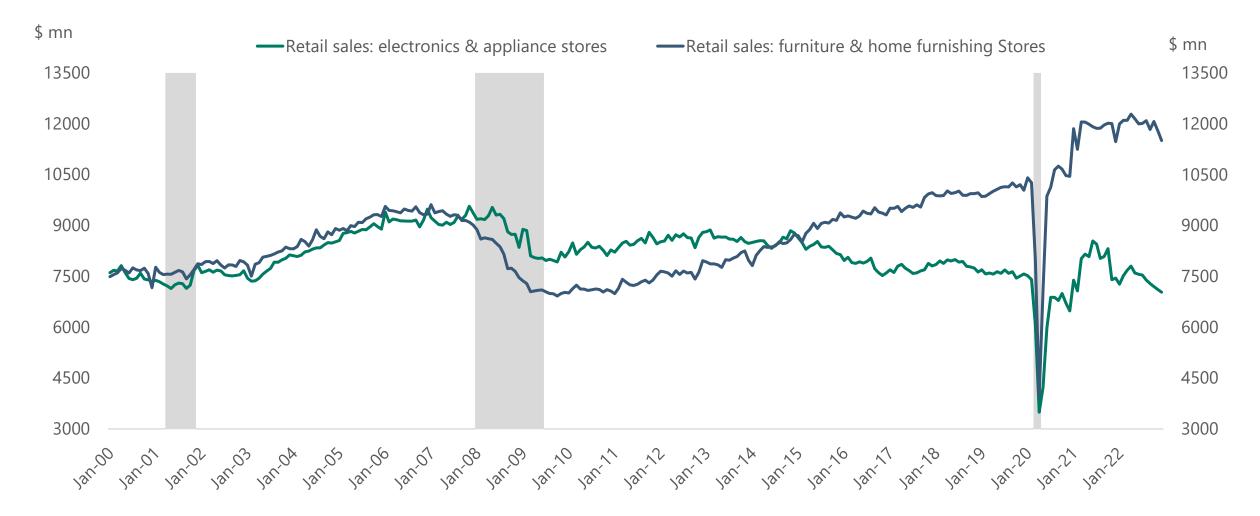


Source: BEA, Haver, Apollo Chief Economist

### Retail sales across different spending categories



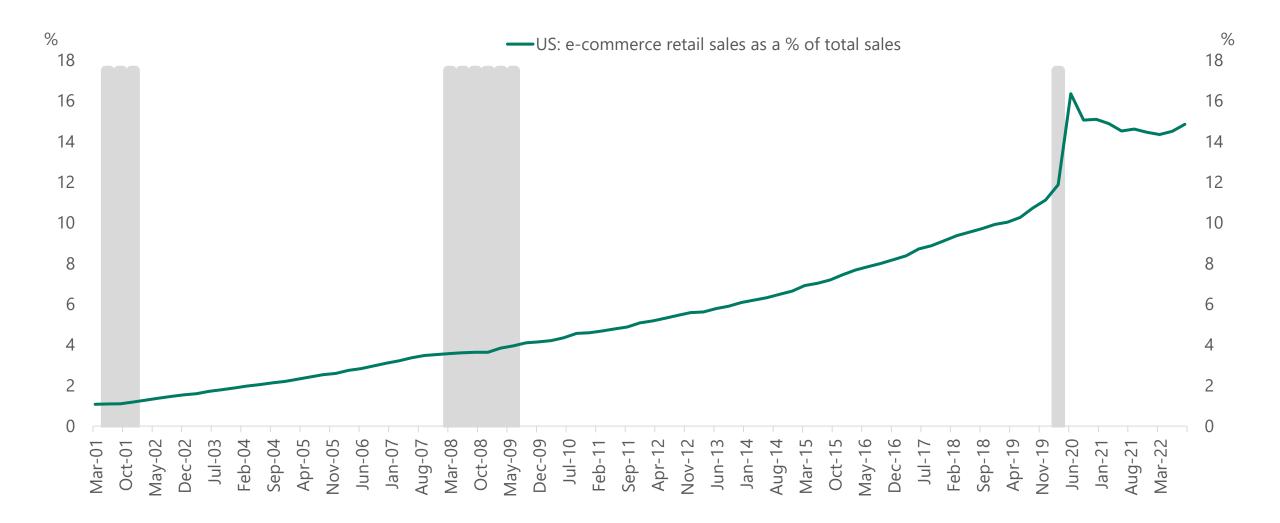
# Some slowdown in sales of Furniture and Electronics and appliances, likely because these items require financing



