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Apollo Chief Economist

# Outlook for the US consumer

Torsten Slok, Chief Economist Jyoti Agarwal, Senior Economist Rajvi Shah, Economist

tslok@apollo.com

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Unless otherwise noted, information as of June 2022

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# **Key conclusions**

Consumer spending growth will remain 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

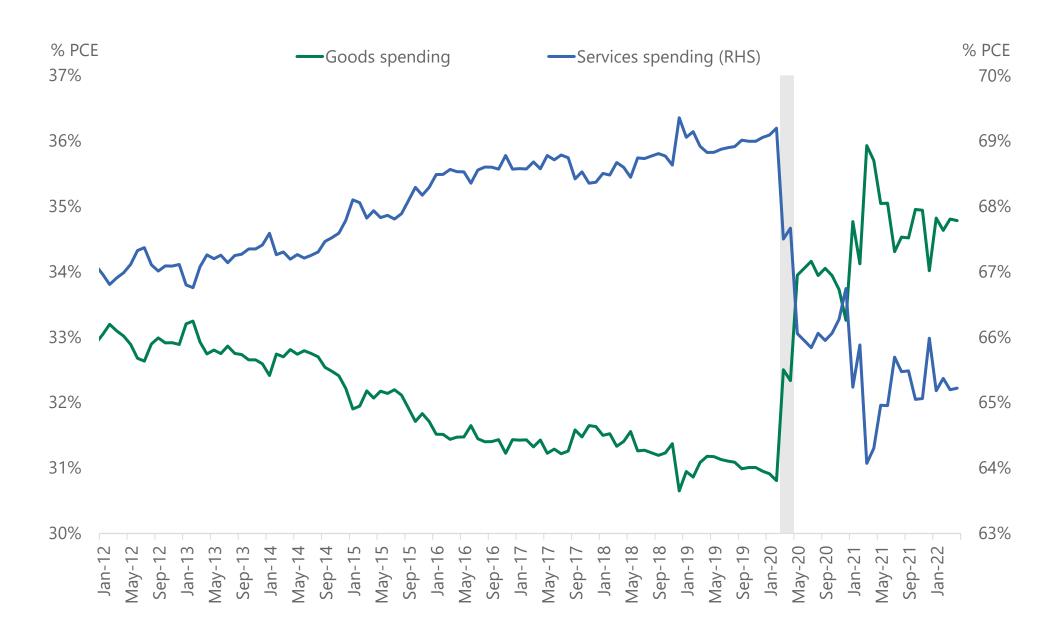
Risks to the outlook for the consumer are higher interest rates, lower stock prices and crypto prices, and high inflation making many purchases such as cars, gas, and homes too expensive.

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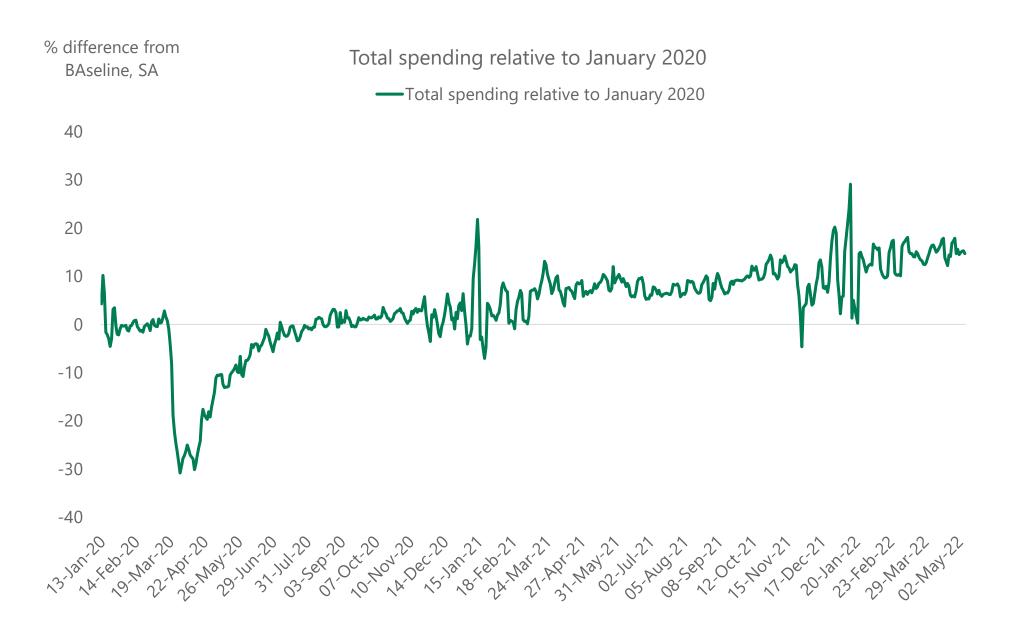


# Shift from goods to services coming in US consumer spending



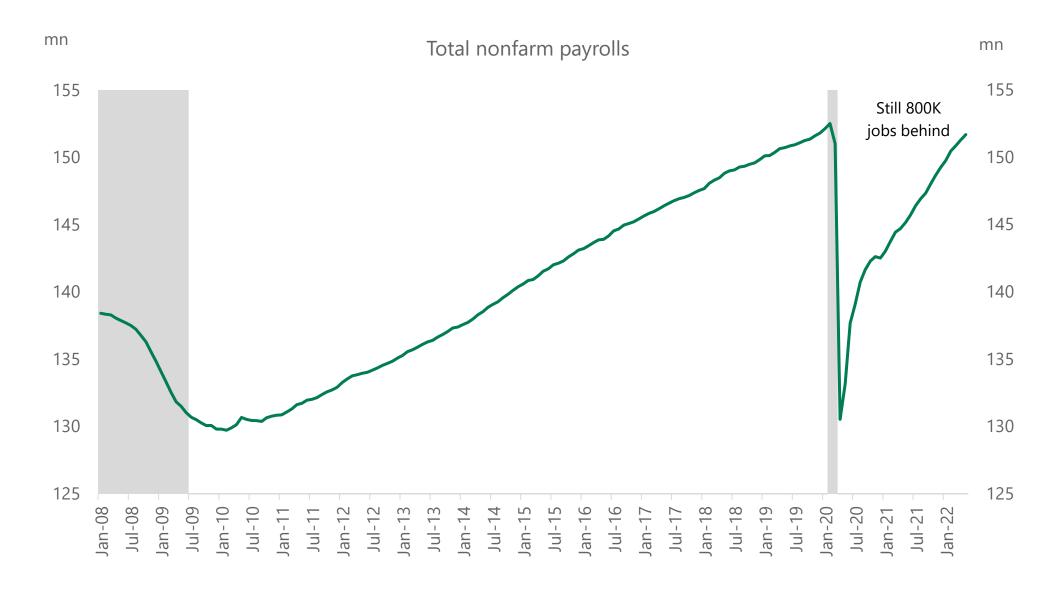
Source: BEA, Haver Analytics, Apollo Chief Economist

#### The level of consumer spending now 14% above pre-pandemic levels

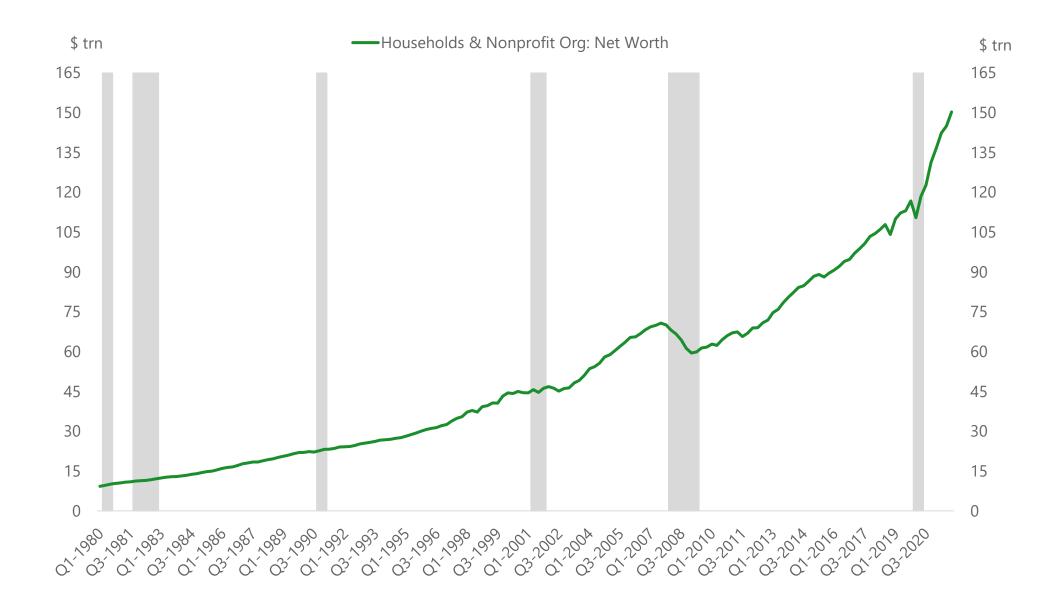


Source: Affinity solutions, Apollo Chief Economist

### Total employment 800K jobs lower than in February 2020

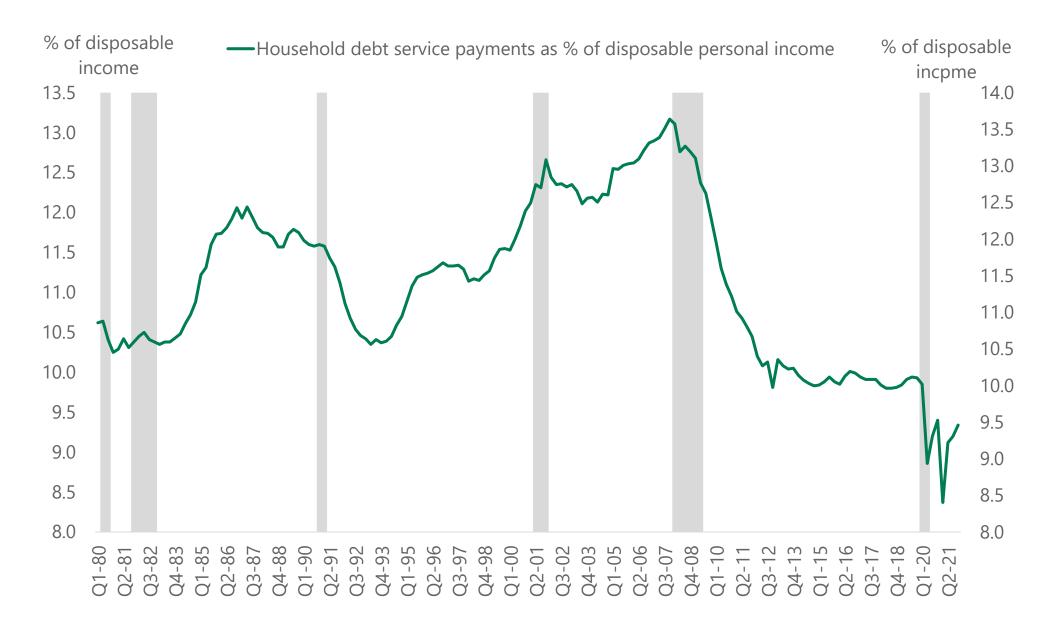


#### Net worth of the US household sector at record high: \$150trn



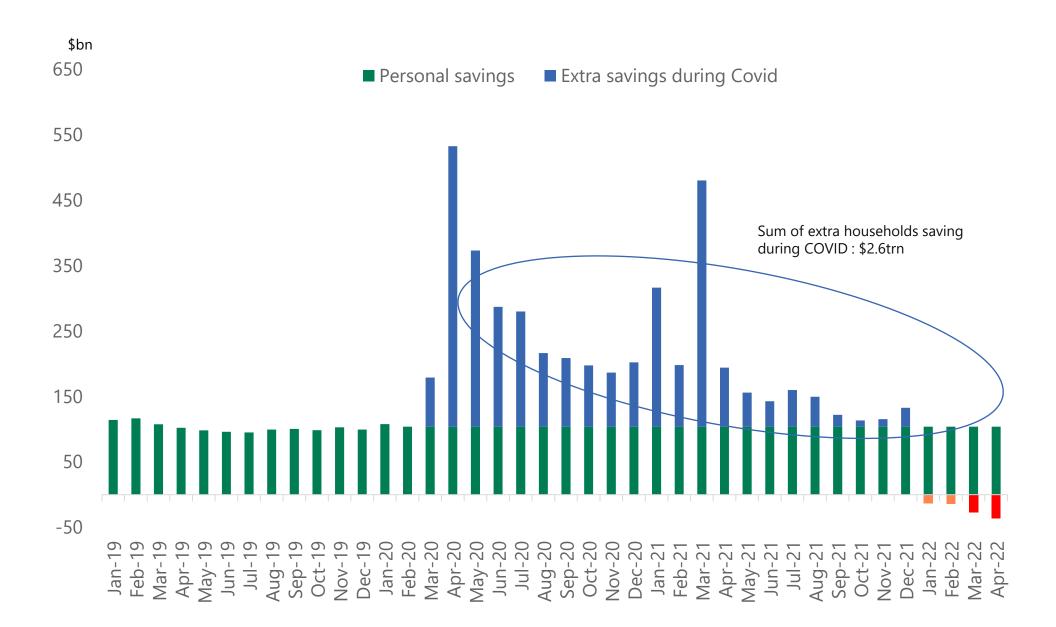
Source: FRB, Haver, Apollo Chief Economist

#### Household debt service payments as a share of income still low



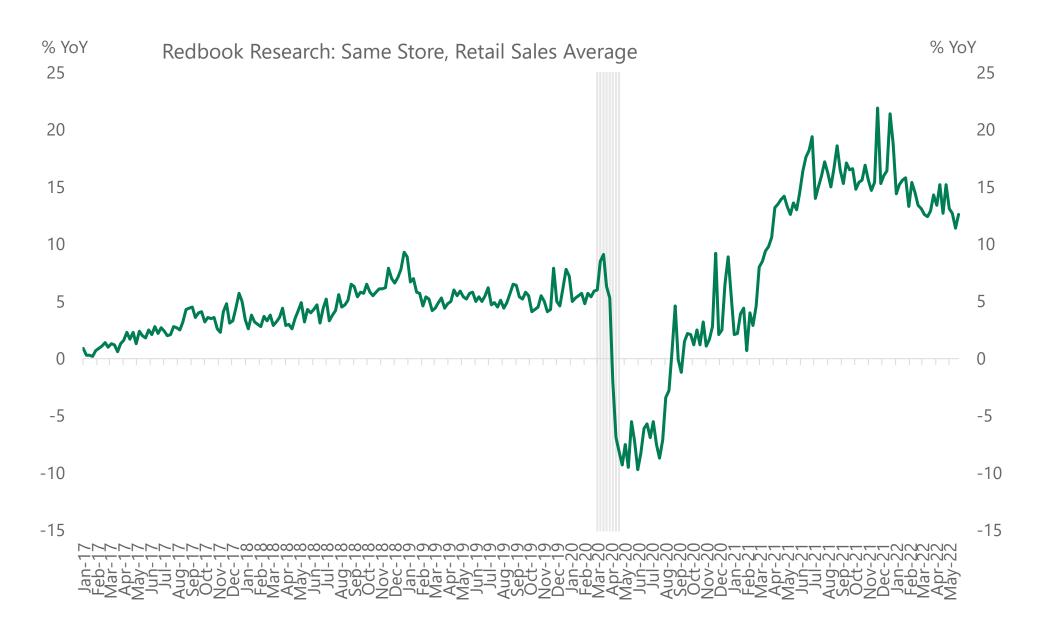
Source: FRB, Haver, Apollo Chief Economist

