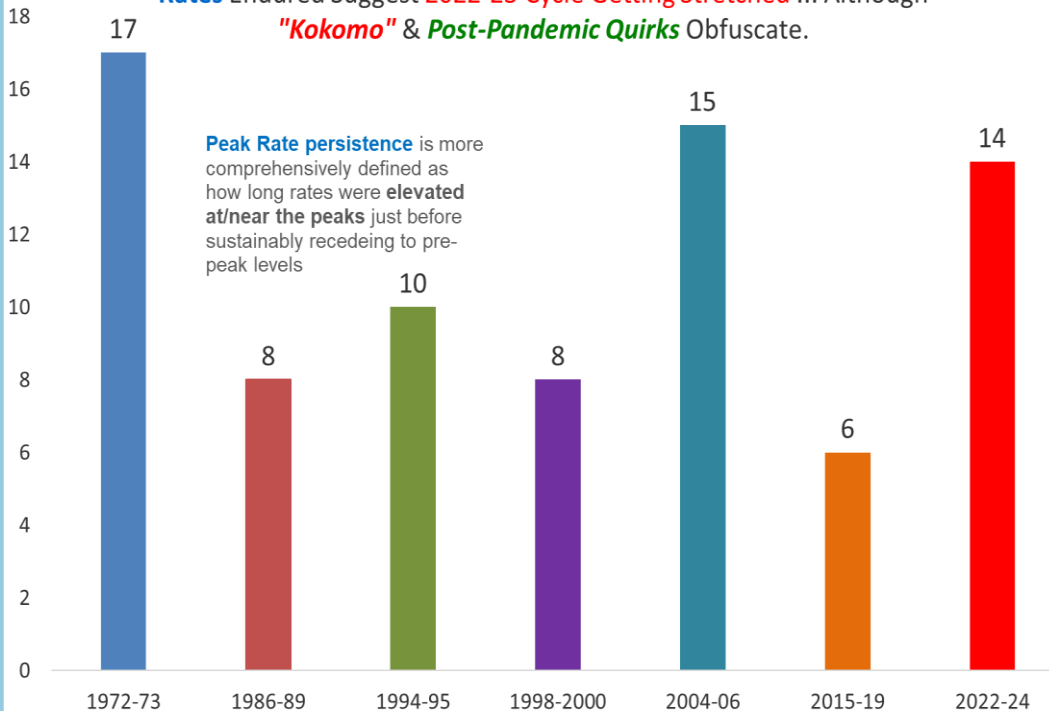


Goldilocks Threatened

Between Pivot Cheer & (Fed) Fumble Fears

Gauging "For Longer" (Number of Months): **Comparative Persistence of Peak Rates** Endured Suggest 2022-23 Cycle Getting Stretched ... Although "Kokomo" & Post-Pandemic Quirks Obfuscate.



Sources: Bloomberg, Mizuho

Private and confidential

Photo Credits: Shutterstock, FT

“A man that flies from his fear may find that he has only taken a short cut to meet it.”

- J.R.R Tolkien

“I find your lack of faith disturbing”

- Darth Vader, Star Wars

MIZUHO

August 2024

This Time It is Different? Euphoria

1. Fed's "Type-2" Miscalculation Risk

- a. Cooling Inflation Accentuate **Exceptionally Tight Conditions**
- b. Especially Risky Given **Stress from Tightening US Consumer Cashflows**
- c. & Risk of ***Lagging*** Jobs Deterioration that May Soon **Demand Sharper Pivot**
- d. Risk View to Stoic Fed: **Deeper Cuts by H1 2025!**
- e. Sahm Rule's Recession Gauge Reveals **Fragile "Goldilocks" Assumptions**

2. Spillover Risks ... *via Unintended JPY Shocks*

- a. **Hyper-sensitivity to US Recession Risks** & Attendant FOMC Bets
- b. Between Goldilocks Pivot & Recession Fears is "Risk Off" & Volatility
- c. Box Item: **JPY Carry Unwind Risks**
- d. USD/JPY a *Conduit for Risk Retrenchment*

3. Challenging Received Wisdom on Bearish Pivot USD

- a. **Bearish USD on Peak Fed** is Common, But **Not Without Exception**
- b. USD Retains Some Relative Policy Advantage ...
- c. Not to Confuse Peak USD for Bearish USD

4. Why AXJ Reversion is Not Guaranteed?

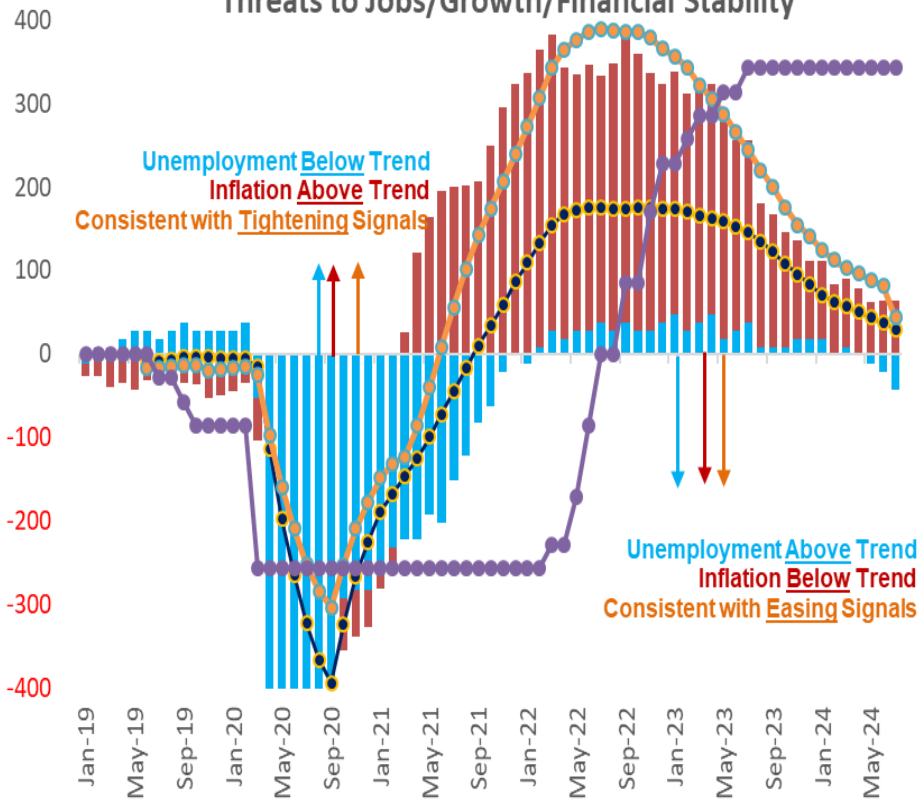
- a. AXJ Relative Under-performance On a Conspiracy of Eroding Advantages
- b. Specific Structural Factors
- c. Carry Unwind Risks on JPY Upside Volatility

5. Especially in the Context of CNH Risks

- a. China & Attendant CNH Risks Loom Large
- b. Exceptional CNY Pressures Amplifies Policy Conundrum ...
- c. CNY Carry Unwind is a Distraction Sympathetic Drag is the Bigger AXJ Threat

1a. Conditions are **Exceptionally Tight** – Taylor Rule Does Not Require Such Restriction

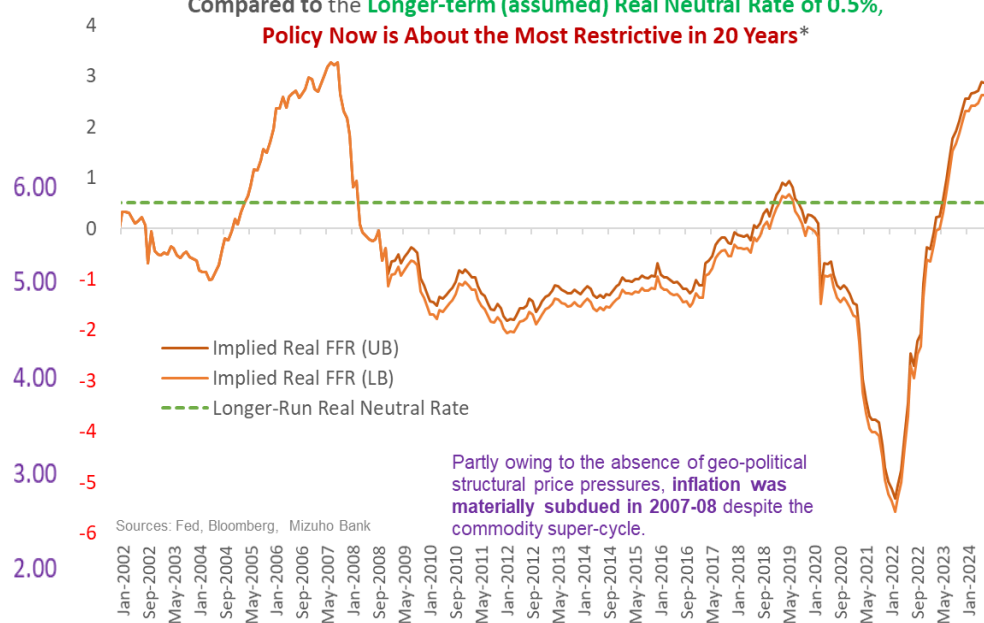
Taylor Rule: Current Setting are Deliberately More Restrictive amid perceptions of inflation risks ... but Response Function could change Fairly Quickly on Threats to Jobs/Growth/Financial Stability



- Inflation Overshoot
- Unemployment Undershoot (vs. 2018-19 Avg of 3.8%; bps)
- Smoothed Taylor Index (Tightening (+ve)/Loosening (-ve) Barometer)
- Smoothed Inflation-Biased Taylor Index
- Fed Funds Target Upper Bound (RHS, %)

Sources: Bloomberg, Mizuho Bank

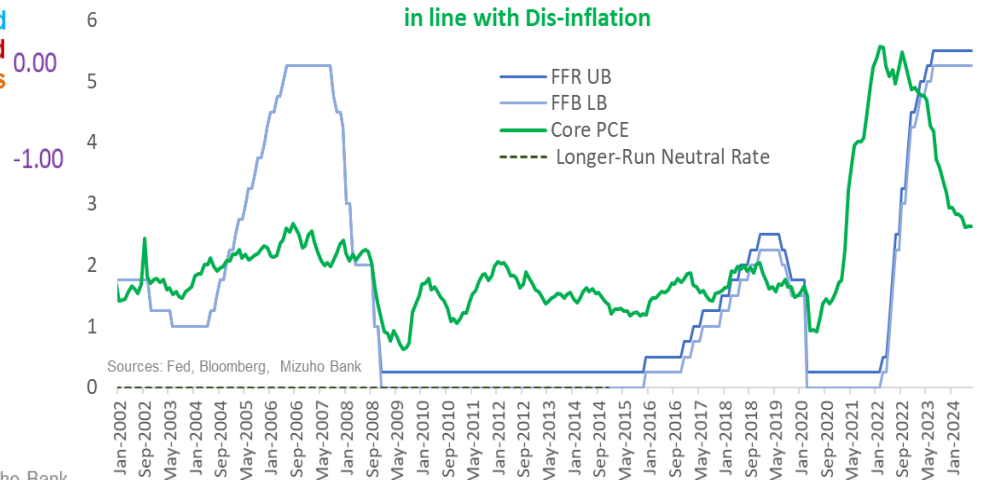
Compared to the **Longer-term (assumed) Real Neutral Rate of 0.5%**, Policy Now is About the Most Restrictive in 20 Years*



Sources: Fed, Bloomberg, Mizuho Bank

Partly owing to the absence of geo-political structural price pressures, inflation was materially subdued in 2007-08 despite the commodity super-cycle.

2024-25 Rate Cuts Subsumed in the 'Dot Plot' is Overstate Effective Easing ... It is more Calibraton in line with Dis-inflation



Sources: Fed, Bloomberg, Mizuho Bank

1b. Especially as Consumer Cash-flow Constraints Intensify, Threatening Demand Resilience

