

APOLLO GLOBAL MANAGEMENT

## Slowdown Watch: Daily and weekly indicators for the US economy

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Unless otherwise noted, information as of November 2022

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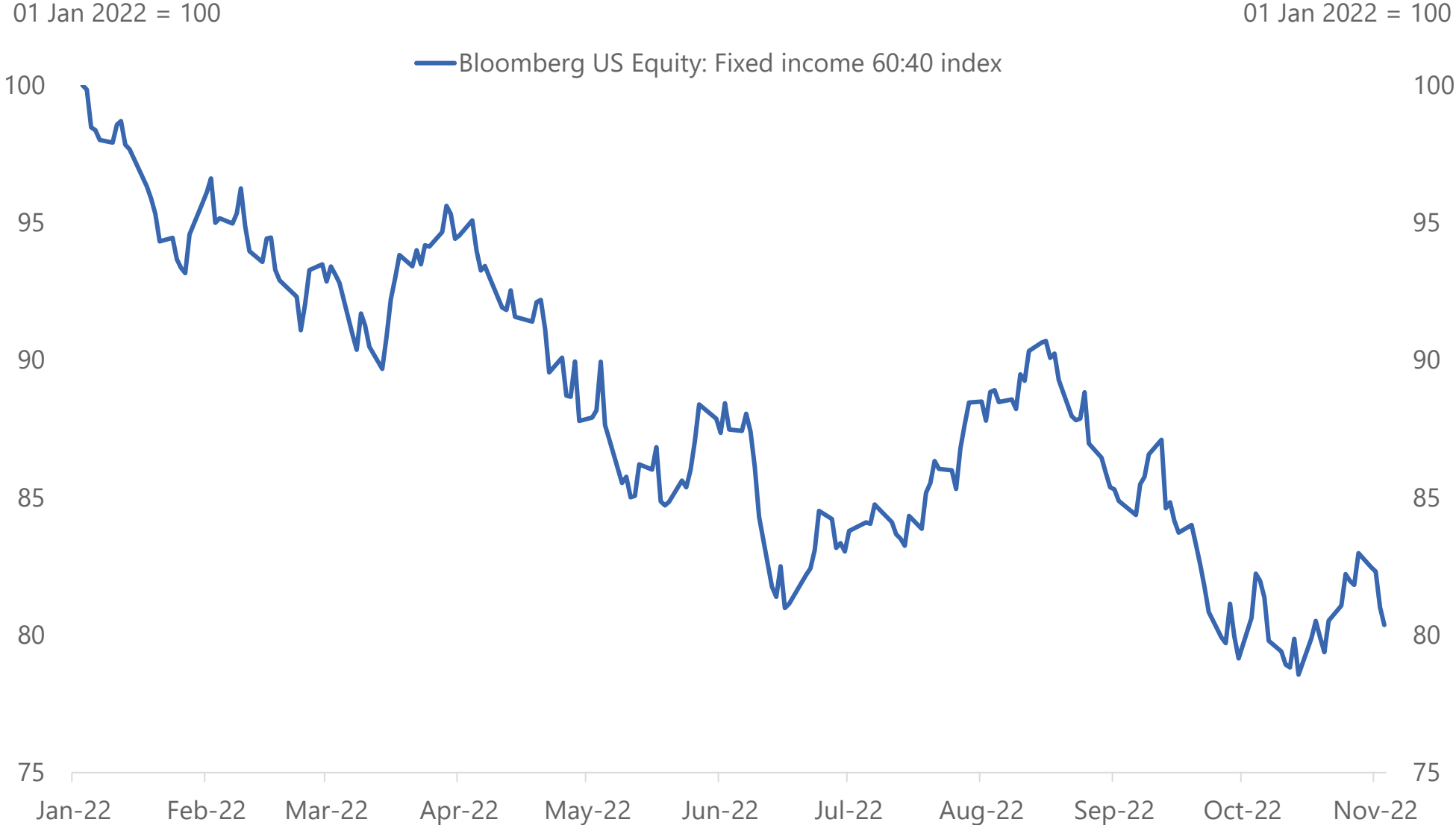
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# 60/40 portfolio down 20% in 2022

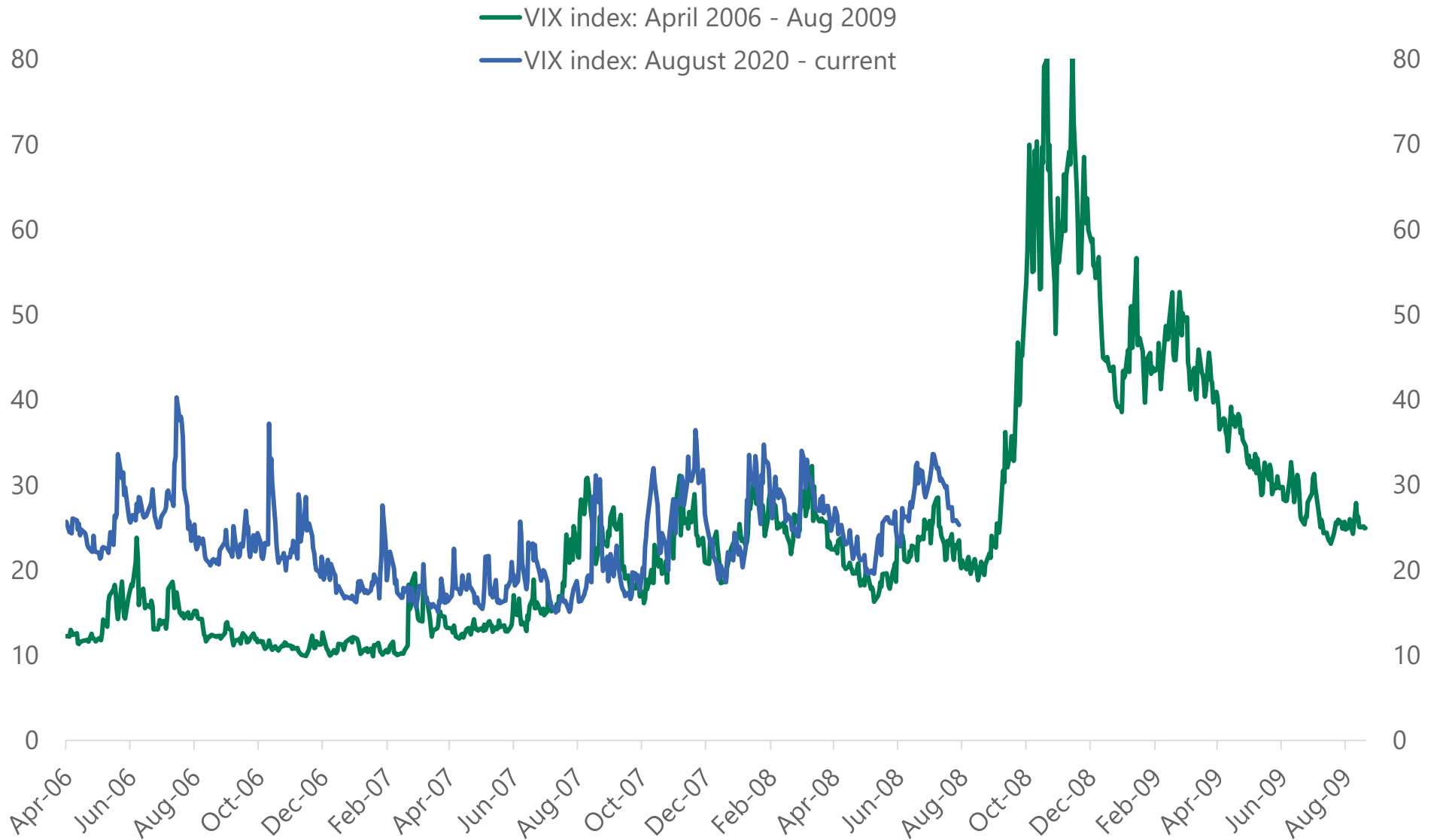


# S&P500 is following a pattern similar to 2007-08



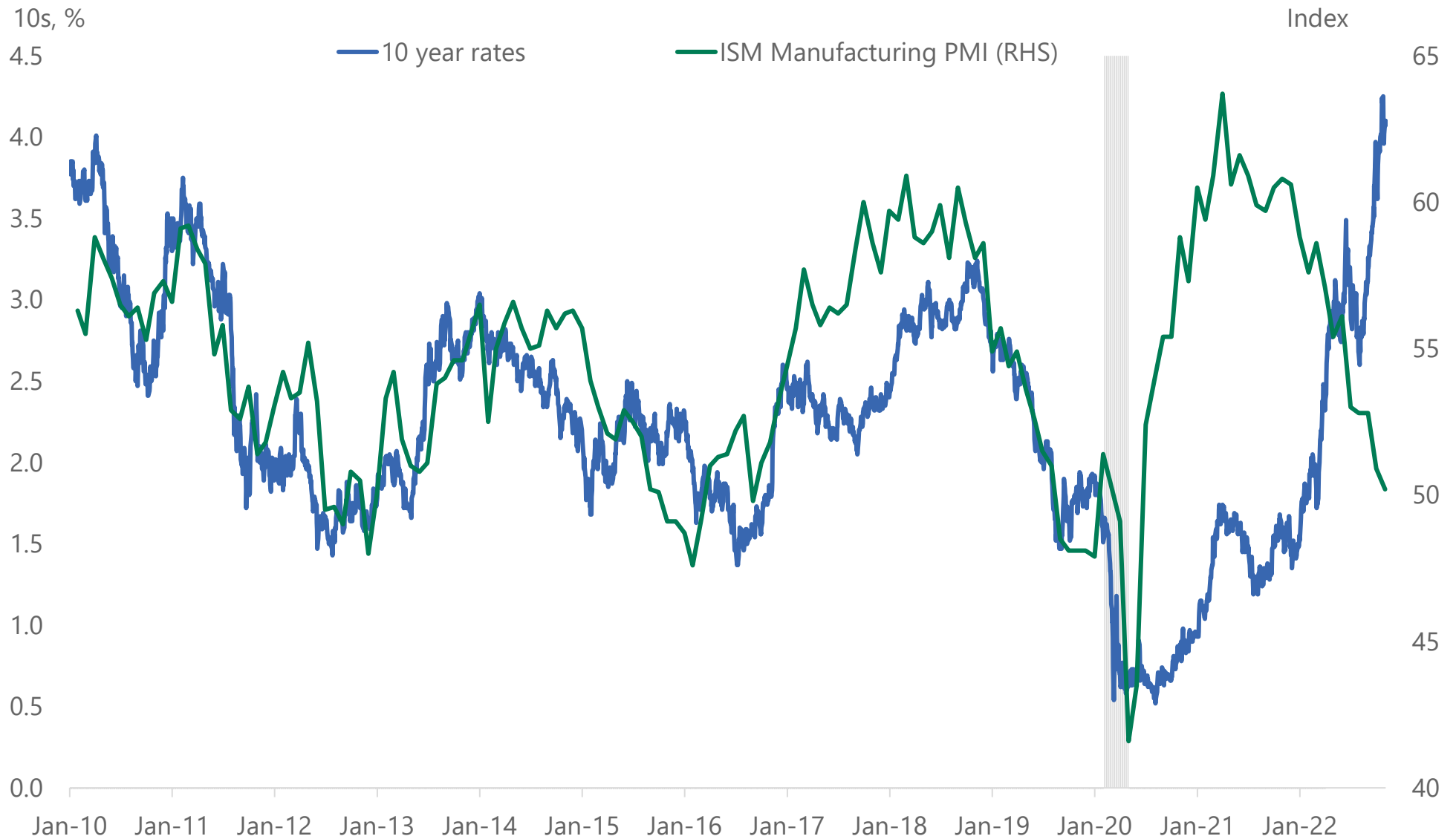
Source: Bloomberg, Apollo Chief Economist

# VIX is also following a pattern similar to 2007-08



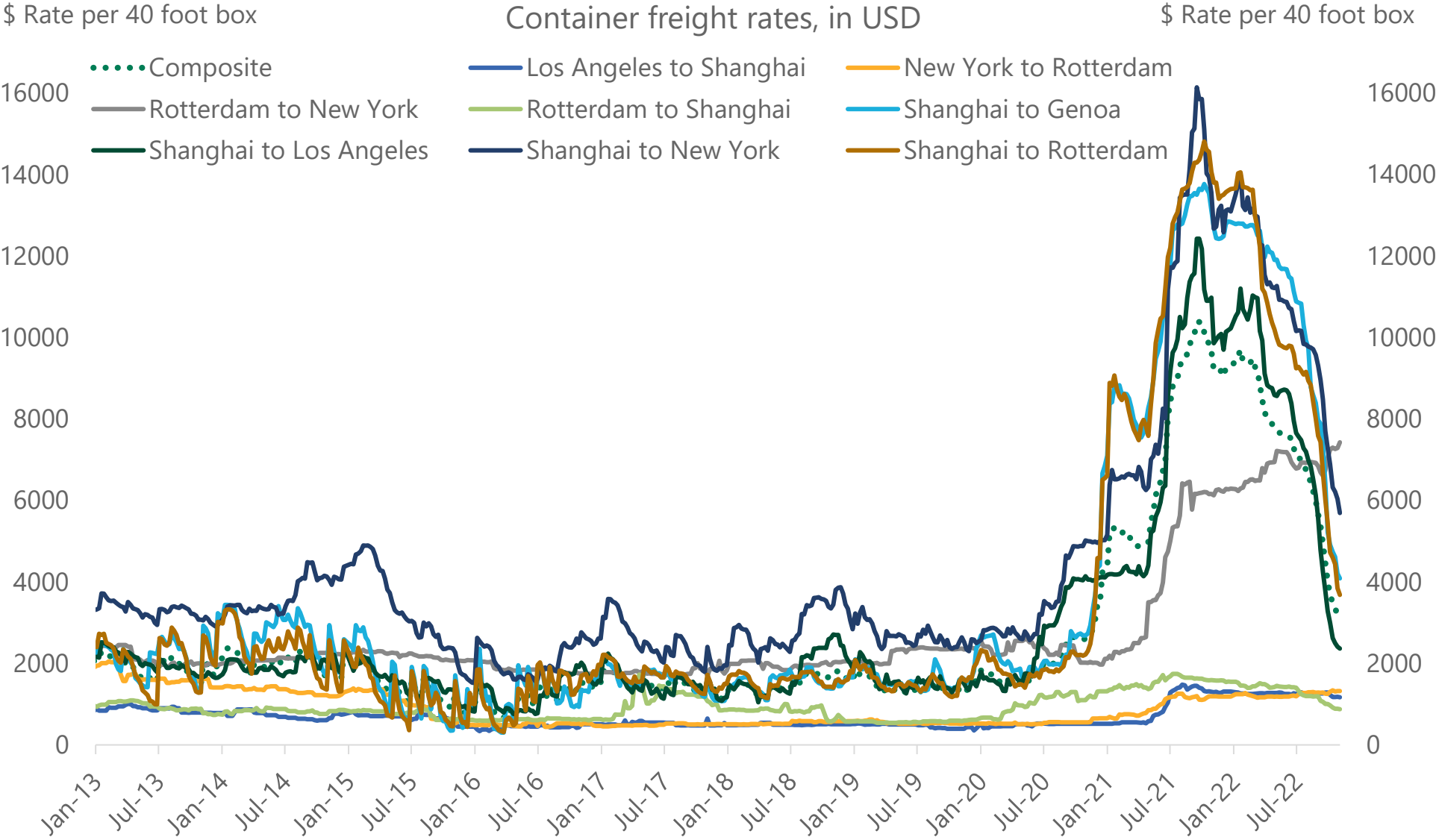
Source: Bloomberg, Apollo Chief Economist

# ISM falling and 10-year rates going up?



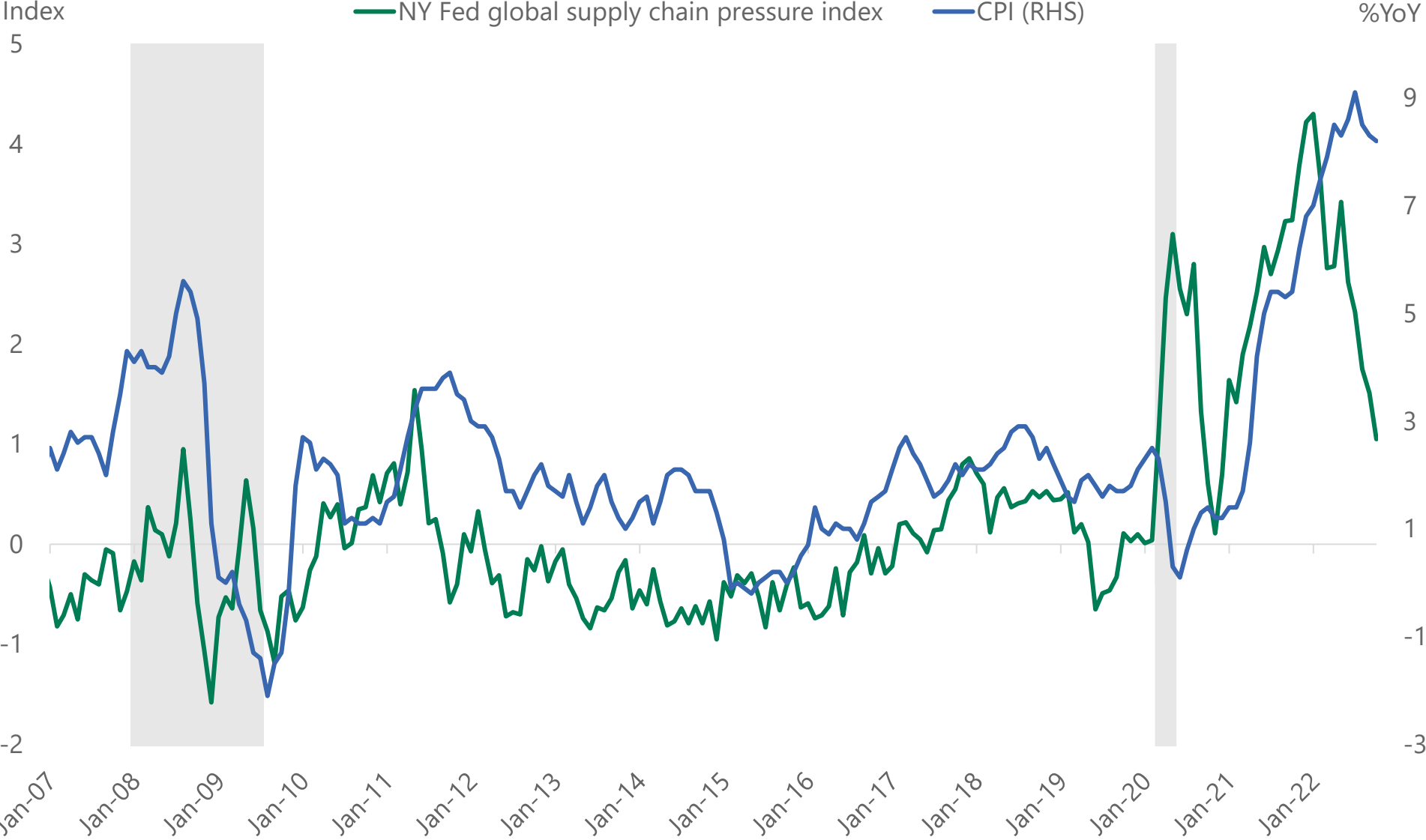
Source: ISM, FRB, Haver Analytics, Apollo Chief Economist

# Container freight rates falling; Goods inflation pressures are easing



Source: WCI, Bloomberg, Apollo Chief Economist

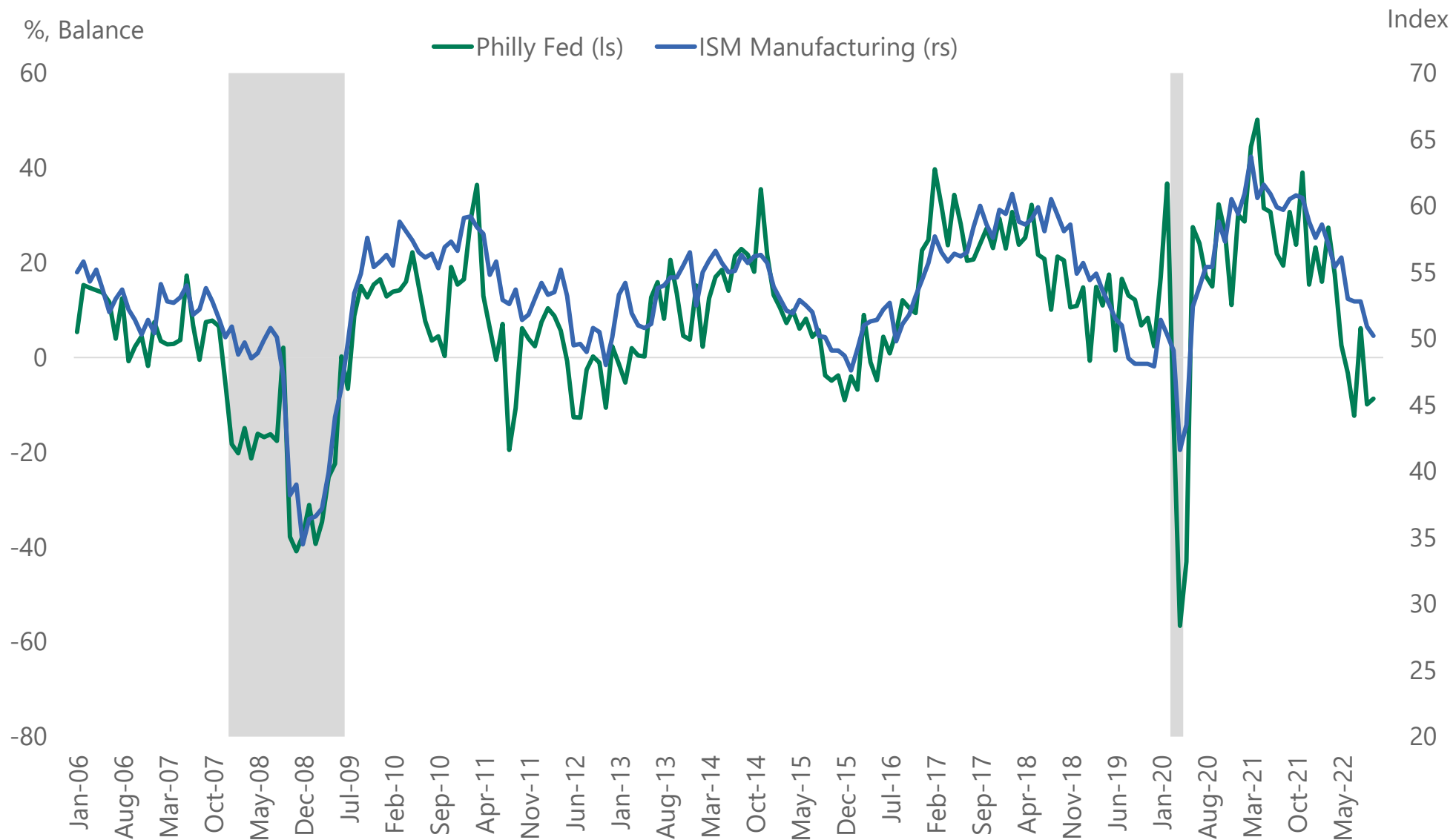
# Supply chain improvements putting downward pressure on goods inflation