# Households have \$2.6trn in excess dry powder, saved during the pandemic



Note: Bloomberg, Apollo Chief Economist

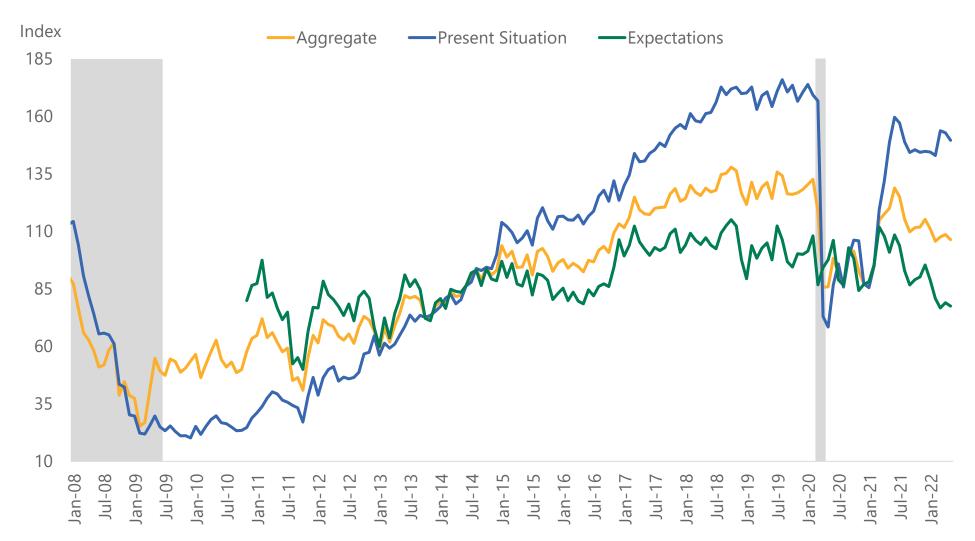
# Weekly data for same-store retail sales still high but trending lower



Source: Redbook, Haver Analytics, Apollo Chief Economist

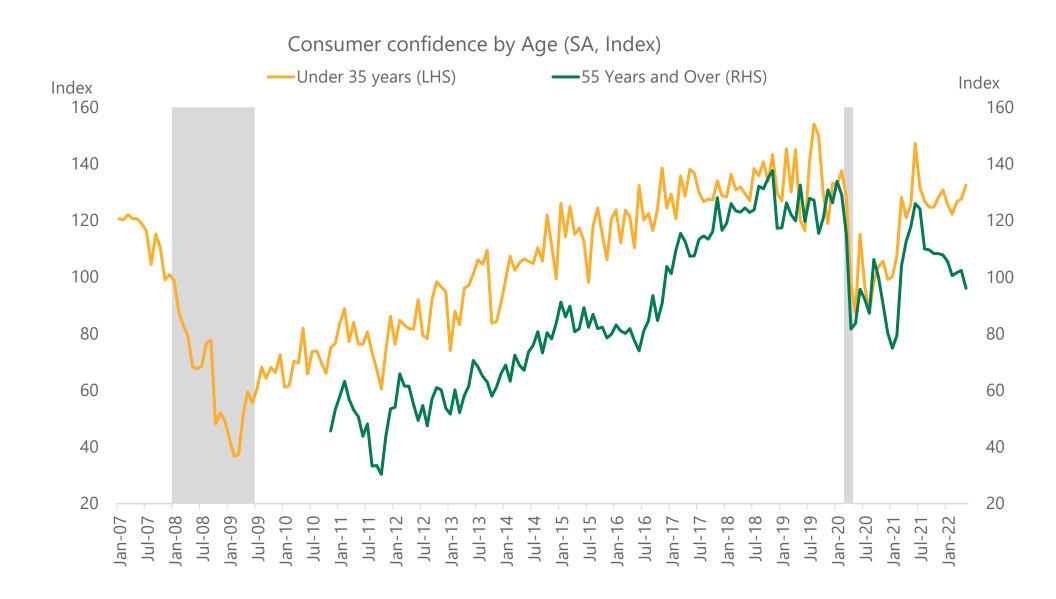
# Consumer confidence softening





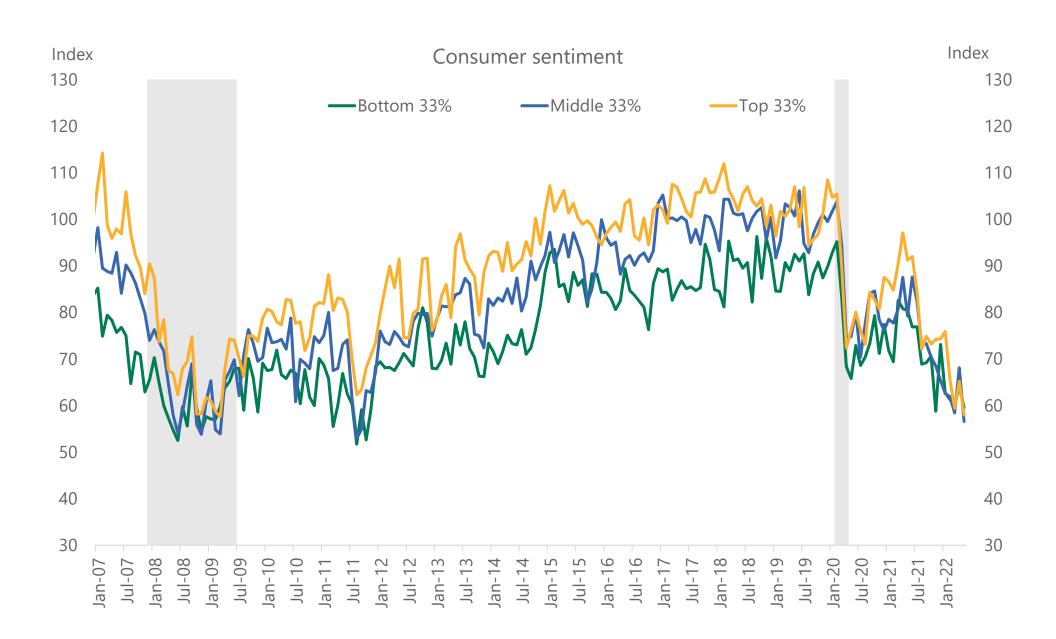
Source: Conference Board, Haver Analytics, Apollo Chief Economist

# Consumer confidence softening for older generations



Source: Conference Board, Haver Analytics, Apollo Chief Economist

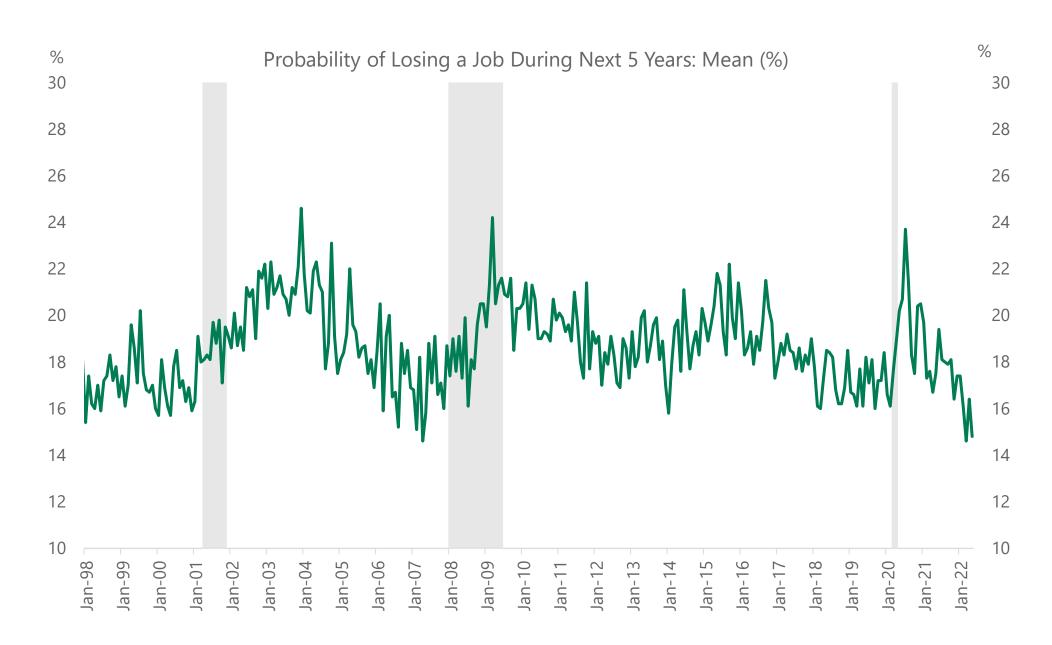
#### Consumer sentiment lower across the income distribution



Source: University of Michigan, Haver Analytics, Apollo Chief Economist

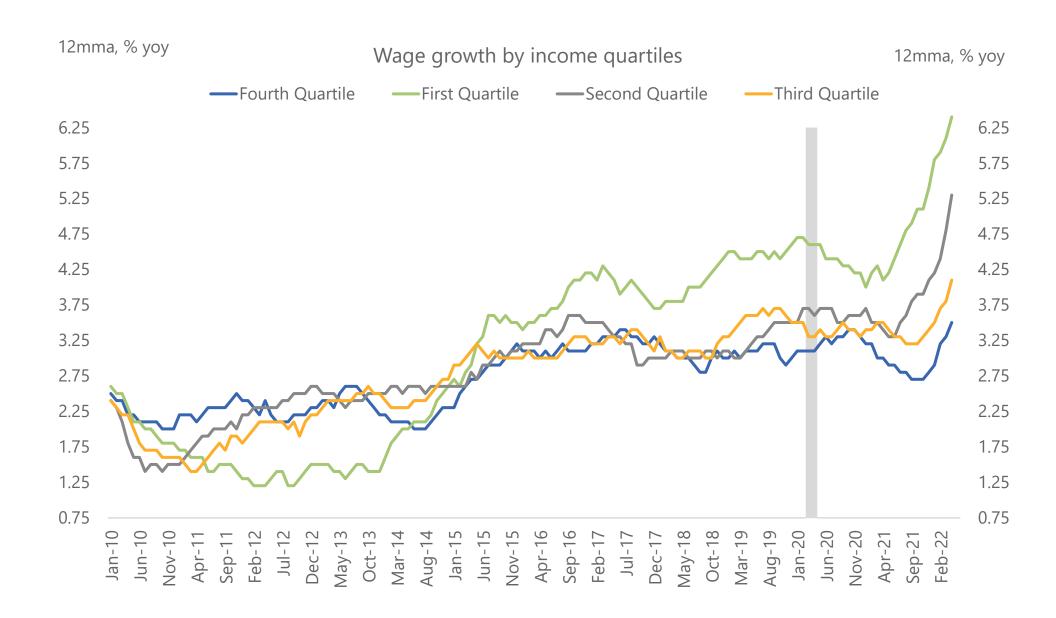


# Households not worried about losing their jobs



Source: University of Michigan, Haver Analytics, Apollo Chief Economist

# Wage growth high across all income quartiles



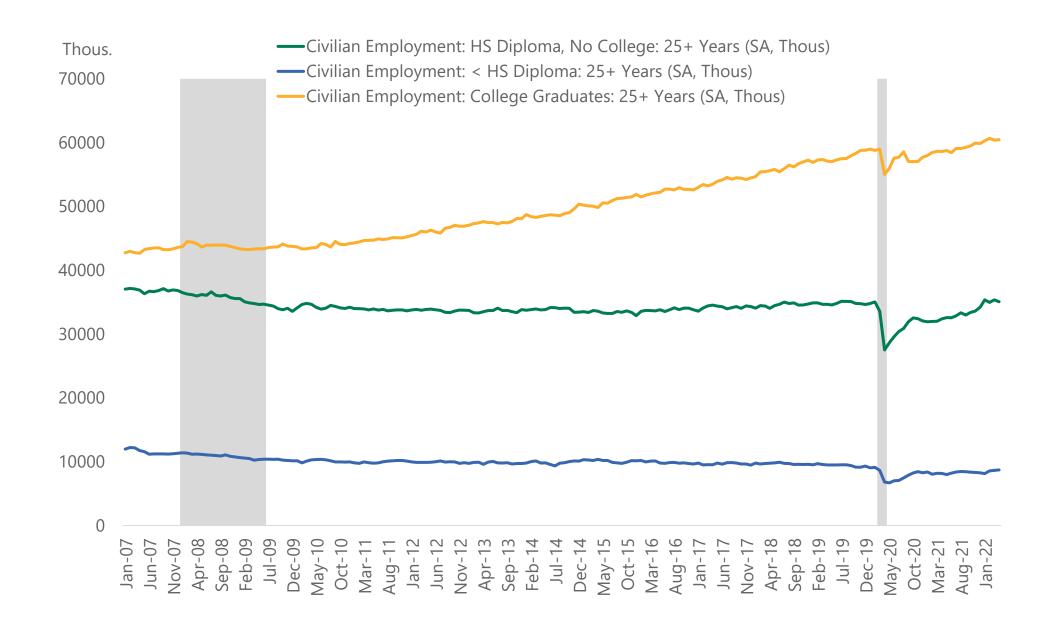
Source: Federal Reserve Bank of Atlanta, Haver, Apollo Chief Economist

# Wage inflation may have peaked



Source: BLS, Apollo Chief Economist. Note: Low wage workers are defined as the bottom third percentile in the wage distribution, mid wage workers as the mid third percentile and high wage workers as top third percentile

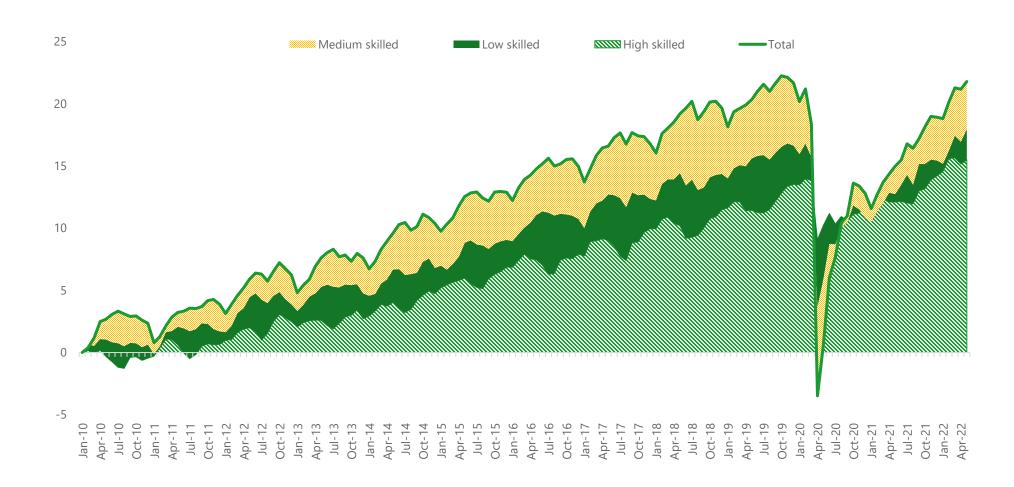
#### Employment for workers, by education



Source: BLS, Haver, Apollo Chief Economist

# Jobs regained since April 2020, by occupation





Source: BLS, Haver, Apollo Chief Economist

Note: High-skill occupational categories are management and financial operations and Professionals and related occupations, Medium-skill categories are sales and related occupations, office administrative support, construction, installation and repair, production occupations, and transportation and material moving; Low-skill categories are service occupations and farming, fishing, and forestry.