Chart 1: Aggregate personal savings compared with the pre-pandemic trend

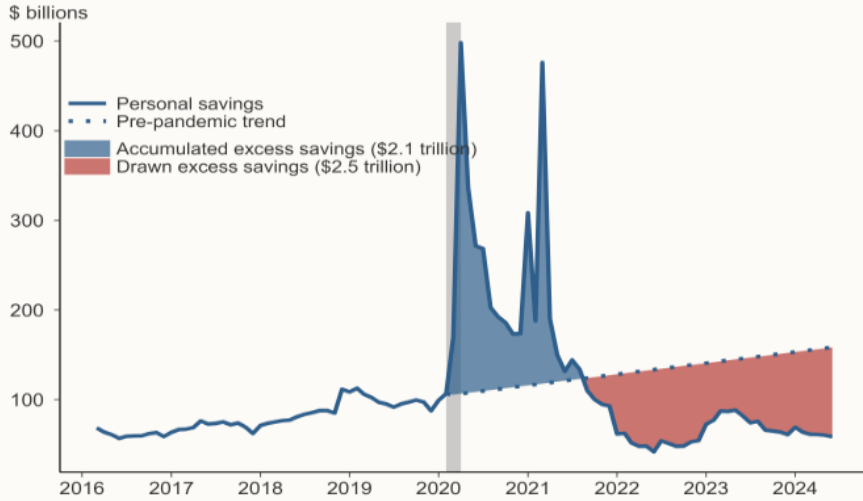
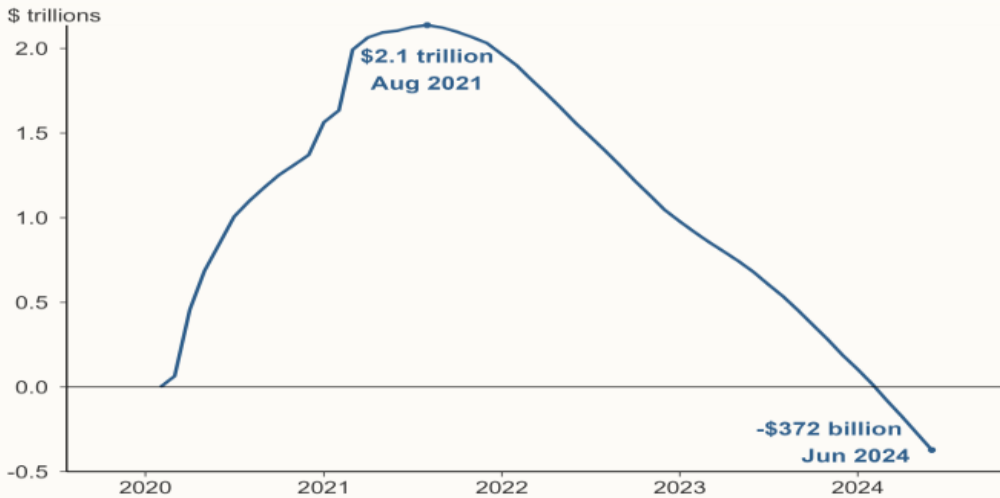
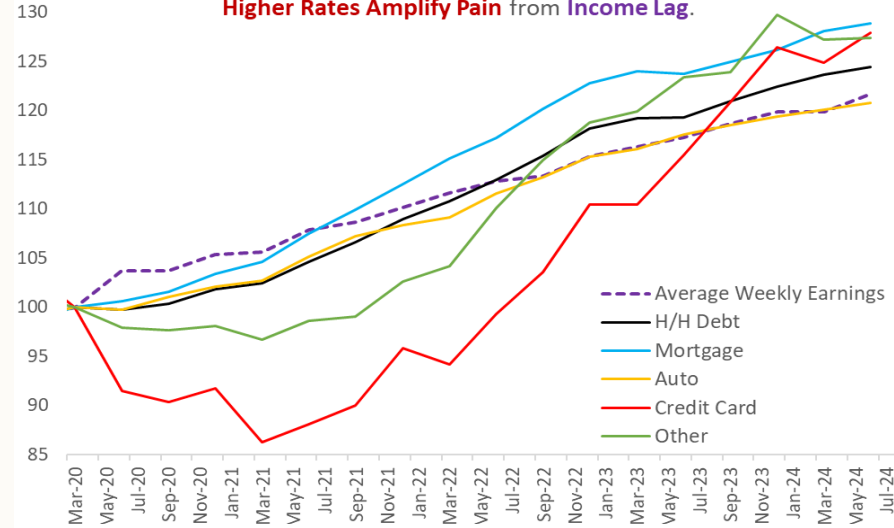


Chart 2: Cumulative aggregate pandemic-era excess savings

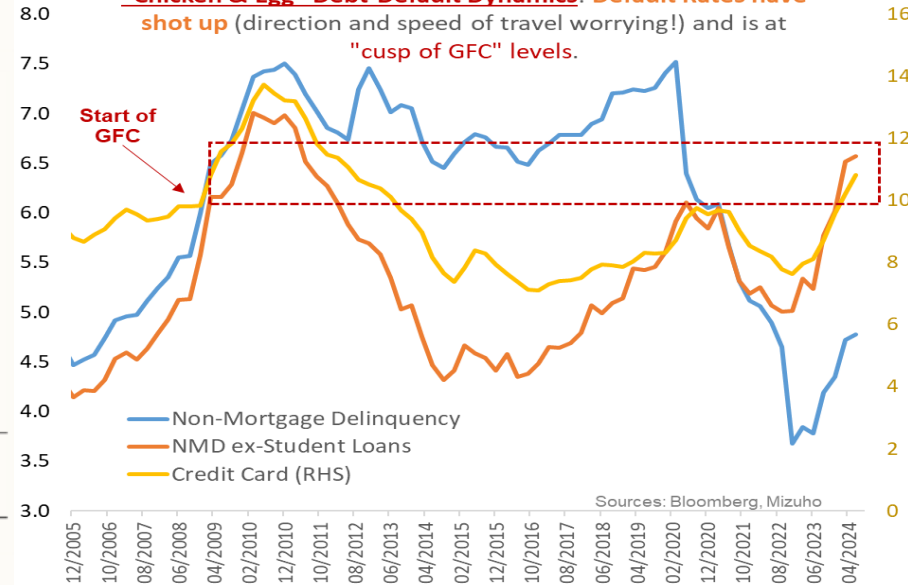


Source: Bureau of Economic Analysis and authors' calculations.

Household Debt Since COVID (Mar 2020): Sharper Surge in Unsecured Debt (CC & Others) as Pandemic Savings Drawn Down. Higher Rates Amplify Pain from Income Lag.



"Chicken & Egg" Debt-Default Dynamics: Default Rates have shot up (direction and speed of travel worrying!) and is at "cusp of GFC" levels.



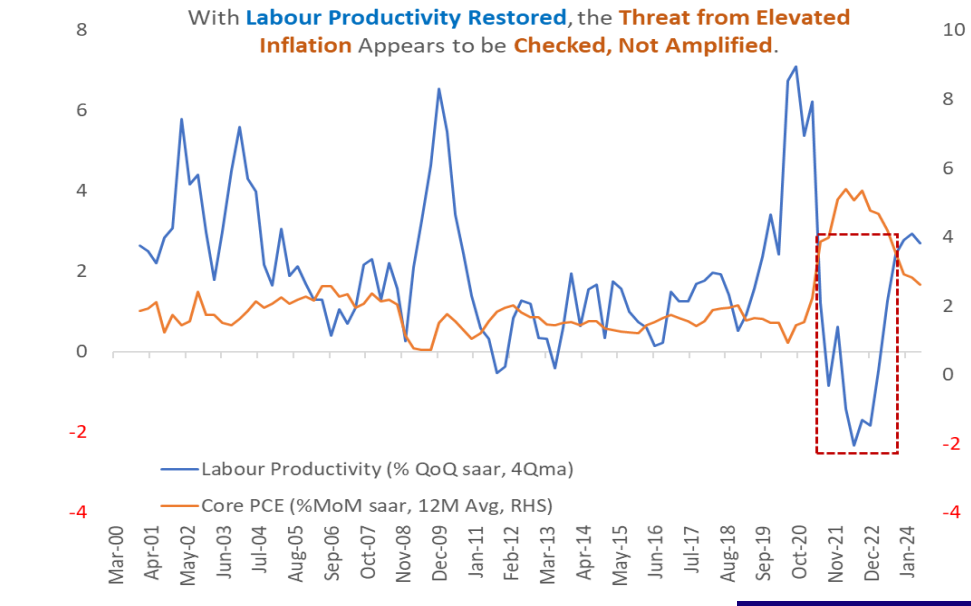
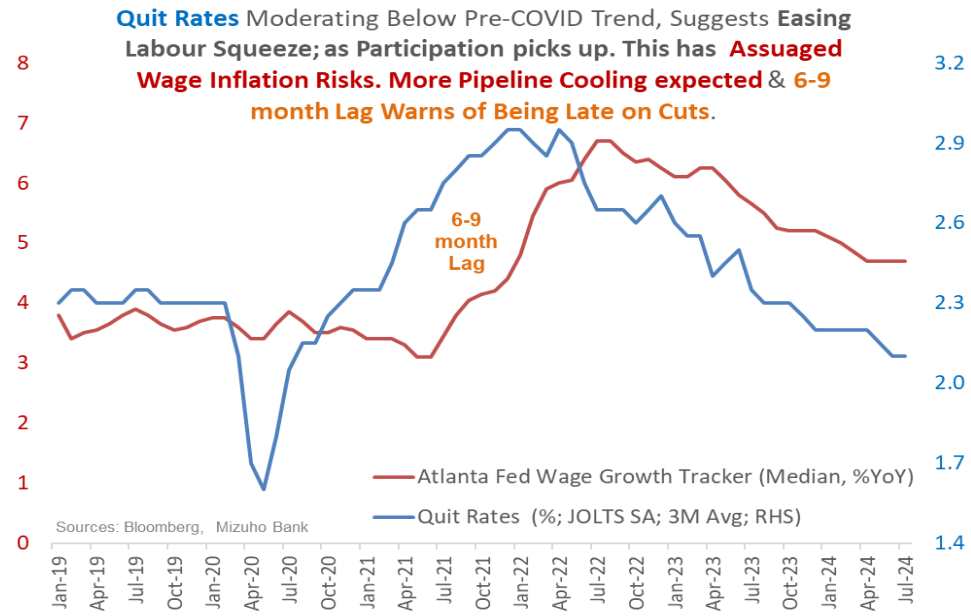
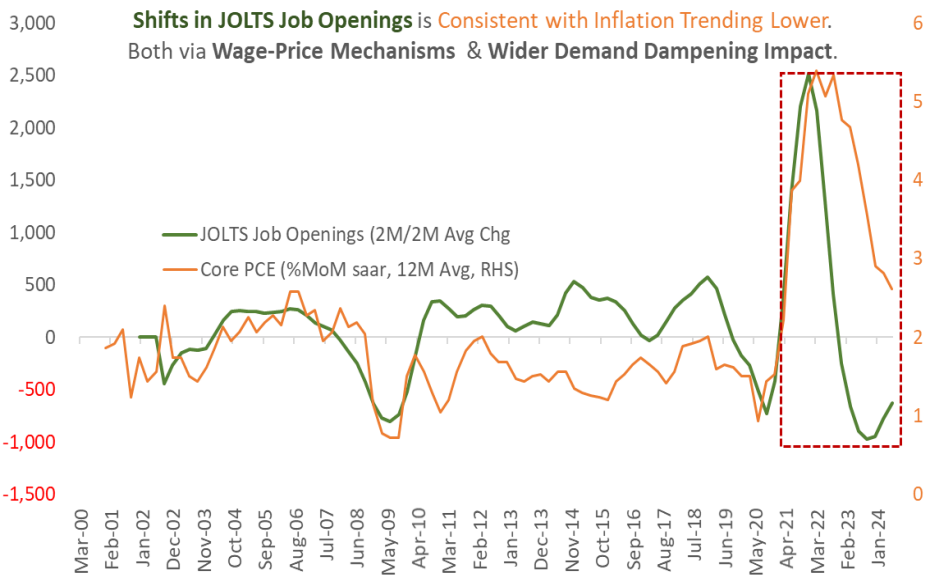
Sources: Bloomberg, Mizuho

1c. Alongside Cooling Jobs/Wages, *Type 2 Error* May Abruptly Shift Fed Response

US Consumer - Tightening Cash-flows

- Drawdown of savings, increased credit (and attendant servicing burden) and softening wage gains translate into tighter consumer cash-flows.
- In turn the hit on demand will have negative multiplier effects at the margin, which significantly dampen growth outcomes; even if an outright recession is averted.
- For a Fed that is decidedly not setting out to break something, this will be a jolt out of the Type 2 error resulting from the earlier Type-1 error.

“Type-1” Error: Wrongly rejecting null hypothesis of inflation risks.
 “Type-2 Error: Wrongly failing to reject null hypothesis of persistent inflation risks



1d. Fed's "Type-2" Error Risks – Flipping "Higher for Longer" to "Too High for too Long"

	End-2021	End-2022	End-2023	2024				2025				2026		2027	
			Q4 23	Q1 24	Q2 24	Q3 24	Q4 24	Q1 25	Q2 25	Q3 25	Q4 25	H1 26	H2 26	H1 27	H2 27
Fed Funds Target Rate Ceiling	0.25	4.50	5.50	5.50	5.50	5.25	5.00	4.25	3.50	3.00	2.75	2.50	2.50	2.50	2.50
Fed Funds Target Rate floor	0.00	4.25	5.25	5.25	5.25	5.00	4.75	4.00	3.25	2.75	2.50	2.25	2.25	2.25	2.25
UST 2Y Yields	0.73	4.43	4.25	4.62	4.75	3.87	3.27	2.70	2.69	2.80	2.53	2.50	2.30	3.33	3.18
UST 10Y Yields	1.51	3.87	3.88	4.25	4.40	3.78	3.65	3.22	3.35	3.42	3.28	3.33	3.18	3.33	3.18

Sources: Bloomberg, Mizuho Forecasts

"Too High for Too Long" Risks Defer but Don't Diminish Fed Rate Cuts

- The quirks of post-pandemic durability in demand defer Fed rate cuts vis-à-vis past Fed cycles.
- But 'Type-2' error (from overcompensating for "transitory") of "too high, for too long" are accentuated now
- Which accentuates the risks of having to catch-down more hurriedly with belated rate cuts.

"2024 Runway Curtailed, but 2-3 Cuts Likely ...

- Barring a crisis (not our base case), rate cut run-way for 2024 is constrained by data-watching and elections.
- July FOMC virtually ruled out. September, November and December are "live".
- 50-75 bps of rate cuts still on the table, with 50bp being most likely.