Source: NY Fed, BLS, Haver Analytics, Apollo Chief Economist

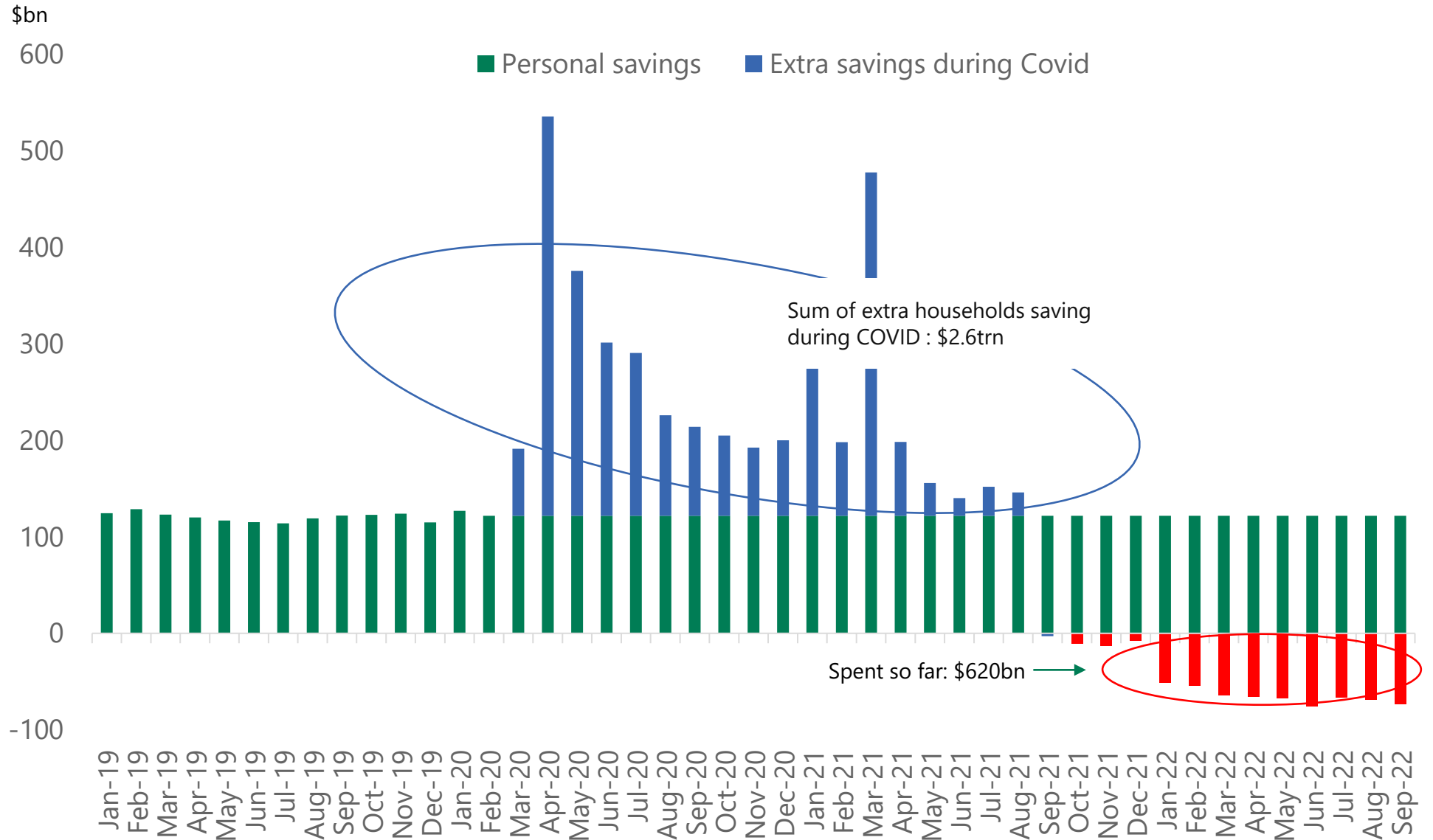


# Manufacturing/goods sector cooling down



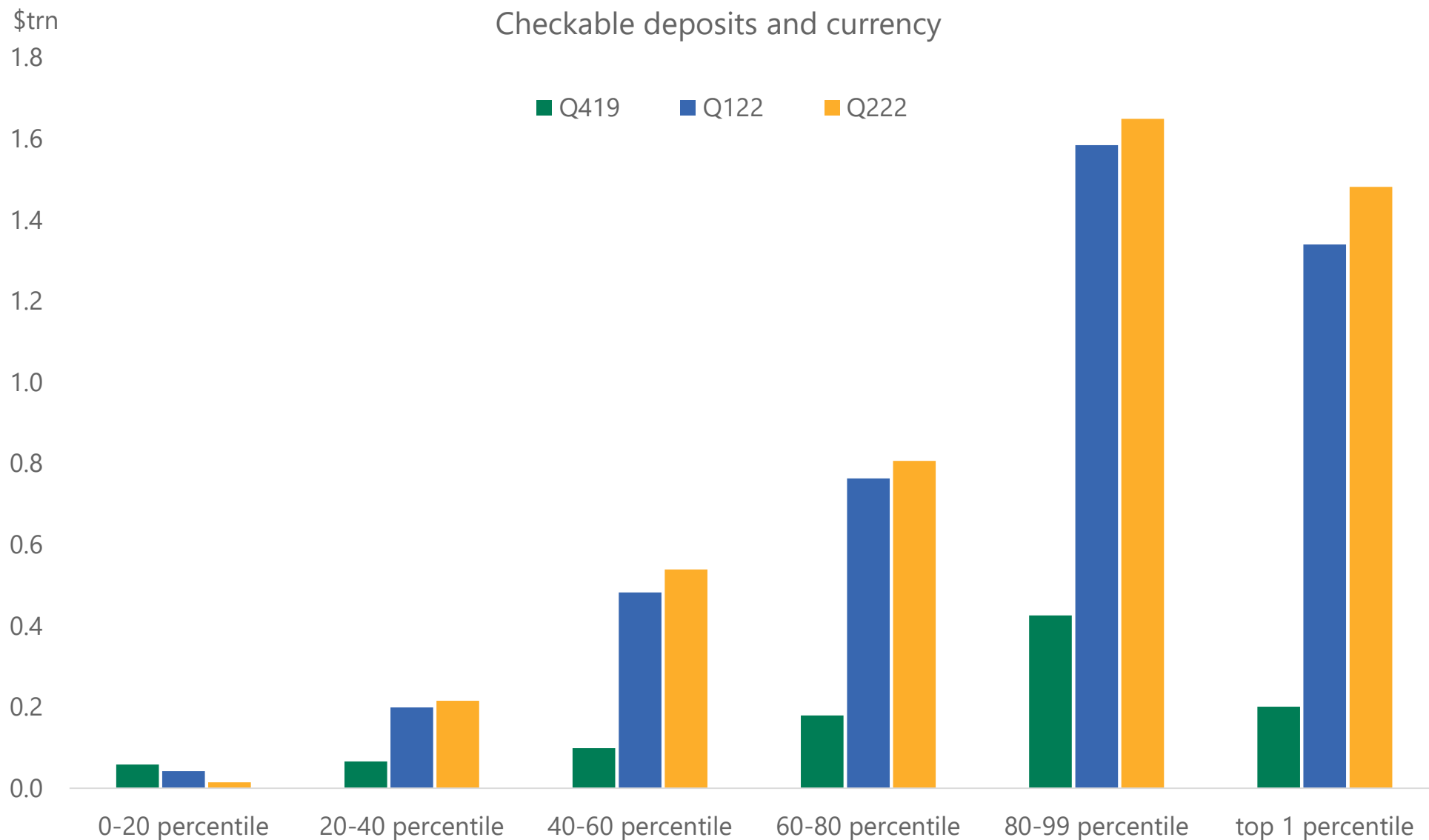
Source: ISM, Haver Analytics, Apollo Chief Economist

# Households have \$1.7trn in excess dry powder, saved during the pandemic



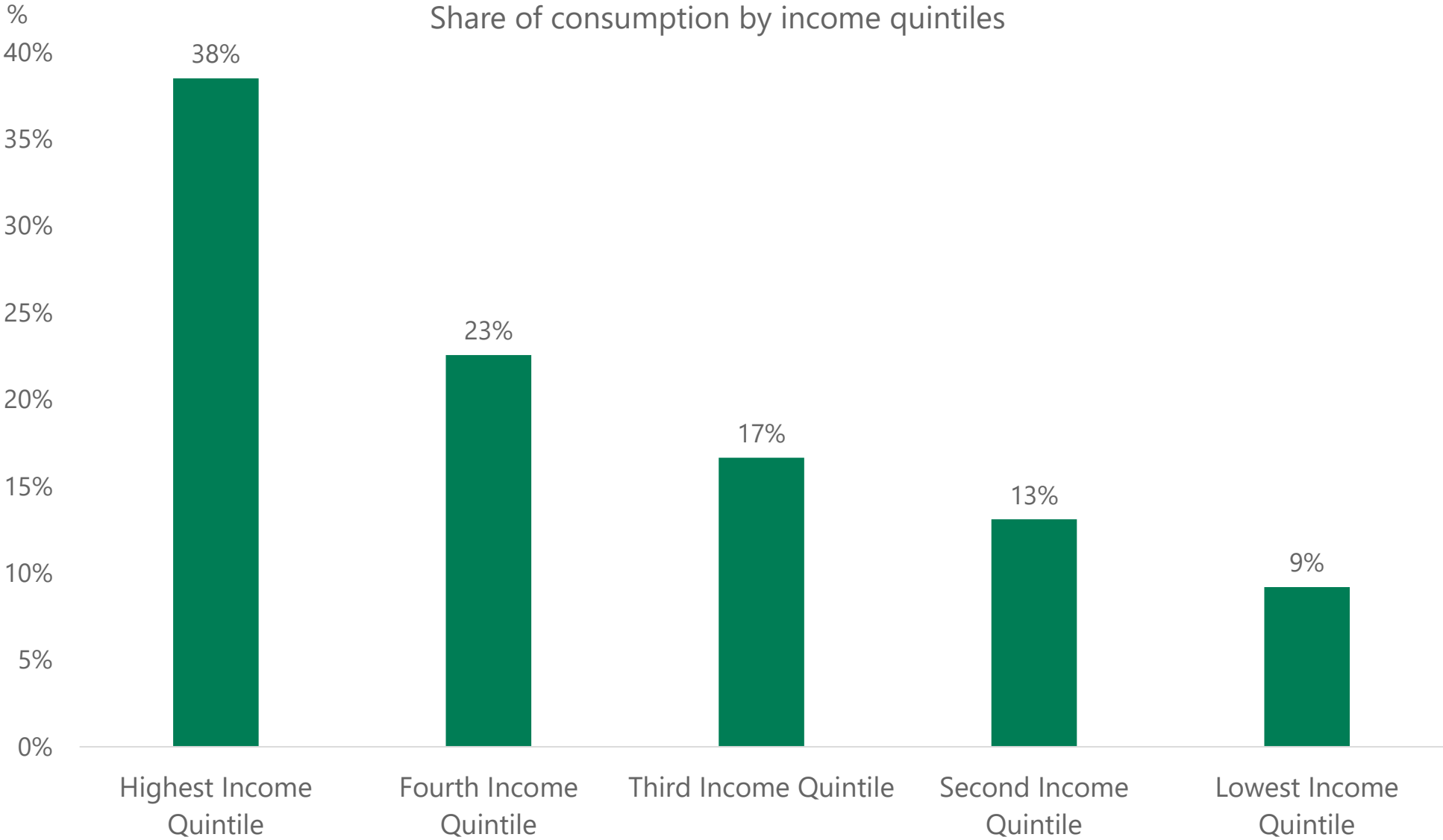
Note: Bloomberg, Apollo Chief Economist

# Household savings across different income groups



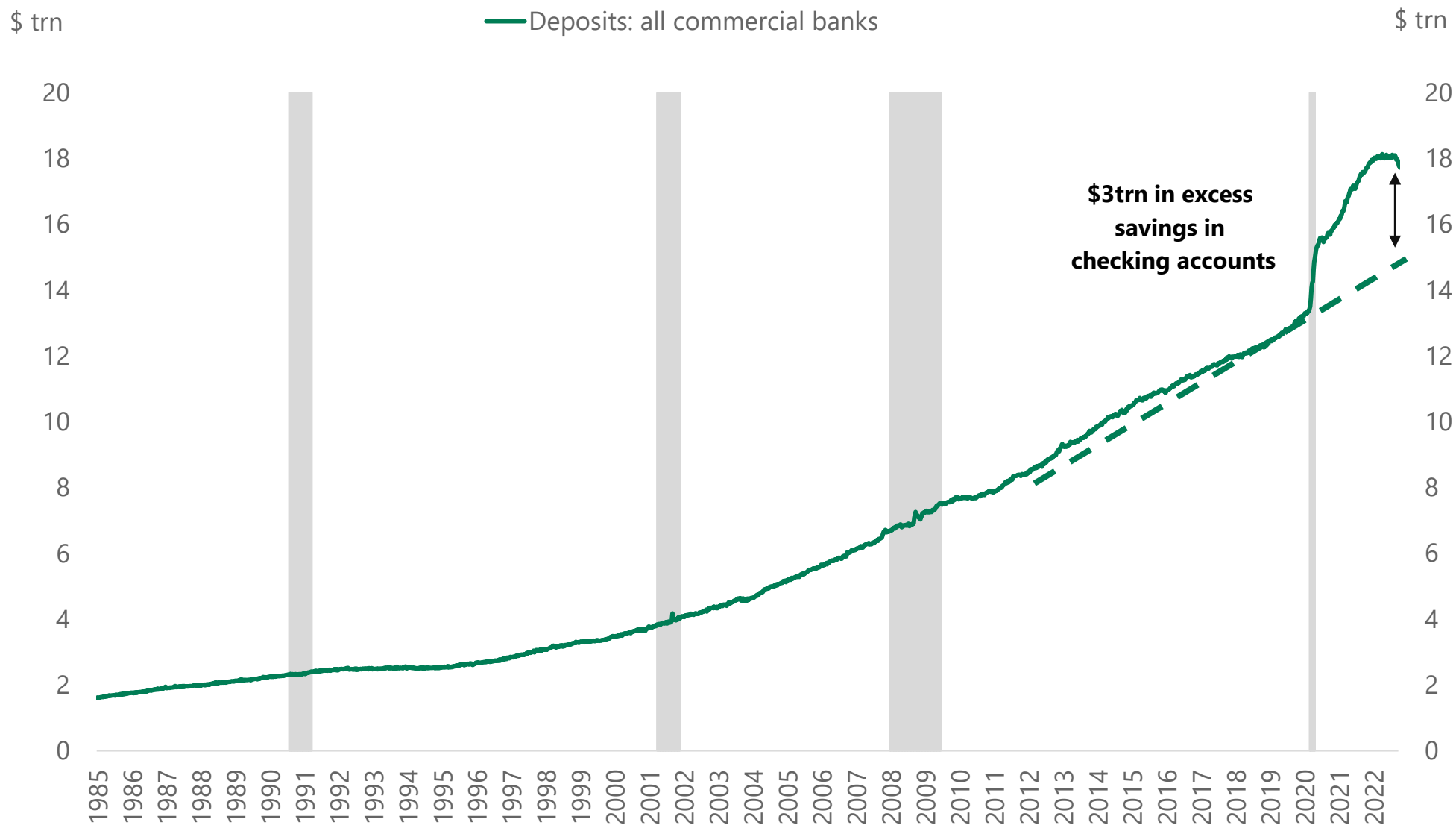
Source: FRB, Haver Analytics, Apollo Chief Economist

# Share of US total consumer spending, by income



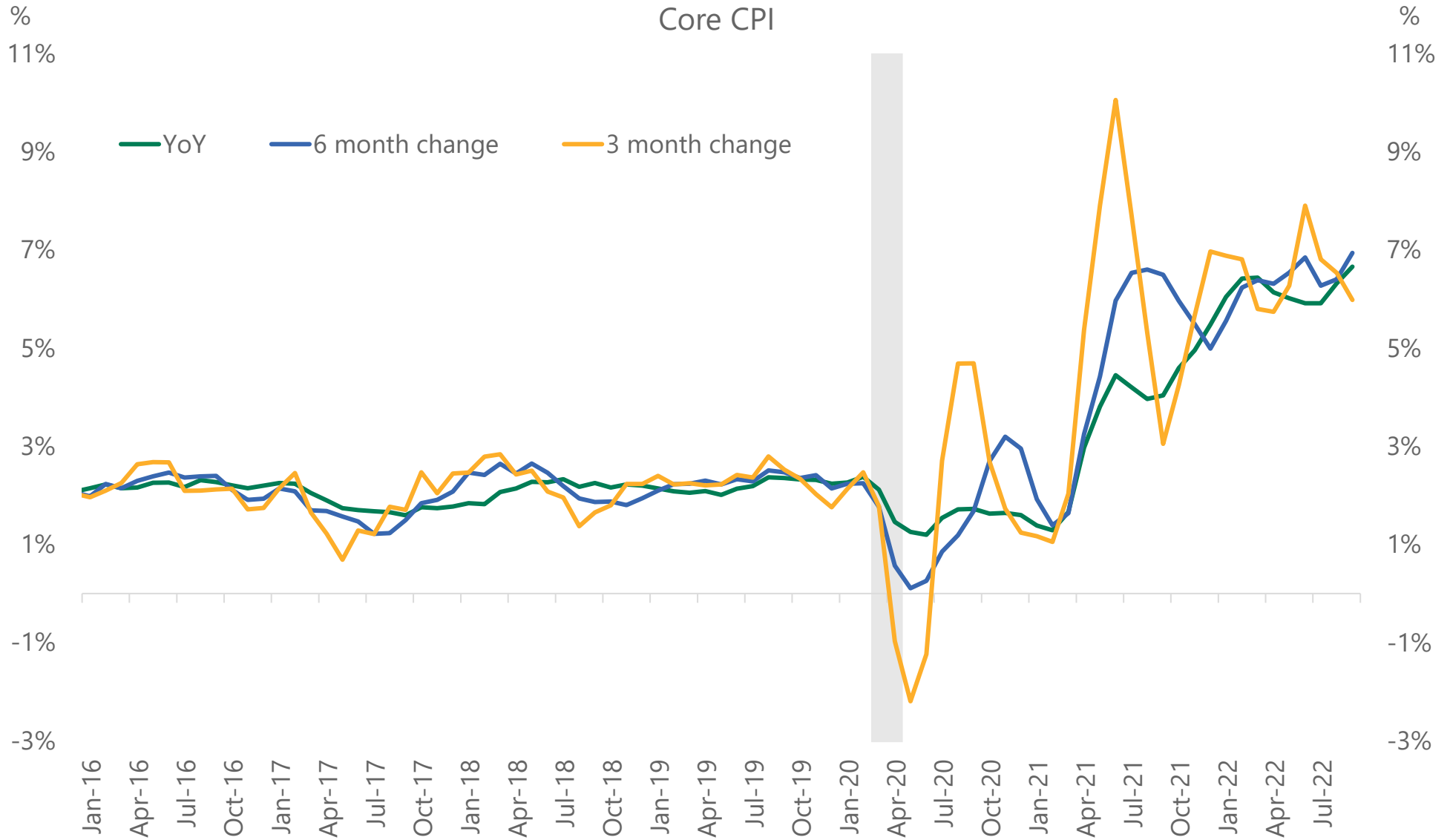
Source: Consumer Expenditure Survey, Haver Analytics, Apollo Chief Economist (latest data includes 2021)

# Record-high level of deposits at commercial banks



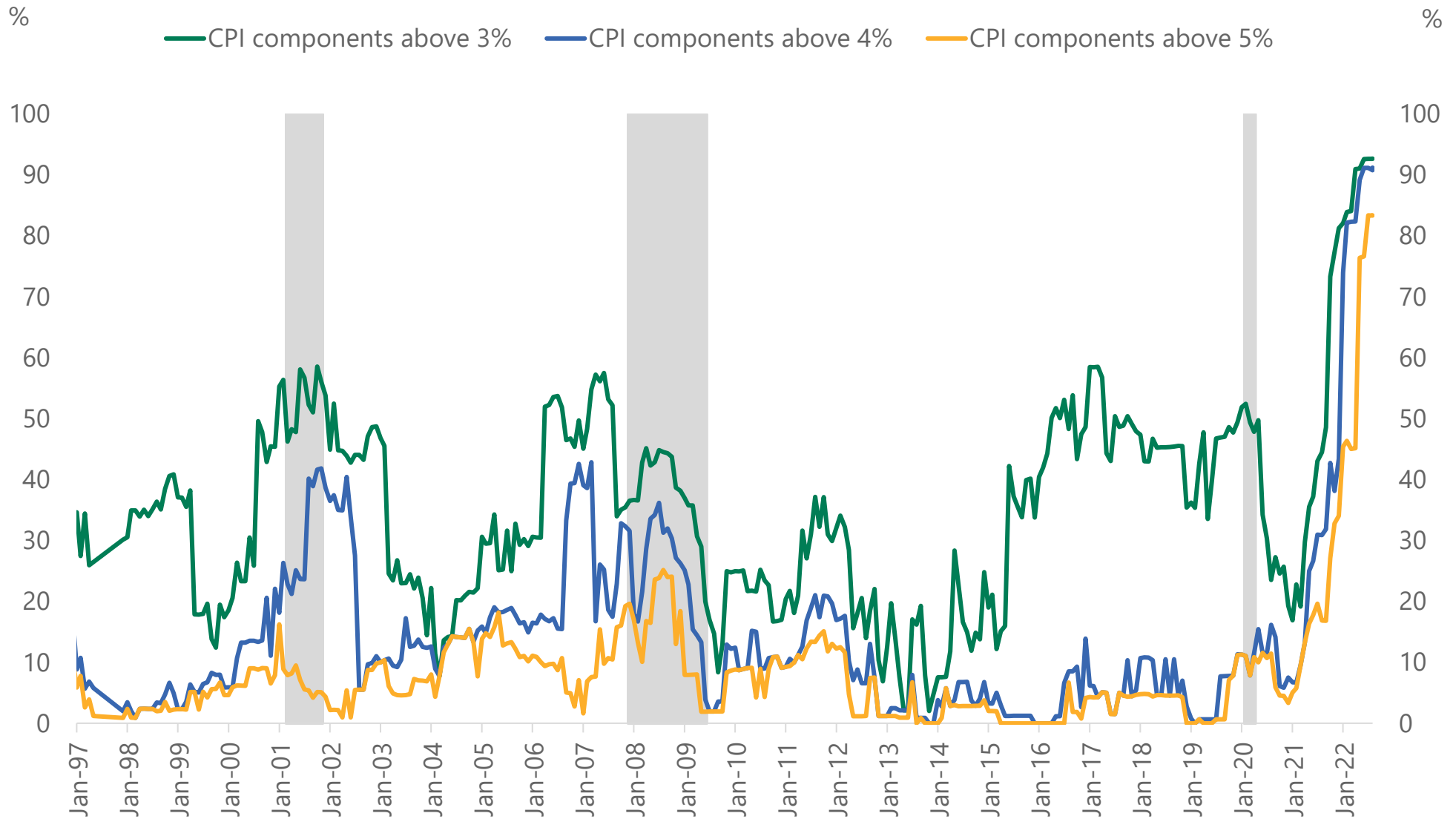
Source: FRB, Haver, Apollo Chief Economist