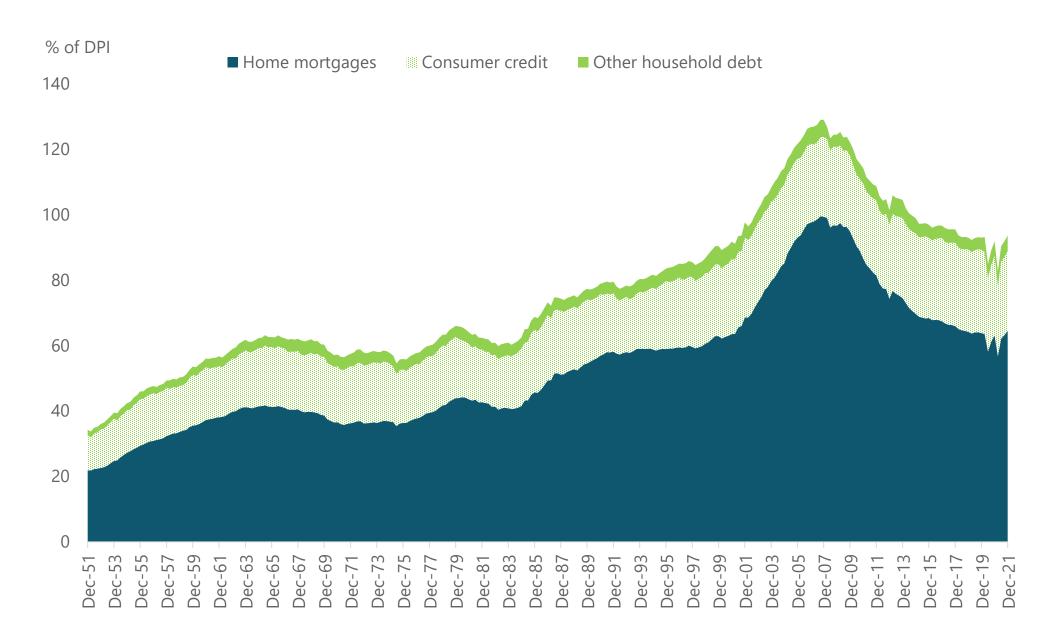
# Real income per capita below pre-pandemic trend. Driven by high inflation and fiscal drag



Source: BEA, Haver Analytics, Apollo Chief Economist



#### Household debt as a share of income has been declining since 2008



Source: FRB, Haver, Apollo Chief Economist

# Small improvement in consumer credit quality in April

Auto Loans							
+60 day delinquency rate							
	Apr. 2022	Mar. 2022	Apr. 2021	April 2019			
Super Prime	0.0%	0.0%	0.0%	0.0%			
Prime plus	0.0%	0.0%	0.0%	0.0%			
Prime	0.1%	0.1%	0.1%	0.1%			
Near prime	0.5%	0.5%	0.5%	0.4%			
Subprime	10.5%	11.2%	9.1%	6.8%			
Total	1.5%	1.6%	1.2%	1.1%			

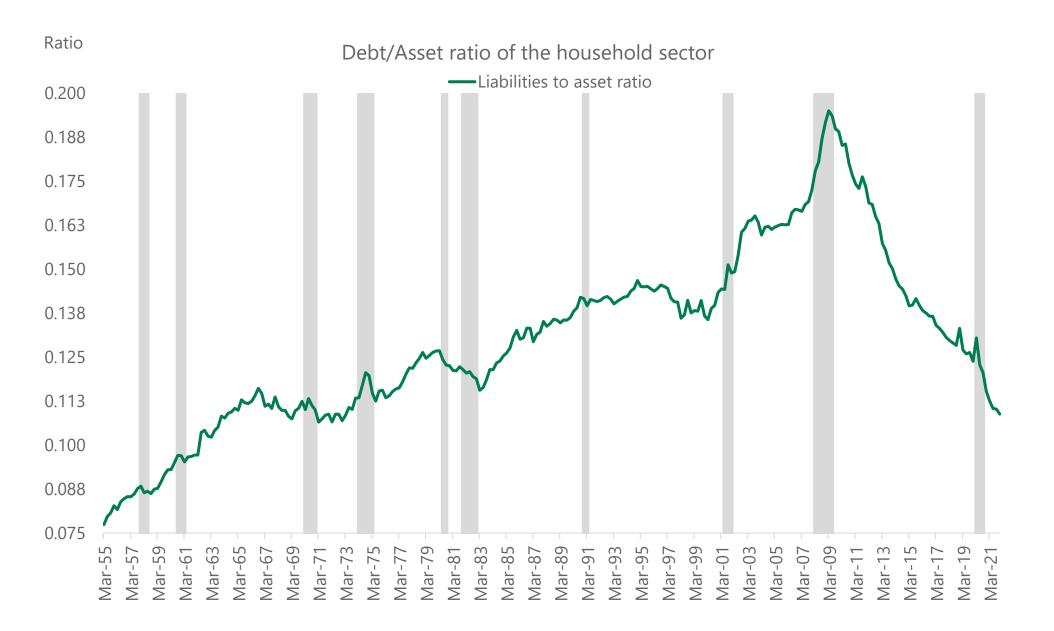
Credit Cards							
+90 day delinquency rate							
	Apr. 2022	Mar. 2022	Apr. 2021	April 2019			
Super Prime	0.00%	0.00%	0.00%	0.00%			
Prime plus	0.01%	0.01%	0.01%	0.01%			
Prime	0.17%	0.16%	0.14%	0.15%			
Near prime	0.96%	0.97%	0.93%	1.11%			
Subprime	16.3%	16.5%	14.3%	18.8%			
Total	1.55%	1.58%	1.11%	1.78%			

Mortgages								
Distribution of Delinquency								
	Apr. 2022	Mar. 2022	Apr. 2021	April 2019				
Current	96%	95.6%	96.5%	94.0%				
30-59 DPD	2.1%	2.3%	1.7%	3.2%				
60-89 DPD	1.1%	1.2%	1.0%	1.6%				
90+	0.7%	0.8%	0.7%	0.9%				
Foreclosure	0.1%	0.1%	0.1%	0.2%				

Source: Transunion Monthly Industry Snapshot, Apollo Chief Economist

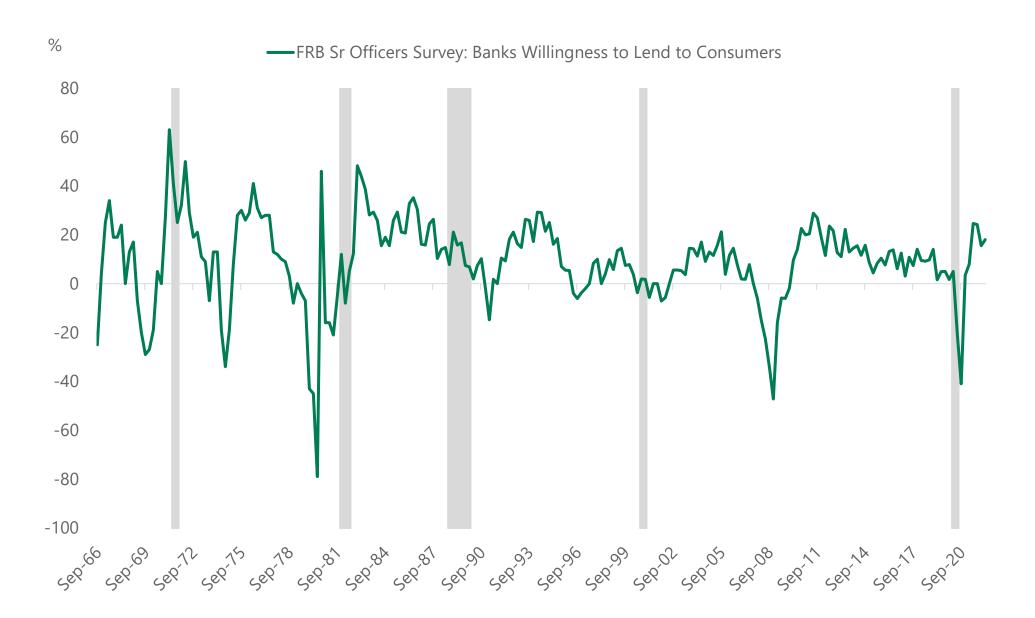


### Household liabilities to assets trending lower



Source: FRB, Haver, Apollo Chief Economist

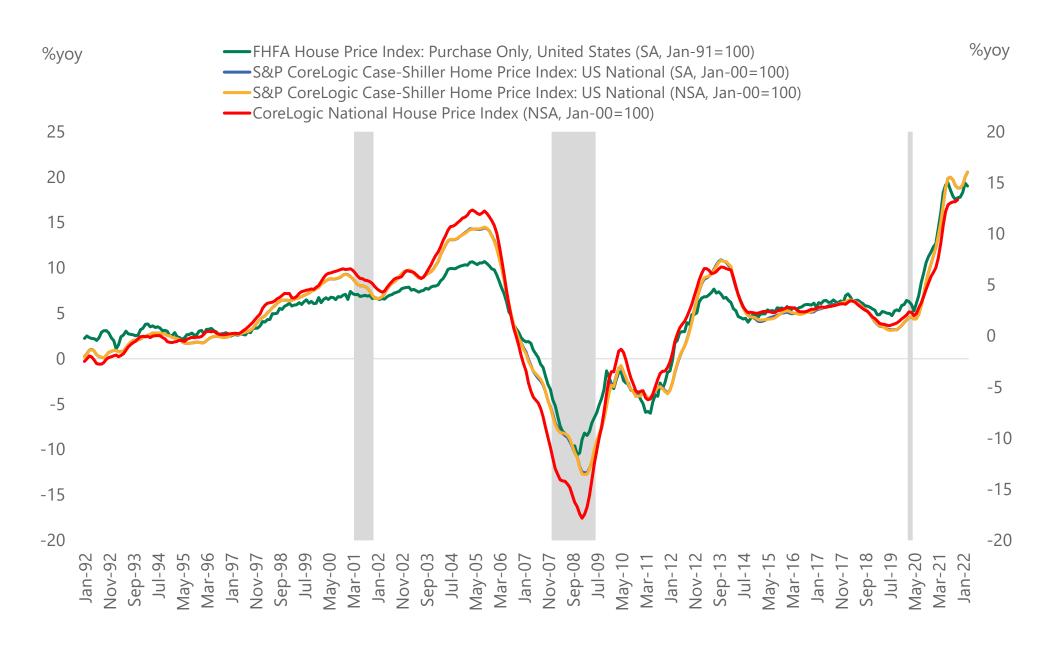
# Banks more willing to lend to consumers



Source: FRB, Haver, Apollo Chief Economist

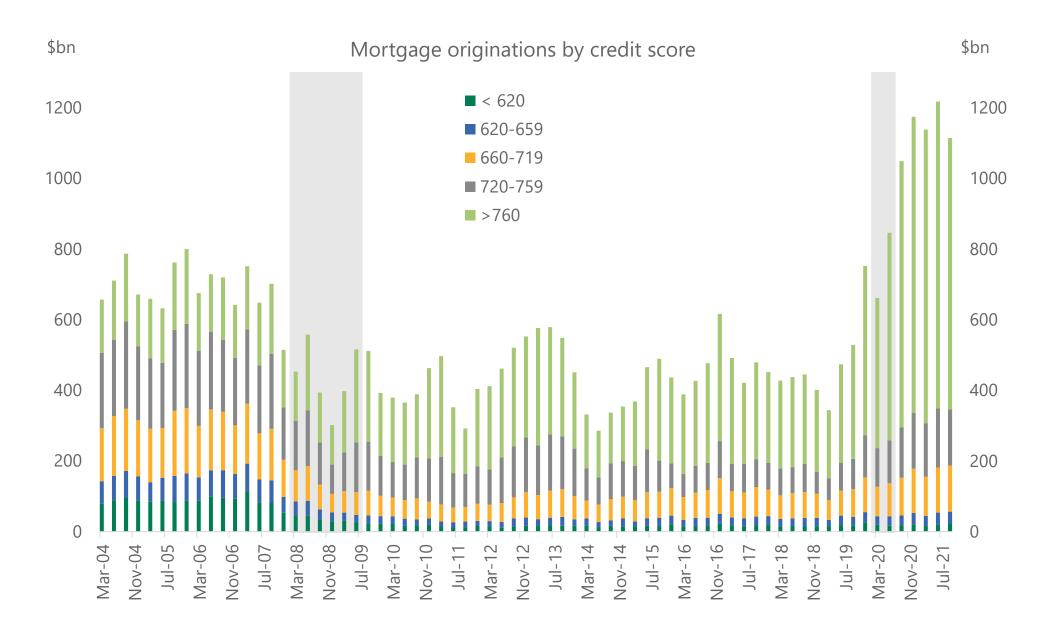


# Strong US home price inflation during the pandemic



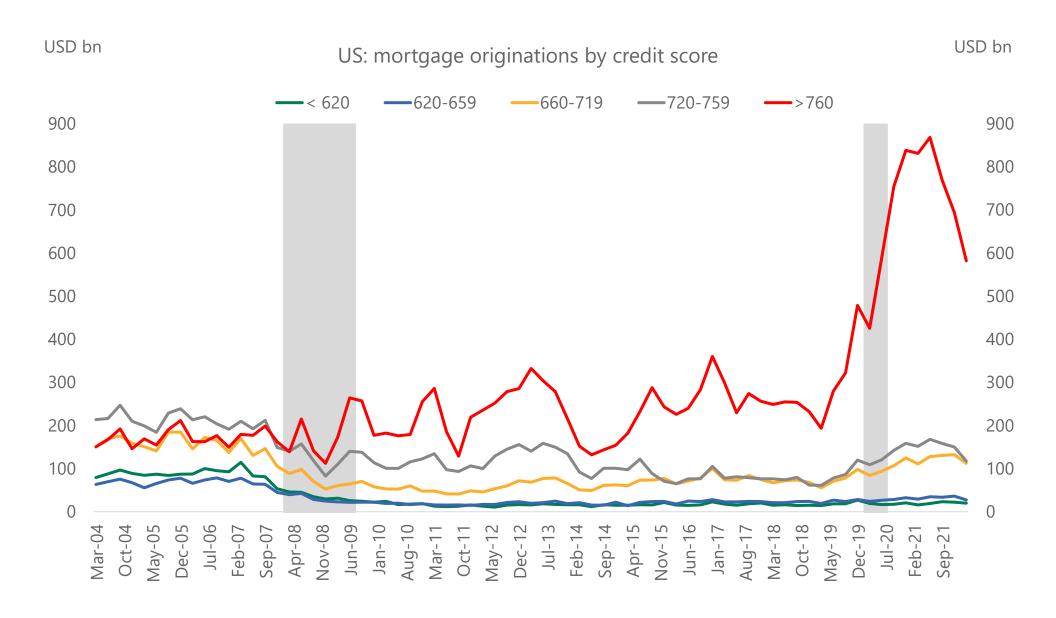
Source: Haver, Apollo Chief Economist

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



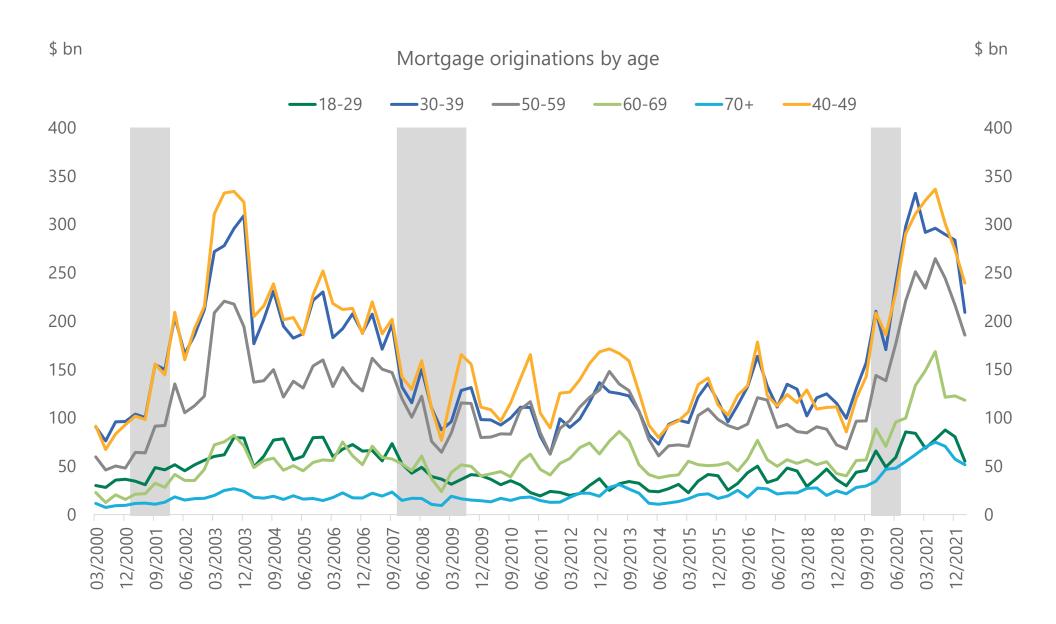
Source: FRBNY Consumer Credit Panel, Equifax, Haver Analytics, Apollo Chief Economist.