Rate Cuts to Gather Pace in H1 2025

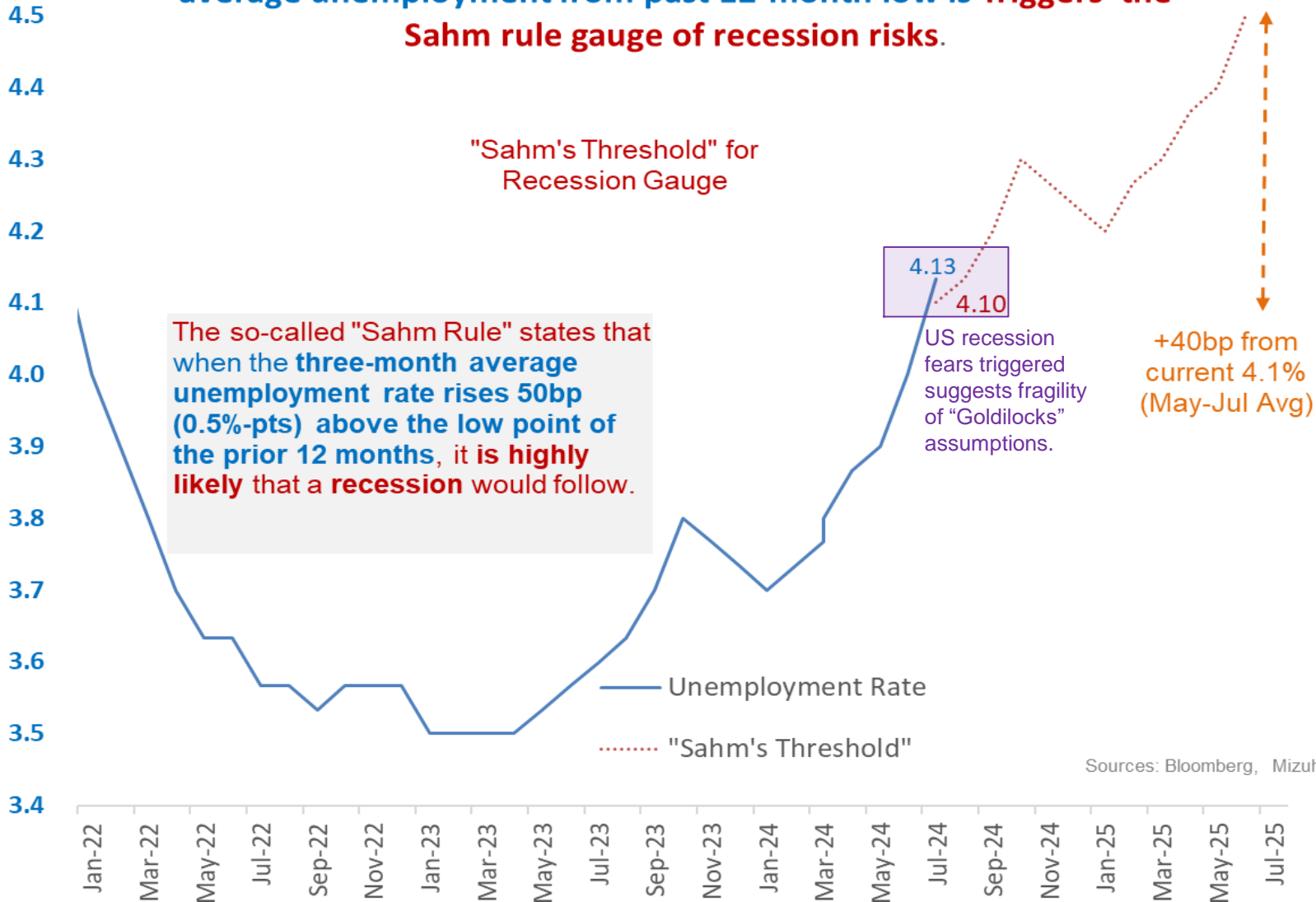
- Sharper demand softening alongside rapid slowdown set to diminish wage-price spiral risks.
- Consequently, Fed rate cuts will gather pace in H1 2025 so as to alleviate acute policy restriction.
- Up to 200bp of rate cuts by mid-2025 is not as outlandish. Fact is, 3.25-3.50% is likely still restrictive.

Consumer Slowdown, Not Crisis

- Brisker cuts are premised on sharper consumption slowdown amid tightening cash-flows → Not so soft landing
- And not a crisis from a balance sheet shock – for which far deeper and larger rate slashing will be required.

1e. US Economy: 'Sahm' Fears About Flawed Soft Landing Assumptions?

US Unemployment Rate (% 3-mth Avg): Current **53bps** rise in 3-mth average unemployment from past 12-month low is **Triggers the Sahm rule gauge of recession risks.**

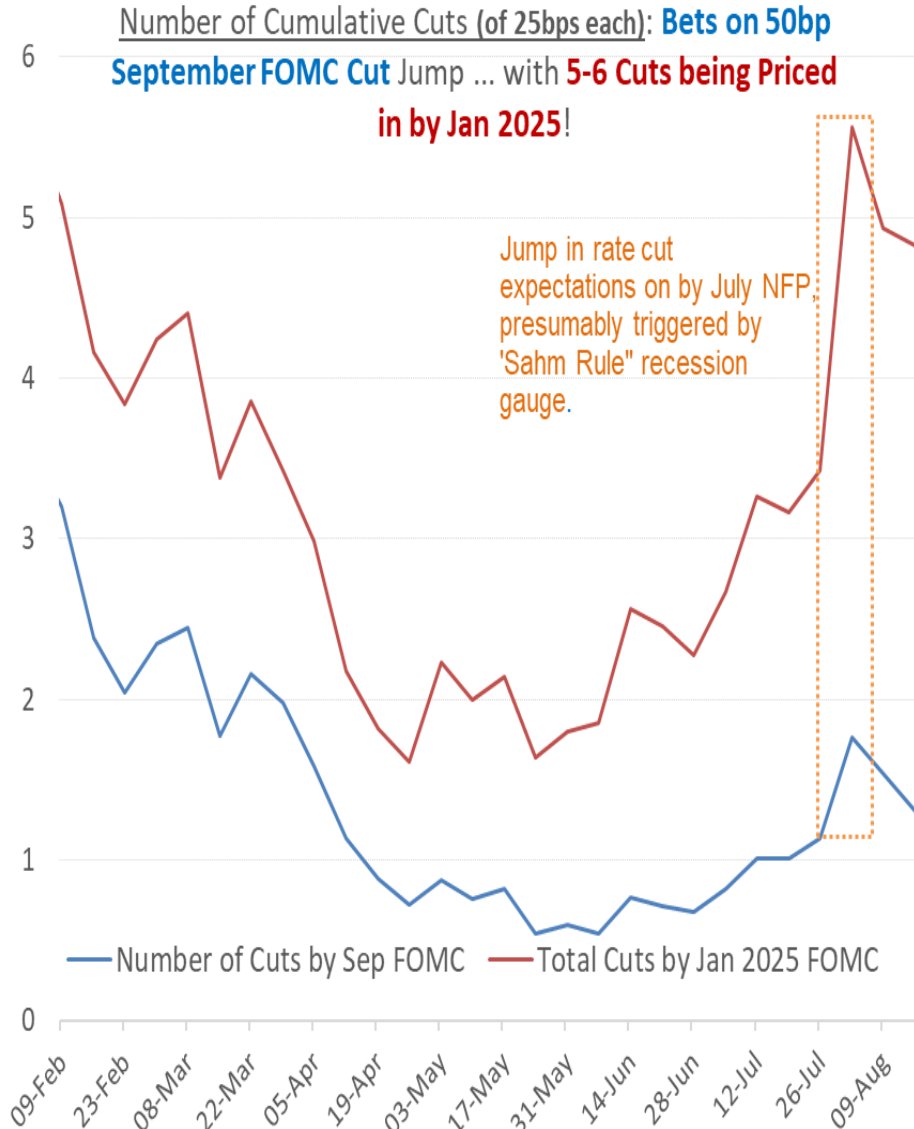


Sources: Bloomberg, Mizuho

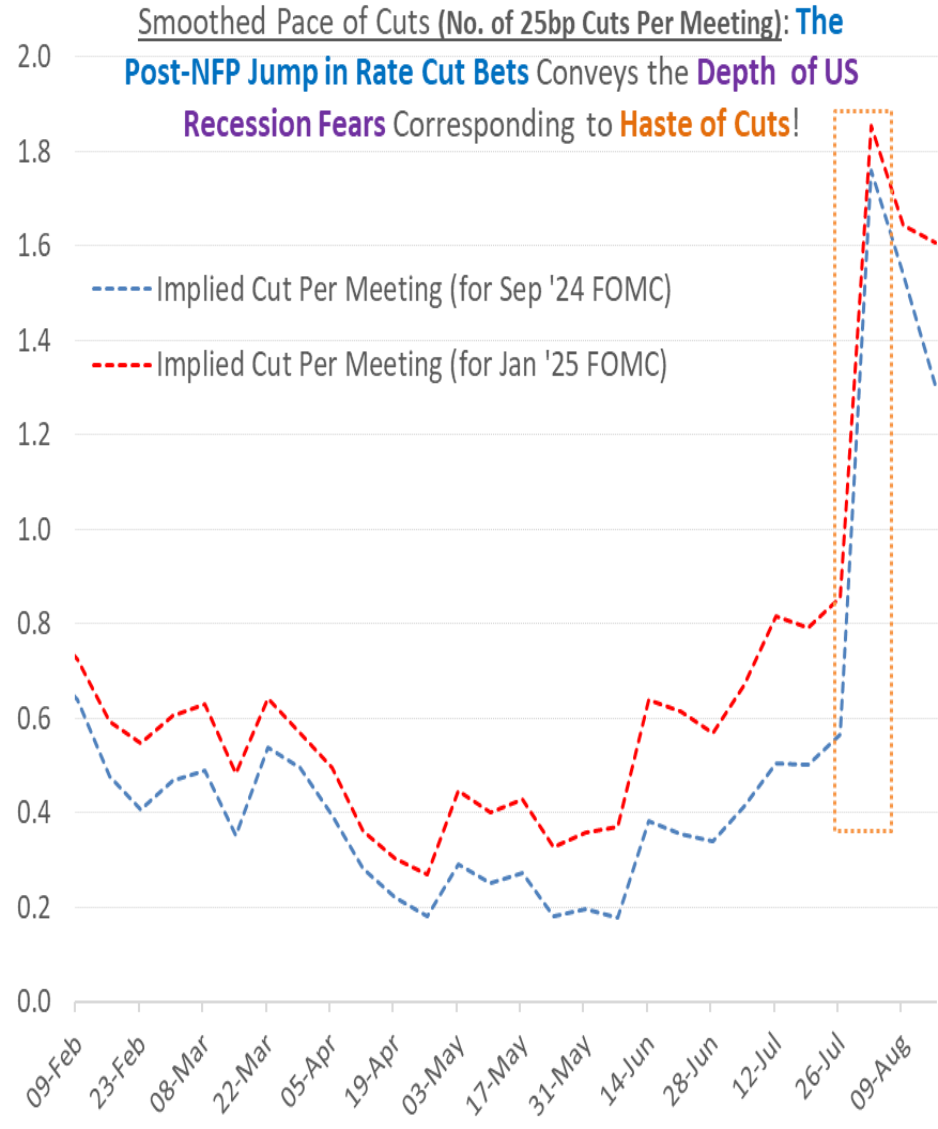
2a. Hyper Sensitivity to US Recession Risks & Fed Response

Number of Cumulative Cuts (of 25bps each): **Bets on 50bp September FOMC Cut** Jump ... with **5-6 Cuts being Priced in by Jan 2025!**

Jump in rate cut expectations on by July NFP, presumably triggered by 'Sahm Rule' recession gauge.

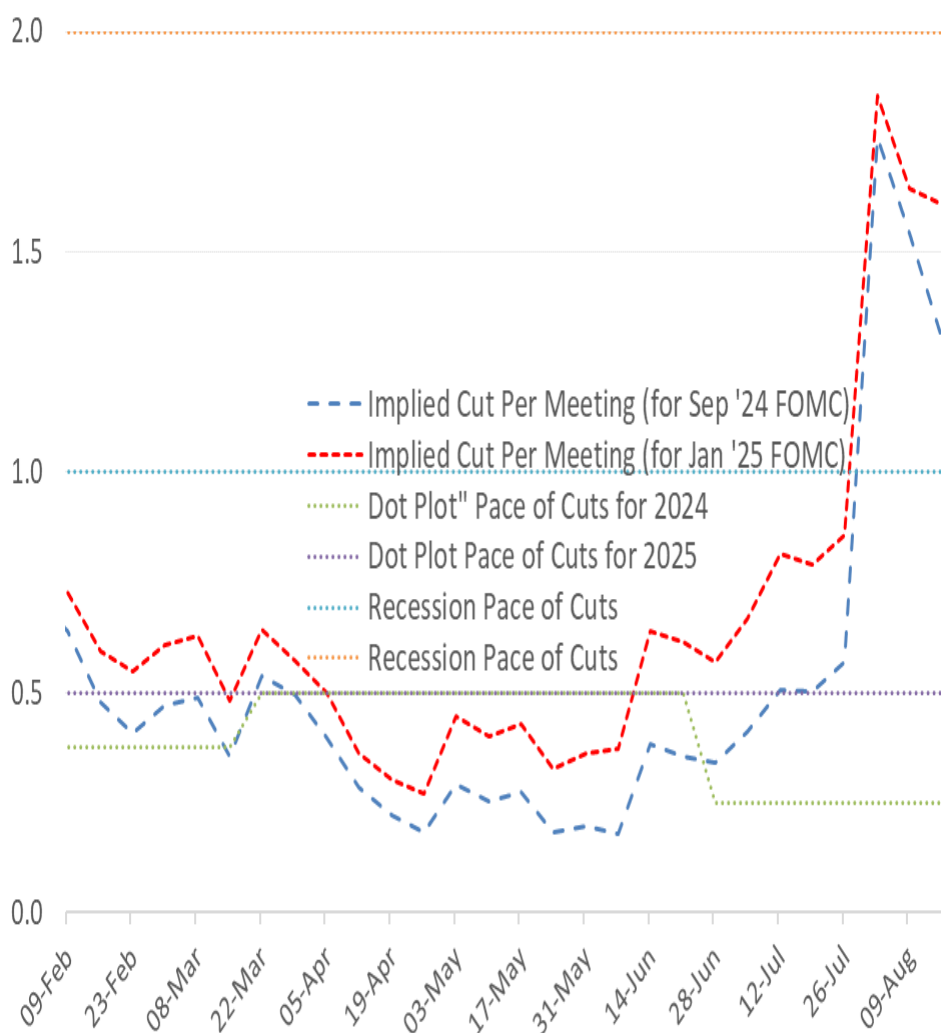


Smoothed Pace of Cuts (No. of 25bp Cuts Per Meeting): **The Post-NFP Jump in Rate Cut Bets** Conveys the **Depth of US Recession Fears** Corresponding to **Haste of Cuts!**