#### E-commerce retail sales stabilizing



# Online shopping as a share of total consumer spending coming back to trend



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# Conclusions

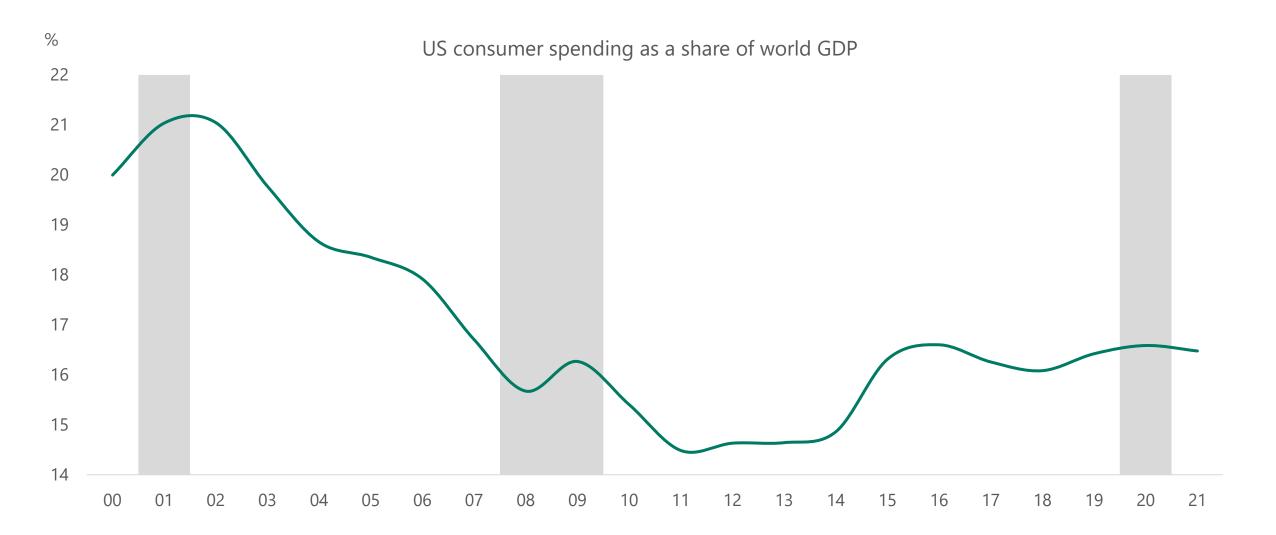
#### Key conclusions

Consumer spending growth remains solid, driven by:

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- 4) High levels of excess savings and elevated levels of wealth, driven by high home prices and high stock prices

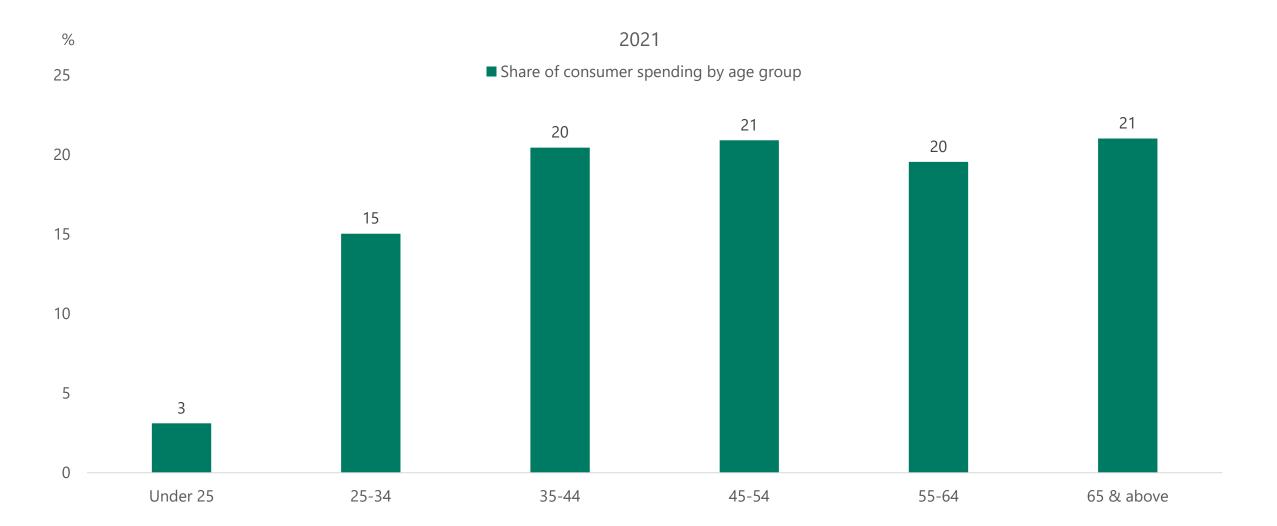
Risks to the outlook for the consumer are higher interest rates, a rise in unemployment, and high inflation making many purchases such as cars, gas, and homes too expensive.