### US mortgage credit originations by credit score



Source: FRBNY Consumer Credit Panel, Equifax, Haver Analytics, Apollo Chief Economist.

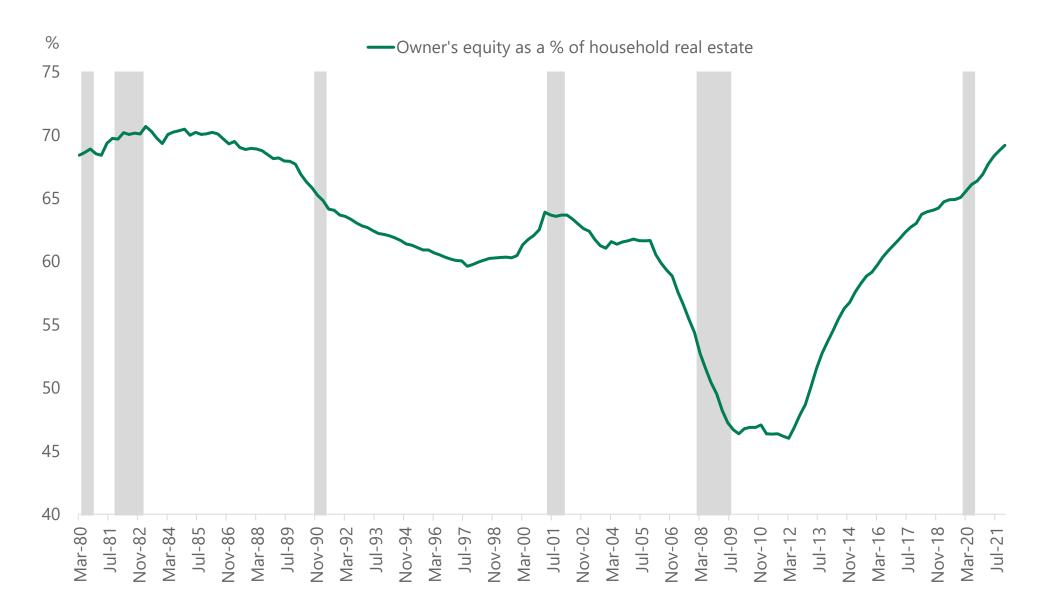
### Mortgage origination falling across age groups



Source: NY Fed, Bloomberg, Apollo Chief Economist

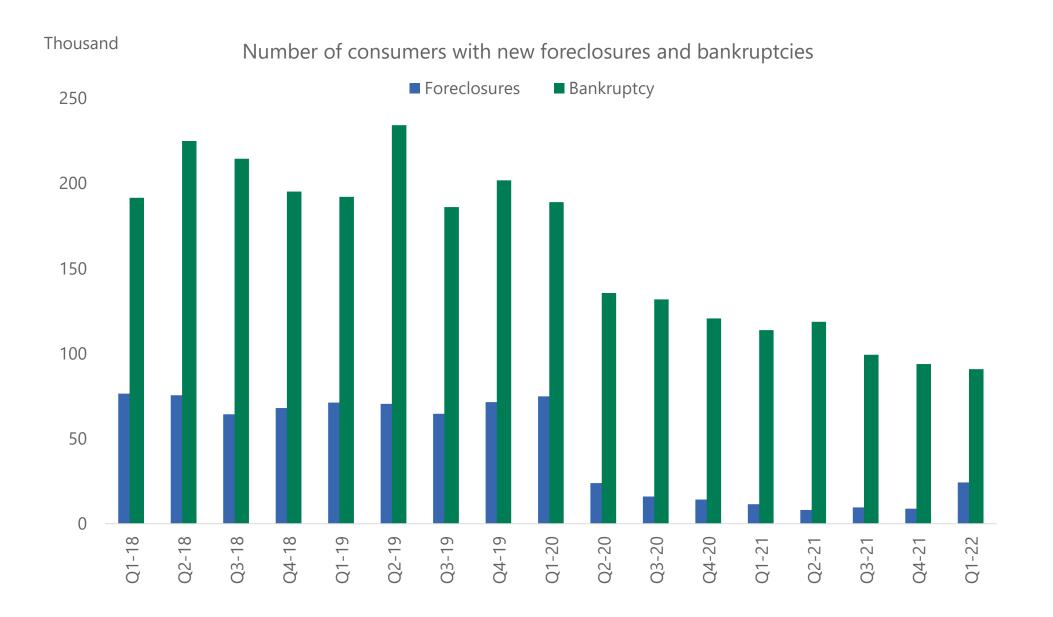


# Households have less debt in their homes: Homeowner's equity at highest level in decades



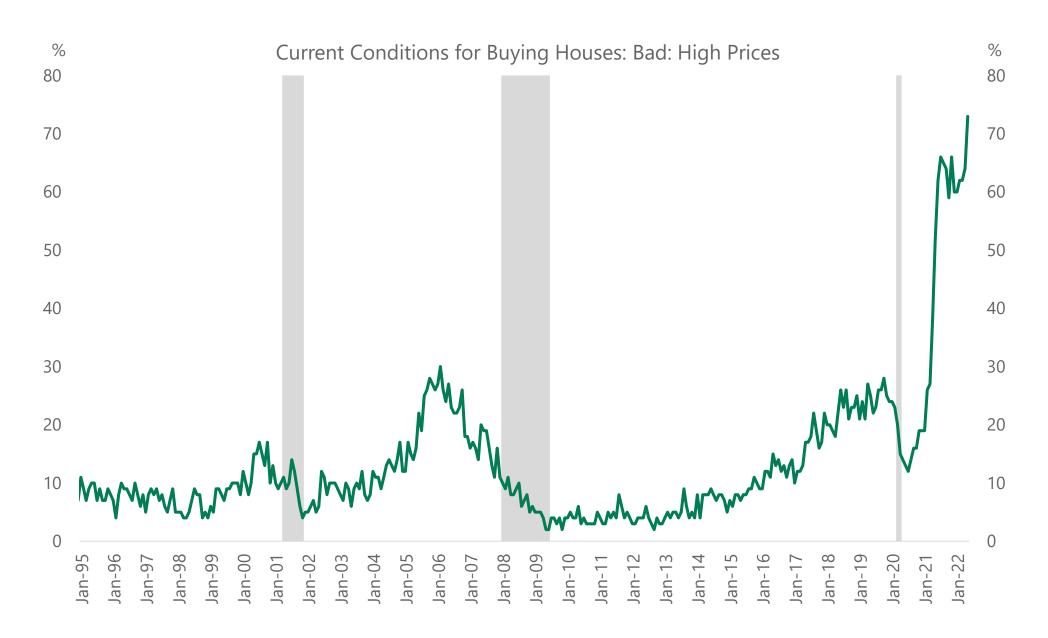
Source: FRB, Haver Analytics, Apollo Chief Economist

# Foreclosures starting to rise, bankruptcies still declining



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

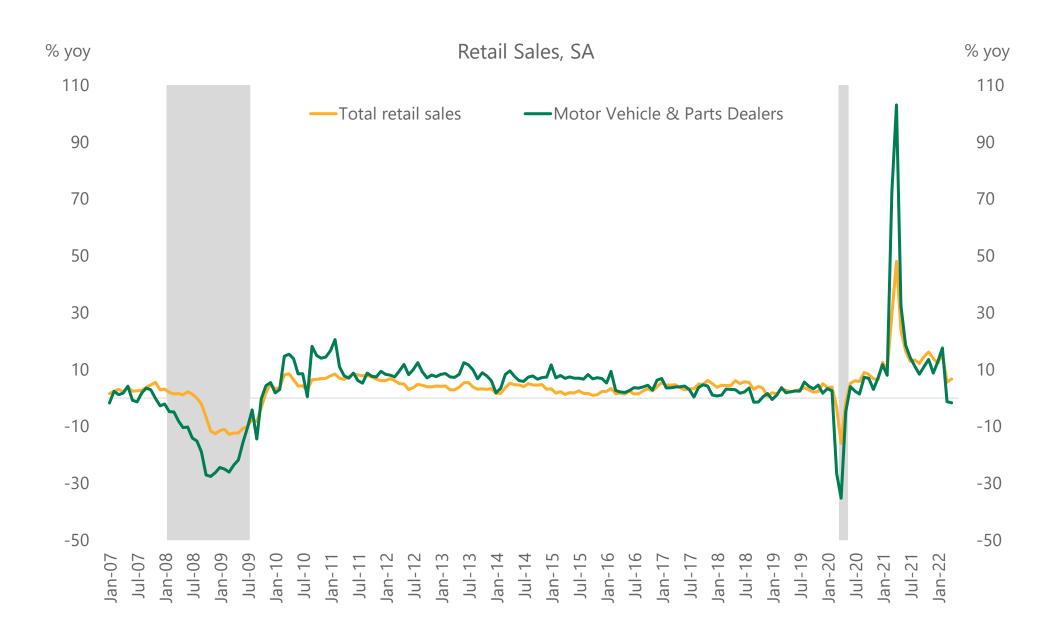
### Consumers are worrying about high home prices