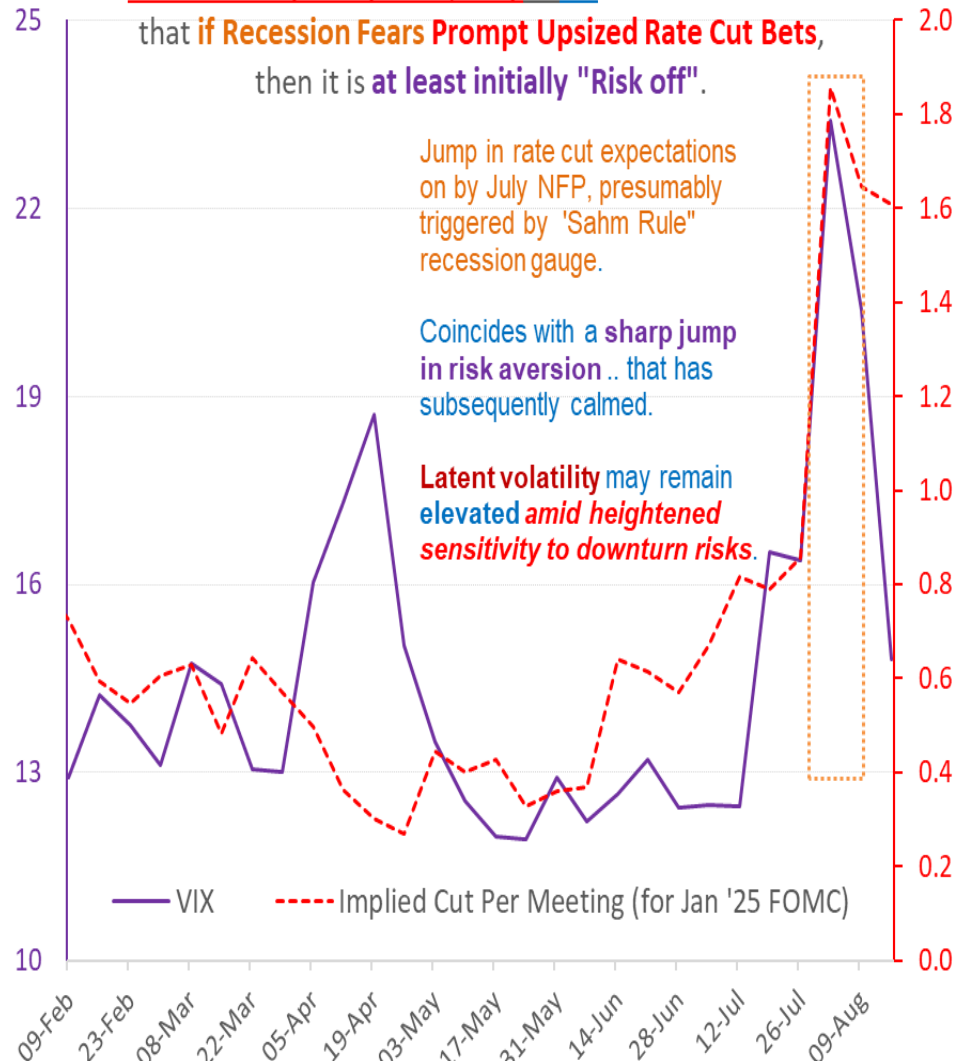


US Jobs – Teetering on US Recession Fears & Attendant Risk Off

Smoothed Pace of Cuts (No. of 25bp Cuts Per Meeting): Well into **Recession-Type Rate Cut Response** Function Being Priced.



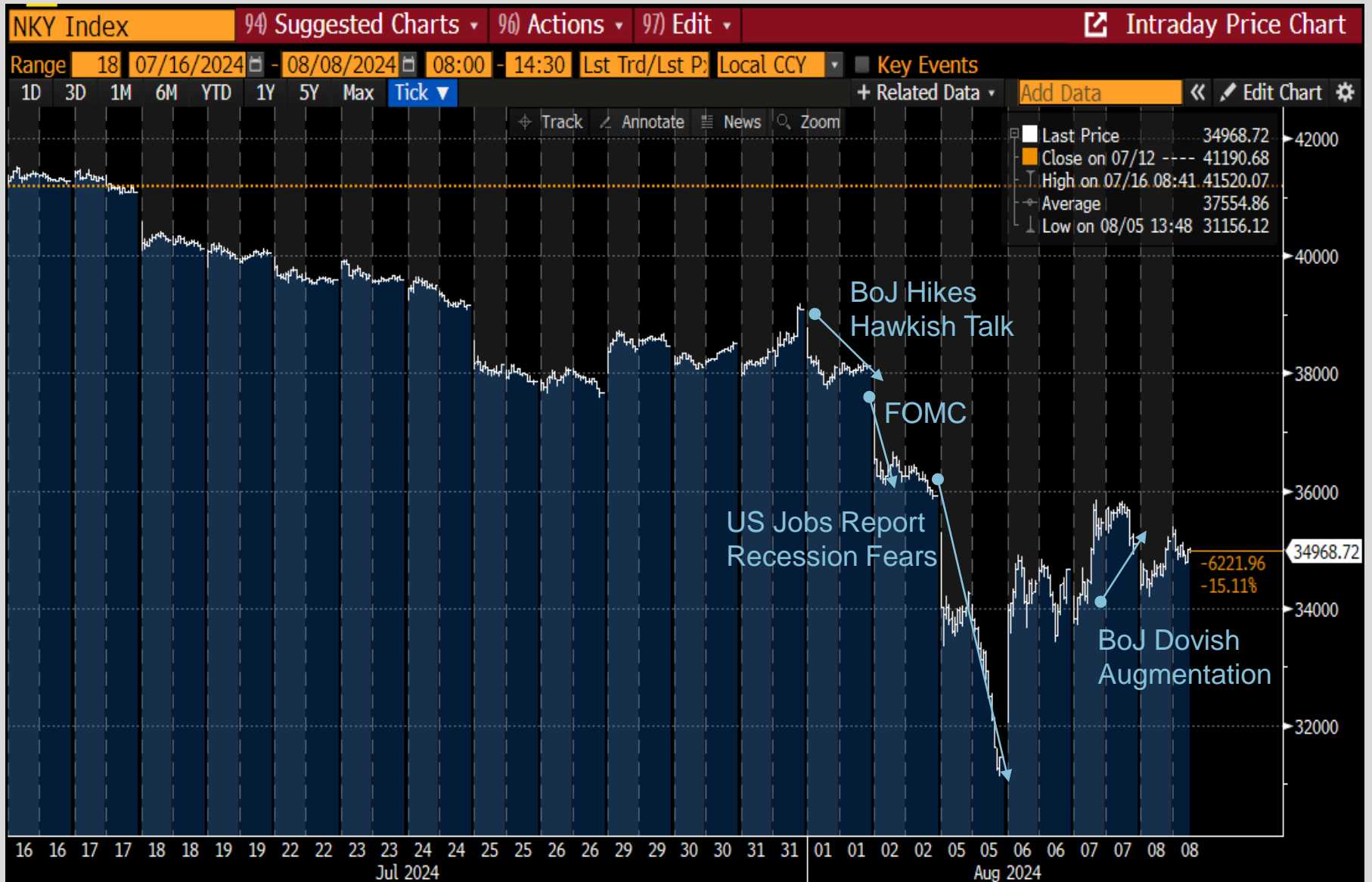
Pace of Cuts (of 25bps each, RHS) vs. VIX: What's Notable is that **if Recession Fears Prompt Upsized Rate Cut Bets**, then it is **at least initially "Risk off"**.



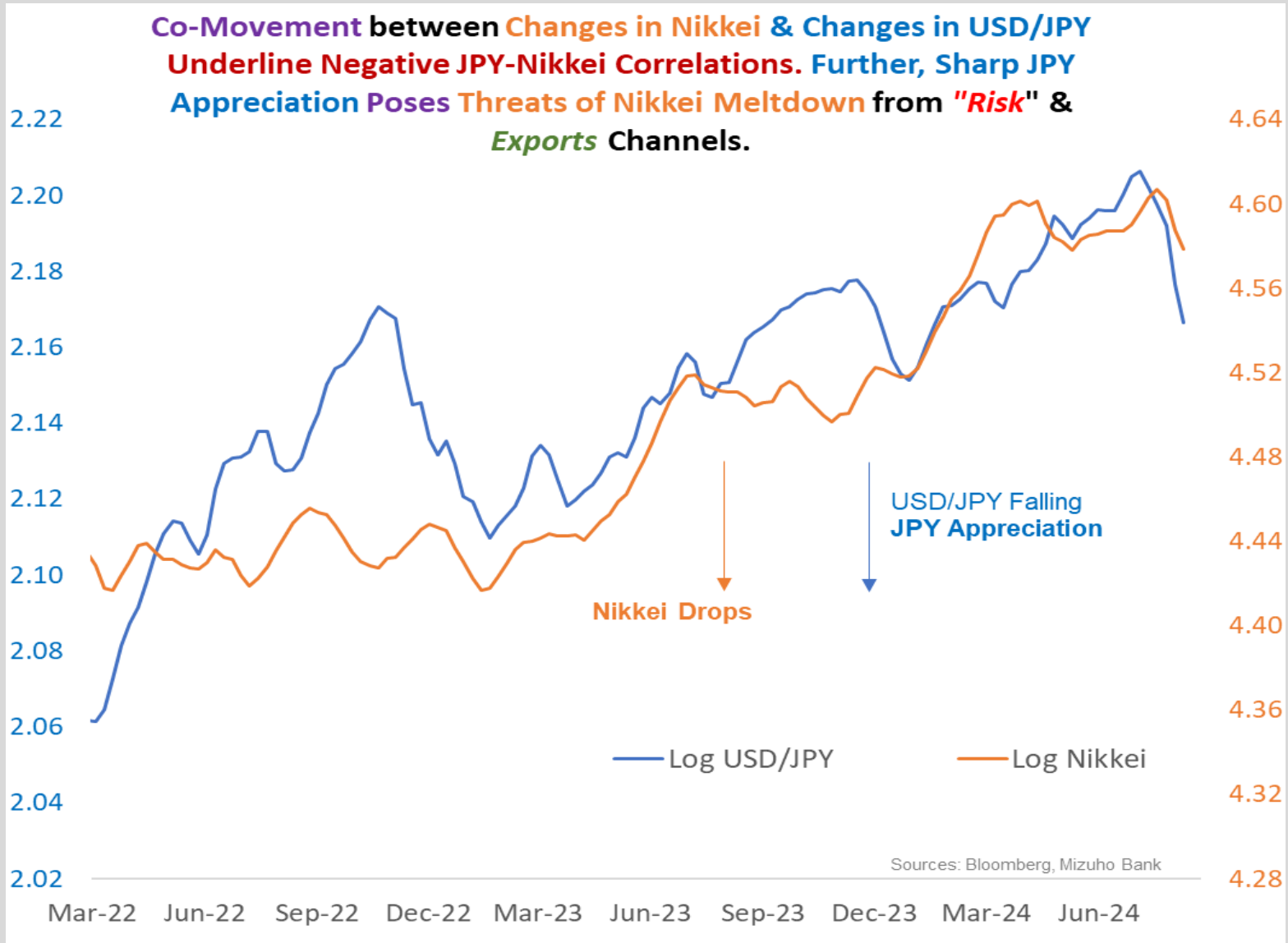
2c. THAT JPY Squeeze – Time-line & Thoughts



2c. & Corresponding Nikkei Plunge



2c. JPY-Nikkei: The BoJ Blame Game



2c. JPY Carry Unwind Risks – Main Take-Aways

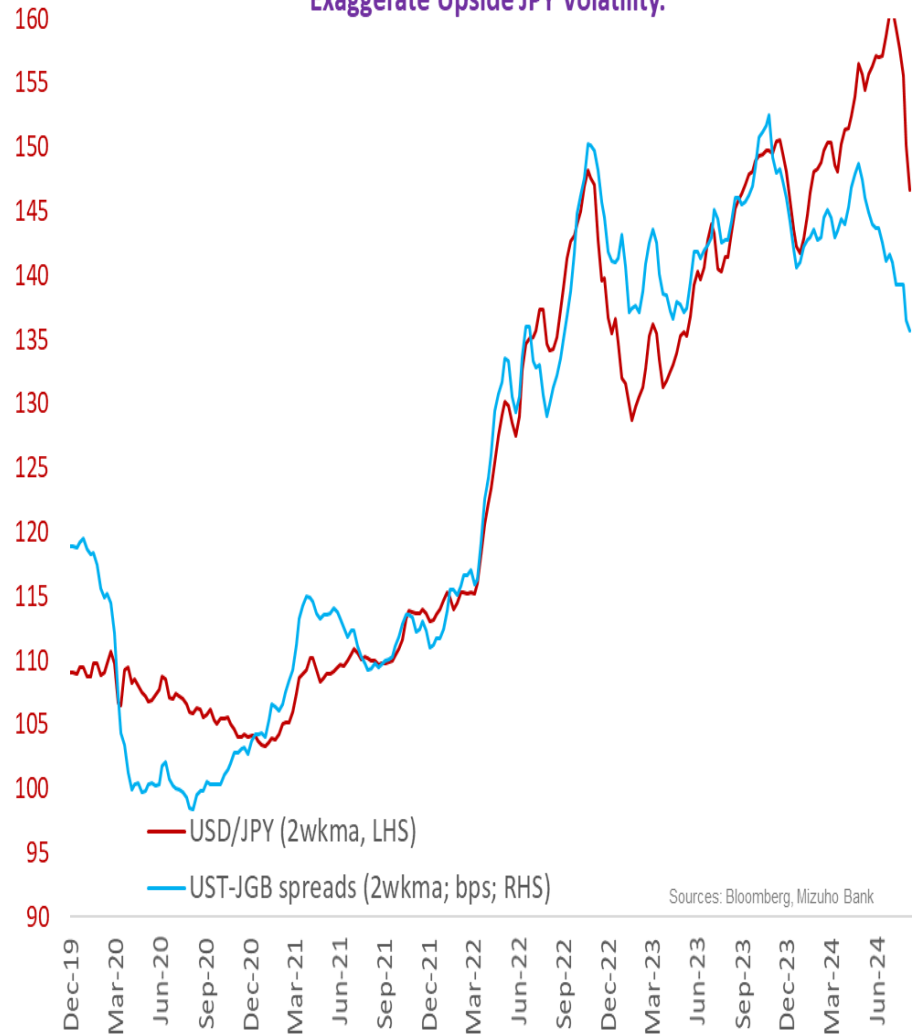
1. **JPY Carry Unwind Risks** are **NOT Exclusively BoJ-Driven**.
2. So, although *BoJ's dovish* caveat (no hikes if markets are unstable) *only partially mitigates JPY carry unwind*.
3. Instead, **Fed pivot expectations** (this time via softer NFP) are a **huge swing factor**.
 - ❖ *This is but a manifestation of our long-held view that (earlier) JPY depreciation pressures were a “BoJ problem with a Fed solution”, with the Fed solution (rate cuts) now posing the other extreme problem of too sharp a surge/rebound in JPY (and attendant JPY carry unwind).*
4. Corresponding **sharp shifts in Fed rate cut bets** impacts *via Fed-BoJ divergence* expectations.
5. Which consequently *compress UST-JGB spreads* and drag *USD/JPY sharply lower*.
6. In turn, this **sudden and sharp JPY surge “squeezes out” concentrated JPY-funded carry trades**.
7. Inevitably, **JPY-funded “carry unwind”** is **most detrimental to high-yielding assets**. But not just.
8. **Negative JPY-Nikkei correlation** from acute JPY squeeze may also **adversely impact global equities**.
9. In all, the **threat of global “risk off” involving adverse feedback loop with carry unwind persists**.