# 3- and 6-month change in core inflation around 6%



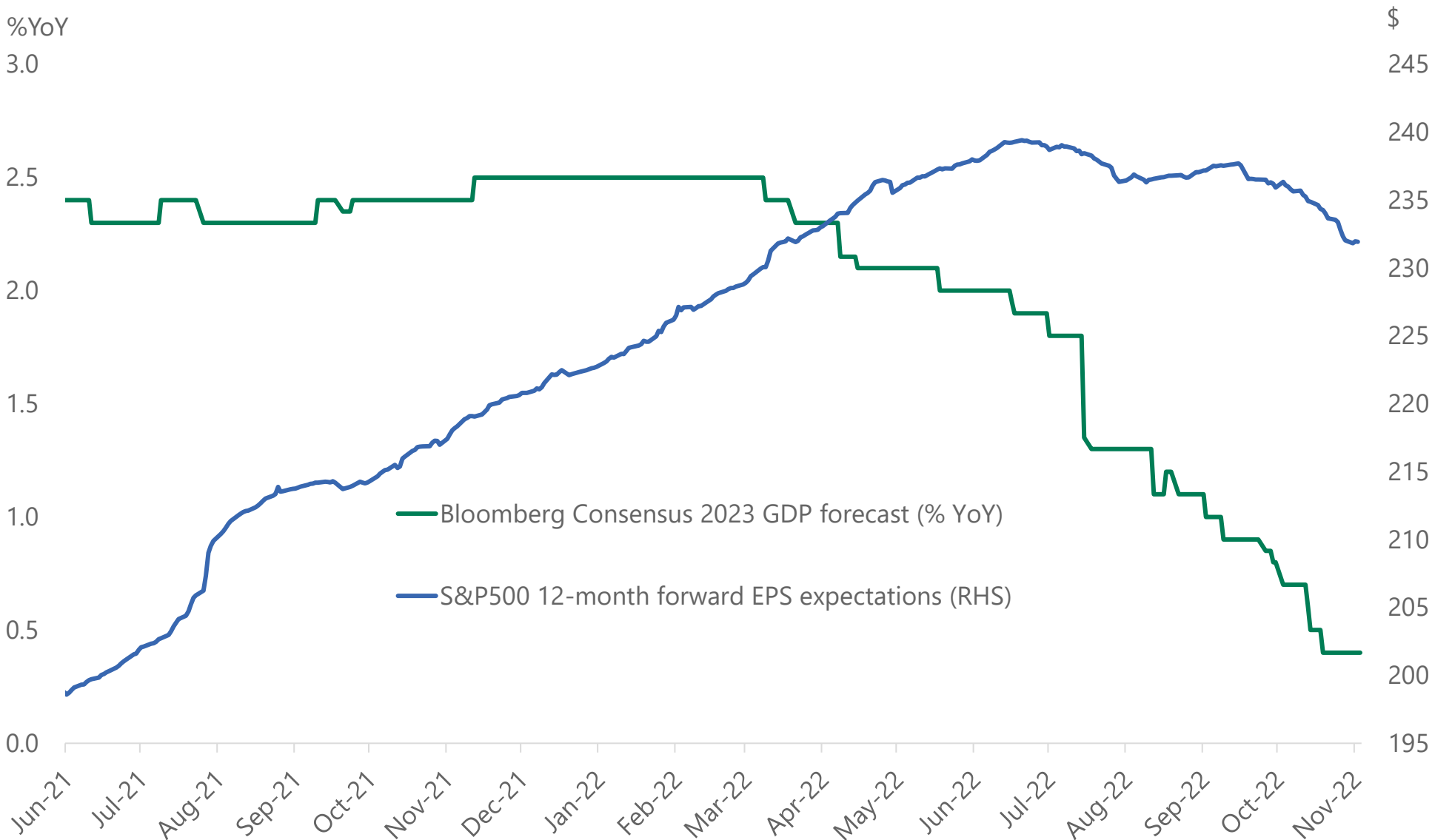
Source: BLS, Haver Analytics, Apollo Chief Economist

# 83% of the US inflation basket is growing faster than 5%



Note: Year-over-year growth used. Source: BLS, Haver, Apollo Chief Economist.

# Divergence between S&P500 earnings expectations and GDP growth expectations

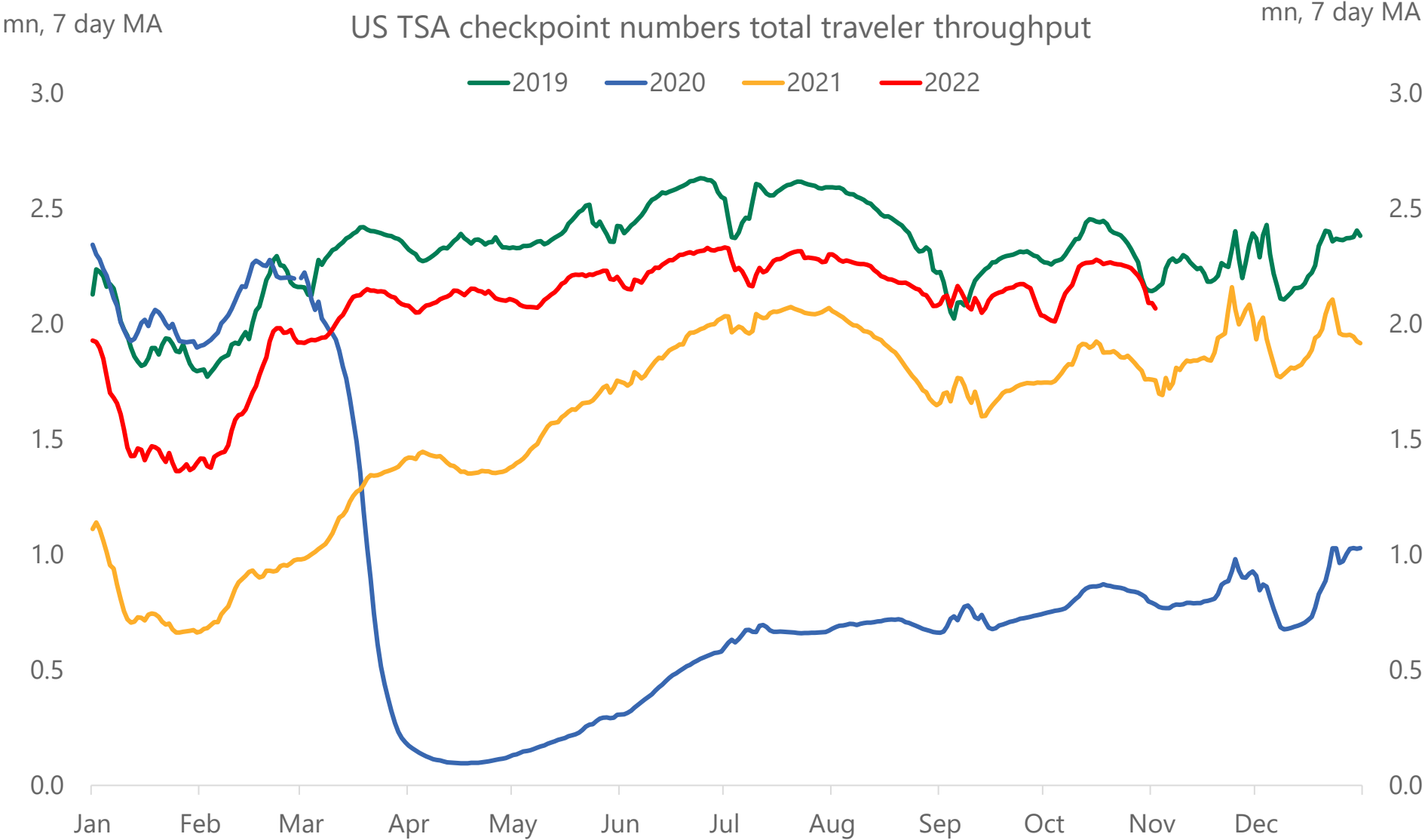


Source: Bloomberg, Apollo Chief Economist



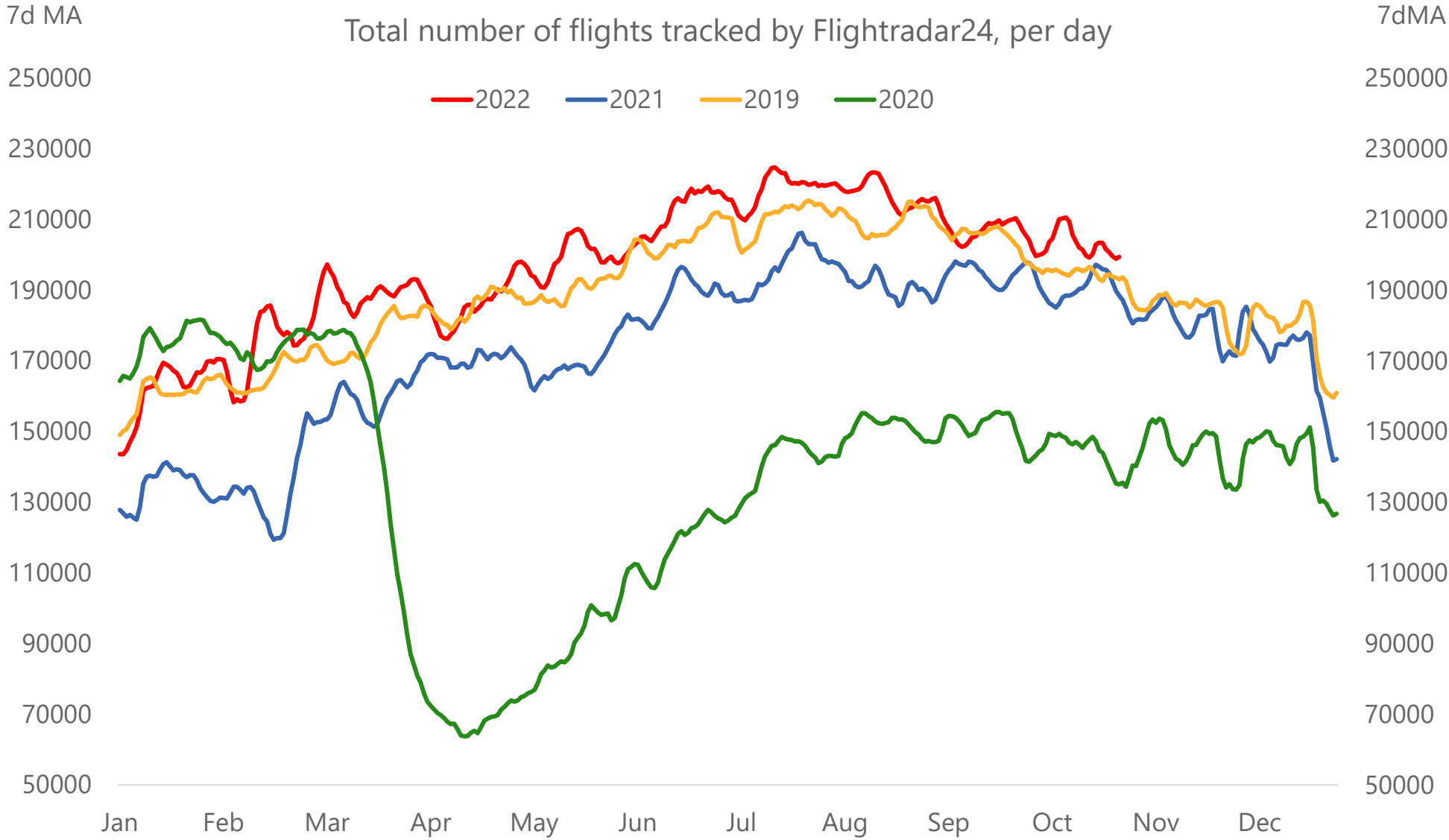
# Daily economic indicators

# US air travel still strong



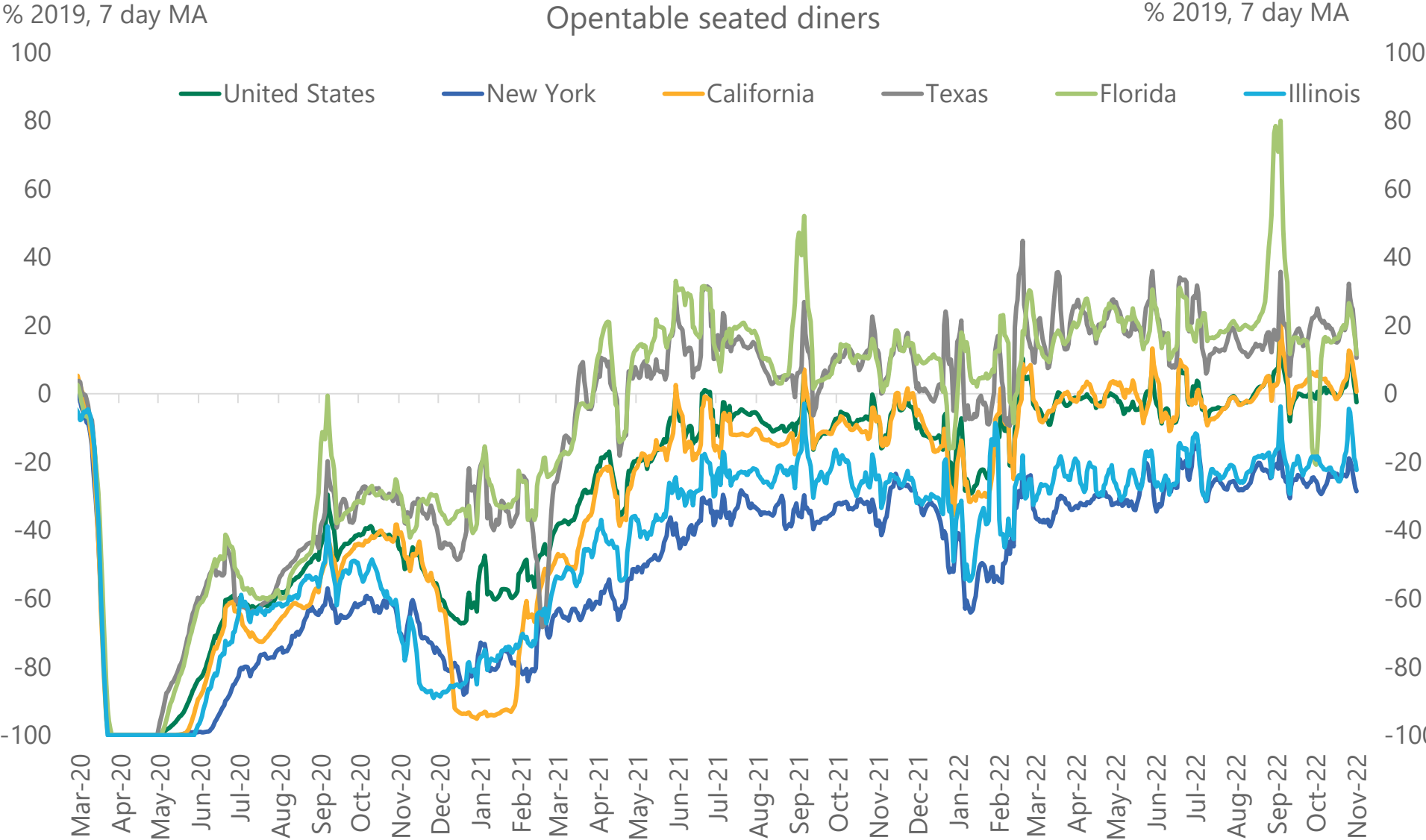
Source: TSA, Bloomberg, Apollo Chief Economist

# Global air traffic still high



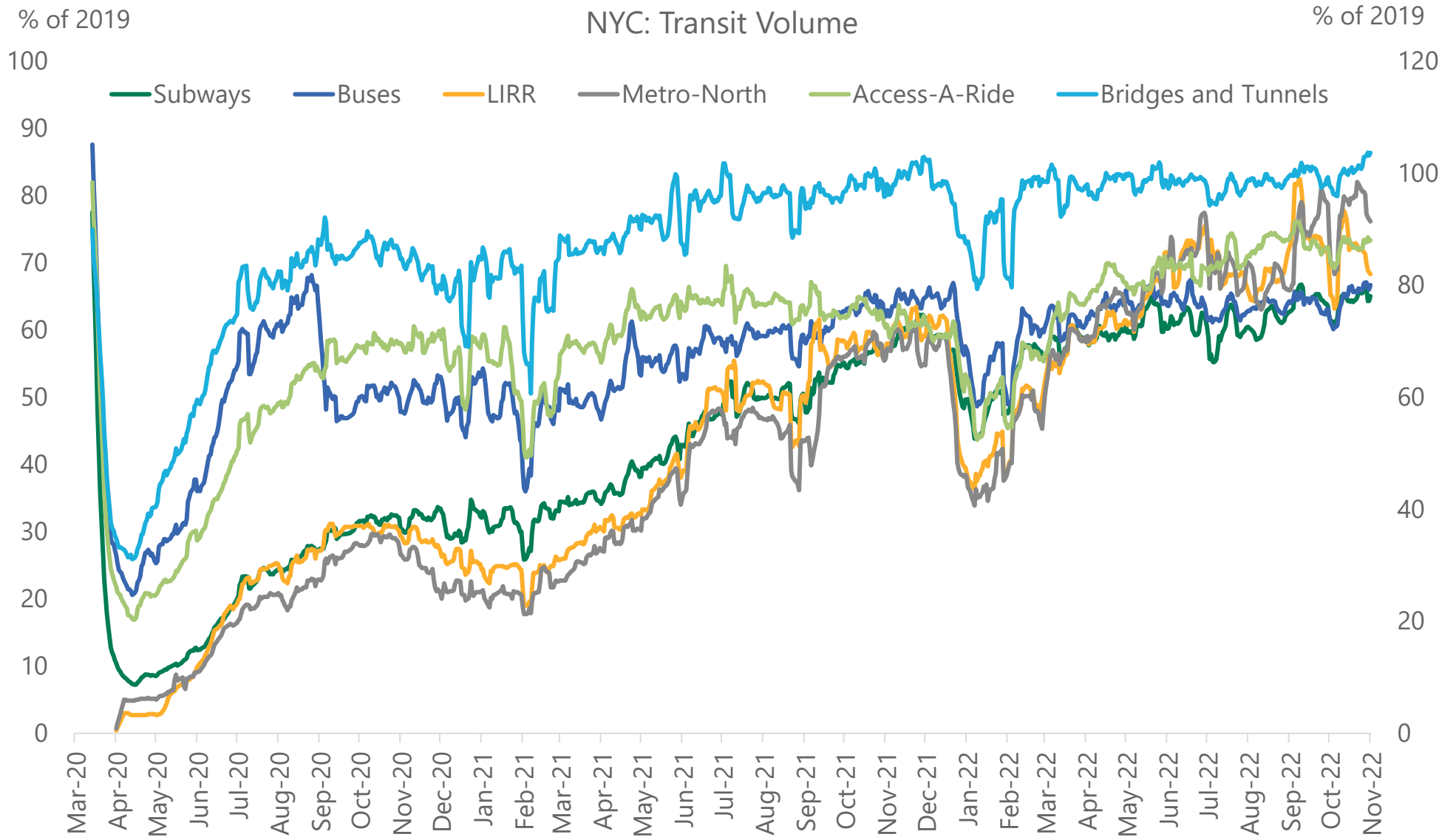
Source: Flightradar24.com, Apollo Chief Economist

# Restaurant bookings still strong



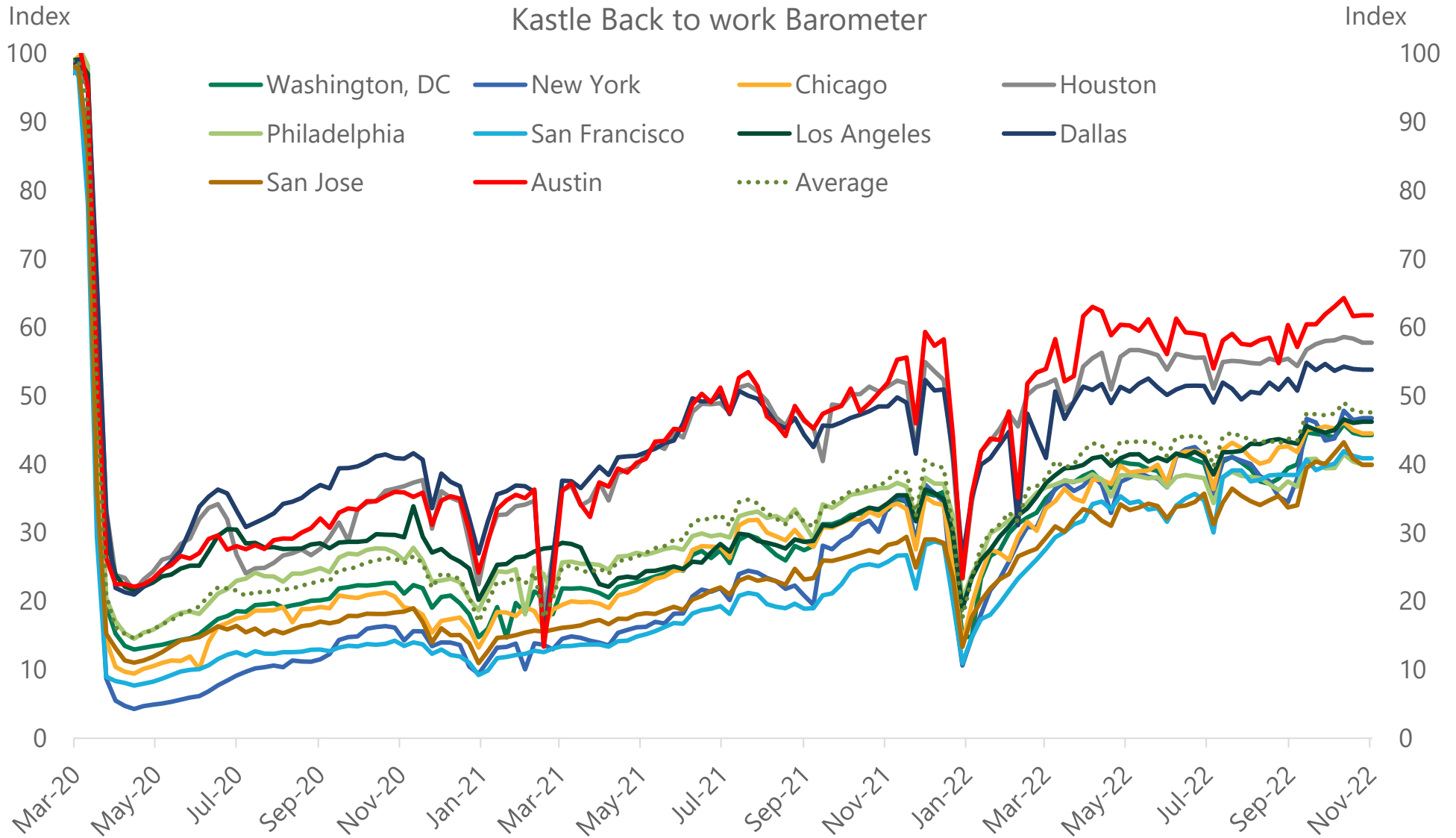
Source: OpenTable, Apollo Chief Economist