Source: University of Michigan, Haver Analytics, Apollo Chief Economist

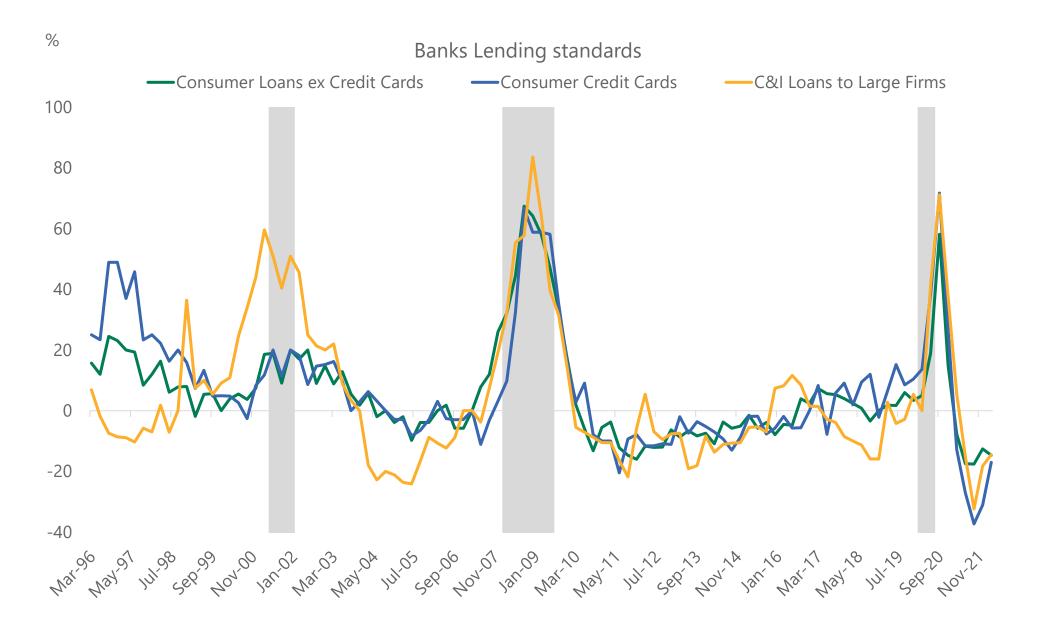


# Motor vehicle sales affected by high car prices

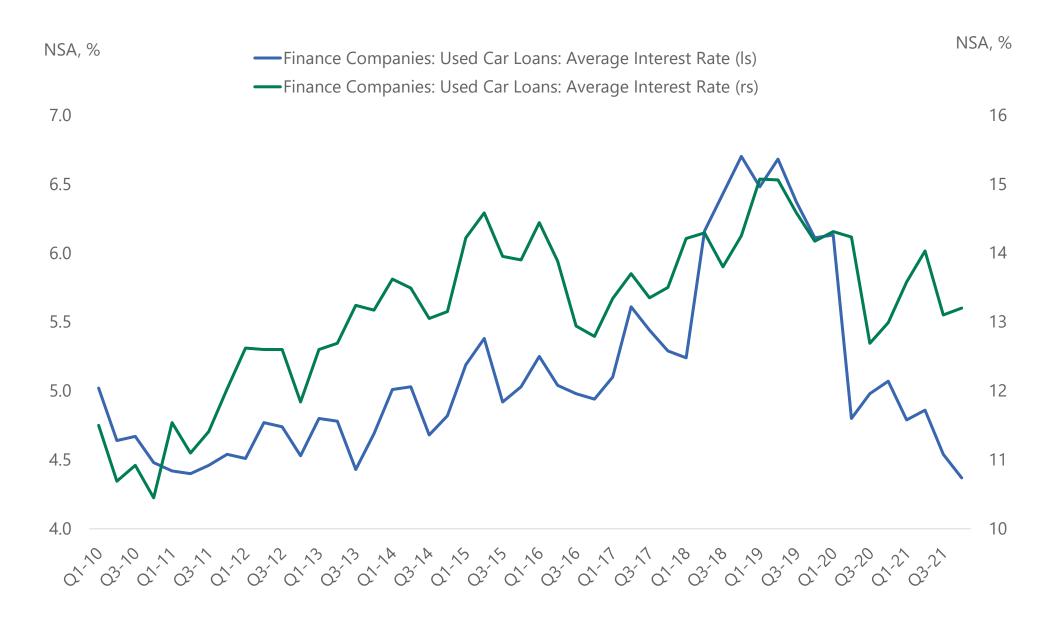


Source: Census Bureau, Apollo Chief Economist

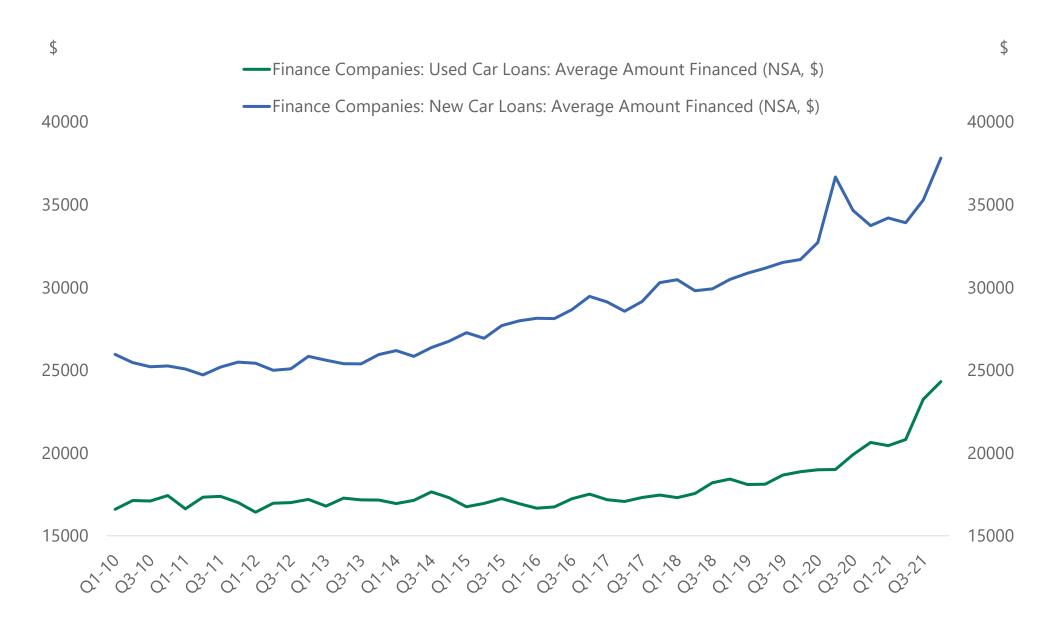
### Lending standards still easing



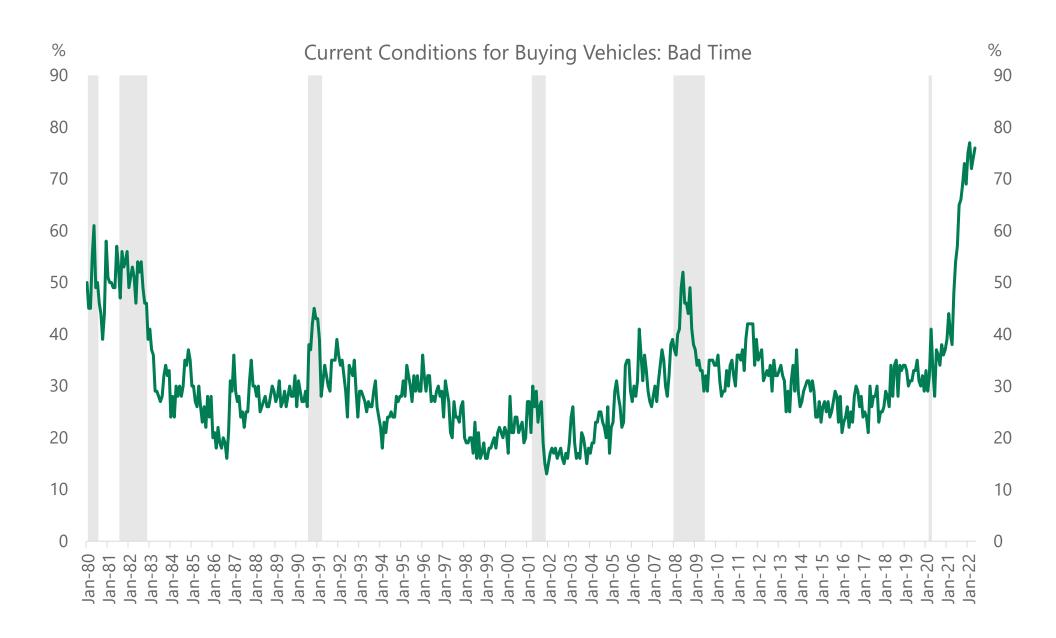
#### Interest rates on auto loans for new and used cars



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

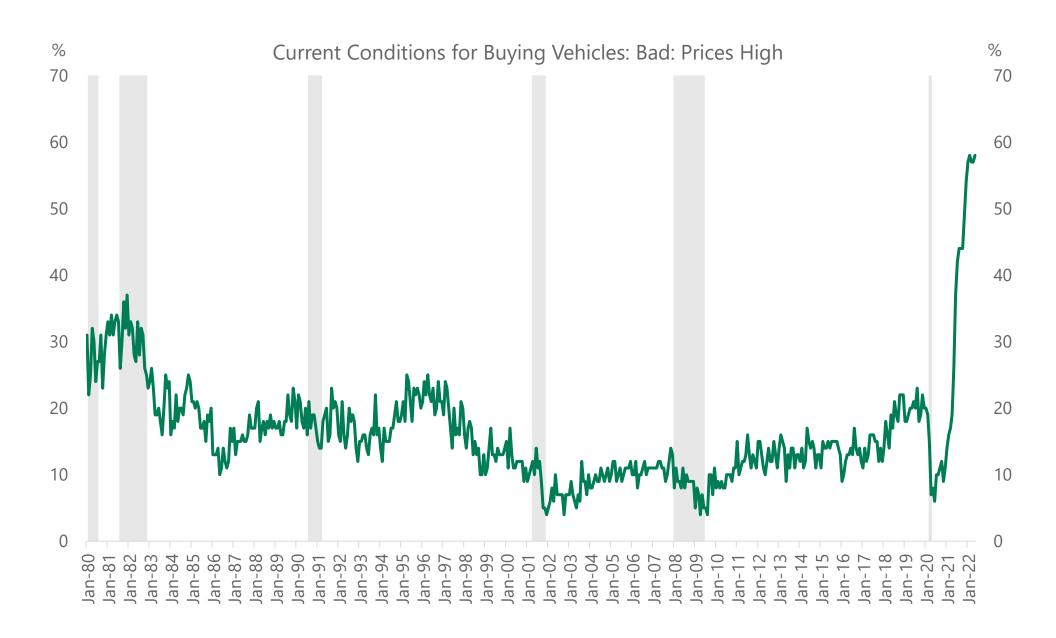


### Sentiment softening for car buyers



Source: University of Michigan, Haver Analytics, Apollo Chief Economist

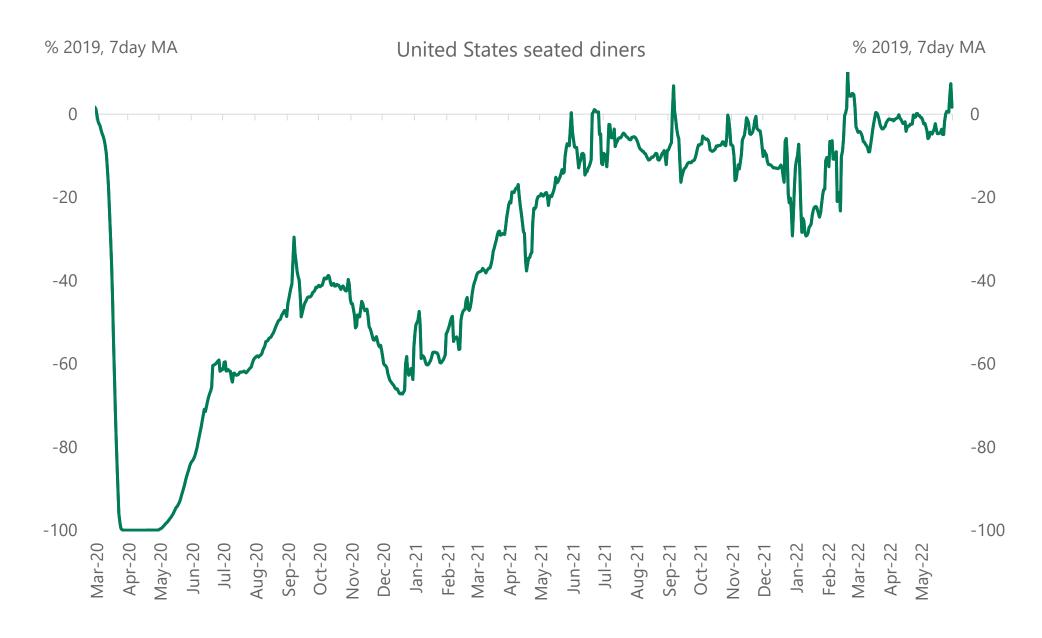
### High car prices having negative impact



Source: University of Michigan, Haver Analytics, Apollo Chief Economist



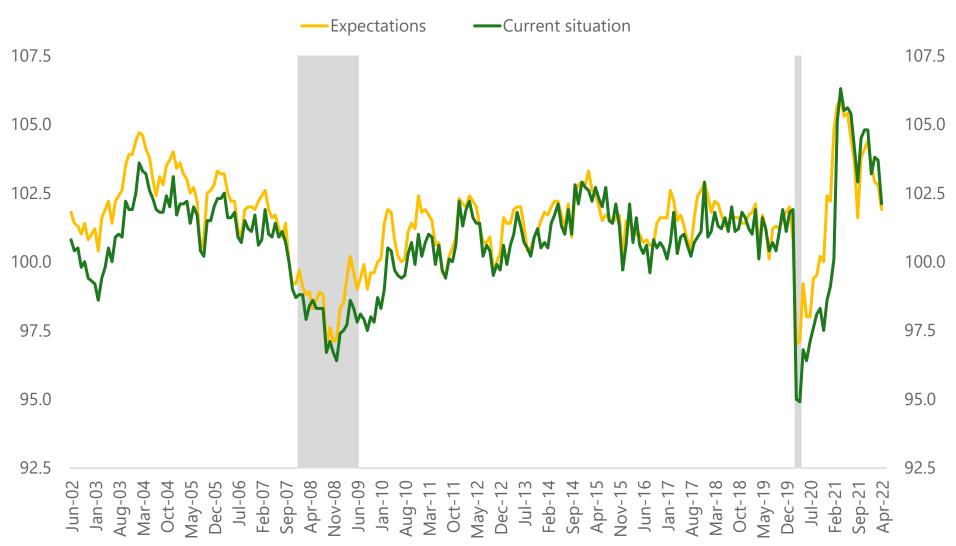
### United States restaurant bookings



Source: OpenTable, Apollo Chief Economist

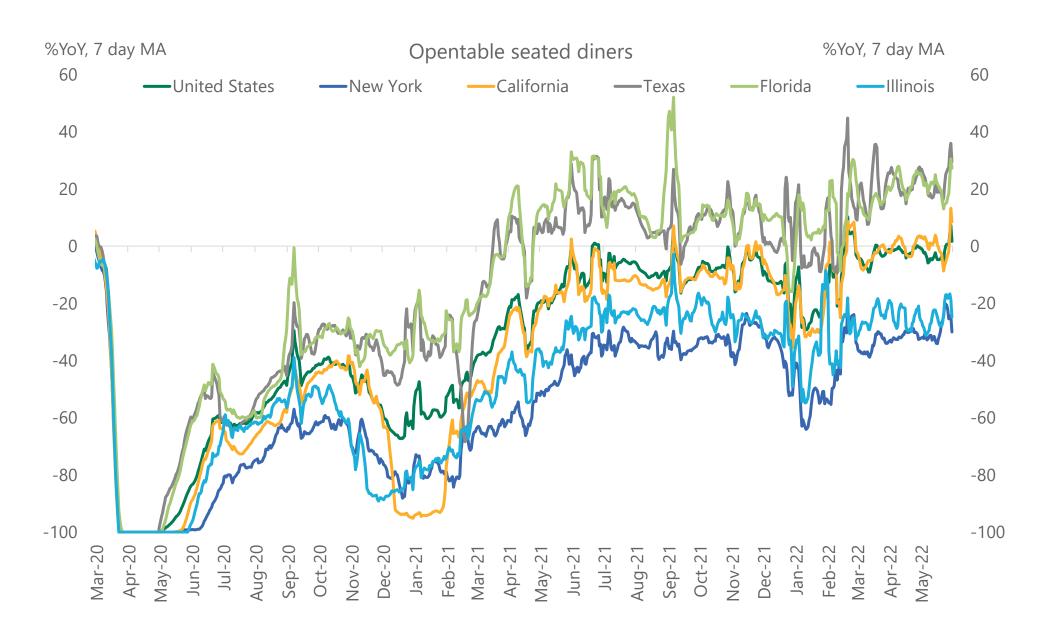
### Restaurant demand weakening from high level





Source: National Restaurant Association, Haver, Apollo Chief Economist

### Some difference between NY and Texas/Florida restaurant bookings



Source: OpenTable, Apollo Chief Economist

### Employment in restaurants and bars

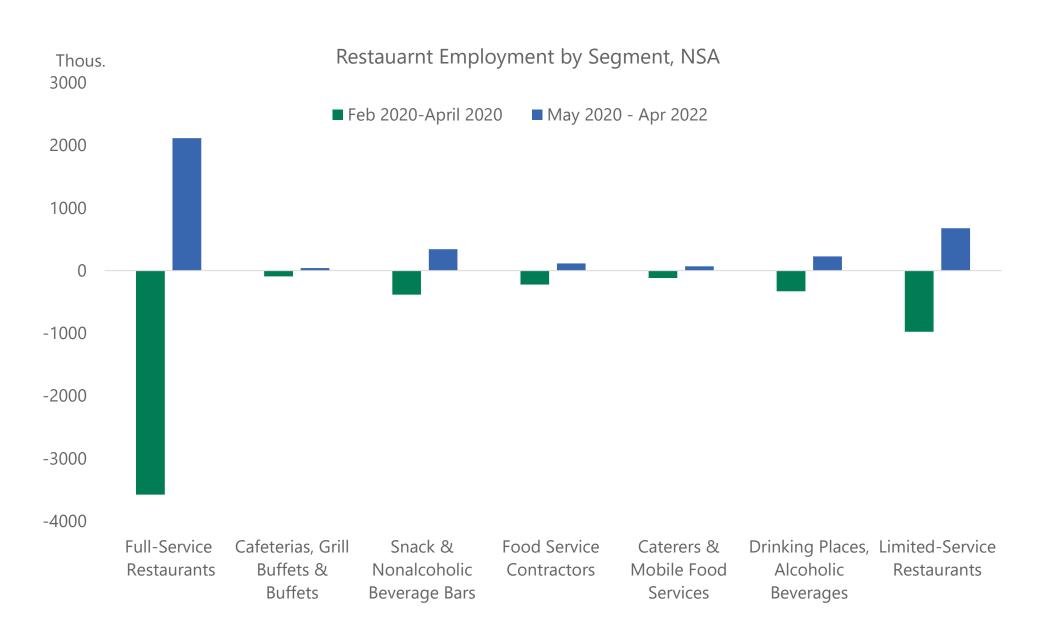




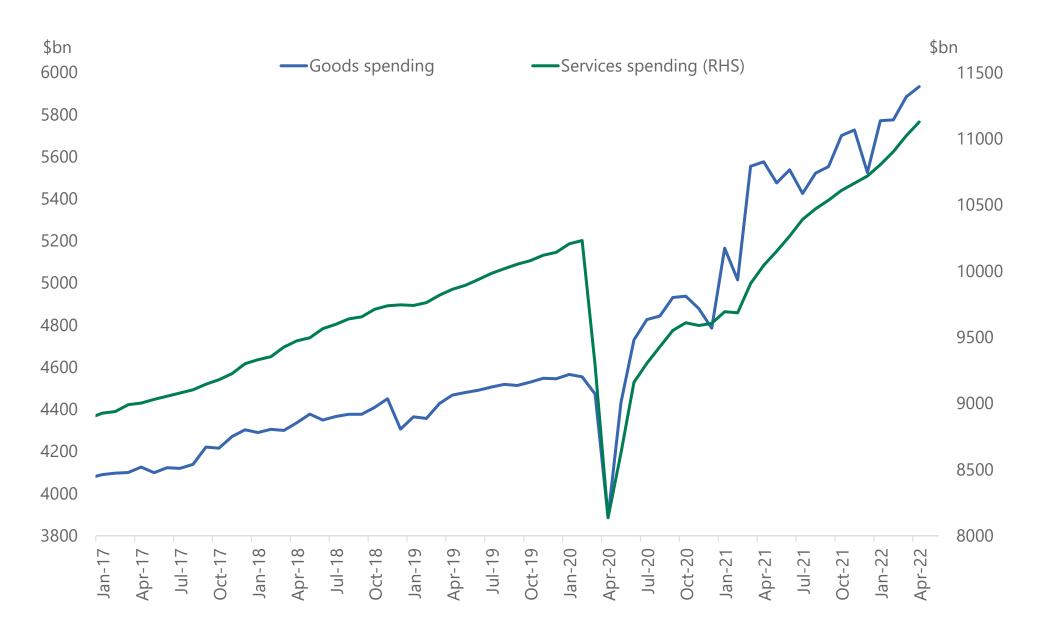
### Hiring at Eating and Drinking places