Policy Implications:

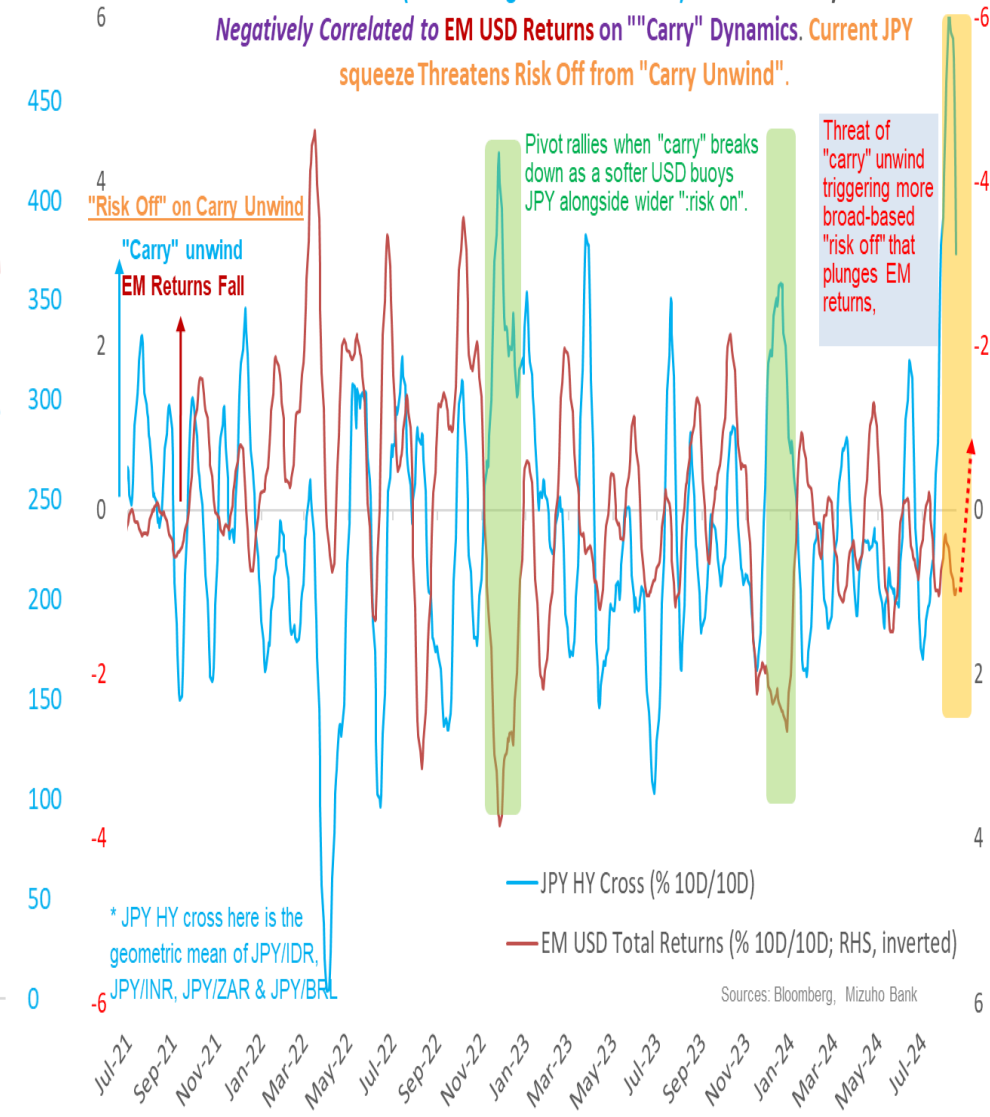
- i. **BoJ**: Dial-back in tightening checks, but doesn't kill adverse (strong) JPY-Nikkei (plunge) spiral.
- ii. **Fed**: Markets become especially sensitized to sharp swings in pivot bets.
- iii. **Fed-BoJ**: Any accentuation of Fed-Boj divergence will amplify JPY volatility risks.

2d. Fed-BoJ & JPY Correlations: Fed's Greater Sway on JPY & "Carry Unwind" Contagion

Fed Pivot Could Accentuate JPY Rebound (USD/JPY Pullback) From BoJ Tightening. Notably, the Optics of Fed-BoJ Divergence May Also Exaggerate Upside JPY Volatility.



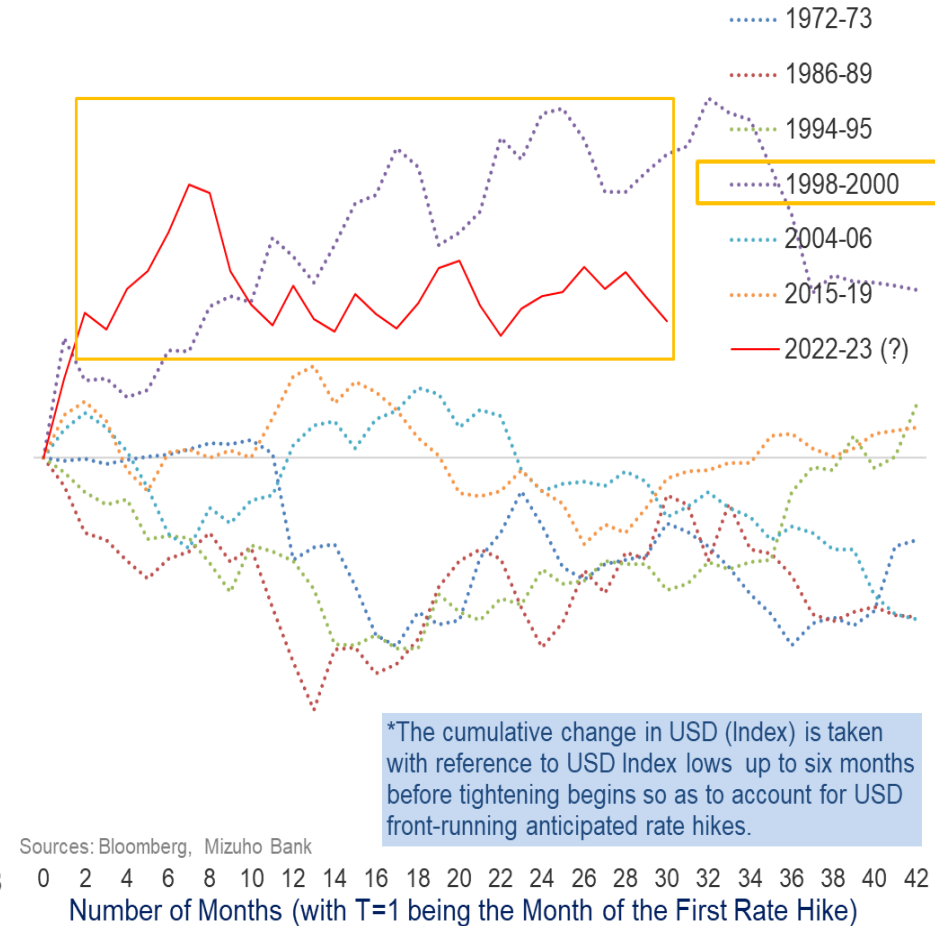
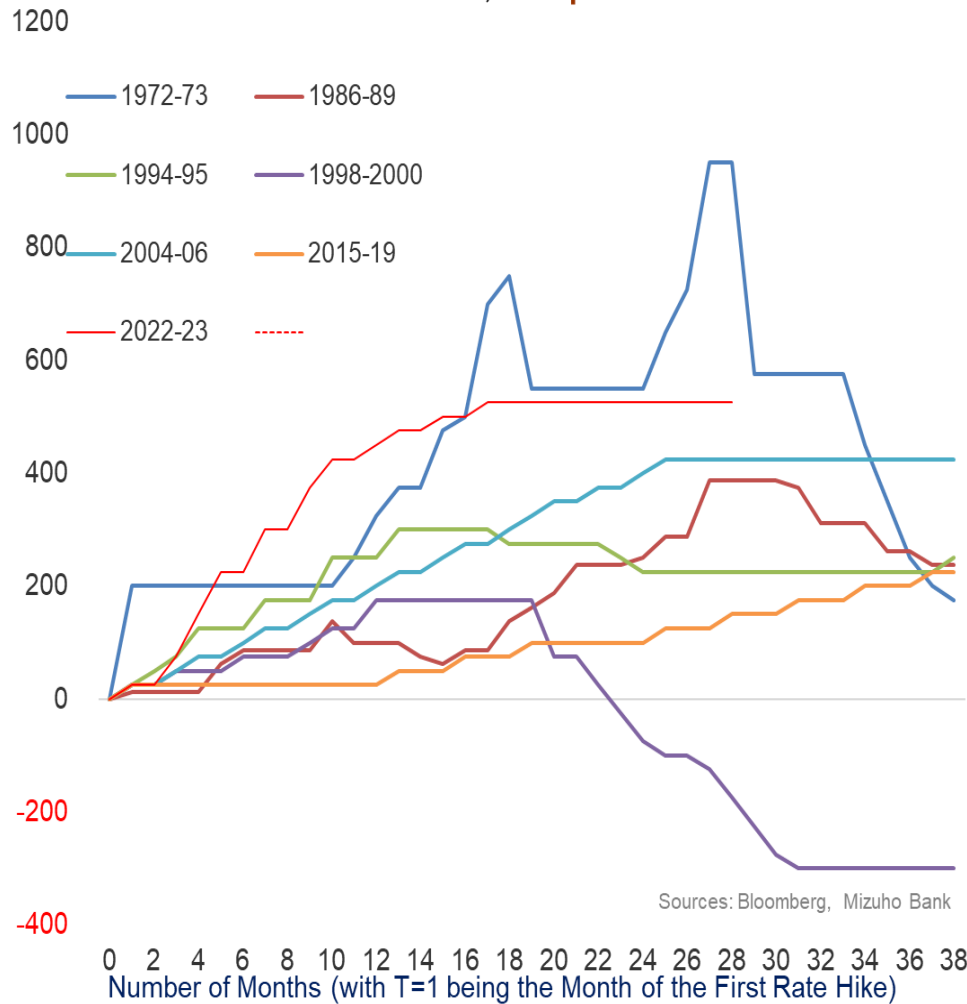
JPY Cross* moves (vis-a-vis High-Beta Currencies) have a Tendency to be Negatively Correlated to EM USD Returns on "Carry" Dynamics. Current JPY squeeze Threatens Risk Off from "Carry Unwind".



3a. Policy Nuance: Not All Pivots are Created Equal! “Competitive Pivot”/US Exceptionalism

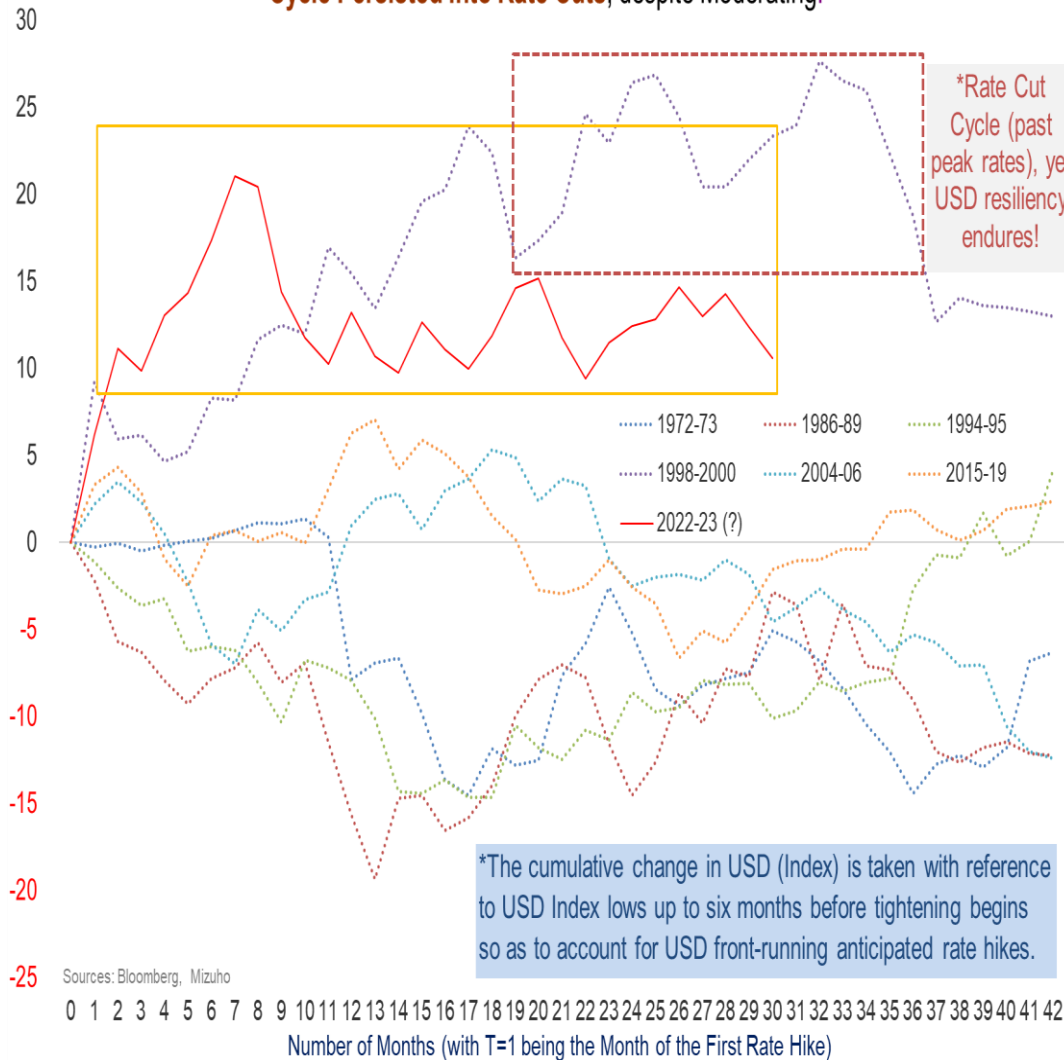
Fed Hiking Cycle (Cumulative Rate Hikes; bp): Although not the Greatest Amplitude of Rate Hikes (1970s More Brutal, with >700bp of Hikes), this Cycle Marks the Fastest Pace of Hikes; 525bps Over 17 Months.