# NYC mobility indicators improving



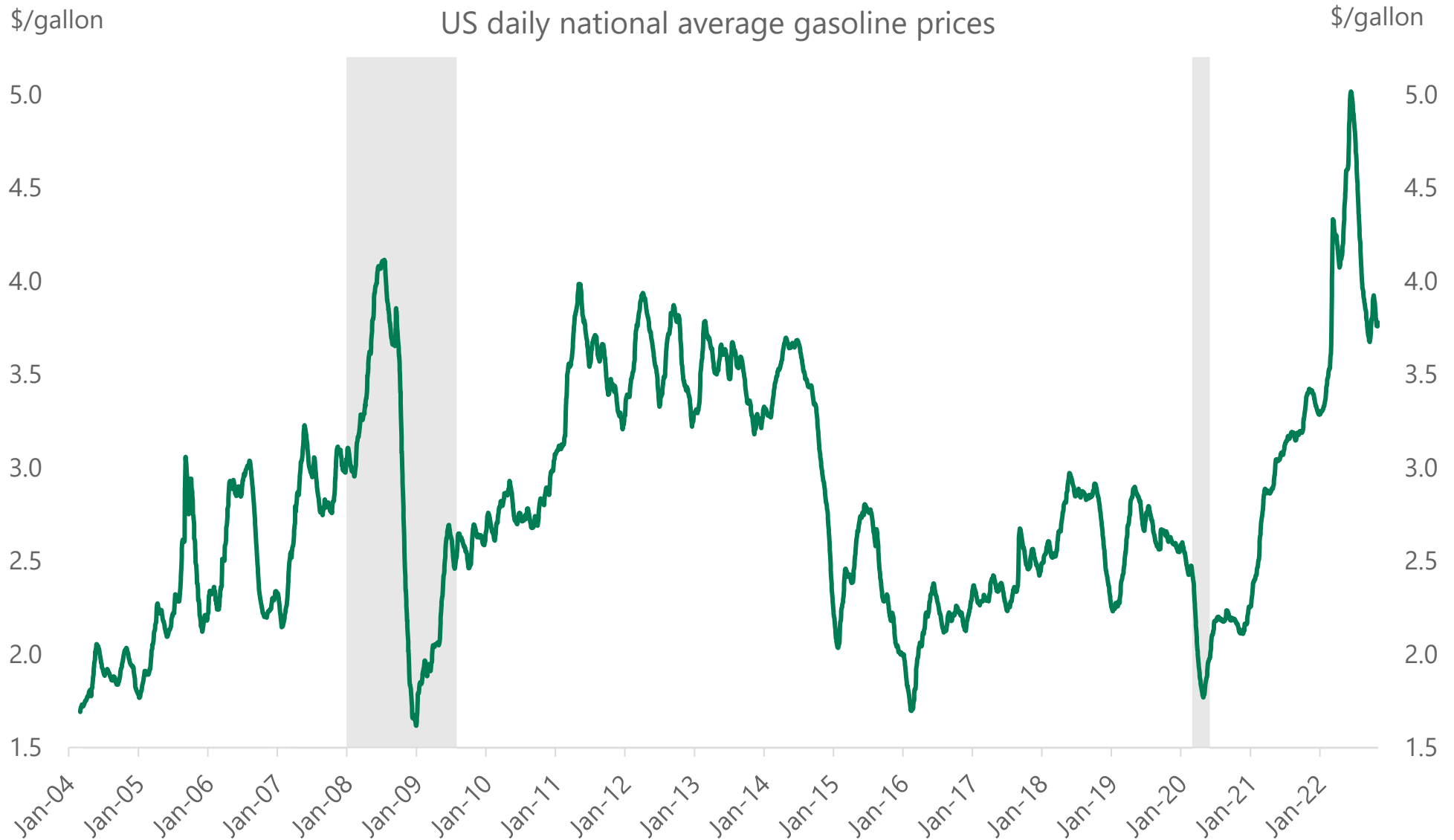
Source: MTA, Apollo Chief Economist

# New York City: Office use 47% of capacity



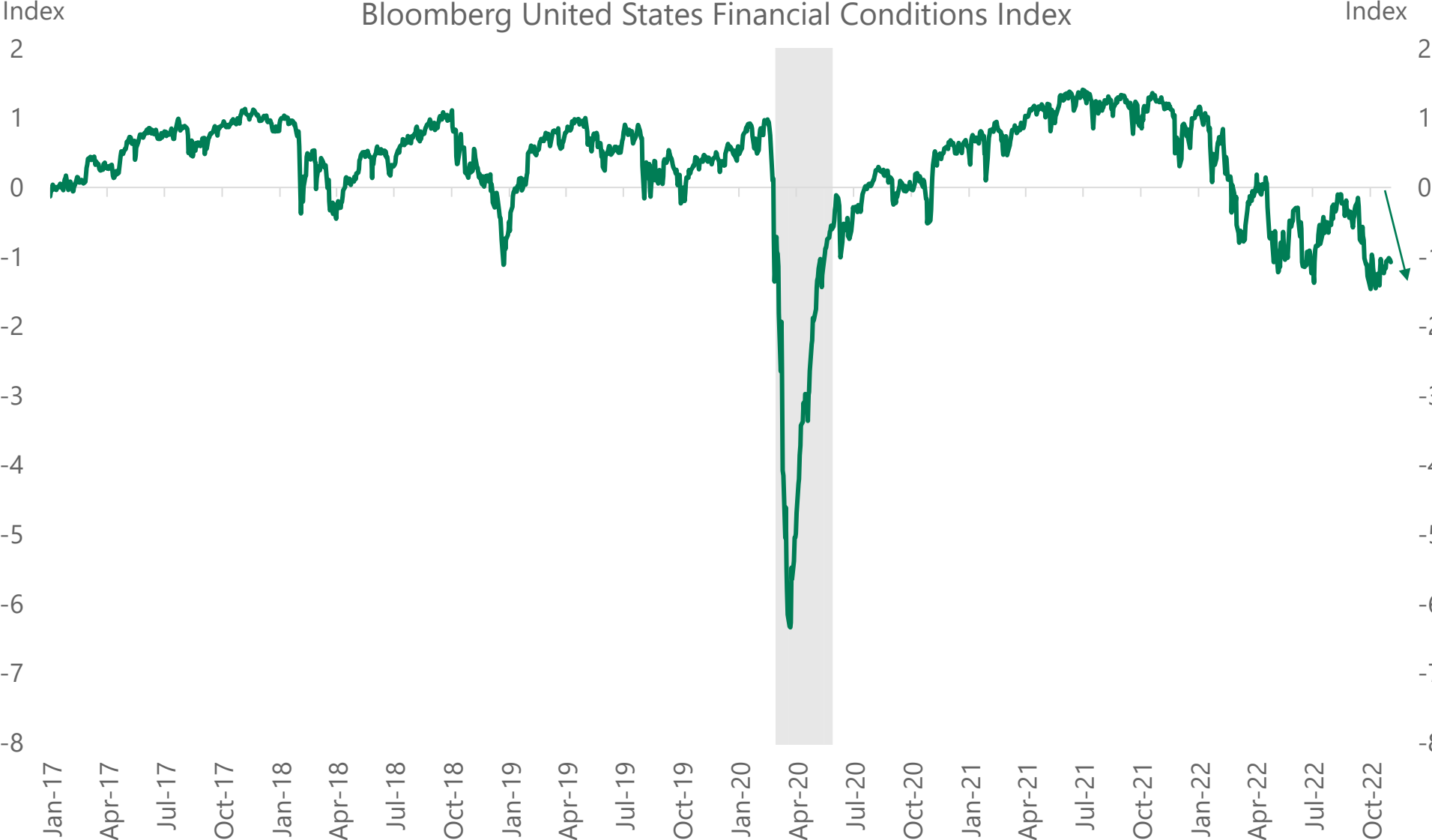
Source: Bloomberg, Apollo Chief Economist

# Average US retail gas prices coming down from \$5 to \$3.8 per gallon



Source: Bloomberg, Apollo Chief Economist

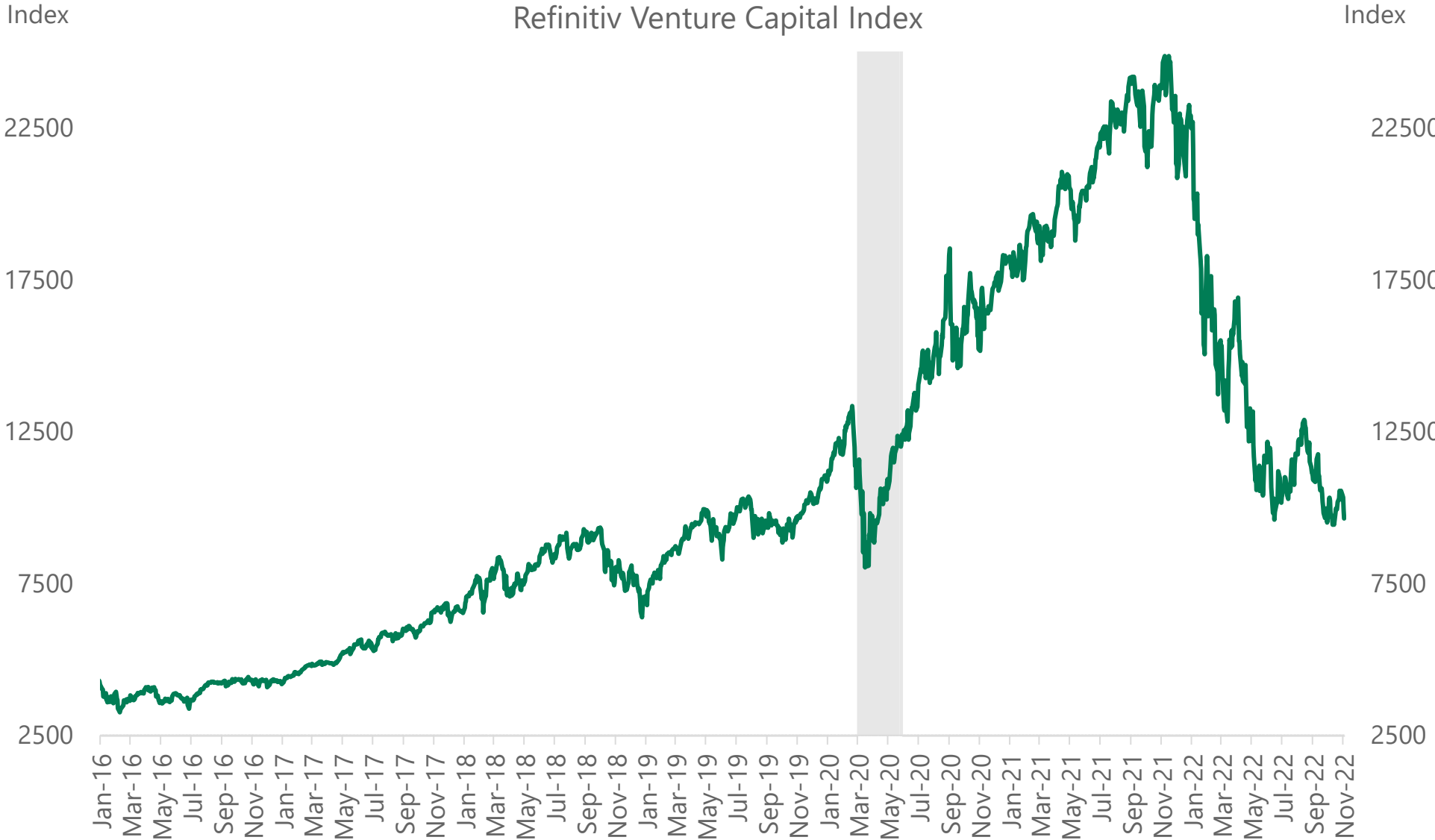
# Financial conditions tightening



Source: Bloomberg, Apollo Chief Economist



# US venture capital valuations down more than 60% from the peak



Source: Bloomberg, Apollo Chief economist. Note: The Thomson Reuters Venture Capital Index is designed to measure the value of the US-based venture capital private company universe in which venture capital funds invest.

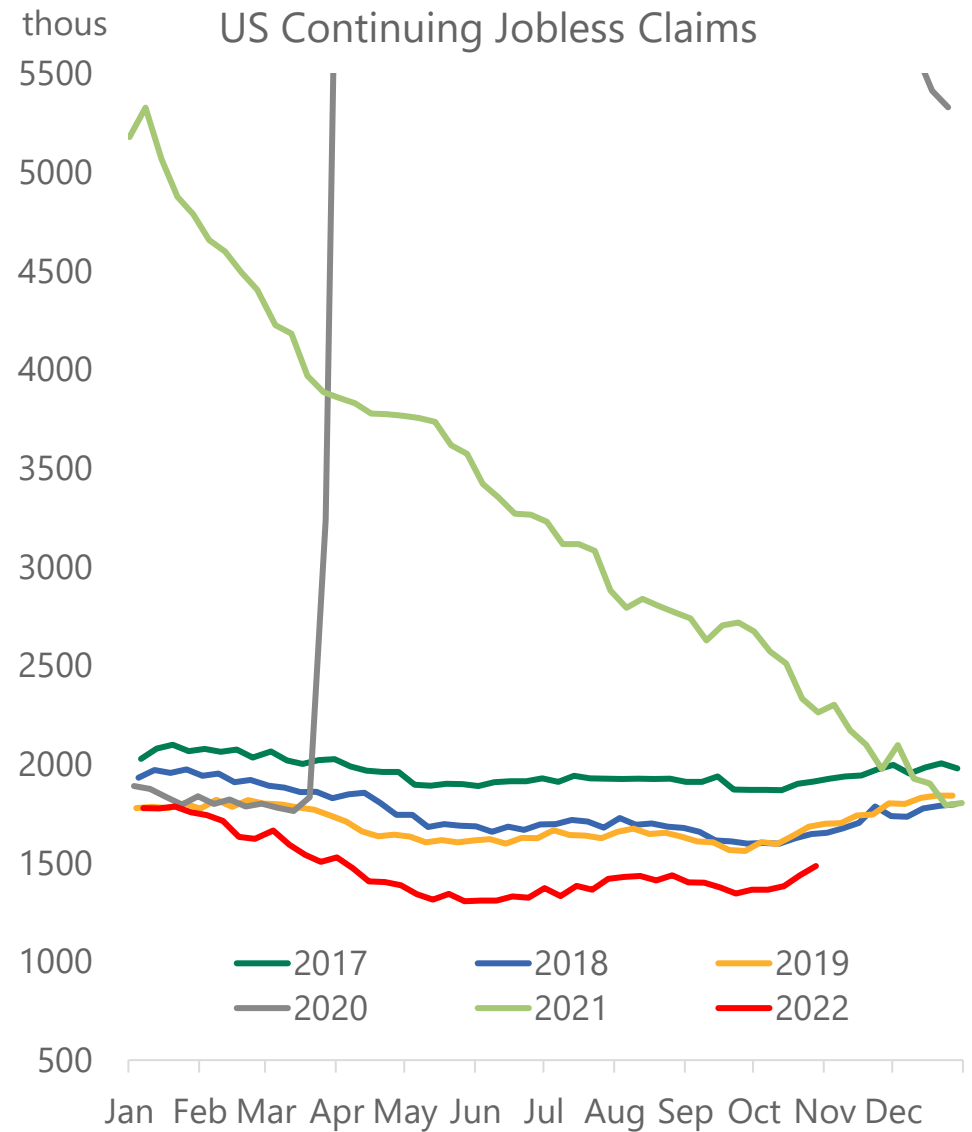
# Corporate earnings revisions: Upgrades minus downgrades



Source: Citi Research, Apollo Chief Economist. Note: Citi's Earnings Revision Index is defined as number of upgrades minus downgrades divided by number of upgrades plus downgrades

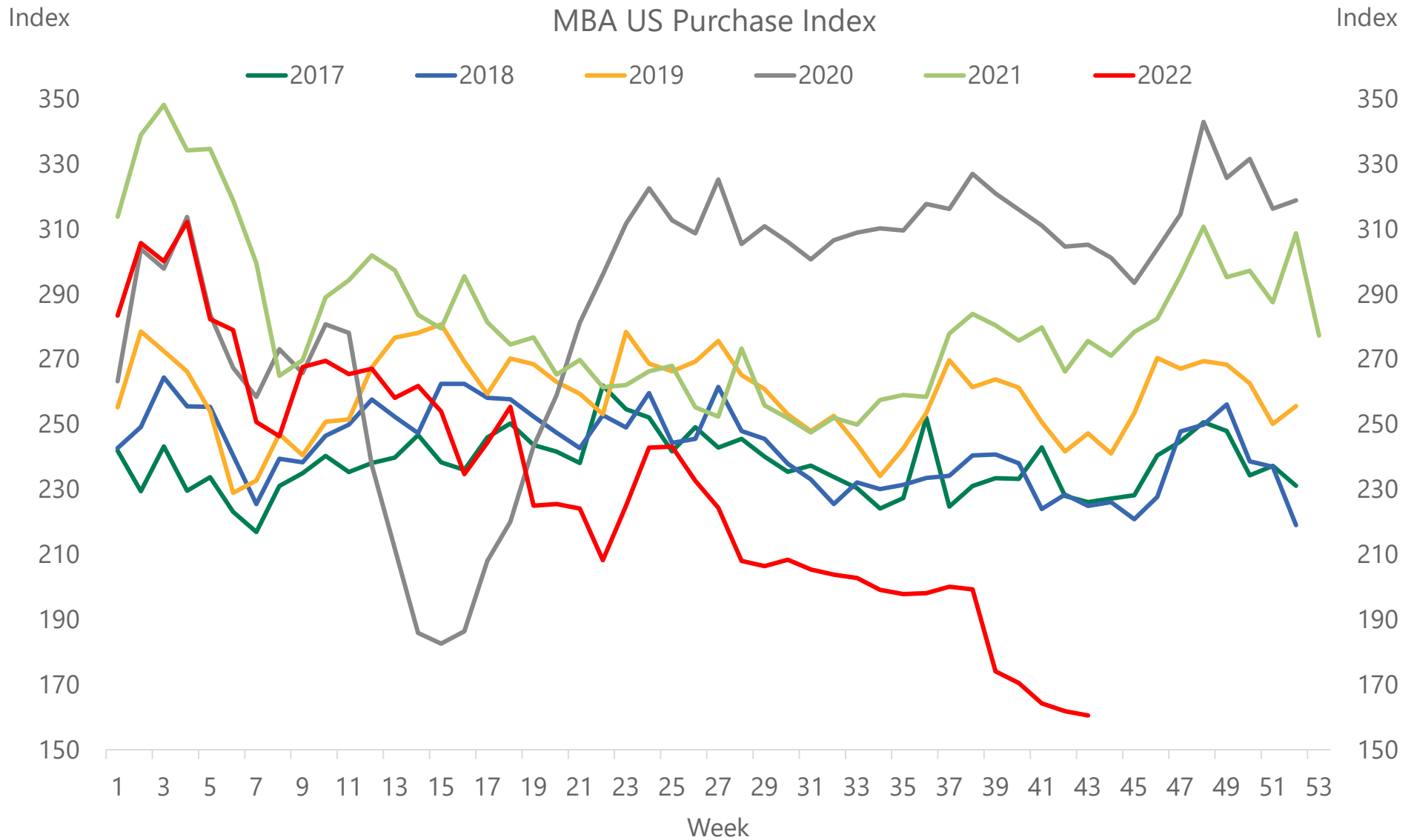
# Weekly economic indicators

# Jobless claims still low: No signs of a slowdown in the labor market



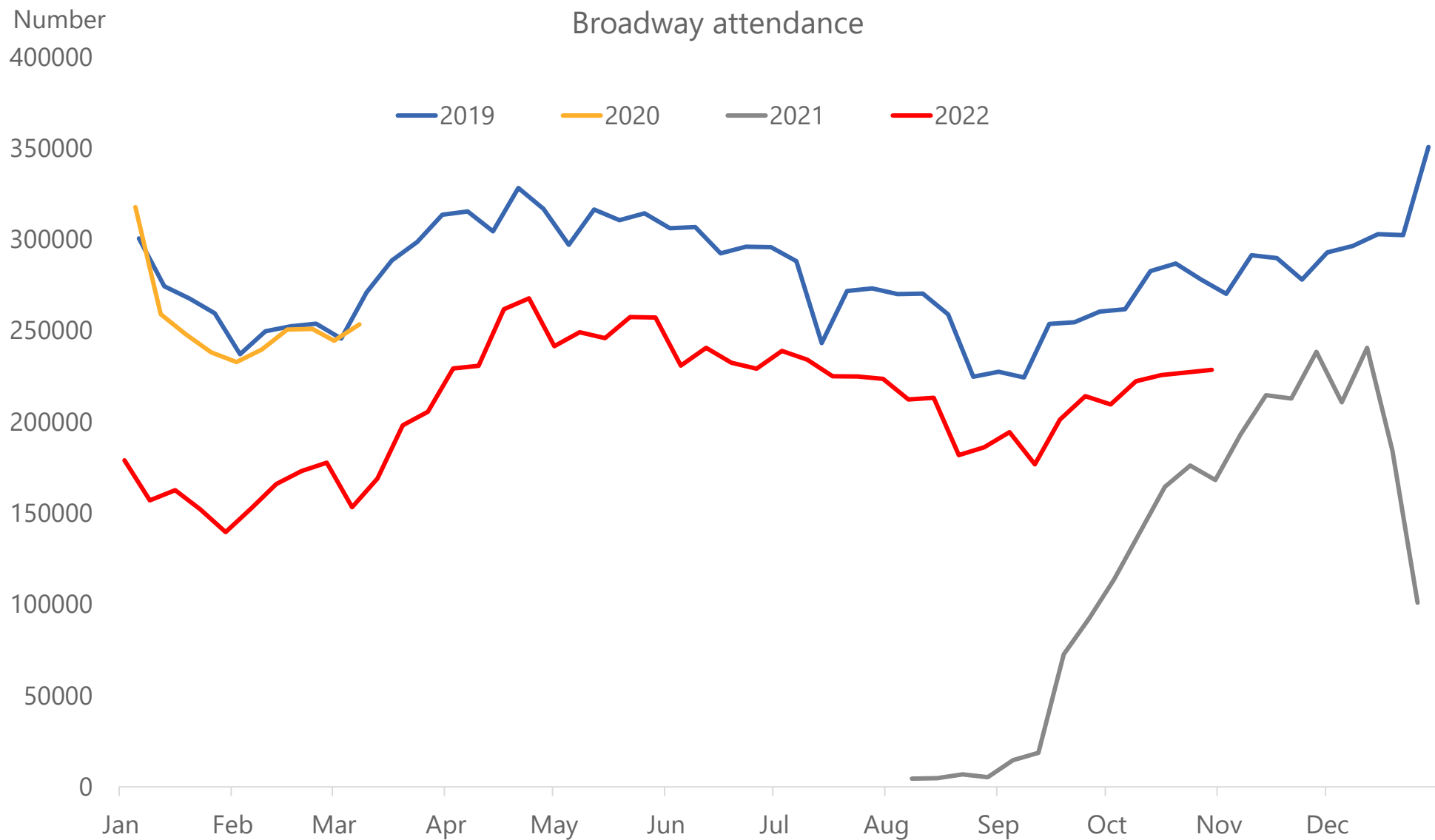
Source: Department of Labor, Bloomberg, Apollo Chief Economist