# US consumer makes up 16.5% of global GDP



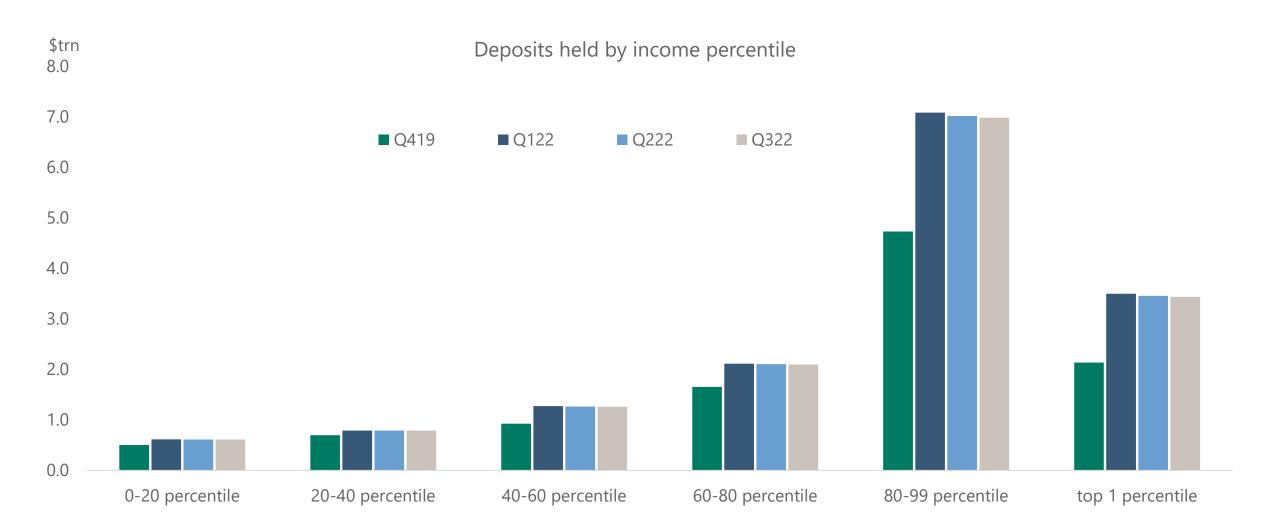
Source: Haver, World Bank, Apollo Chief Economist