Corresponding USD Performance (Cumulative % Chg*): Notably, the Current Rate Hike Cycle Has Resulted in the Sharpest Phase of USD Strength in the First 8-9 months; moderating below corresponding 1998-2000 Trajectory but still significantly more buoyed.



3a: Corresponding USD Response is Not the Usual “Peak USD ahead of Peak Fed”

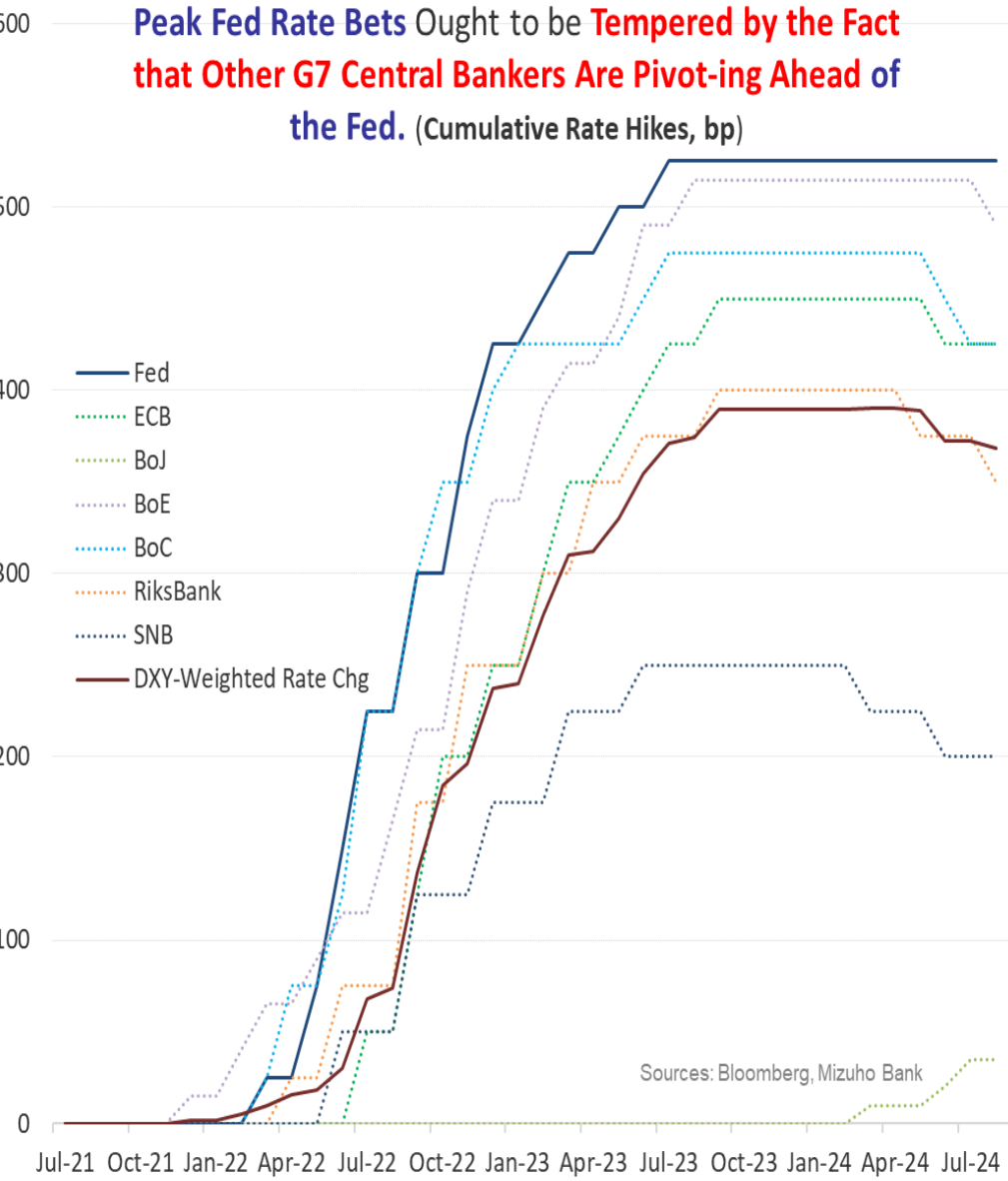
USD Performance (Cumulative % Chg*) From the Start of Hike Cycle: **USD Strength into the Current Tightening is Exceptional.** Notably, **USD Strength in the 1996-98 Cycle Persisted into Rate Cuts**, despite Moderating.



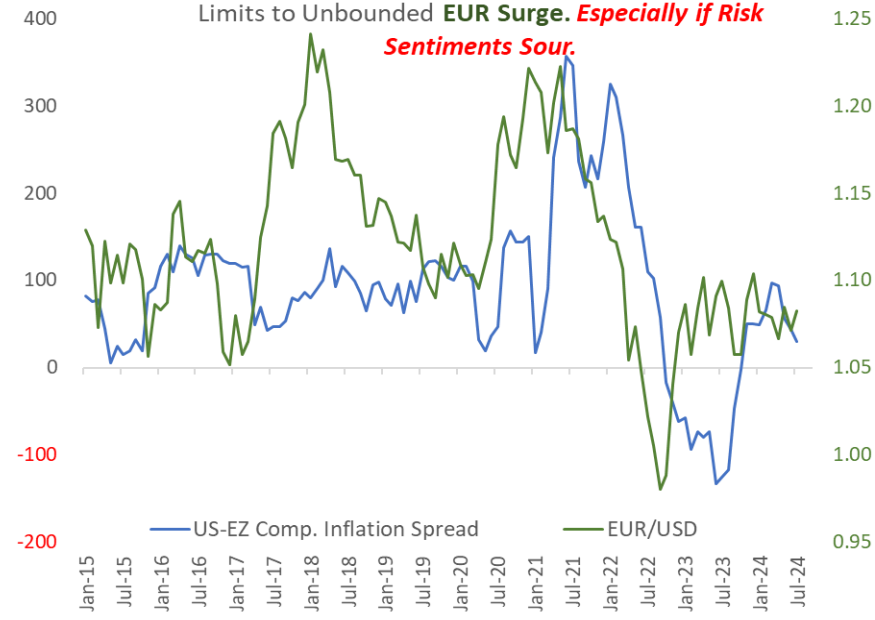
- Arguably, the most **profound challenge to AXJ reversion** (recovering to pre-Fed hike levels) is **persistent, defiant USD strength** in the context of Fed pivot, which is typically consistent with more pronounced USD pullback.
- This **anomalous USD strength so late into the Fed tightening cycle is not merely a cyclical blip but a structural feature of with uncharacteristic USD resilience into Fed easing ahead**; whereby USD may soften (from elevated levels), **but not fully surrender rate hike gains** as relative US exceptionalism and geo-politics conspire.
- **Admittedly, USD peaked** (in October 2022), **ahead of peak Fed rate** (reached in July 2023), consistent with the idea of USD front-running the Fed.
- And to be sure, a **mellow USD as the Fed settles into rate cuts into 2025 is our base case.**
- **Nonetheless, further USD declines anticipating, or coinciding with Fed cuts, may fall significantly short of expectations** pegged to most previous cycles.
- In which case, **commencement of Fed rate cuts alone is not sufficient to fully restore AXJ to pre-2022 levels** given USD dominance be slow to fade.

3b: Relative Rate Strength Understate “Competitive Pivot” Inclination Shifts

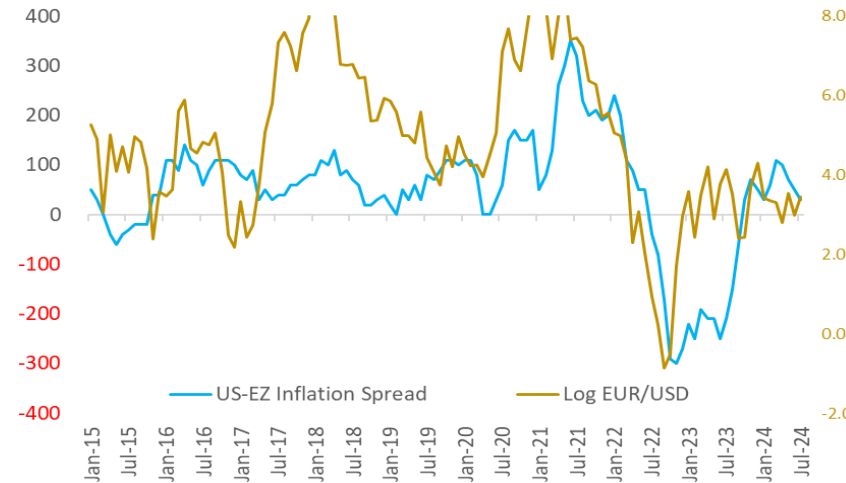
Peak Fed Rate Bets Ought to be **Tempered by the Fact** that Other G7 Central Bankers Are Pivot-ing Ahead of the Fed. (Cumulative Rate Hikes, bp)



US-EZ Inflation Spread (bp): US-EZ Inflation Spread Suggests Limits to Unbounded EUR Surge. Especially if Risk Sentiments Sour.

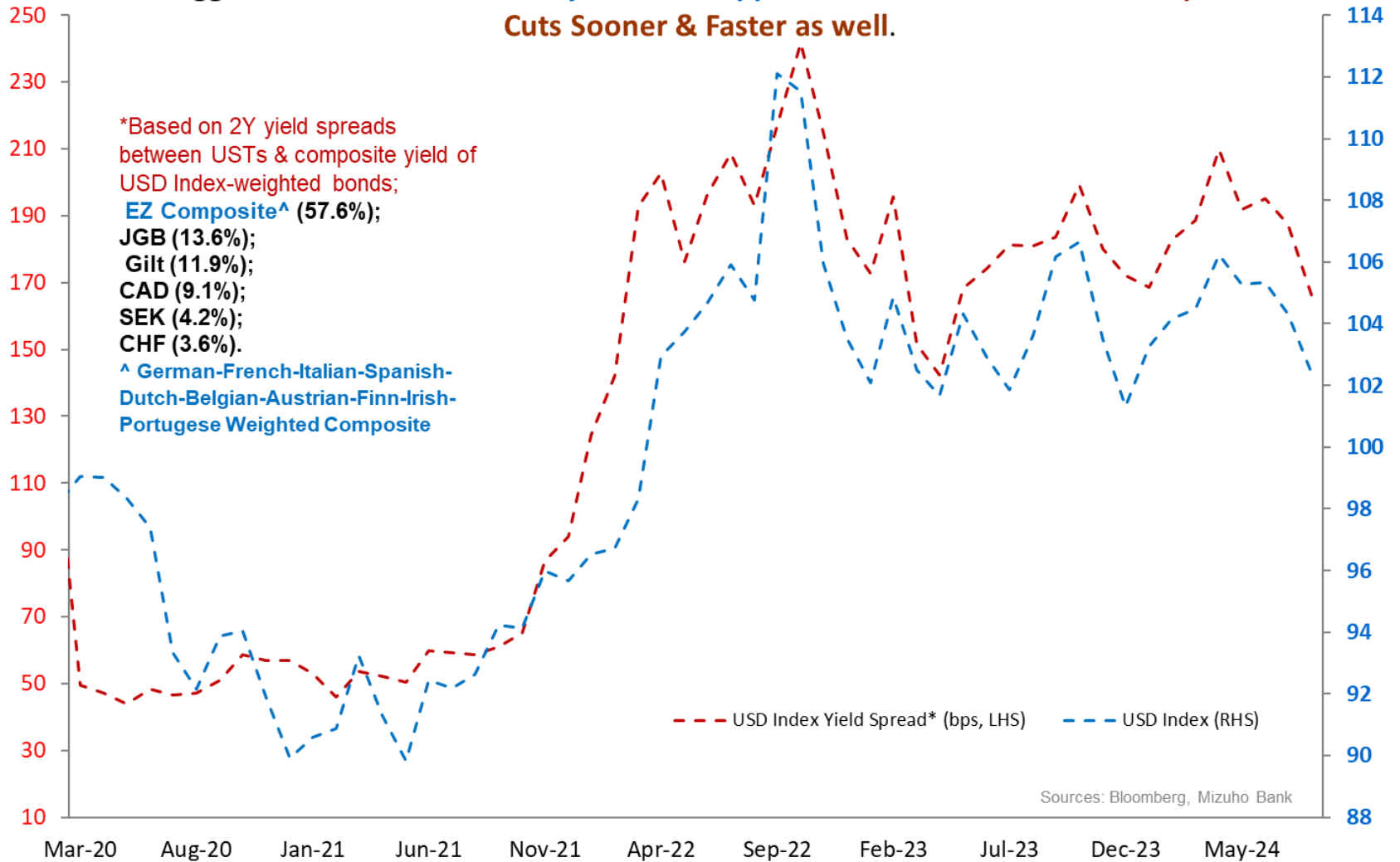


US-EZ Inflation Spread (bp): Even on relative shift basis, EUR upside is limited by inflation spread dynamics.