# Weekly mortgage purchase applications softening



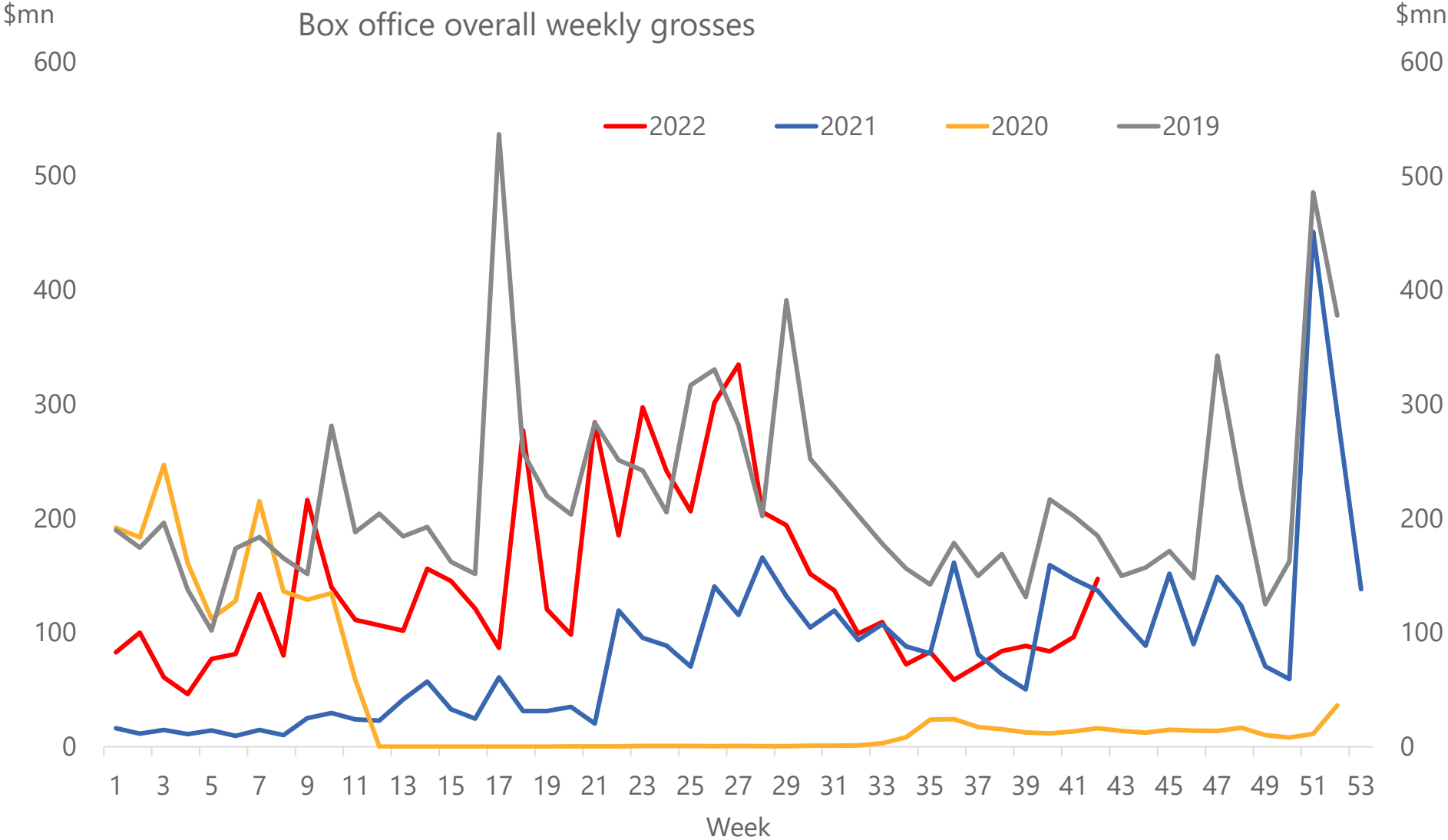
Source: Mortgage Bankers Association, Bloomberg, Apollo Chief Economist

# A lot of people are going to Broadway shows



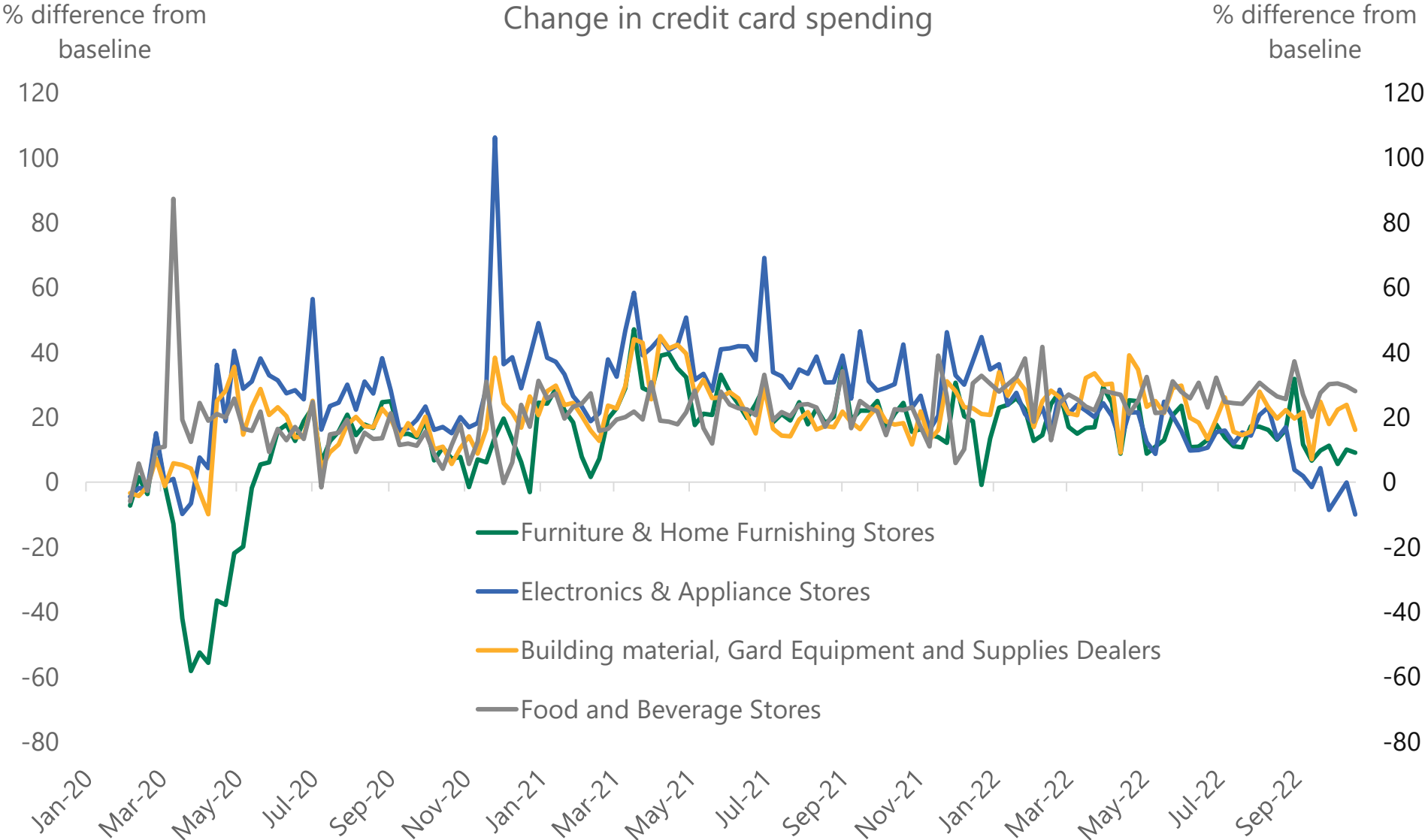
Source: Internet Broadway Database, Apollo Chief Economist

# Modest increase in movie theatre visits



Source: Boxofficemojo.com, Apollo Chief Economist

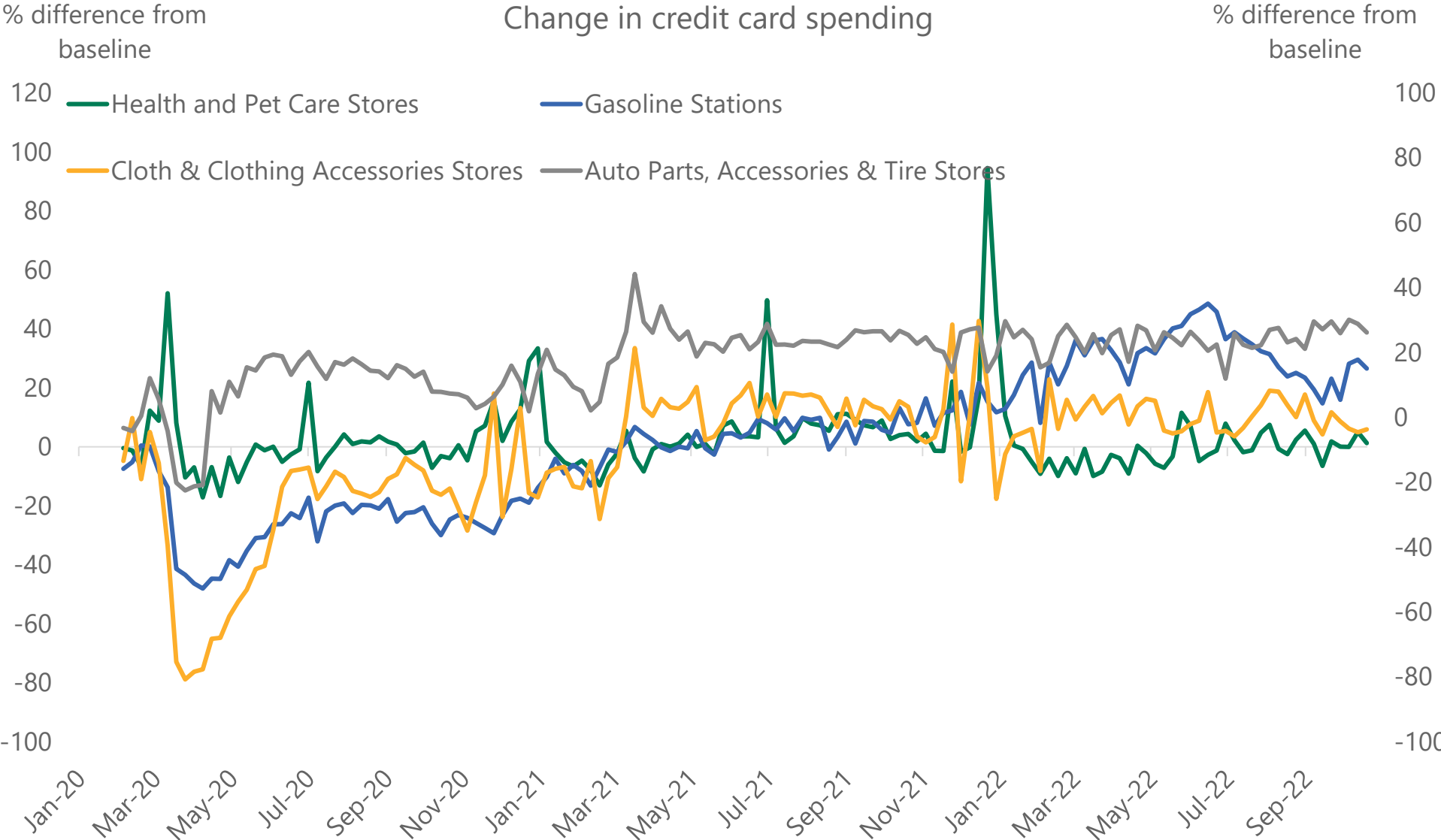
# US consumer still strong, some weakness emerging in furniture sales



Source: BEA, Haver analytics, Apollo Chief Economist. Note: The weekly values represent the predicted percentage difference from the typical level of spending (prior to the pandemic declared by the World Health Organization on March 11, 2020) after adjusting for day-of-week, month, and year effects, based on daily data. The typical level corresponds to a value of zero.

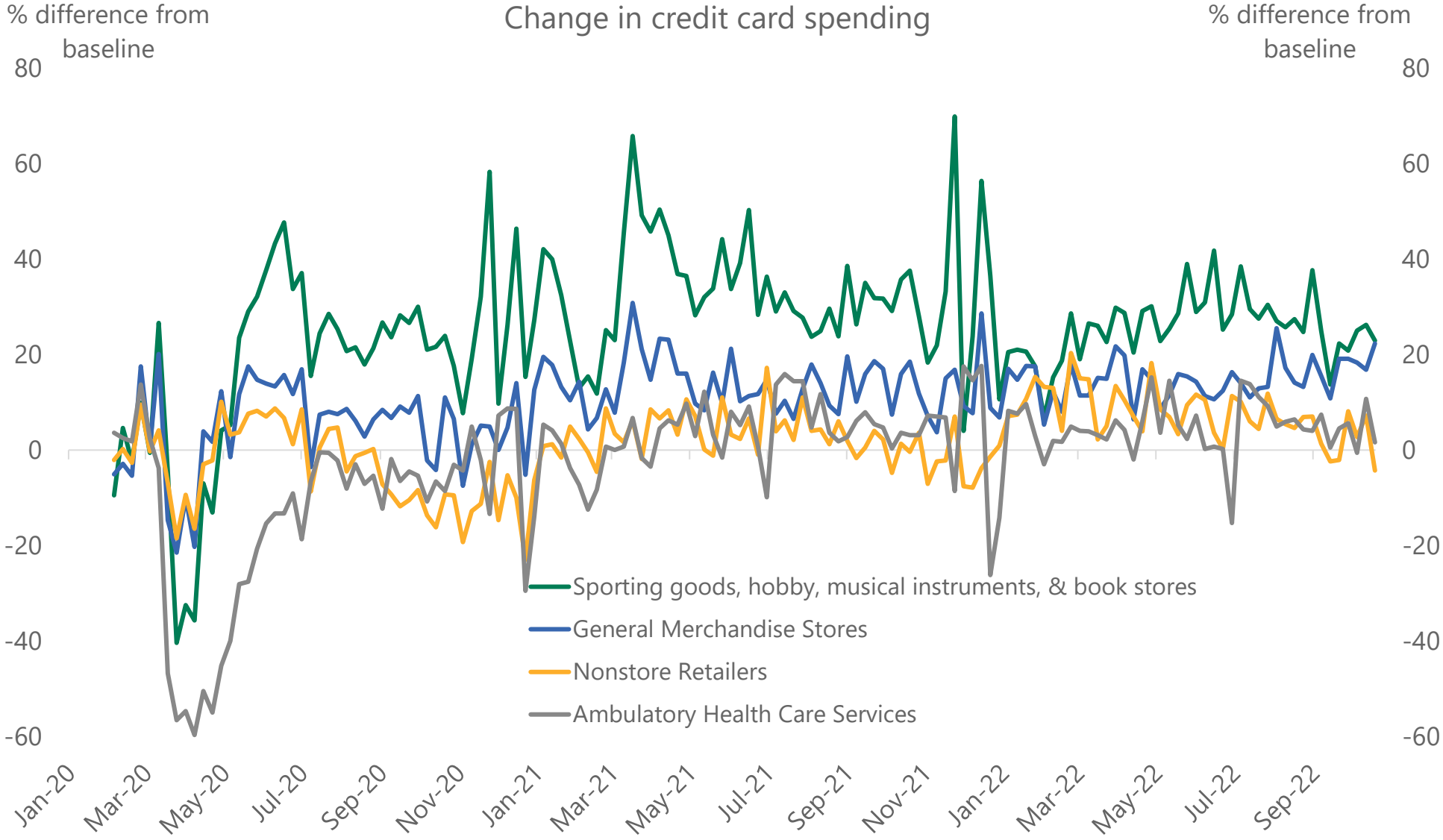


# US consumer still strong



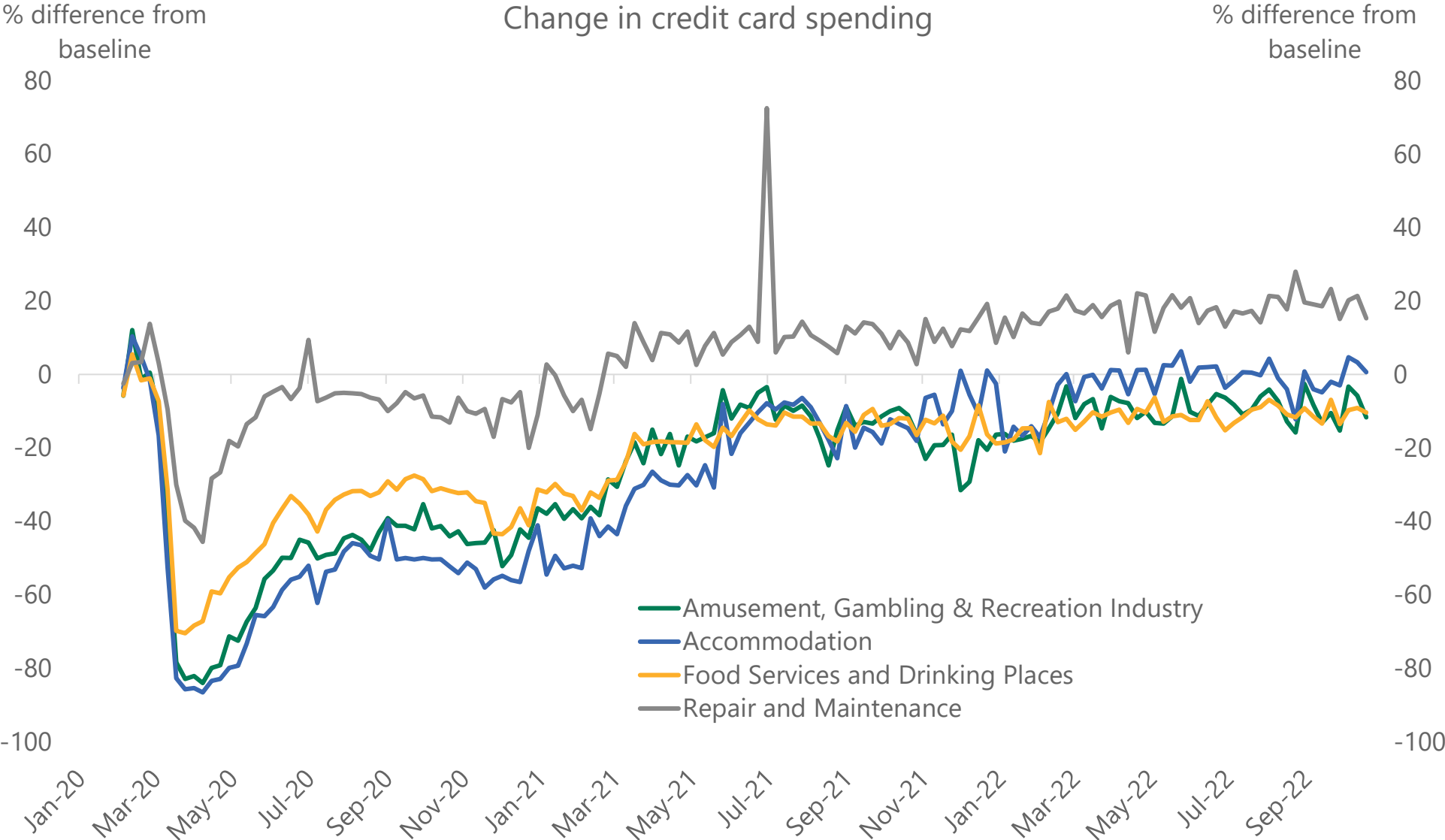
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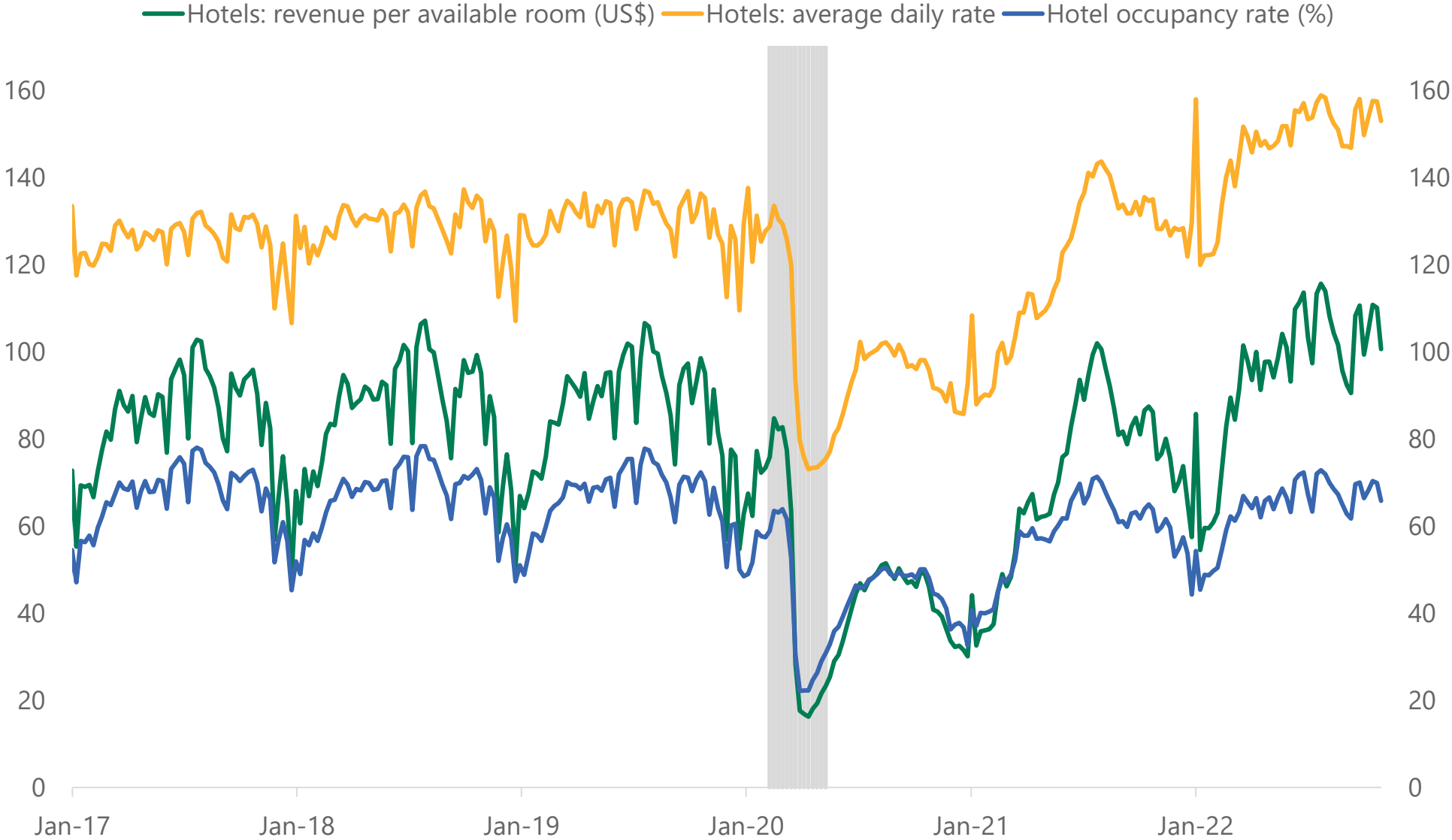
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# US consumer still strong