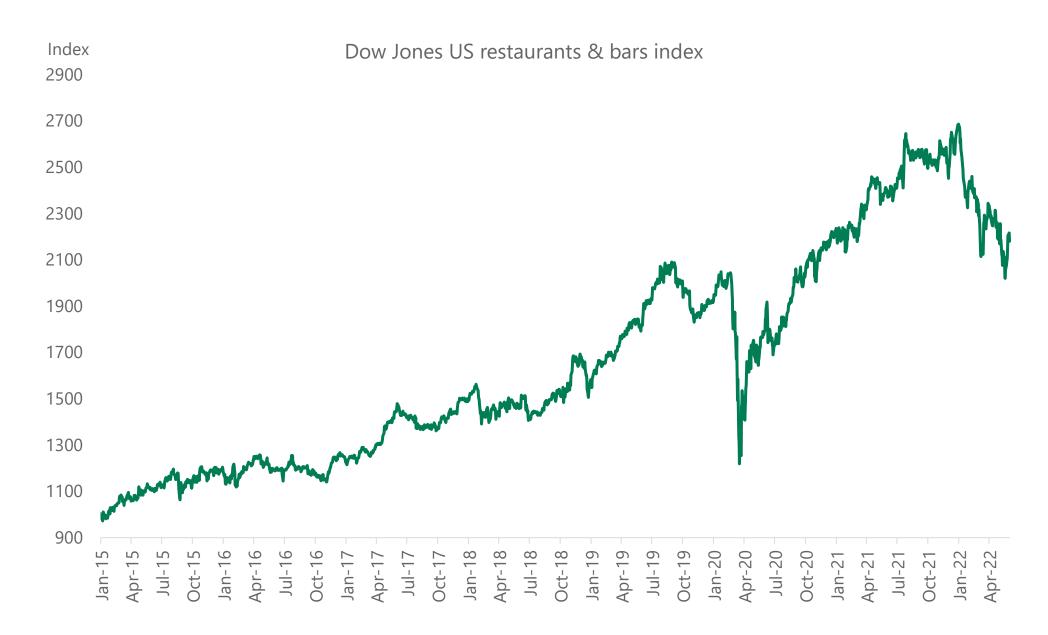
### Growth in restaurant employment by type of restaurant