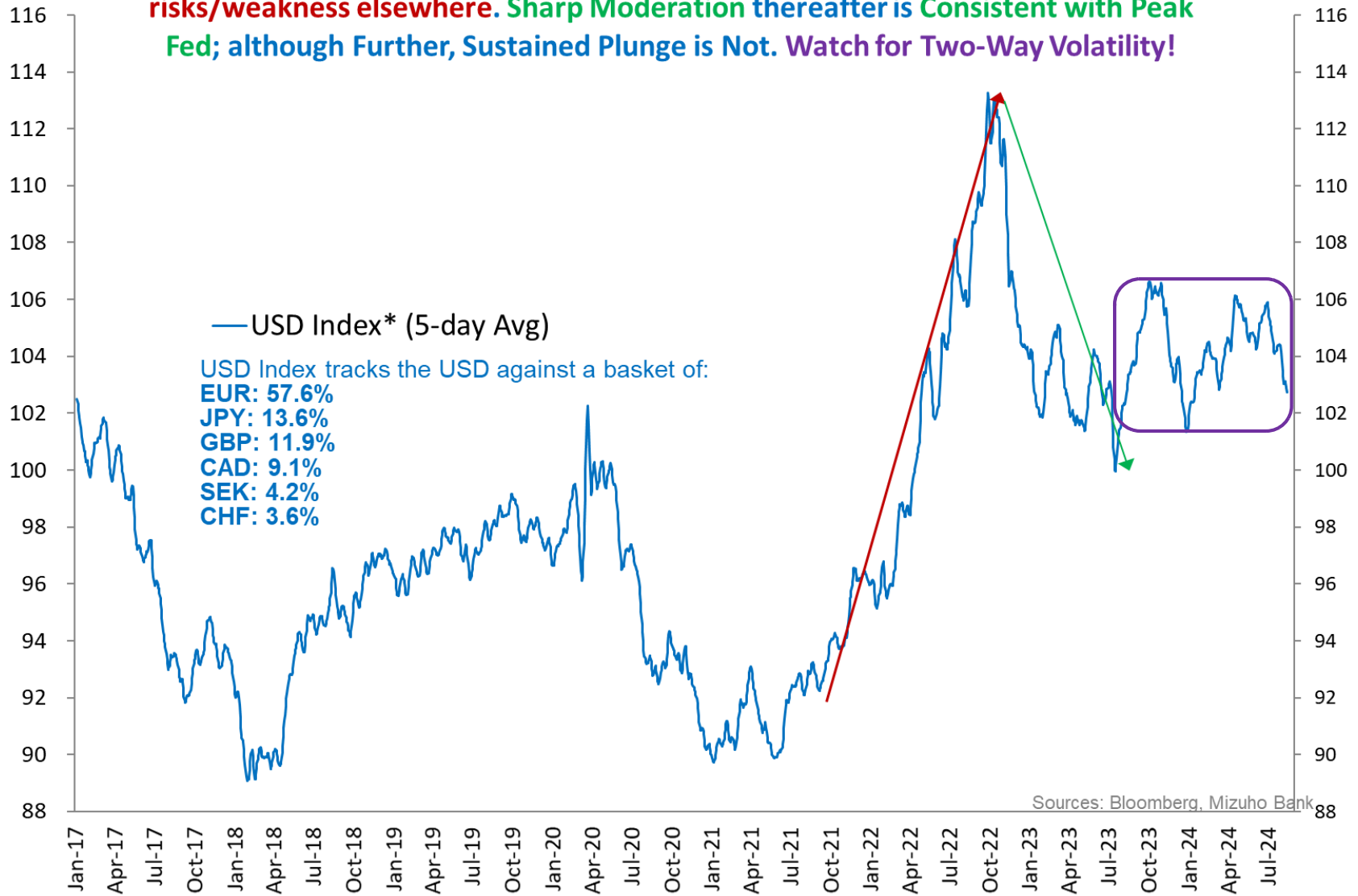
3b: Yield Spreads Better Capture Scope for Backstop .. That Shows Up as USD Resiliency

Fed & USD: 2Y UST yield spreads (vs. a composite of Yields based on the USD Index)
suggest that USD Declines May be Backstopped if other G7 Central Banks Tip to
Cuts Sooner & Faster as well.

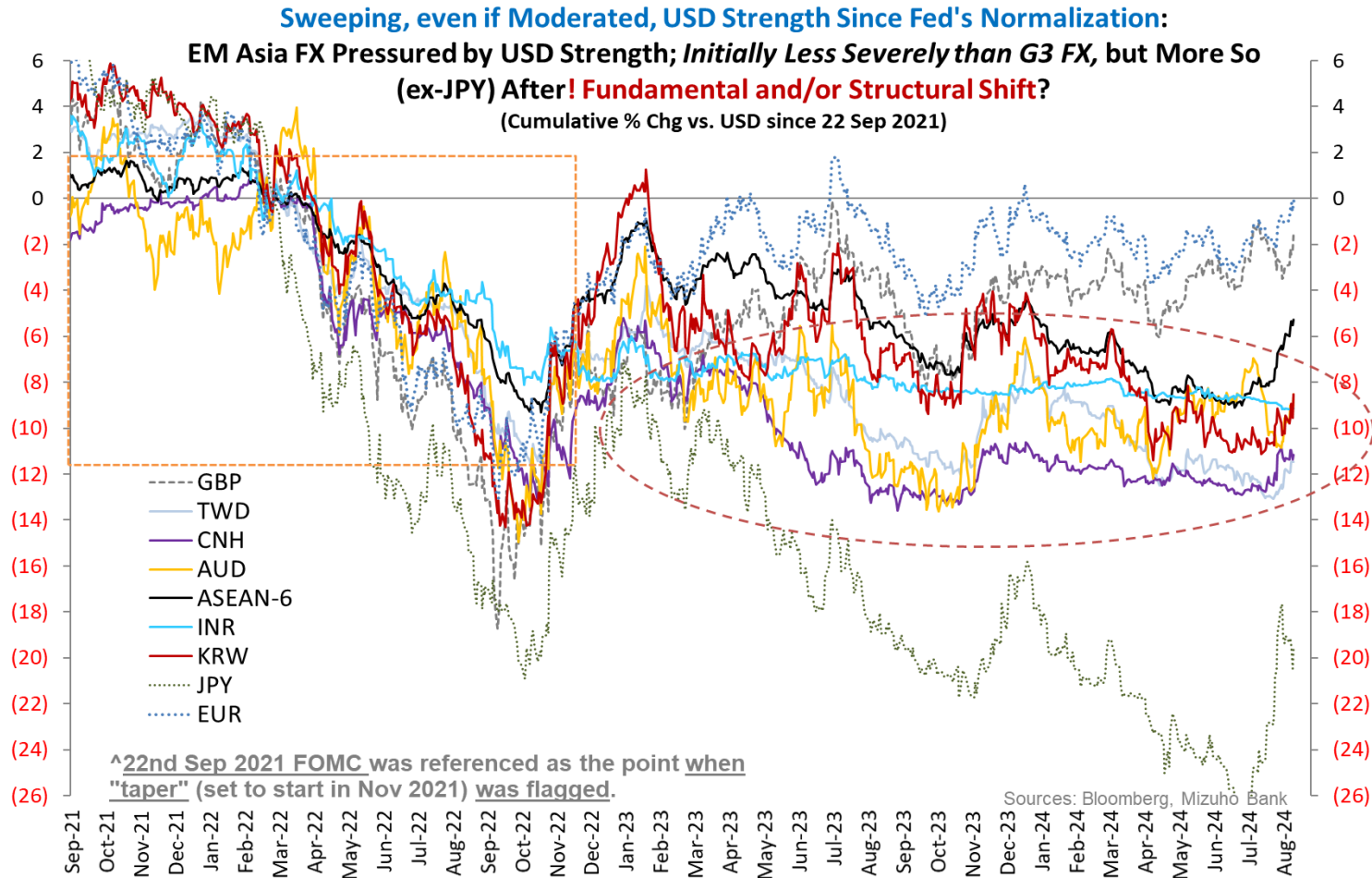


3c: Peak USD is Not the Same as a Bearish USD

USD Index hit 20-year highs in Oct 2022, Agitated by Fed Hawks and Incited by risks/weakness elsewhere. Sharp Moderation thereafter is Consistent with Peak Fed; although Further, Sustained Plunge is Not. Watch for Two-Way Volatility!



4a. Relative AXJ Under-performance is Worth Analyzing ... Notable Hysteresis Risks



- Received wisdom is that a Fed pivot* is associated with (often anticipatory) USD decline.
- The result is a “pivot USD” primed for a broad-based slide as policy sands begin to shift from tightening to easing.
- And the *assumption of attendant AXJ reversion (to pre-Fed tightening strength) is arguably embedded in this “pivot USD” thesis*. In other words, Asia FX recouping losses over the Fed’s tightening cycle (coinciding with reversal of USD gains).

- *But this time*, a Fed pivot is no guarantee that AXJ will revert to pre-Fed tightening strength.
- Instead, AXJ reversion is liable to be **dampened**, **delayed** and **differentiated**. And under certain circumstances possibly even denied for specific Asia FX.
- This owing to a conspiracy of *anomalous USD-Fed cycle dynamics*, accentuated by *unusual policy shifts*, *geo-political disruptions* and *specific CNY risks* compounding *structural cracks*.

*The reference to Fed policy inflection from tightening/rate hikes to loosening/rate cuts.

4b. Relative AXJ Under-performance: Specific Structural Factors

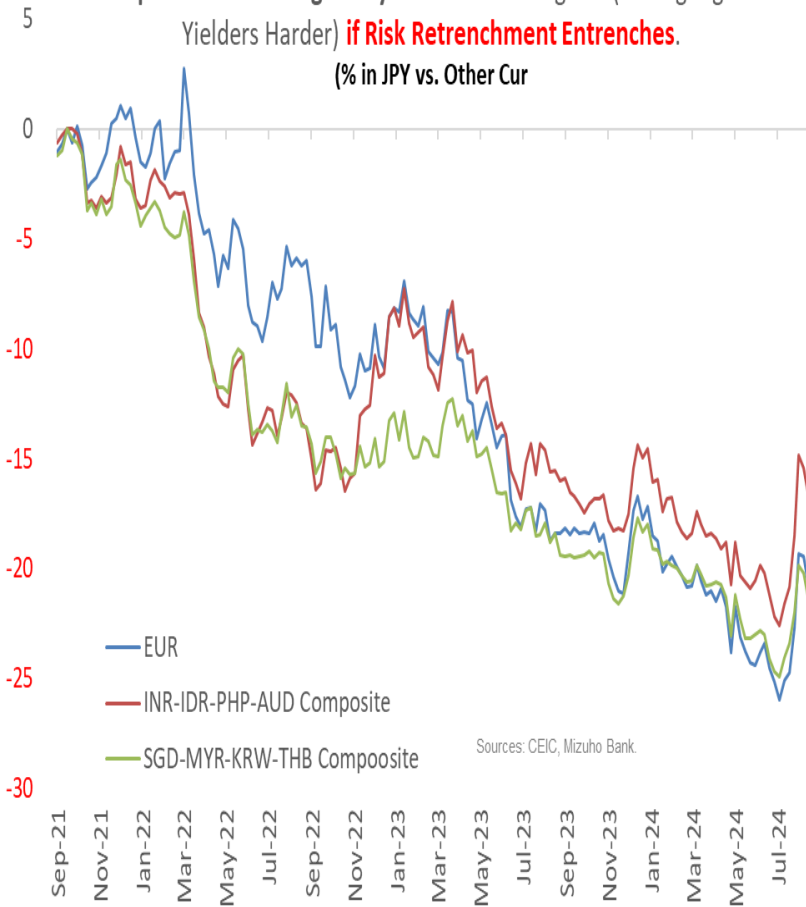
- Finally **structural and (economy-)specific deterioration affecting various AXJ currencies**, to varying degrees, could also **impair pre-Fed hike reversion of AXJ**.
- Some key, but non-exhaustive factors include *property-financial sector stress* (VND) to *political tensions* (VND, THB, KRW) to *accentuated geo-political threats* (TWD, PHP) to as follow.
- And *FX reserves* is notably asymmetric insurance, whereby *inadequacy* imposes a risk premium associated with structurally weaker currencies (e.g. VND) but on other hand, a notable build-up in FX reserves (e.g. INR) is no guarantee of currency boost/recovery
- In fact, *structural reforms* to boost manufacturing under “Make in India” is partly premised on a more competitive rupee, which underpins the case for rupee not reclaiming all of Fed hike losses.
- In any case, with the exception of SGD, which was boosted by an unprecedented magnitude of S\$NEER appreciation (allowing it to keep pace with the USD), **reversion to pre-Fed rate hike levels in AXJ would require substantial AXJ appreciation**.
- Which is a **high bar in the current risk climate**; amid heightened geo-political threats, fragile economic recovery and overarching China/CNH risks.