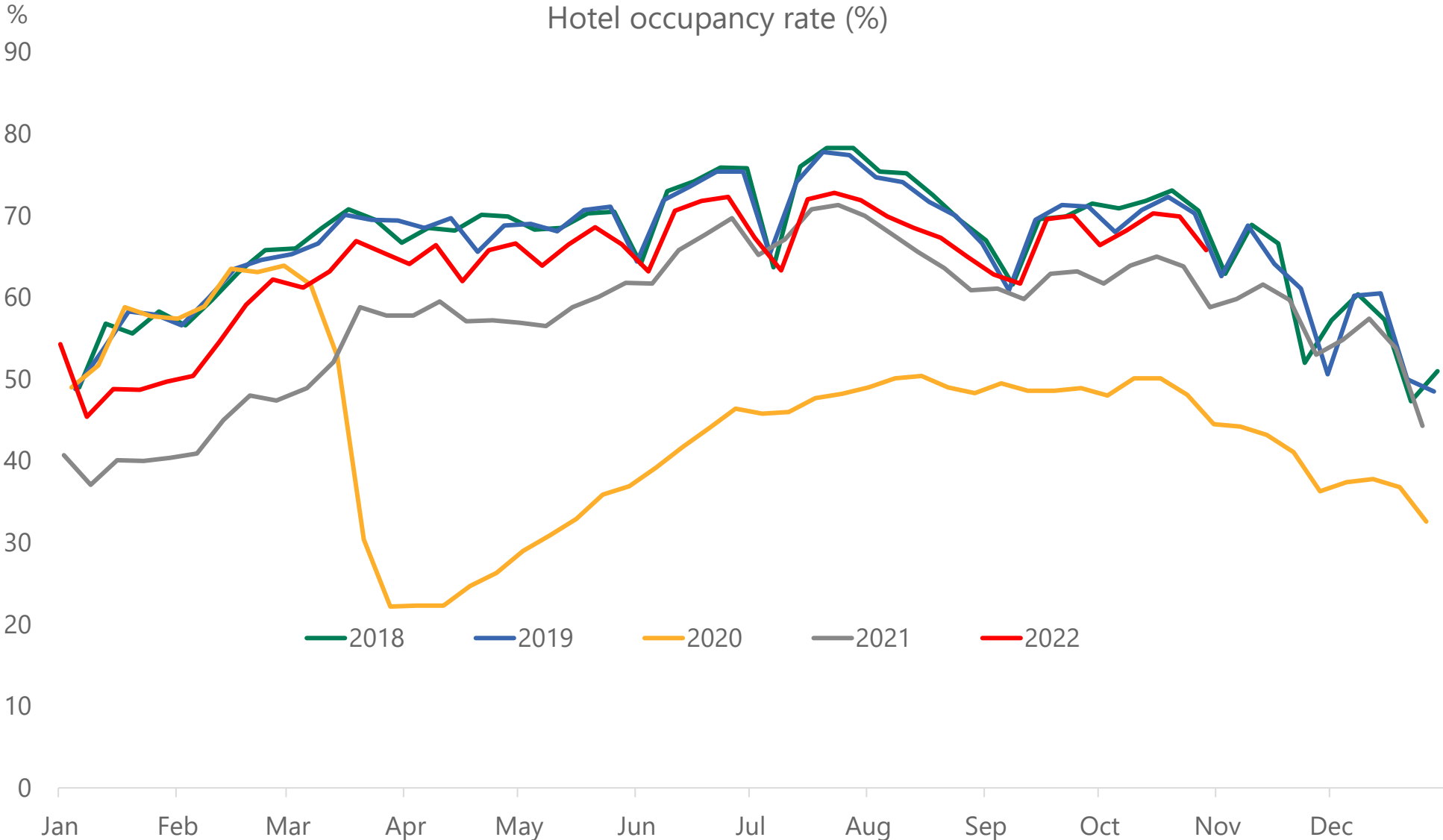
Source: BEA, Haver analytics, Apollo Chief Economist. Note: The weekly values represent the predicted percentage difference from the typical level of spending (prior to the pandemic declared by the World Health Organization on March 11, 2020) after adjusting for day-of-week, month, and year effects, based on daily data. The typical level corresponds to a value of zero.

# Weekly data for hotel demand still strong



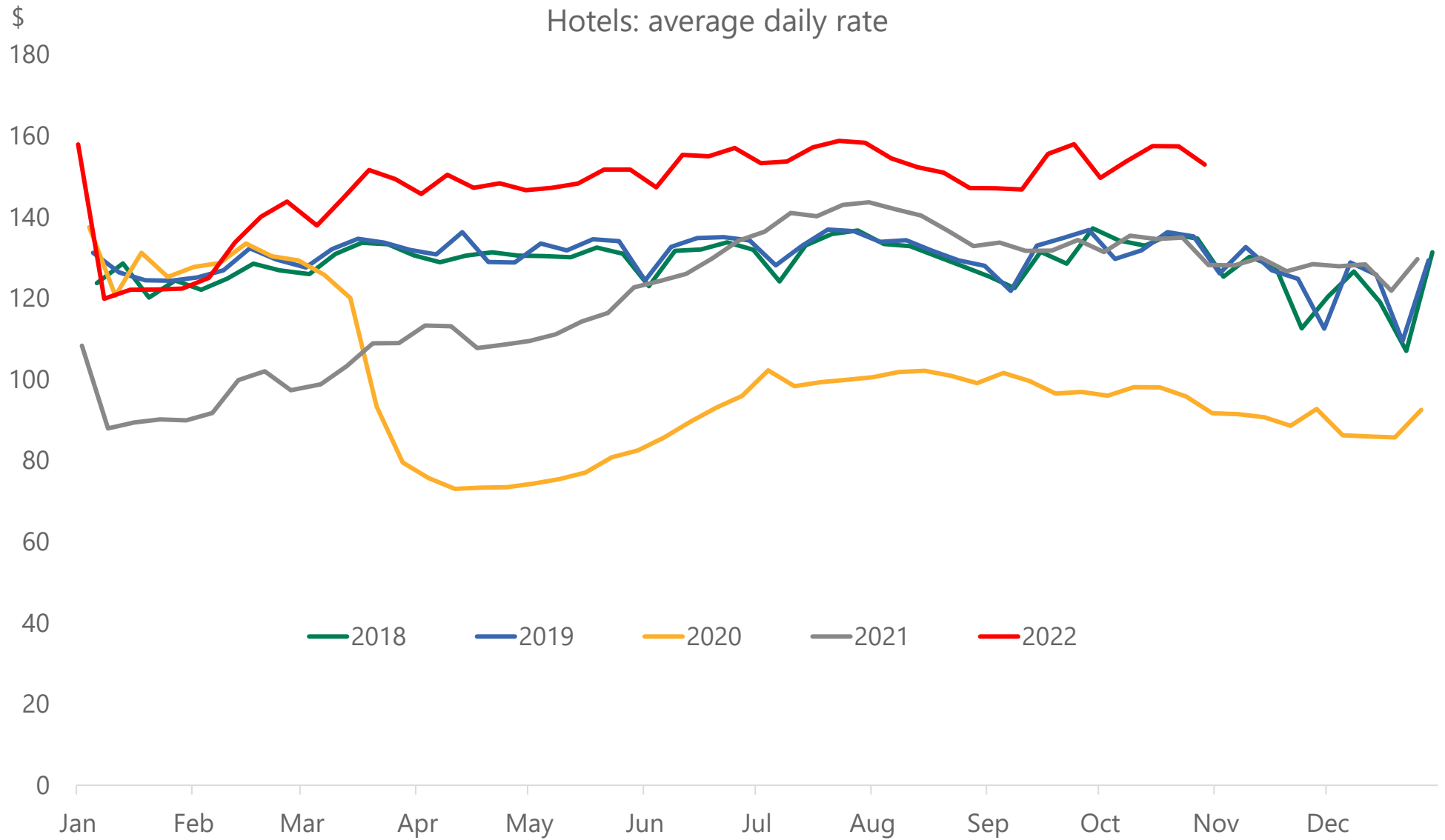
Source: STR, Haver Analytics, Apollo Chief Economist

# Weekly data for hotel demand still strong



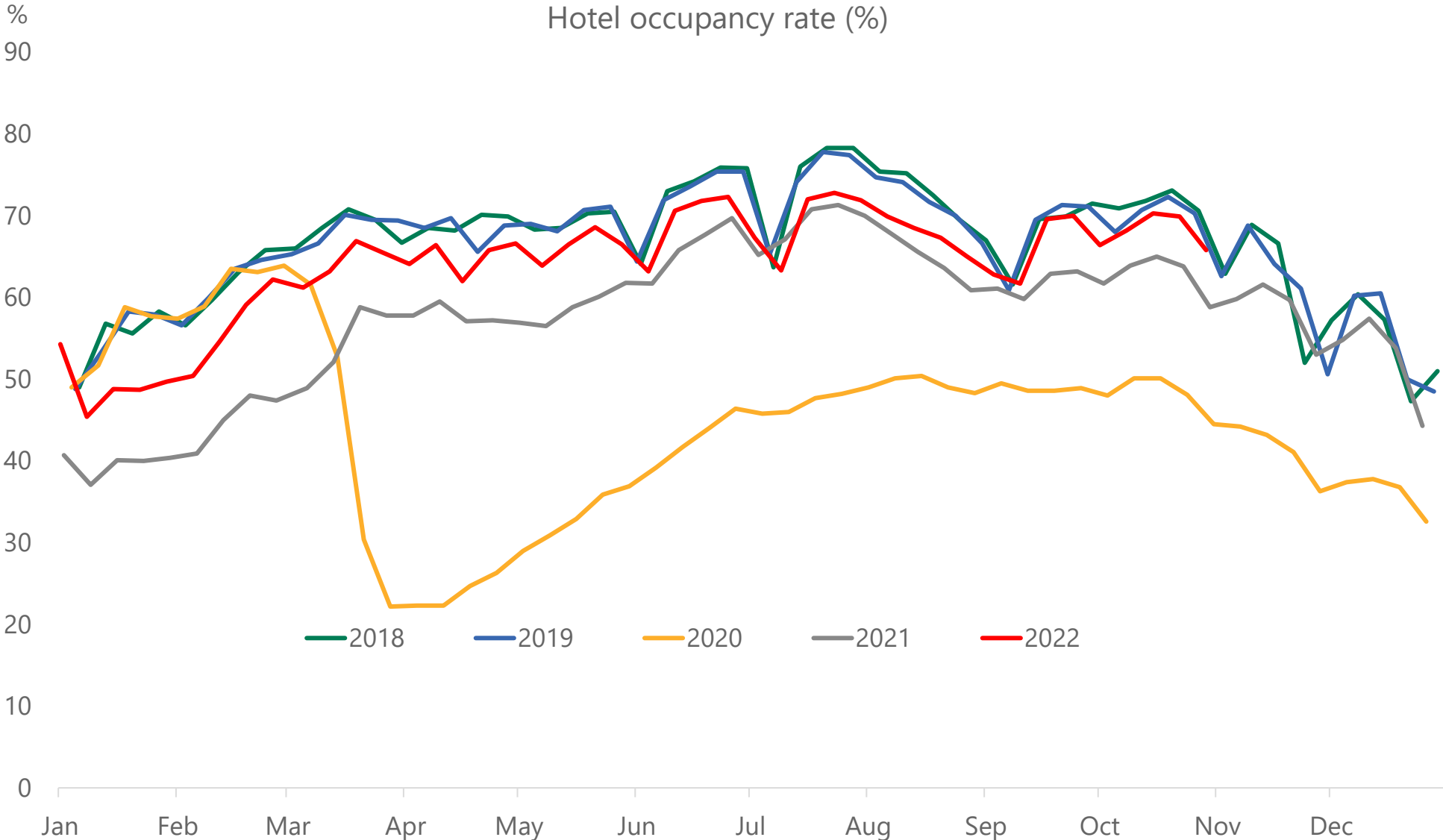
Source: STR, Haver Analytics, Apollo Chief Economist

# Weekly data for hotel demand



Source: STR, Haver Analytics, Apollo Chief Economist

# Weekly data for hotel demand



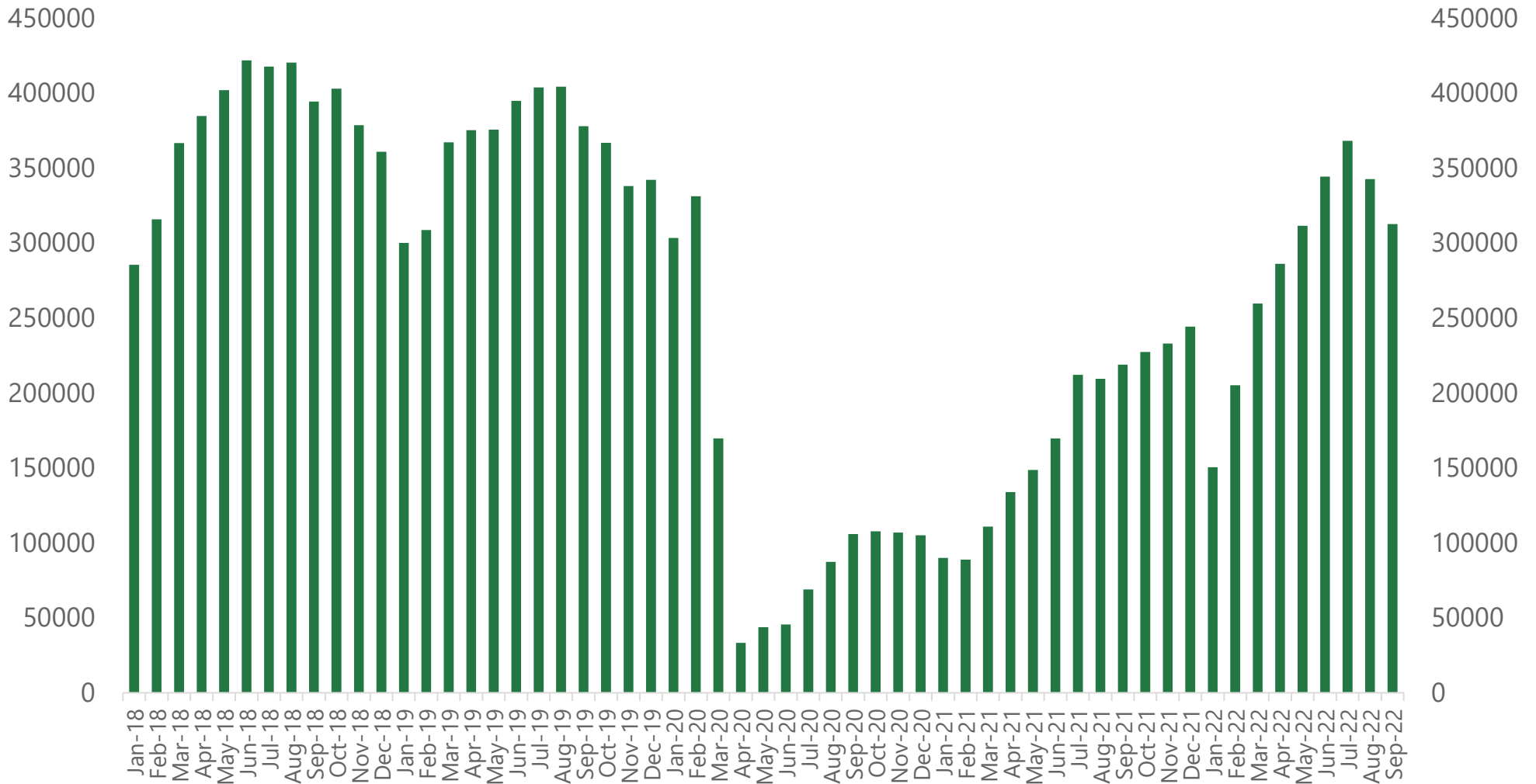
Source: STR, Haver Analytics, Apollo Chief Economist

# Average daily pedestrian count in Times Square now back at pre-pandemic levels

# of persons

# of persons

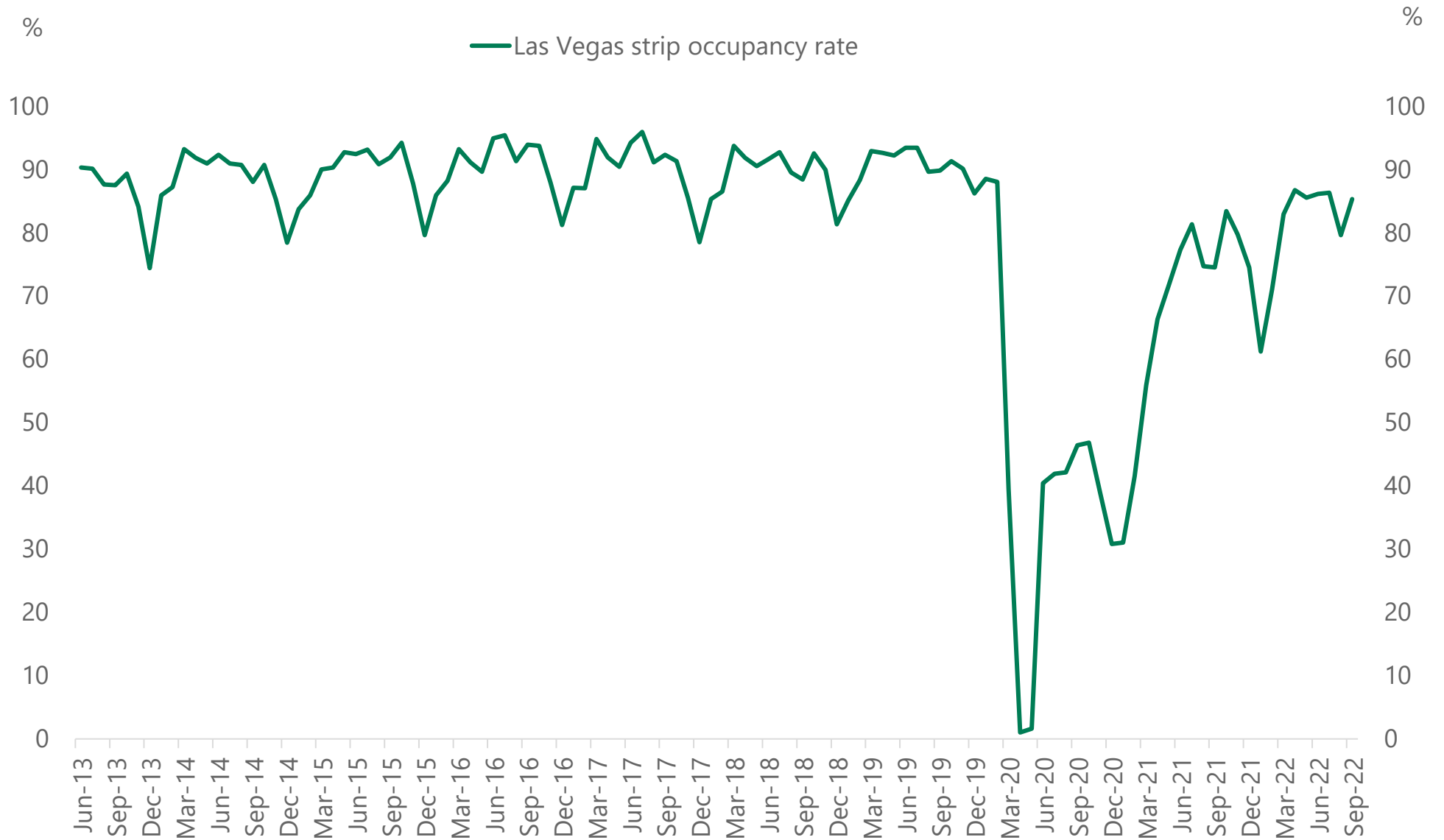
■ Average daily pedestrian count in Times Square