### Service sector spending has rebounded to pre-pandemic levels



#### Stock market: Restaurants and bars

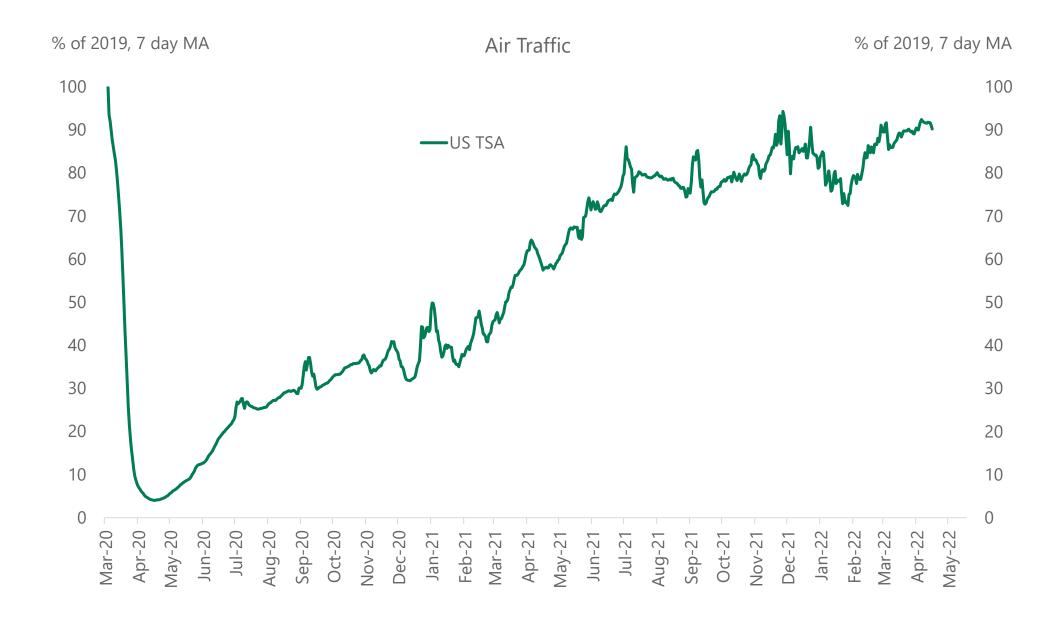


Source: Bloomberg, Apollo Chief Economist



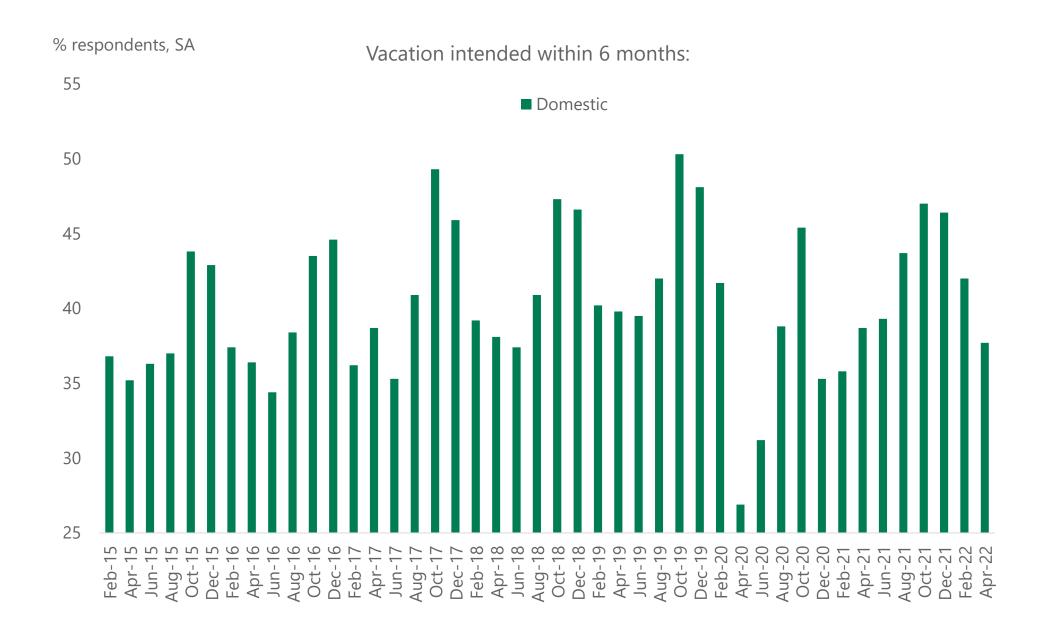


### TSA: US air travel still strong

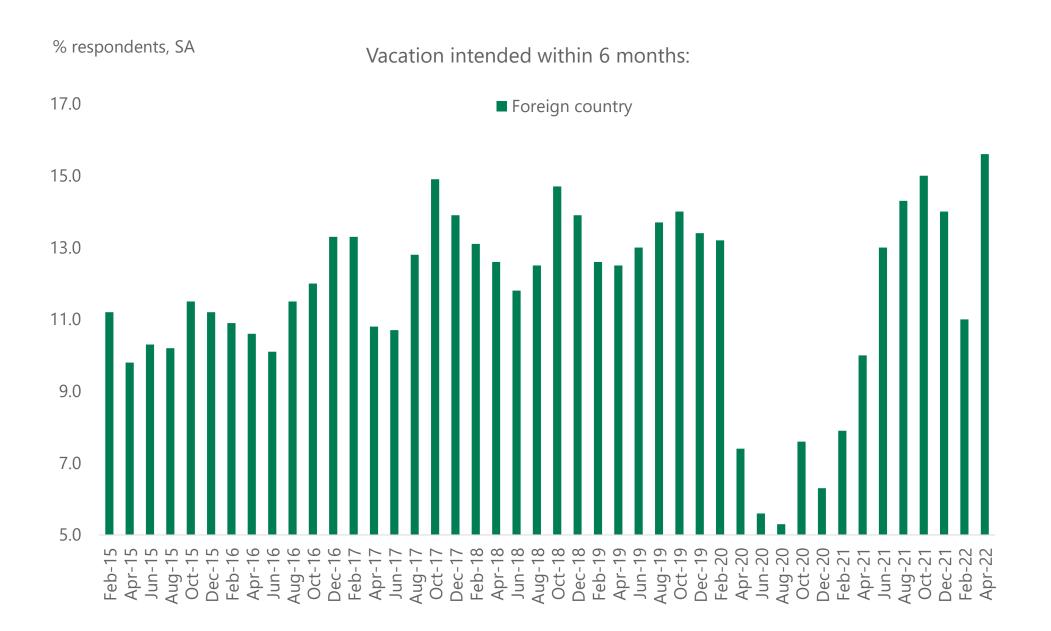


Source: TSA, Apollo Chief Economist

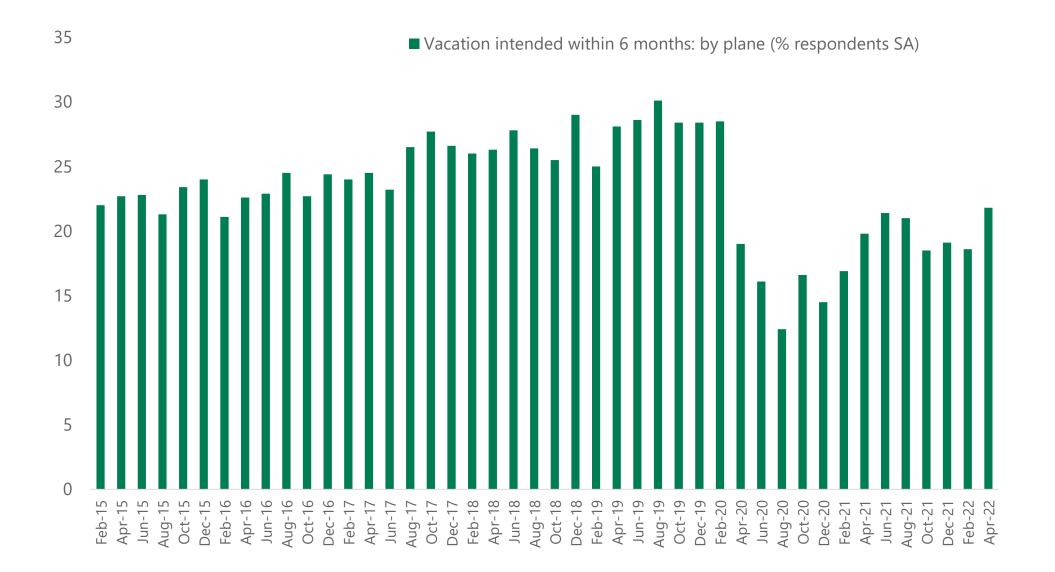
#### Vacation intentions: Within the US



### Vacation intentions to a foreign country above pre-pandemic levels



### Vacation intentions: By plane



### Vacation intentions: By car



### Air travel coming back



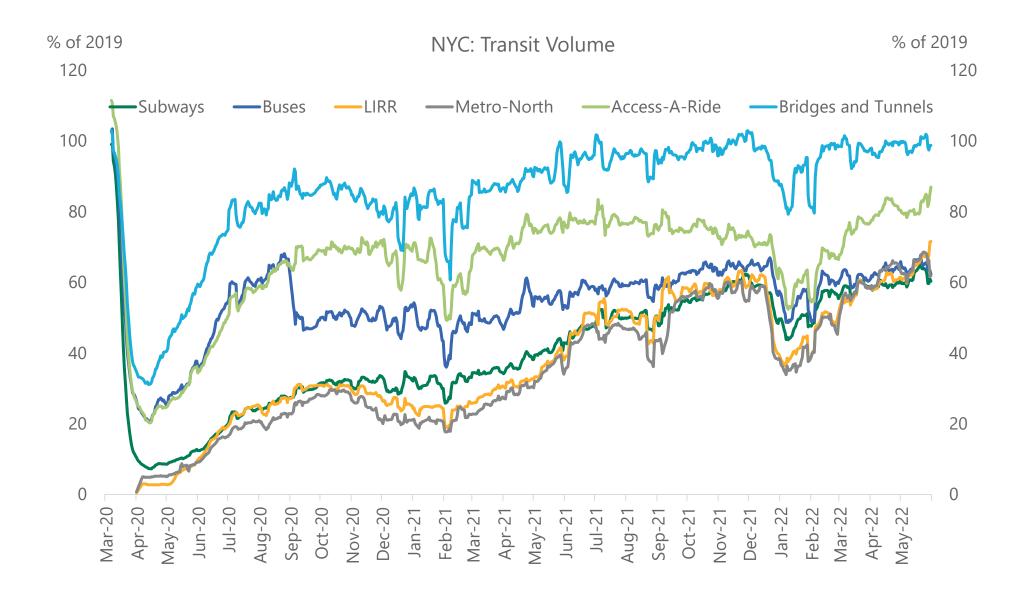
Source: TSA, Apollo Chief Economist

### Las Vegas visitor volumes near 2019 levels

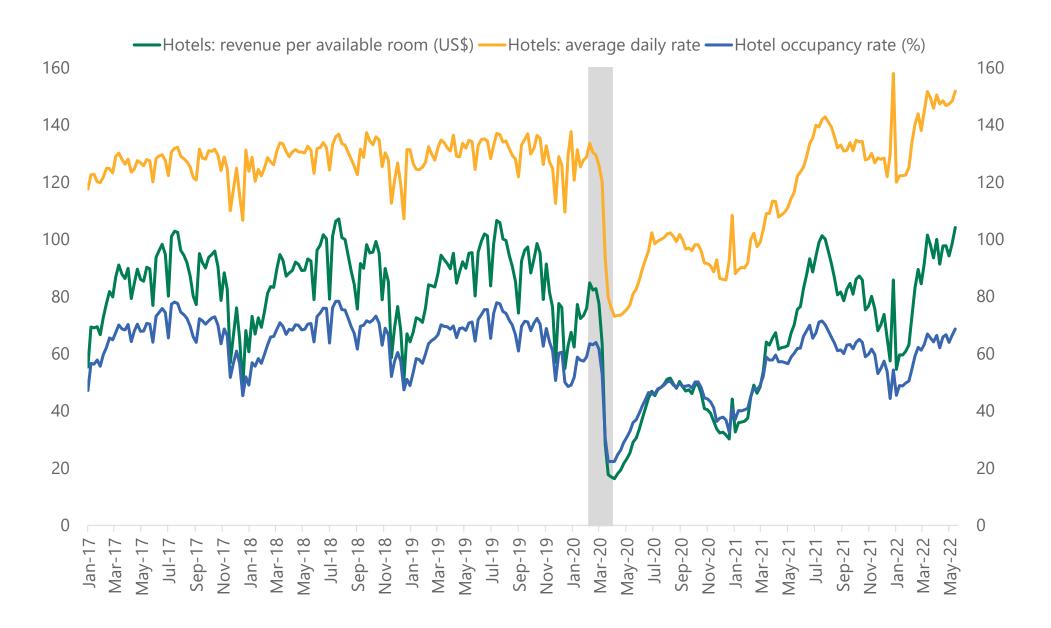


Source: Las Vegas Convention and Visitors Authority, Apollo Chief Economist

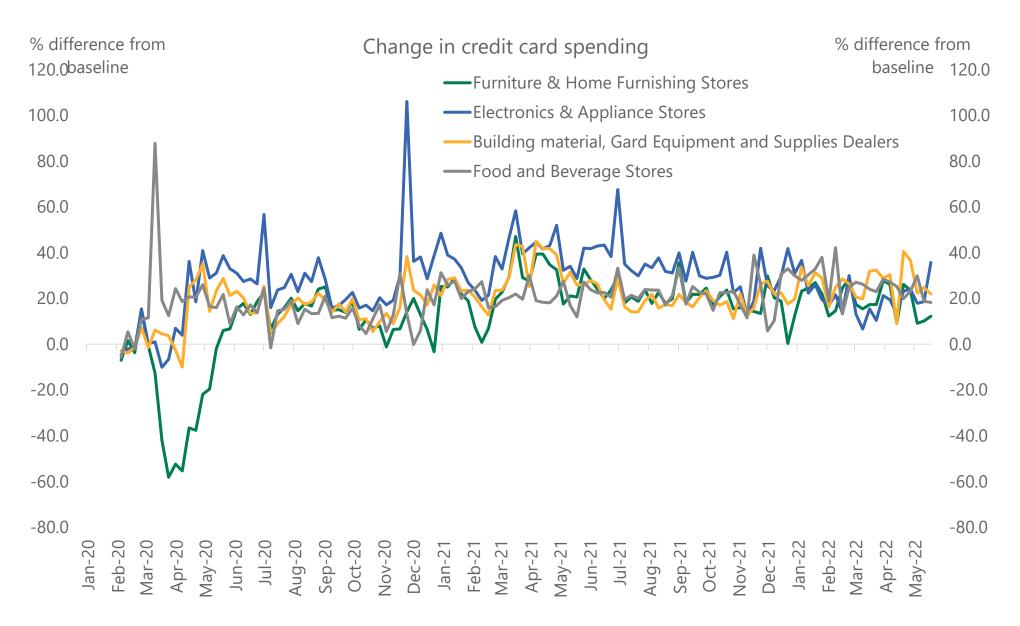
# New York City mobility indicators



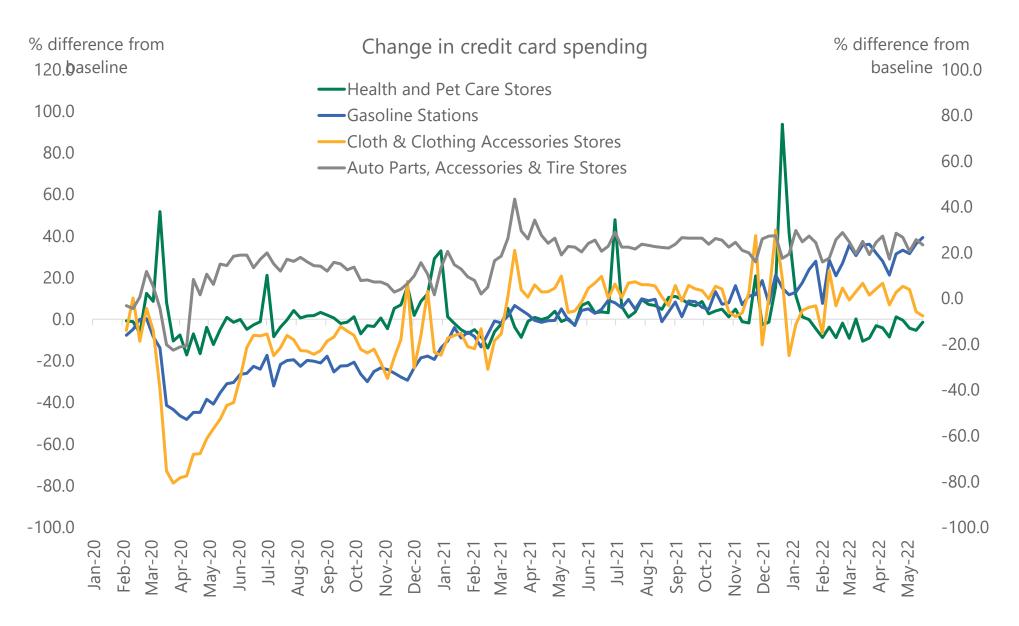
### Hotel data still strong



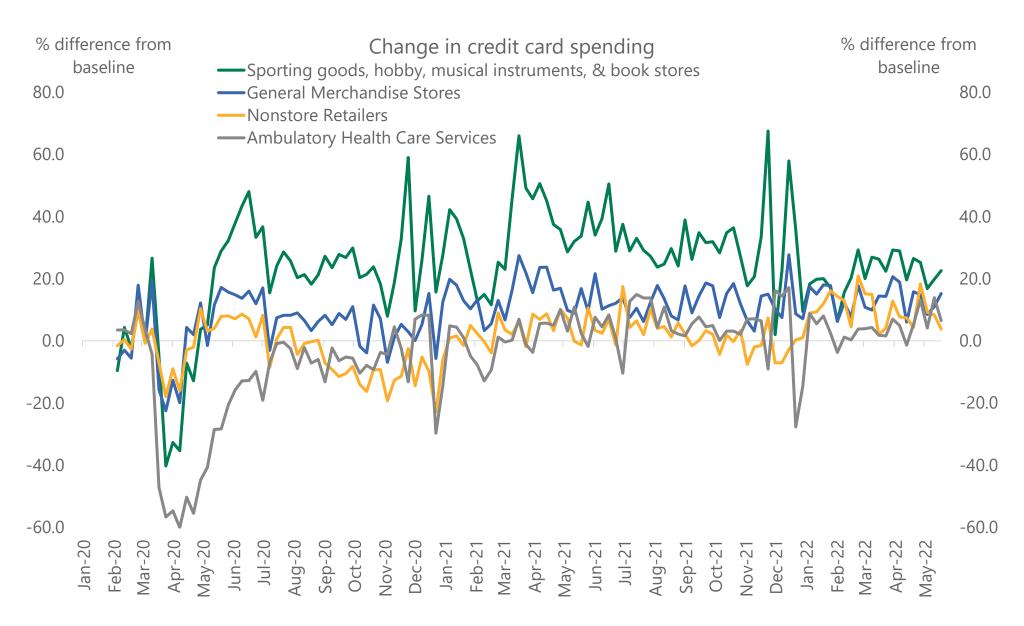




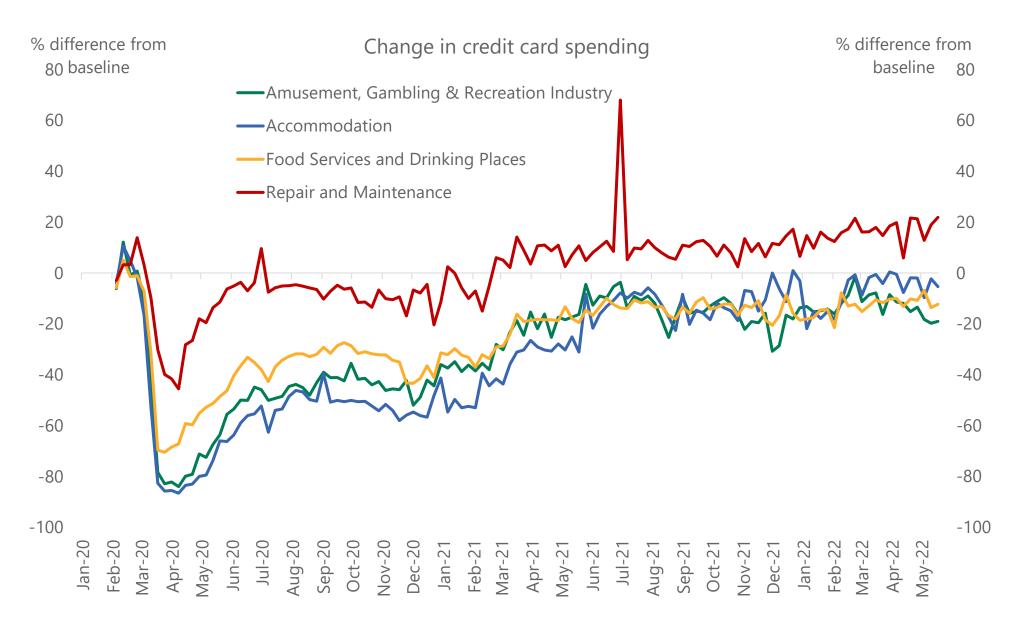




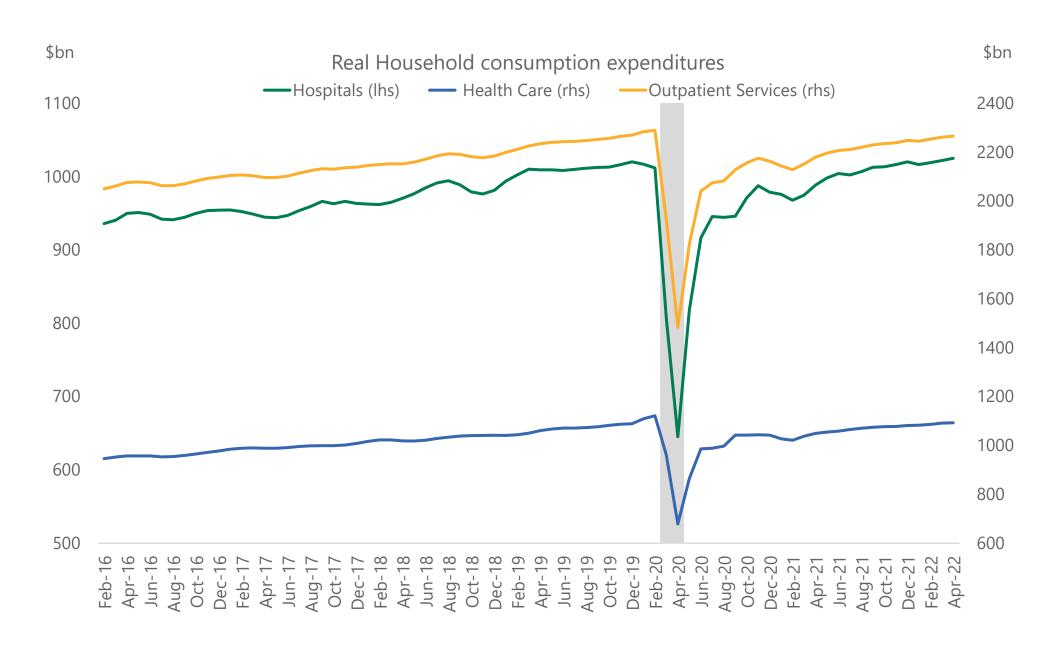




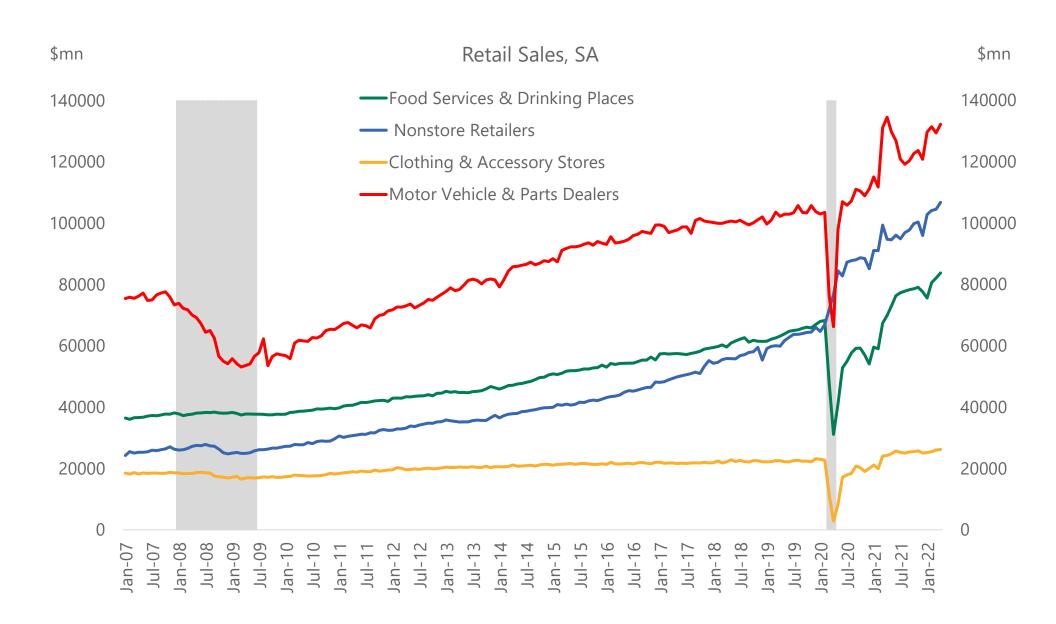




### Health care spending approaching pre-pandemic levels

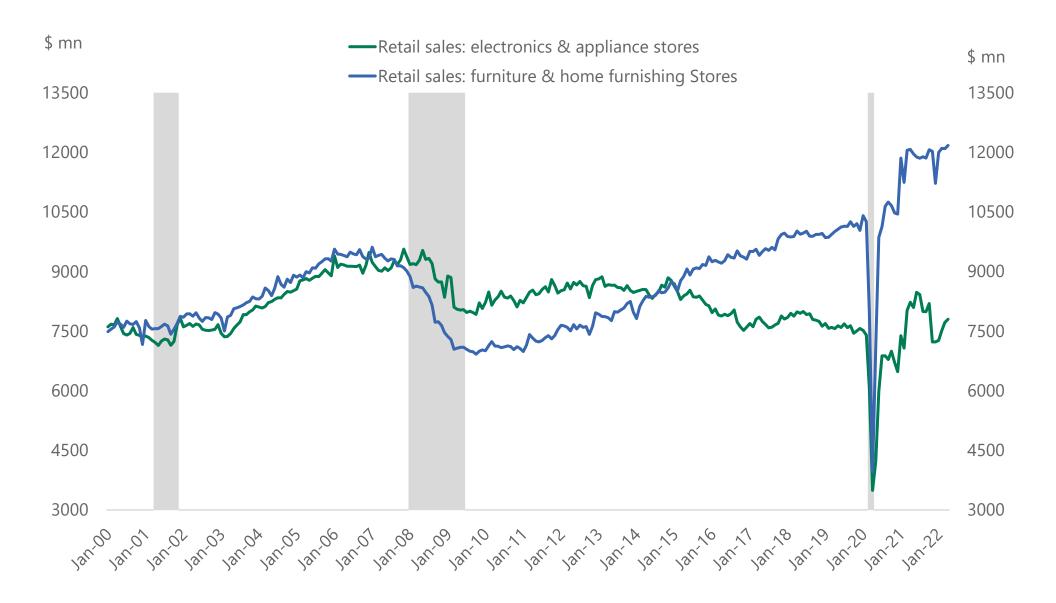


### Retail sales across different spending categories



Source: Census Bureau, Haver, Apollo Chief Economist