# People age 55 and above account for 41% of total consumer spending



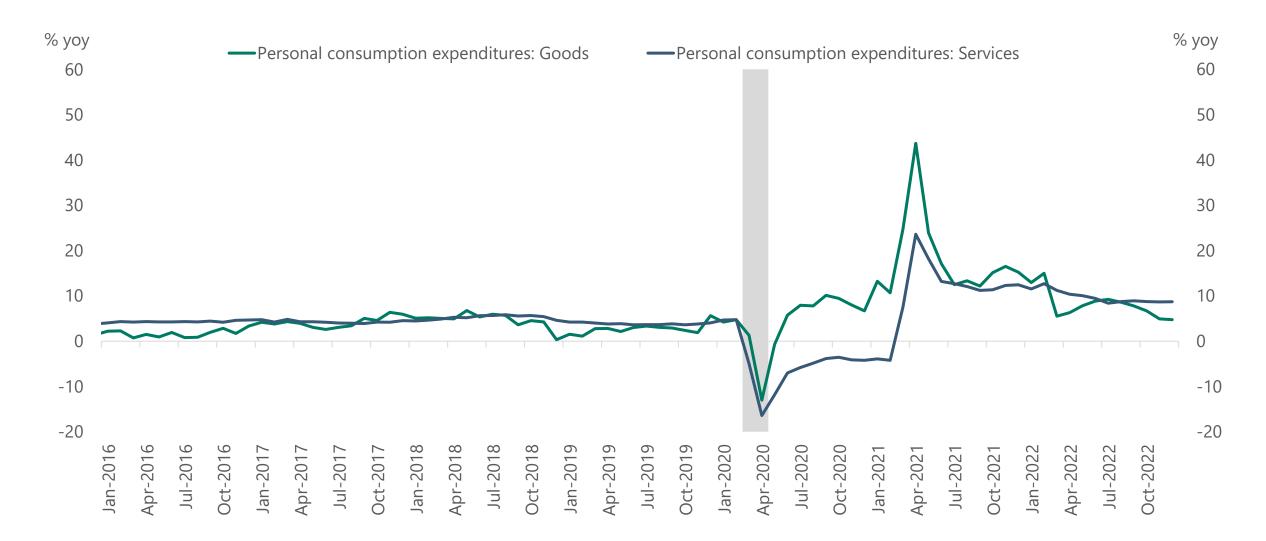
Source: BLS, Haver, Apollo Chief Economist

# Household savings across different income groups



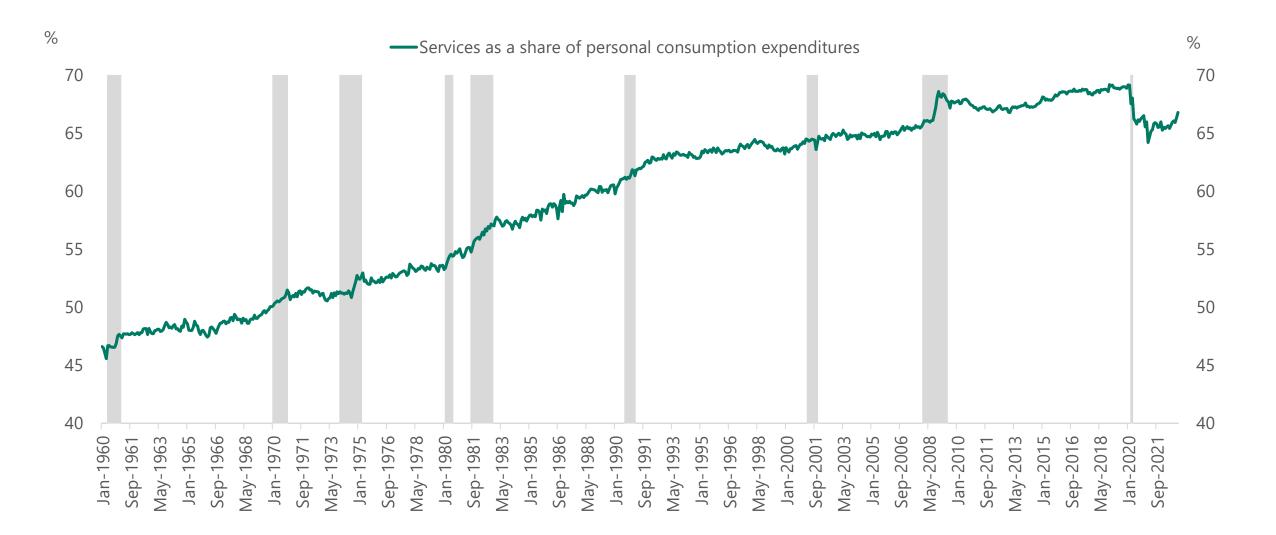
Source: FRB, Haver Analytics, Apollo Chief Economist

### Change in personal consumption expenditures on goods and services



Source: BEA, Haver Analytics, Apollo Chief Economist

### Spending on services declined during pandemic



Source: BEA, Haver Analytics, Apollo Chief Economist



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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 at Deutsche Bank where his team was top ranked in the annual Institutional Investor survey for a decade, including #1 in 2019. Prior to joining Deutsche Bank Mr. Slok worked at the IMF in Washington, DC and at the OECD in Paris.

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