Source: Timesquare.com, Apollo Chief Economist



# Las Vegas occupancy rate at pre-pandemic level

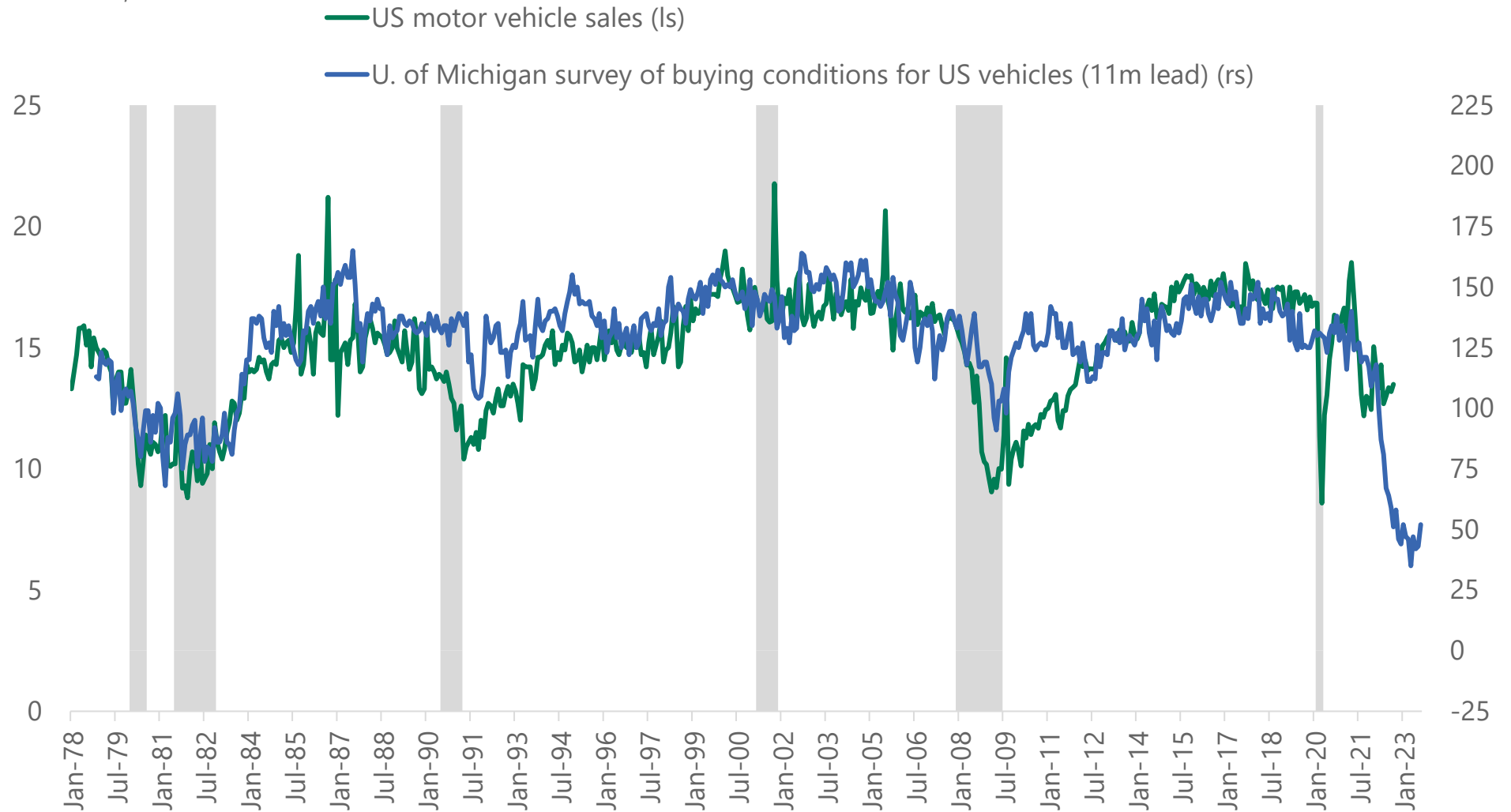


Source: Bloomberg, Apollo Chief Economist

# Significant downside risks to US car sales

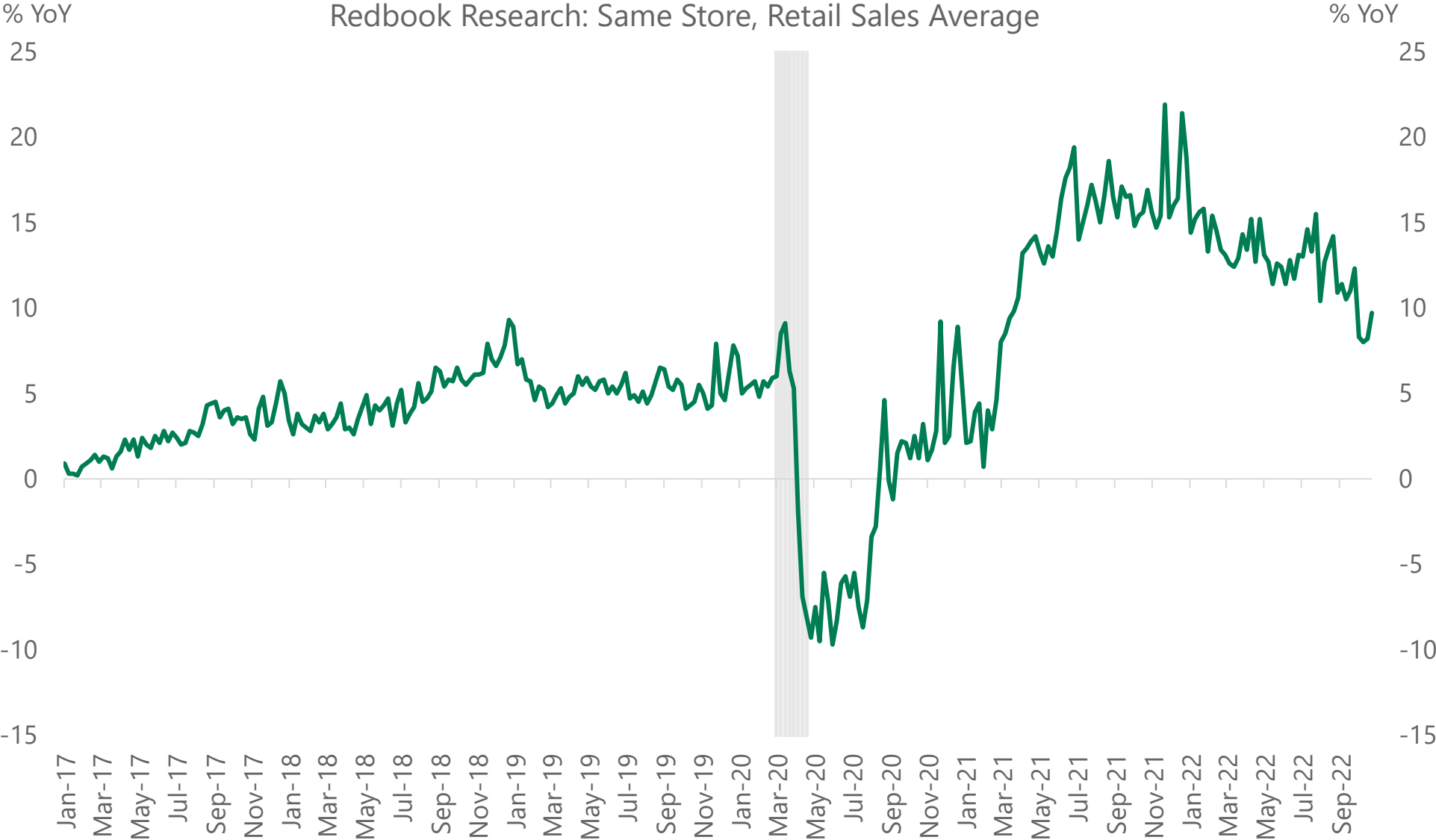
Annualized, mn

Index



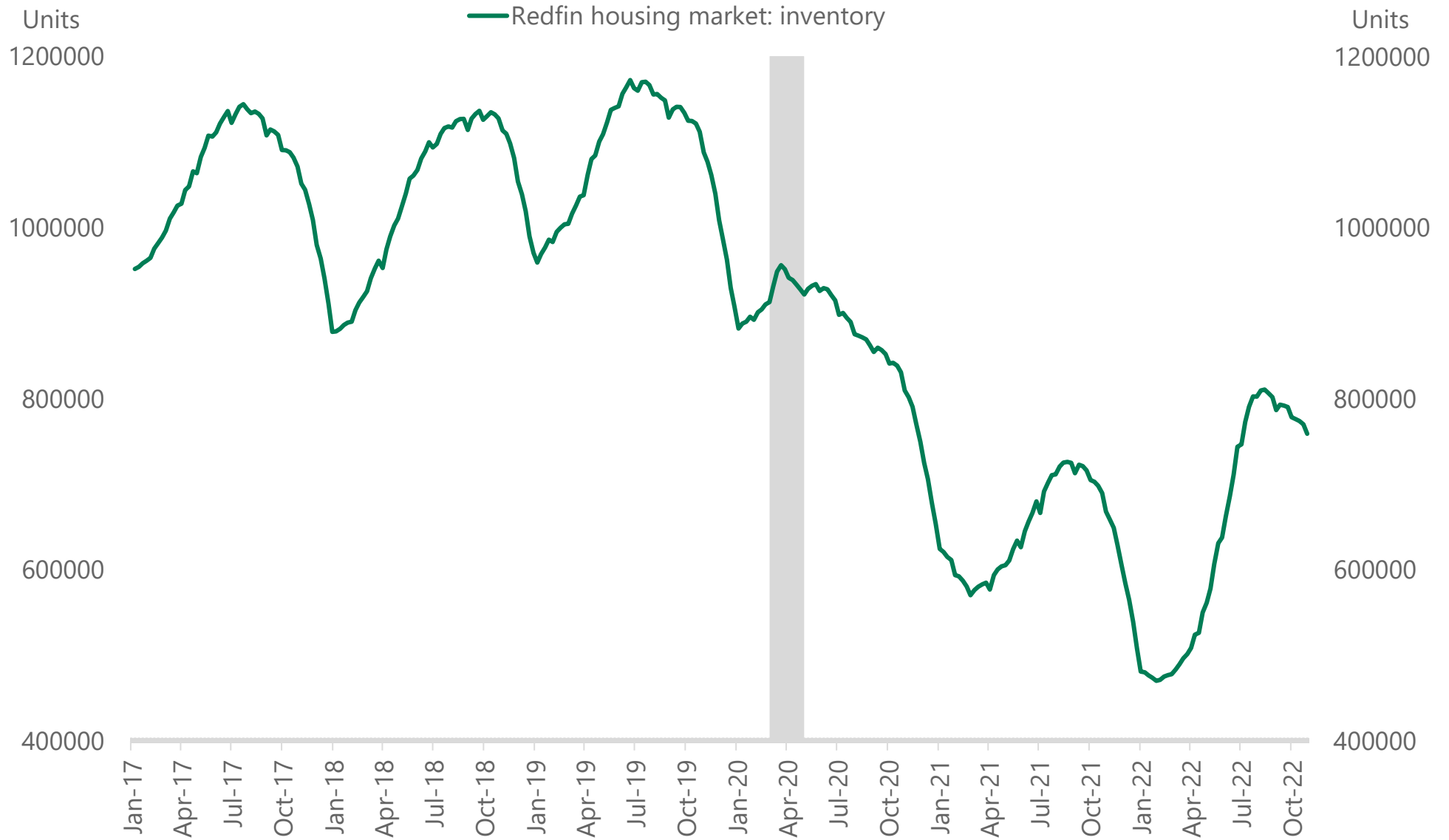
Source: Bloomberg, Apollo Chief Economist

# Same-store retail sales starting to slow down



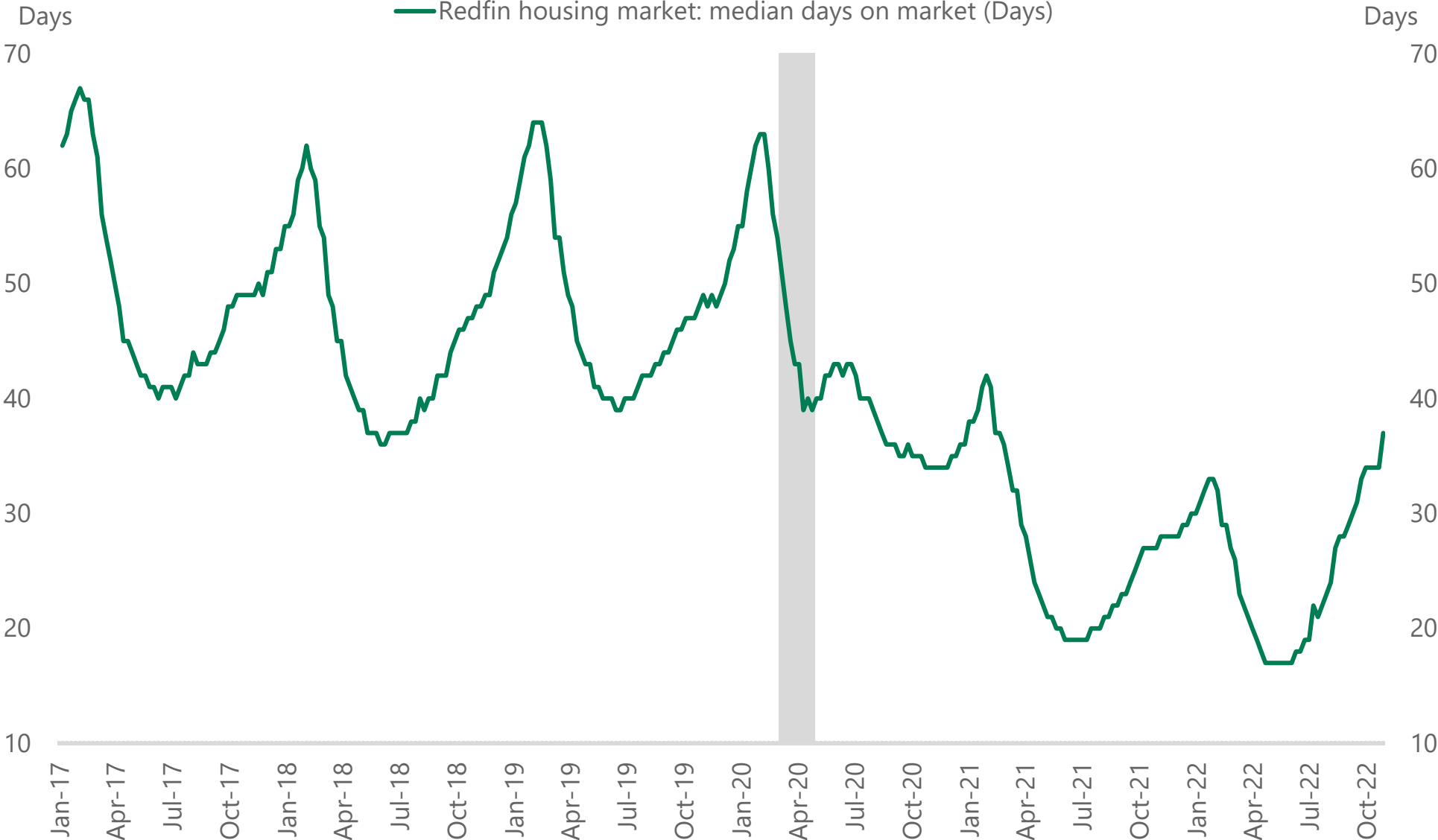
Source: Redbook, Haver Analytics, Apollo Chief Economist

# Weekly housing inventory starting to roll over



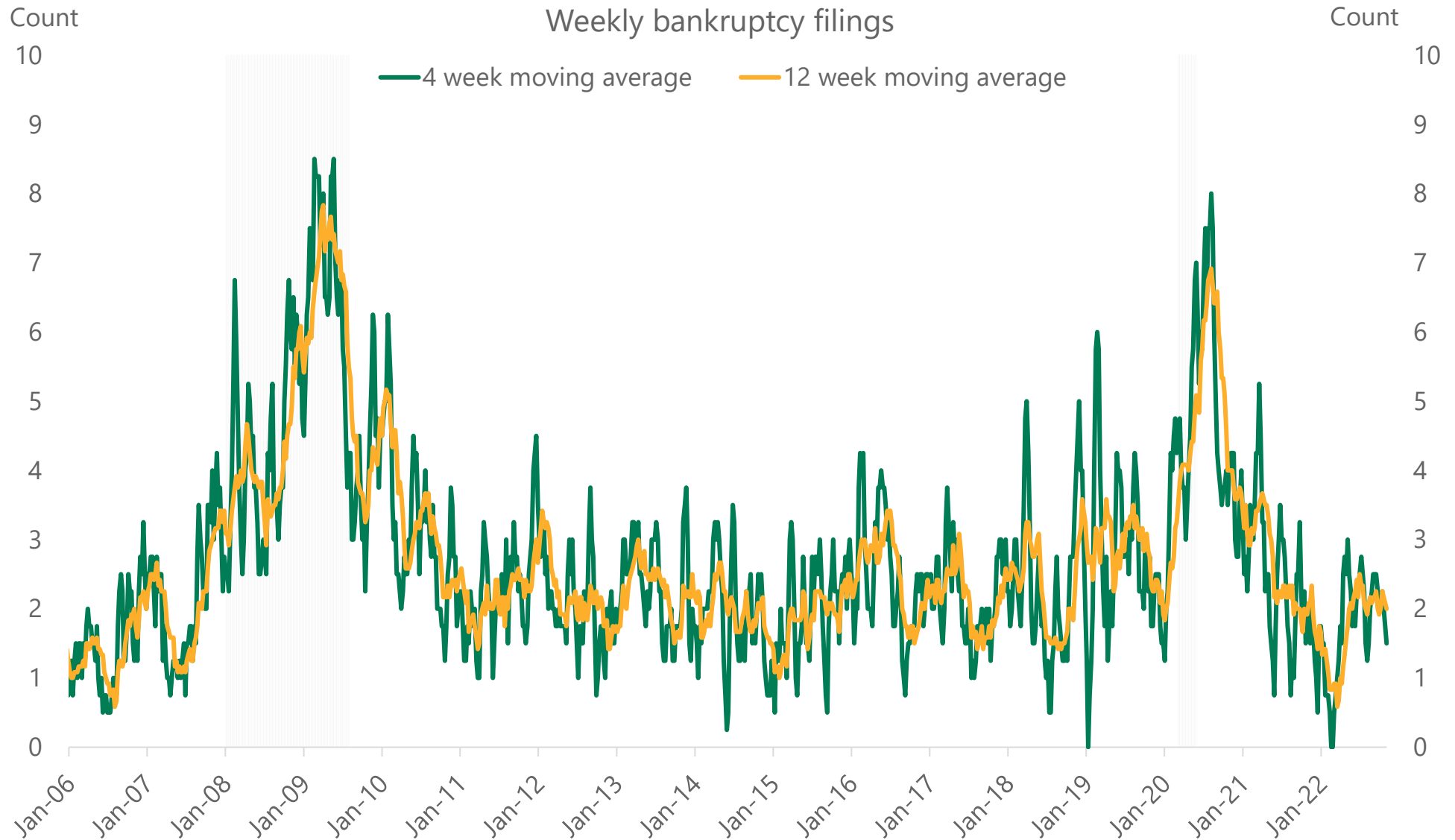
Source: Redfin, Haver, Apollo Chief Economist

# Homes typically sold in 37 days compared to 61 days before pandemic



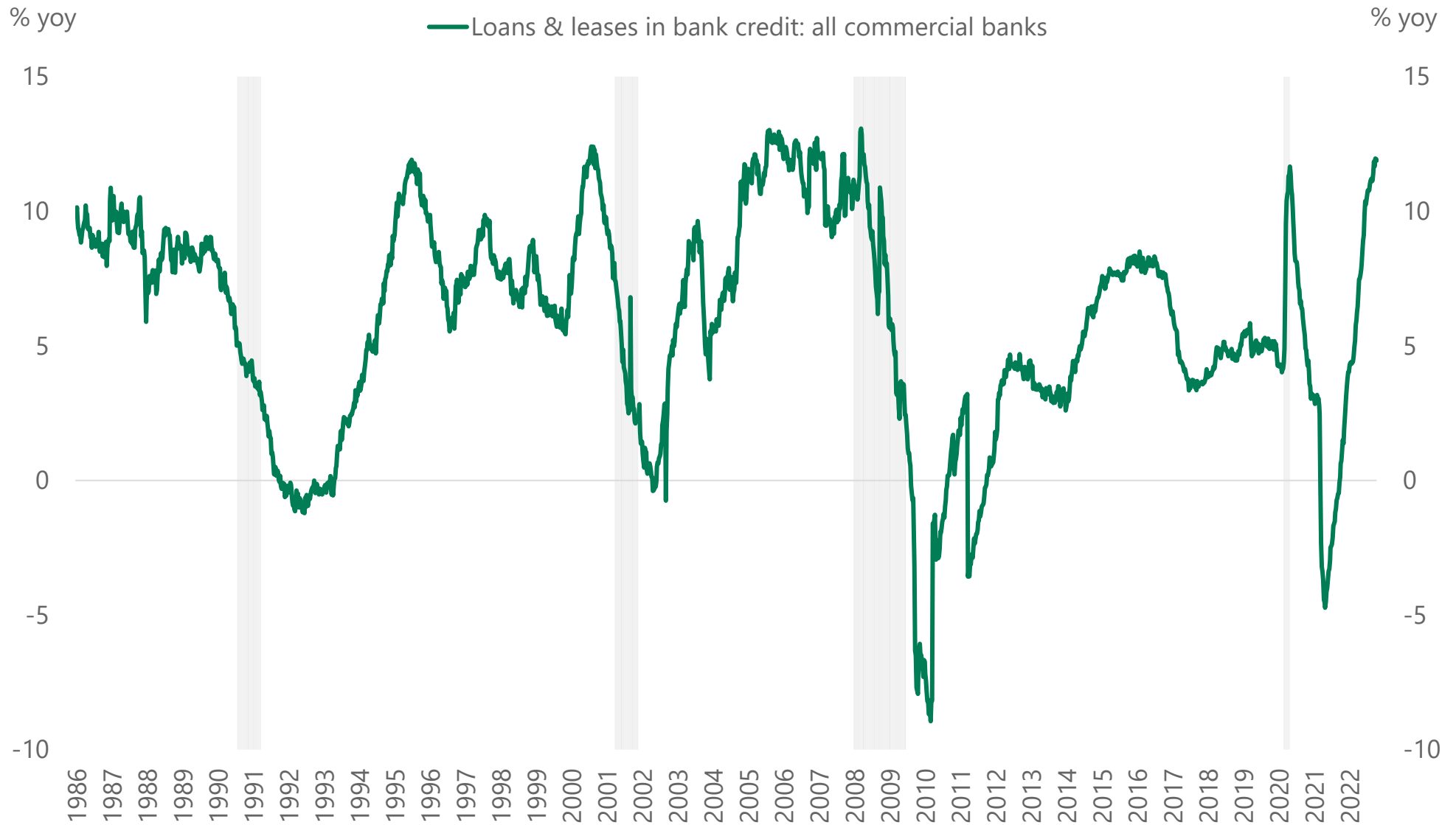
Source: Redfin, Haver, Apollo Chief Economist

# Weekly bankruptcy filings still at normal levels



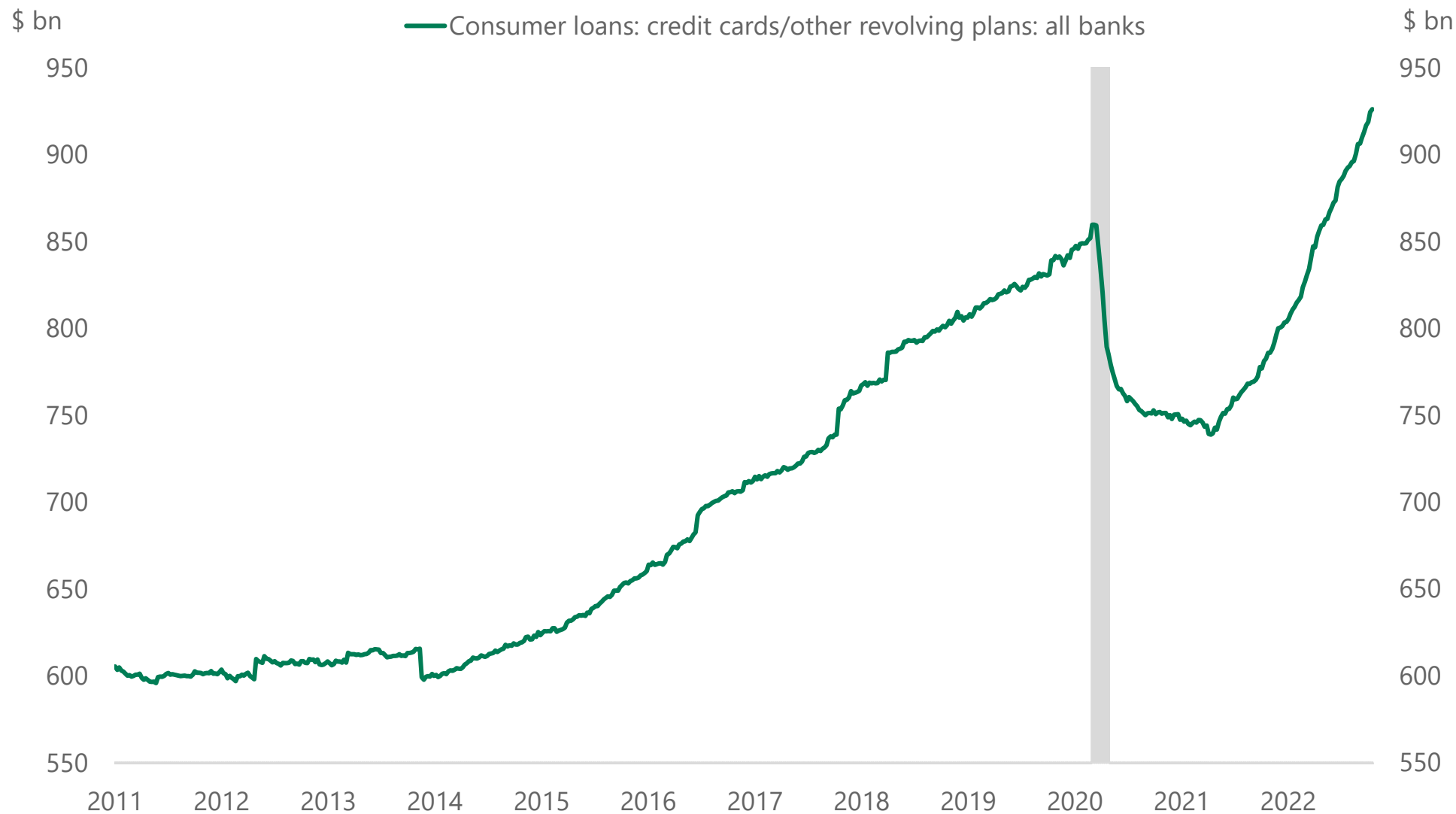
Source: Bloomberg, Apollo Chief Economist. Note: Filings are for companies with more than \$50mn in liabilities. For week ending on Thursday