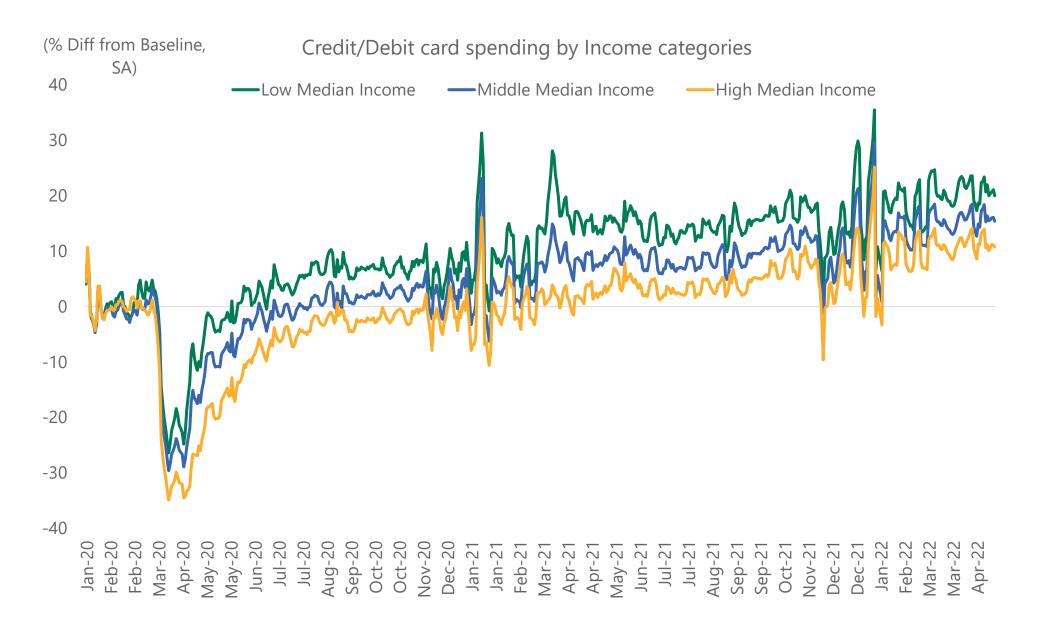
### Sales of Furniture and Electronics and appliances



Source: Census Bureau, Haver, Apollo Chief Economist

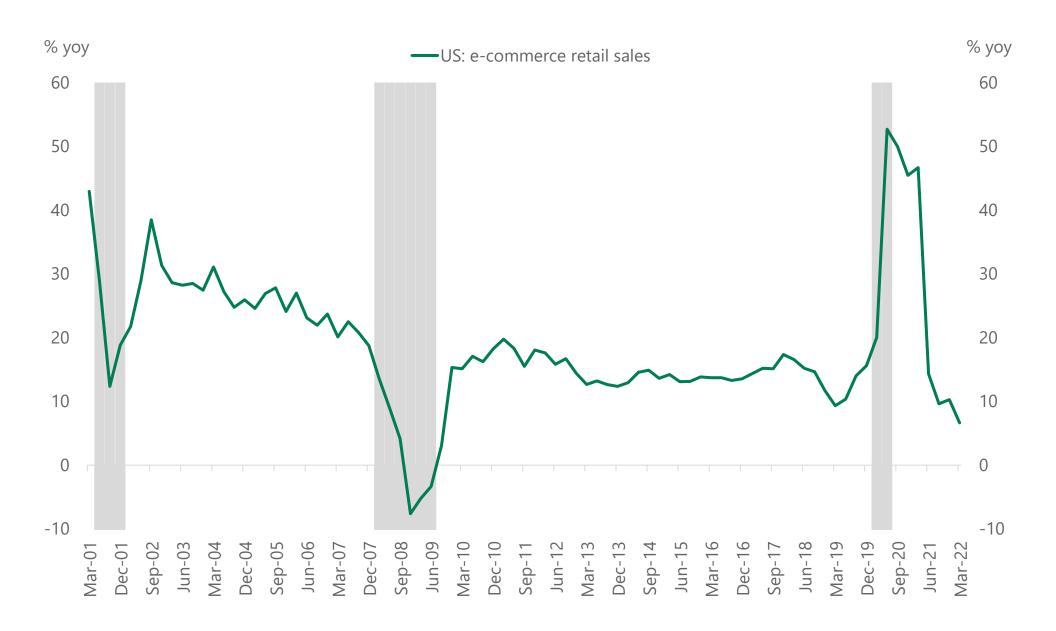


### Consumer spending above pre-covid levels across income groups



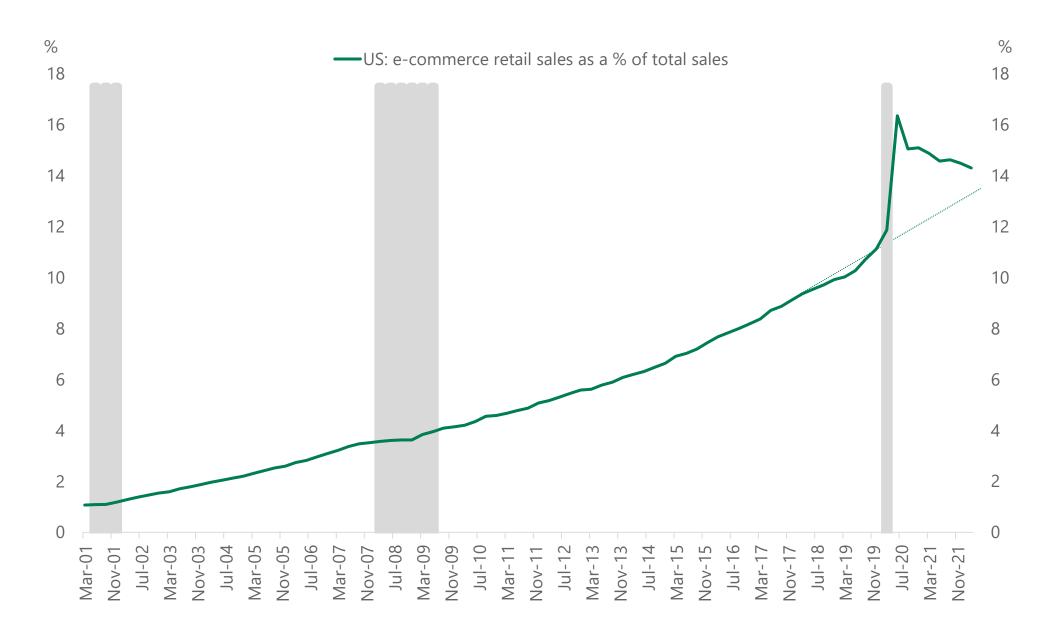
Source: Affinity Solutions via Opportunity Insights, Haver, Apollo Chief Economist

### E-commerce sales softening



Source: Census Bureau, Haver, Apollo Chief Economist

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



Source: Census Bureau, Haver, Apollo Chief Economist

# Conclusions

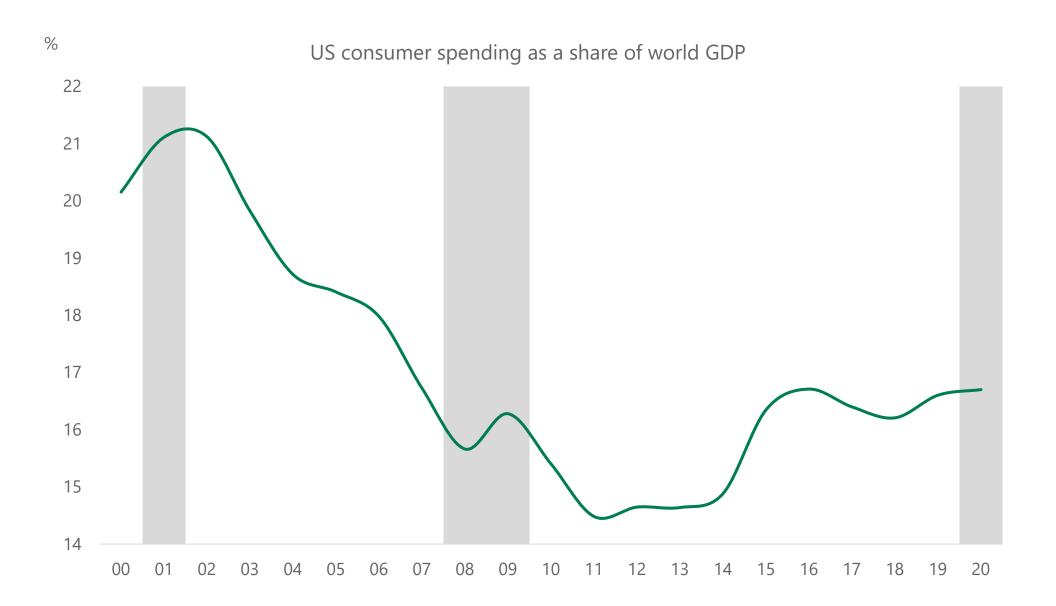
# **Key conclusions**

Consumer spending growth will remain 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

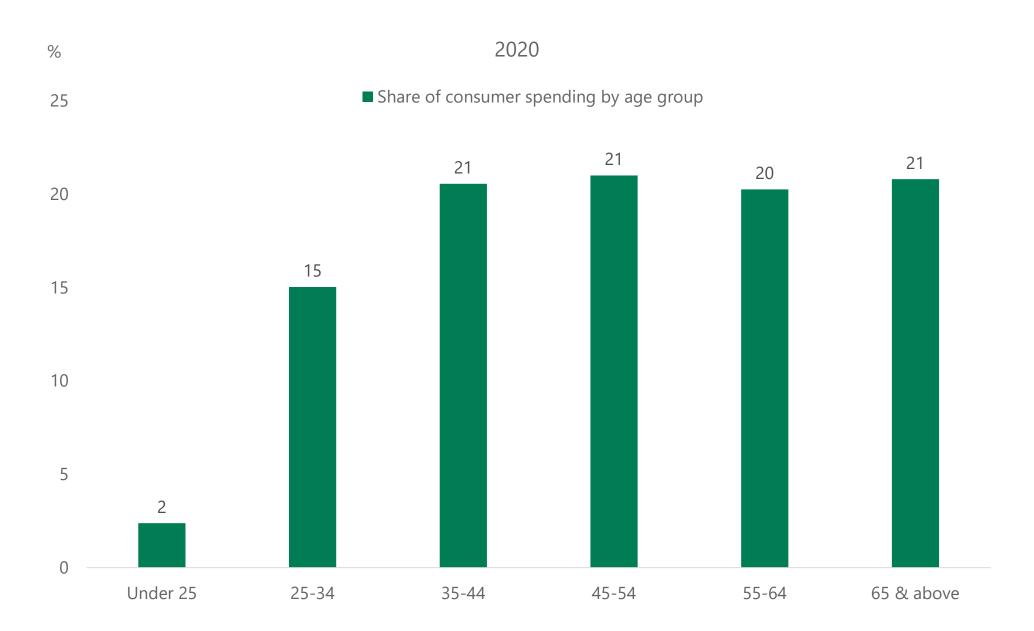
Risks to the outlook for the consumer are higher interest rates, lower stock prices and crypto prices, and high inflation making many purchases such as cars, gas, and homes too expensive.

# US consumer makes up 17% of global GDP

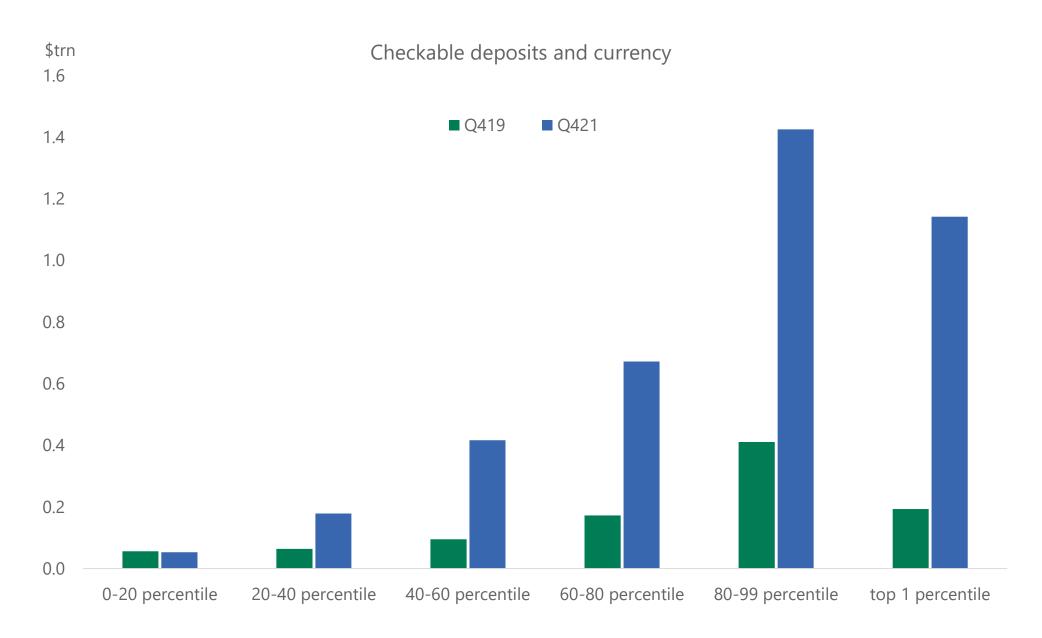


Source: Haver, World Bank, Apollo Chief Economist

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



# Household savings across different income groups



Source: FRB, Haver Analytics, Apollo Chief Economist

### Biography



Torsten Slok, Ph.D.
Chief Economist
Apollo Chief Economist
tslok@apollo.com

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.