# Banks' weekly loan growth still strong



Source: FRB, Haver, Apollo Chief Economist

# Weekly credit card debt is rising as the economy re-opens

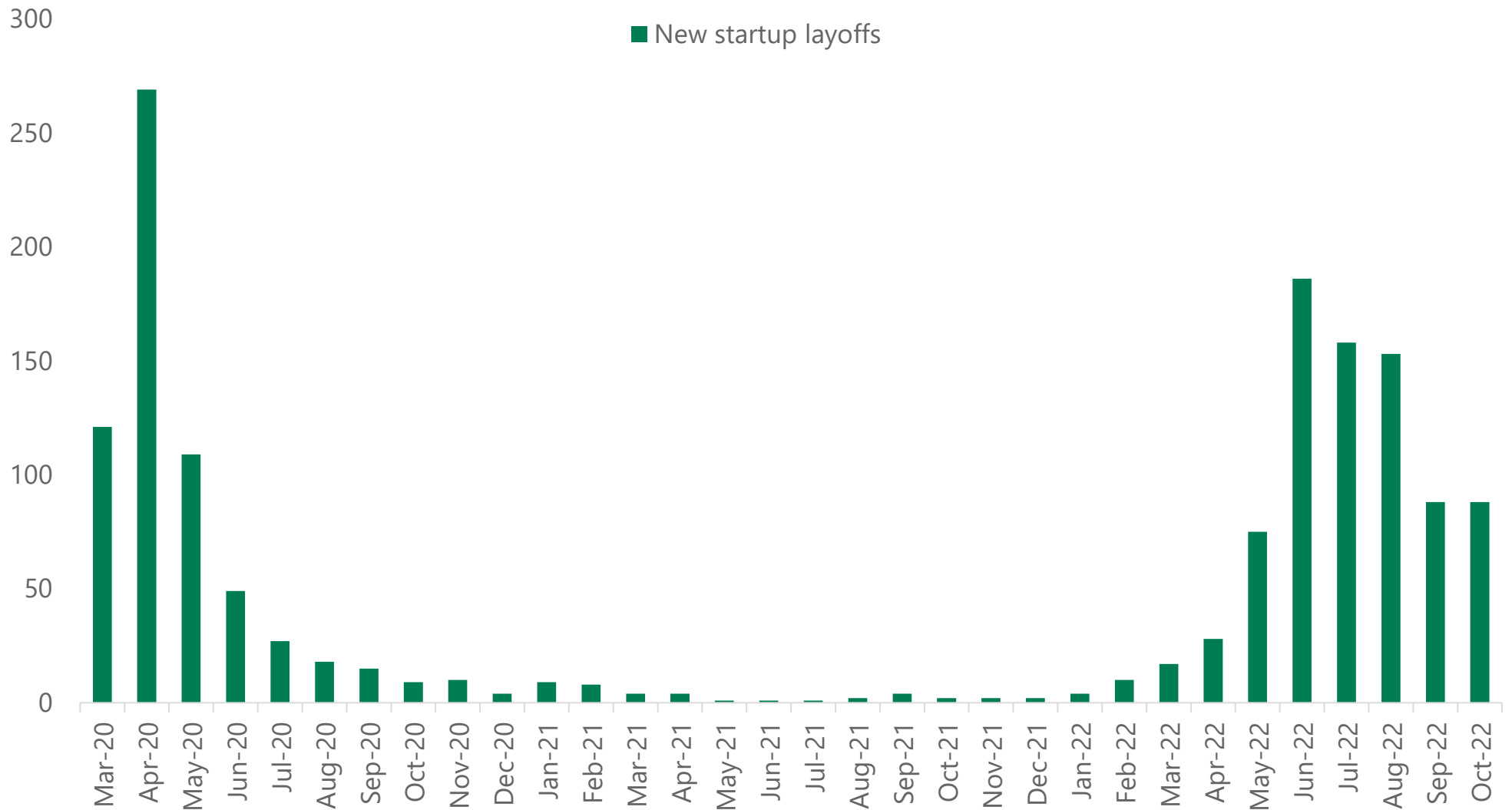


Source: FRB, Haver, Apollo Chief Economist



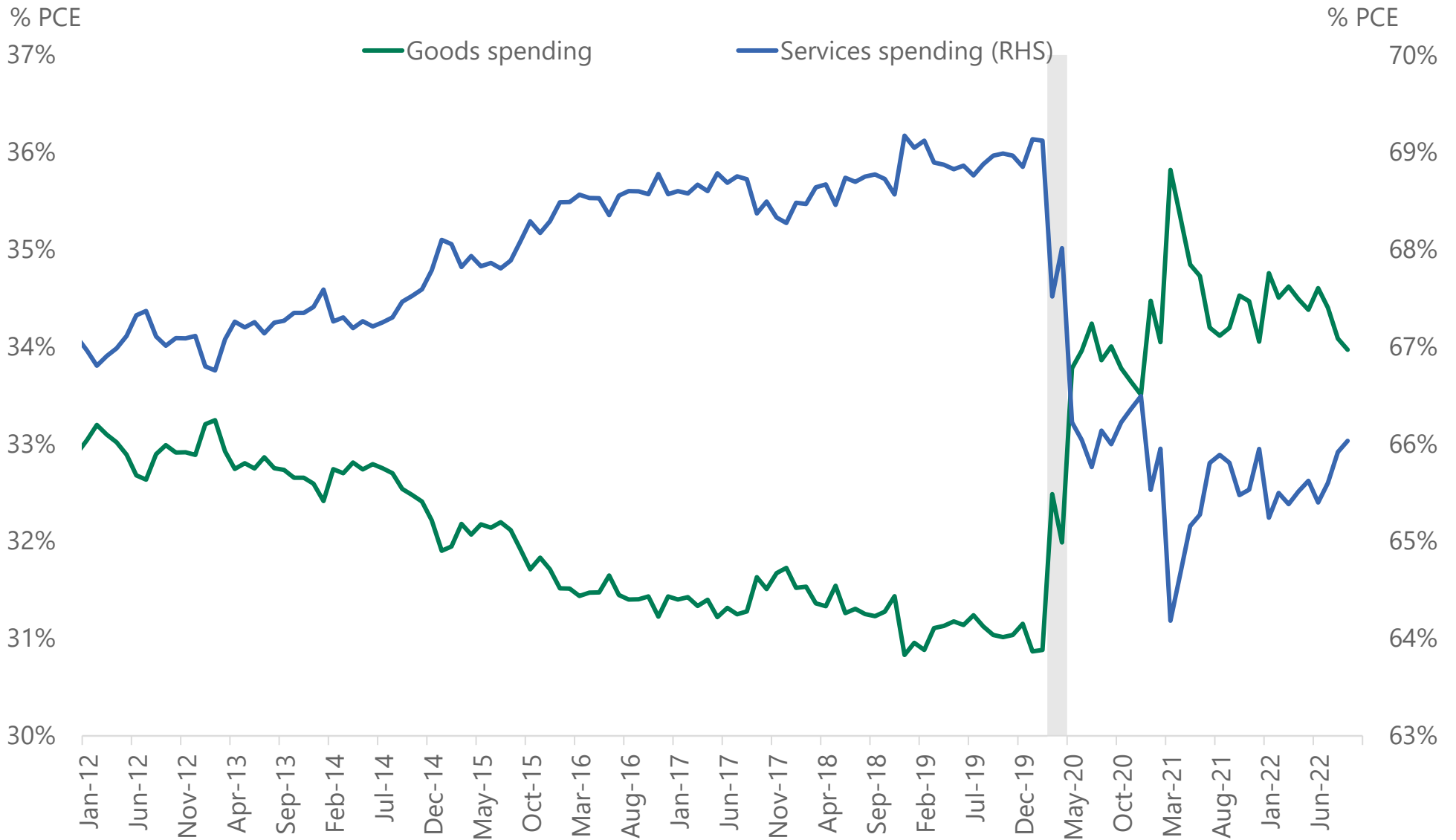
# Layoffs at startups slowing down

# of layoff events



Source: Layoffs.fyi, Apollo Chief Economist. Note: Top 5 sectors that account for layoffs: Transportation, Food, Travel, Finance, and Real Estate.

# Shift from goods to services coming in US consumer spending



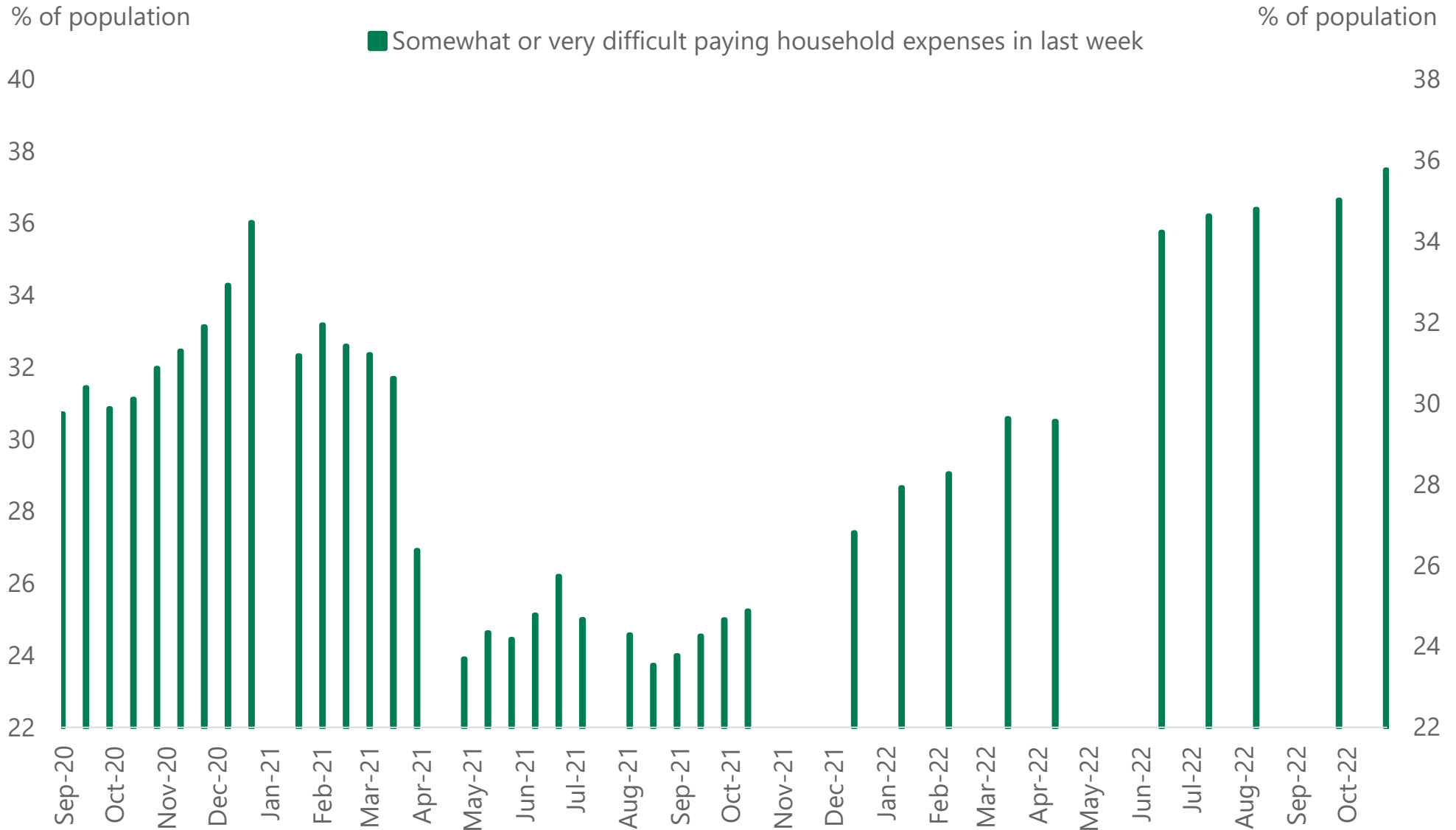
Source: BEA, Haver Analytics, Apollo Chief Economist

# Goods sector inflation slowing. Service sector inflation rising



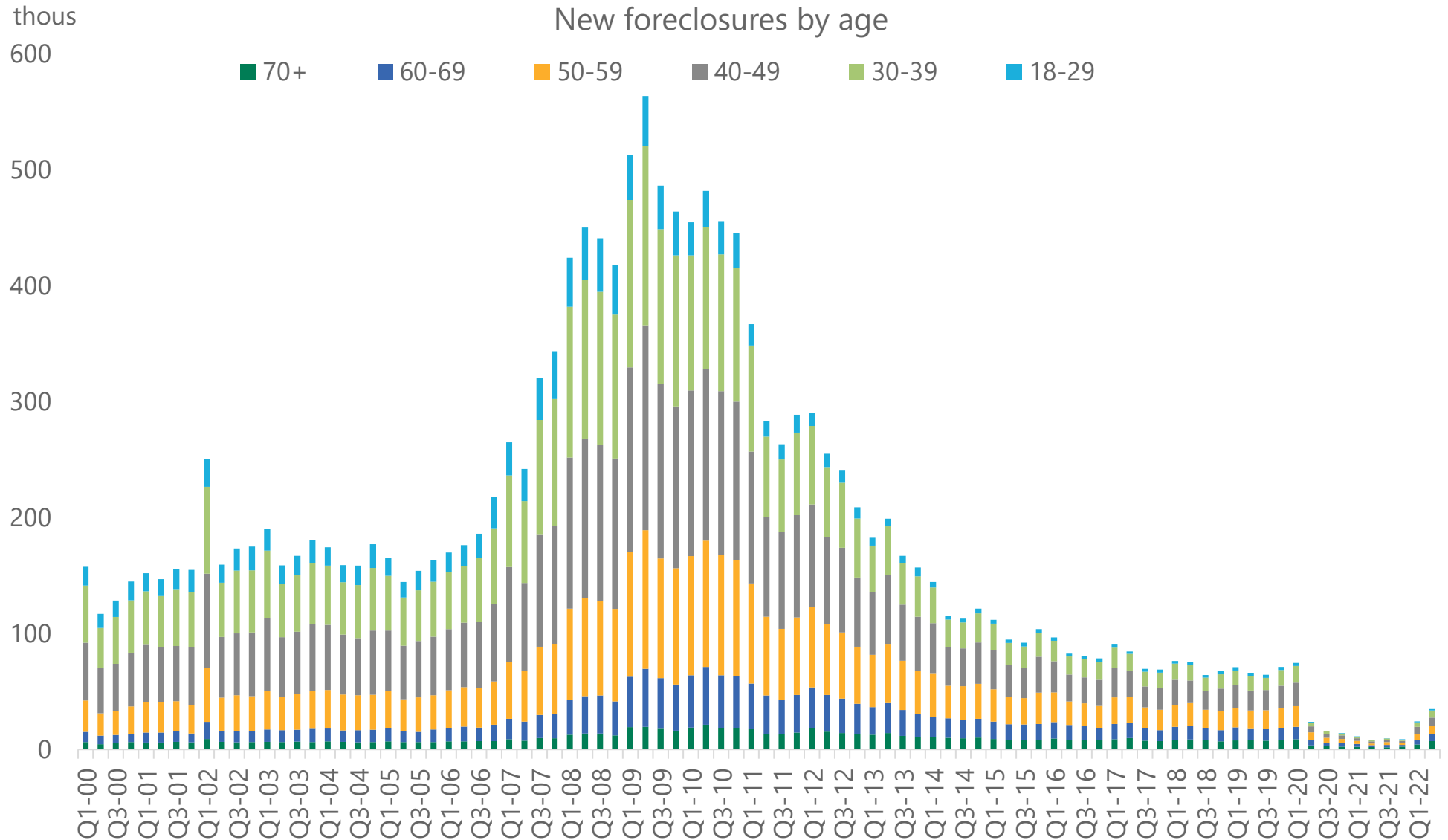
Source: BLS, Haver Analytics, Apollo Chief Economist

# More households having difficulties paying expenses



Source: Census Bureau, Apollo Chief Economist (Note: Household Pulse Survey)

# New foreclosures starting to move up



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

# Heatmap for the US economy and US financial markets

	Dec-19	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Latest	
<b>ECONOMIC CYCLE</b>	Inflation (% YoY)	2.3	1.5	0.6	1.4	1.4	2.6	5.4	5.4	7.0	8.5	9.1	8.2
	Core Inflation (% YoY)	2.3	2.1	1.2	1.7	1.6	1.6	4.5	4.0	5.5	6.5	5.9	6.6
	Economic Growth (% YoY)	2.6	0.8	-8.4	-2.0	-1.5	1.2	12.5	5.0	5.7	3.7	1.8	1.8
	New Home sales (000s)	688.0	610.0	922.0	991.0	871.0	881.0	714.0	732.0	839.0	707.0	571.0	603.0
	Consumer Sentiment	99.3	89.1	78.1	80.4	80.7	84.9	85.5	72.8	70.6	59.4	50.0	59.9
	Inventory to sales ratio (retailers)	1.4	1.5	1.2	1.2	1.3	1.1	1.1	1.1	1.2	1.2	1.2	1.2
	ISM Manufacturing PMI	47.9	49.1	52.4	55.4	60.5	63.7	60.9	60.5	58.8	57.1	53.0	50.2
	Homebuilder sentiment	76	72	58	83	86	82	81	76	84	79	67	38
	Unemployment rate (%)	3.6	4.4	11.0	7.9	6.7	6.0	5.9	4.7	3.9	3.6	3.6	3.5
	Average hourly wage (% YoY)	2.9	3.6	5.1	4.8	5.5	4.4	4.0	4.8	4.9	5.6	5.2	5.0
	JOLTS Quits rate (%)	2.3	2.0	1.9	2.2	2.4	2.6	2.8	2.9	3.0	2.9	2.8	2.7
	Jobless claims	238.0	2316.8	1490.3	851.8	836.8	669.3	419.5	370.0	221.8	178.0	231.8	206.3
<b>MARKET CYCLE</b>	S&P 500 Forward P/E ratio	18.3	16.3	21.7	21.5	22.7	21.9	21.3	20.1	21.4	19.5	15.9	16.1
	IG Spread (bps)	101	305	160	144	103	97	86	89	98	122	164	164
	HY Spread (bps)	360	877	644.0	541	386	336.0	304	315	310	343	587	481
	Yield curve (bps)	31	22	65	59	84	154	144	129	139	193	193	96
	10 year yield	1.92	0.67	0.66	0.69	0.92	1.74	1.47	1.49	1.51	2.34	3.02	4.14
	VIX	13.8	53.5	30.4	26.4	22.8	19.4	15.8	23.1	17.2	20.6	28.7	25.3
	MOVE Index	58.3	83.9	54.1	39.2	49.0	71.3	57.3	61.1	77.1	106.9	135.5	136.3
	M&A Transaction value (\$bn)	483.2	365.0	155.9	557.8	762.8	716.0	929.7	859.7	850.1	714.6	685.6	397.5
	S&P 500 buybacks (\$bn)	181.6	198.7	88.7	101.8	130.6	178.1	198.8	234.6	270.1	281.0	219.6	219.6
	IPO volume (\$bn, 3 month sum)	12.2	23.0	29.3	65.4	65.7	147.8	48.7	39.5	52.2	8.6	3.1	1.1
	SPAC volume (\$bn, 3 month sum)	3.8	5.9	11.9	40.4	39.3	110.3	14.0	14.0	21.3	4.7	2.5	0.7

Source: Apollo Chief Economist. Colours based on deviation from mean. Green = mean +/- 0.5 stdev; Yellow = +/- 0.5 to 1 stdev; Red = +/- 1 stdev. For PMI>50 is red and less than 50 is green. Consumer sentiment and MOVE > mean is red and < mean is green and for jobless claims vice-versa. Data starts in 2010.

# Heatmap for the EU economy and EU financial markets

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<b>ECONOMIC CYCLE</b>	Inflation (% YoY)	1.3	0.7	0.3	-0.3	-0.3	1.3	1.9	3.4	5.0	7.4	8.6	10.7
	Core Inflation (% YoY)	1.3	1.0	0.8	0.2	0.2	0.9	0.9	1.9	2.6	3.0	3.7	5.0
	Economic Growth (% YoY)	1.2	-2.9	-14.2	-3.8	-4.1	-0.8	14.2	3.9	4.8	5.5	4.3	2.1
	New residential building permits	144.1	112.9	115.6	115.6	128.3	143.6	136.2	134.5	143.6	165.8	152.1	152.1
	Consumer Confidence	-7.8	-12.1	-14.3	-12.9	-12.2	-9.6	-1.9	-3.7	-9.3	-21.7	-23.8	-27.6
	ISM Manufacturing PMI	46.3	44.5	47.4	53.7	55.2	62.5	63.4	58.6	58.0	56.5	52.1	46.4
	Economic sentiment indicator	103	95	76	95	97	103	116	118	114	106	103	93
	Unemployment rate (%)	7.5	7.2	8.1	8.6	8.2	8.2	7.9	7.3	7.0	6.8	6.7	6.6
	wages & salaries	1.3	-0.5	-10.4	-4.3	-2.0	-0.2	10.3	4.1	3.2	6.0	5.5	5.5
	<b>MARKET CYCLE</b>	EURO STOXX Forward P/E ratio	14.3	12.6	16.9	16.8	17.7	18.0	17.0	15.2	15.2	12.9	10.8
IG Spread (bps)		94	238	148	118	93	91	84	85	98	129	212	213
HY Spread (bps)		308	754	521.0	472	355	314.0	296	304	331	400	641	574
Yield curve (bps)		0.312	0.026	0.044	-0.023	-0.072	0.207	0.291	0.3	0.318	1.045	1.833	0.78
10 year yield		-0.19	-0.47	-0.46	-0.52	-0.57	-0.29	-0.21	-0.20	-0.18	0.55	1.33	2.25
VIX		15.6	53.3	35.7	30.5	28.7	21.1	21.5	26.9	21.8	32.1	31.2	24.1

Source: Apollo Chief Economist. Colours based on deviation from mean. Green = mean +/- 0.5 stdev; Yellow = +/- 0.5 to 1 stdev; Red = +/- 1 stdev. For PMI>50 is red and less than 50 is green. Consumer sentiment and MOVE > mean is red and < mean is green and for jobless claims vice-versa. Data starts in 2010.

# Biography



## **Torsten Slok, Ph.D.**

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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.