	DXY	CNH	CNY	KRW	TWD	SGD	THB	MYR	IDR	INR	VND	AUD	PHP
Sep '21 FOMC (Taper Flagged)	93.3	6.47	6.47	1,176	27.7	1.35	33.4	4.18	14,241	73.6	22,770	0.726	50.3
Mar '22 FOMC (Since First Hike)	98.7	6.36	6.35	1,220	28.4	1.36	33.3	4.20	14,321	76.2	22,862	0.735	52.3
Average of Taper Flag & First Hike	96.0	6.41	6.41	1,198	28.0	1.36	33.3	4.19	14,281	74.9	22,816	0.731	51.3
Latest (August Avg)	103.1	7.17	7.17	1,366	32.5	1.32	35.2	4.46	15,984	83.9	25,135	0.656	57.2
% Appreciation Required for "Reversion"*	-6.9%	11.8%	11.9%	14.0%	16.0%	-2.3%	5.7%	6.6%	11.9%	12.0%	10.2%	11.4%	11.6%

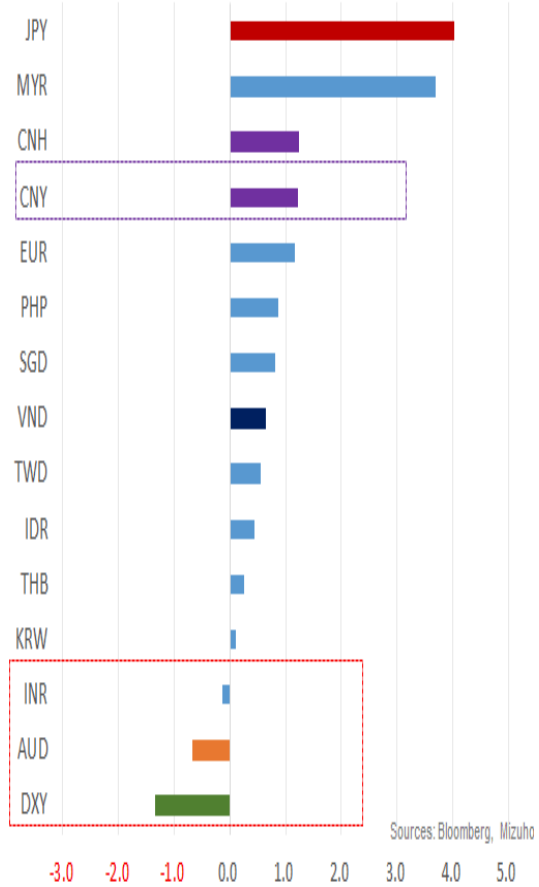
* reversion to average of Sep'21 & Mar'22 Levels

4c. JPY Carry Unwind is a Lingering Risk for AXJ

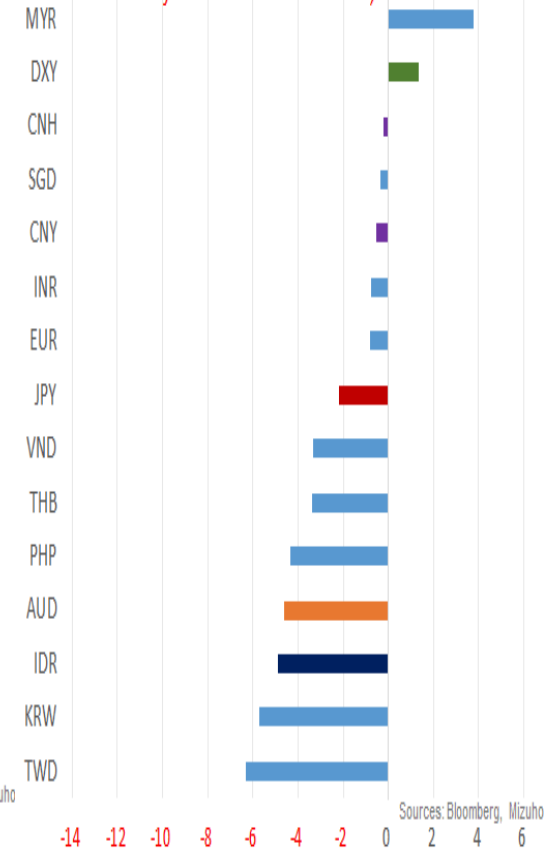
One-Way JPY Slump, since Fed Tightening Signals (Sep 2021), to **Multi-Decade (30Y-40Y) Lows** Sets the Stage for **Acute JPY Squeeze Unravelling Carry Trades & Denting AXJ** (Hitting High-Yielders Harder) **if Risk Retrenchment Entrenches.**
 (% in JPY vs. Other Cur)



BoJ-US Jobs Trigger (End July to 5th Aug): EM Asia FX moves Mostly **Playing off Weaker USD** and **CNH Buoyancy.** But **JPY Carry Unwind a Latent Risk.**

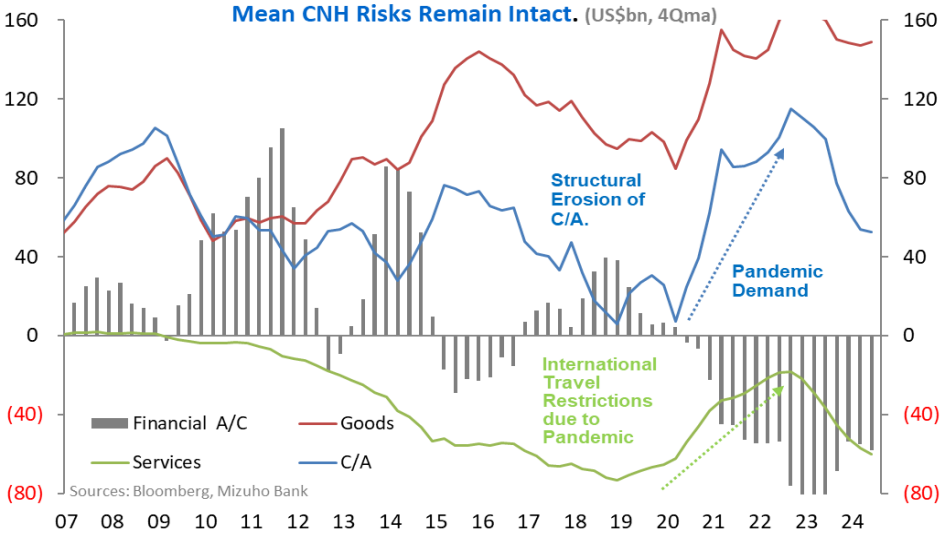


YTD (End-2023 to 5th Aug): But **EM Asia FX Remain Compromised More Broadly.** And **AXJ Pressures Can Re-emerge if JPY Squeeze, which has Reclaimed >80% of its Losses at at mid-2024, Mounts.**

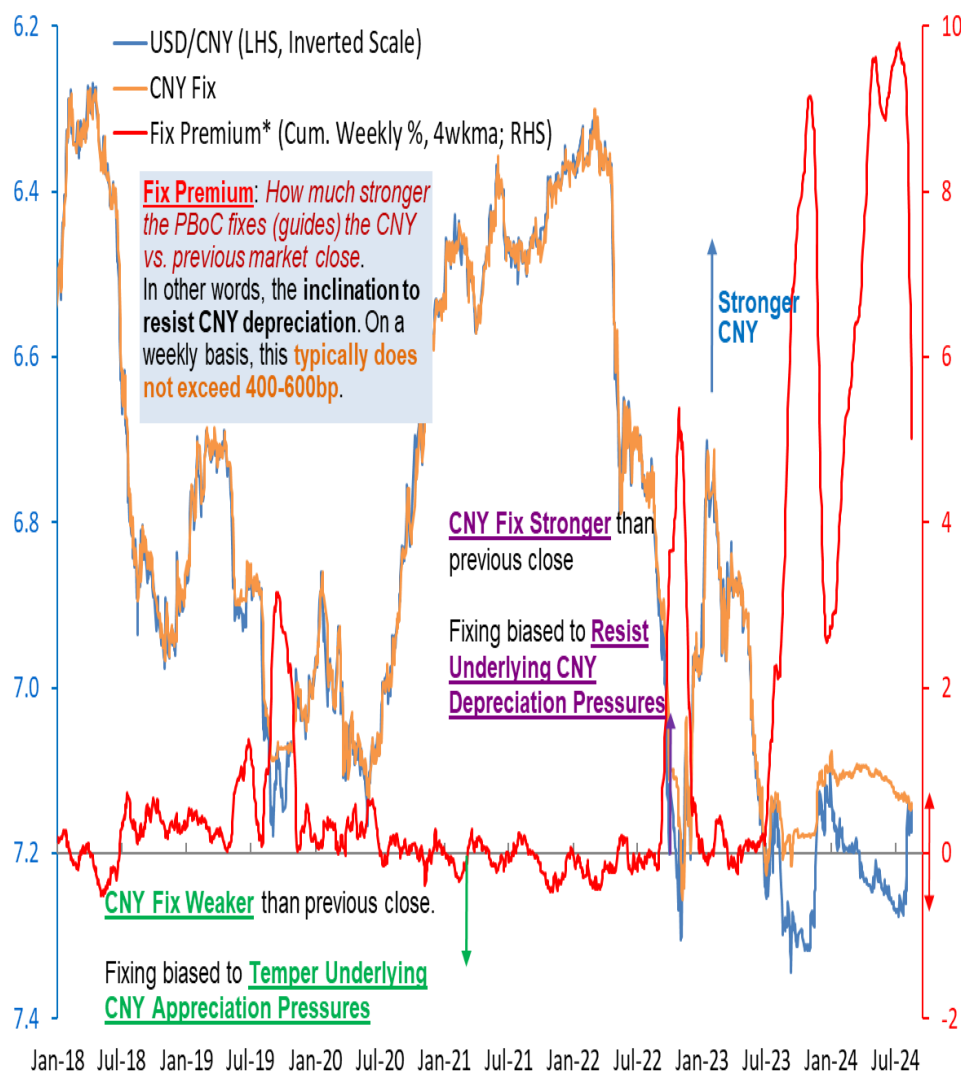


5a. CNH Depreciation Pressures though the Biggest Threat to AXJ

China: Goods Surplus Surge from Pandemic Demand & Diminished Net Tourism Outflows Are Fading Quickly; & Capital Outflows Mean CNH Risks Remain Intact. (US\$bn, 4Qma)



CNY Fixing has at a sharp premium to previous close, suggesting that the PBoC is Resisting Underlying Depreciation Pressures

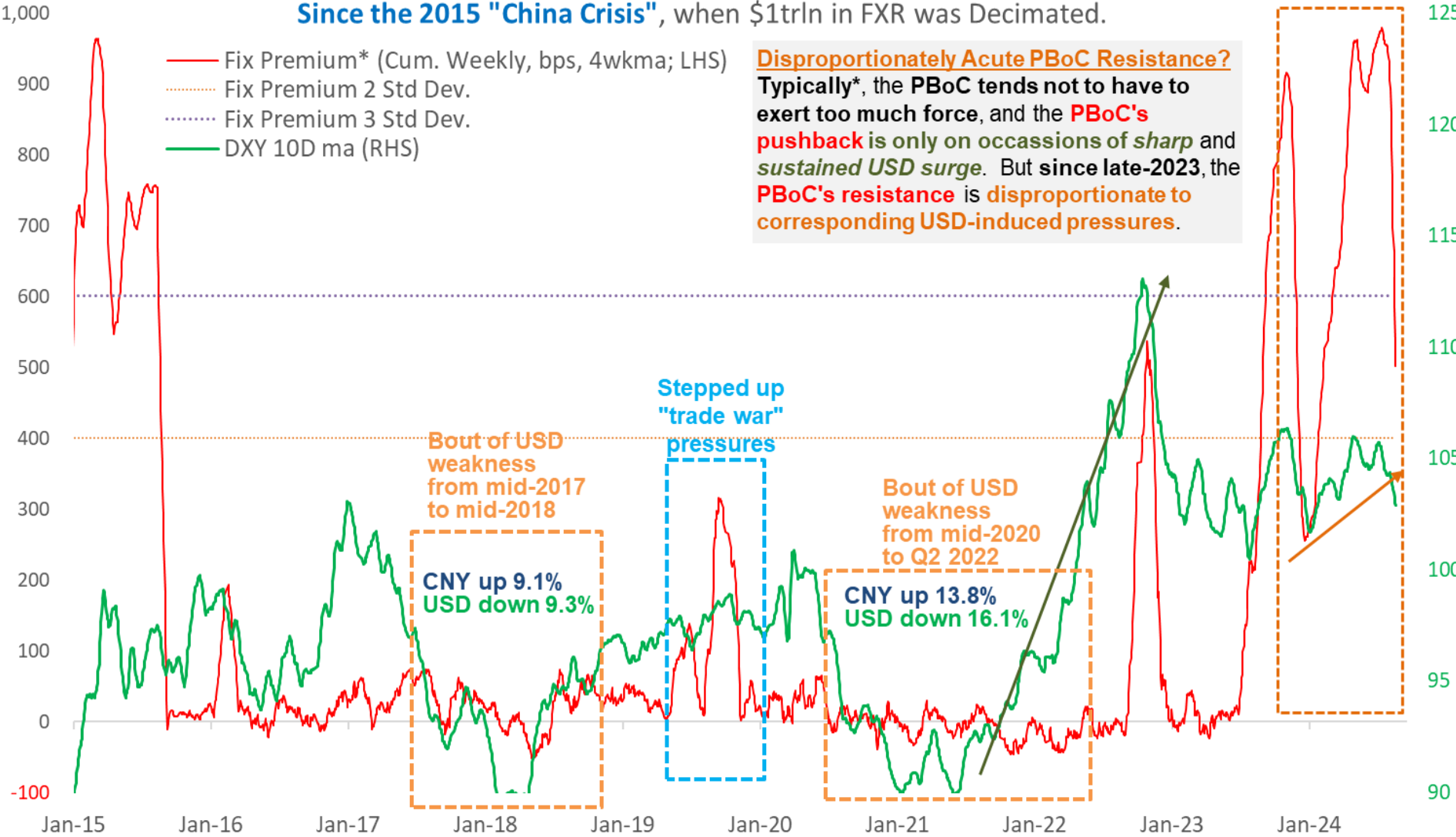


AXJC: Asia FX ex- JPY & CNY



5b. China Factor: Disproportionate Pressures a Reflection of China-specific Risk (Spill-over)

Implied PBoC Resistance of Underlying CNY Depreciation Pressures is; i) **Exceptionally Acute (>3 S.D.)**; ii) **Disproportionate to Corresponding Broad- USD Pressures**, and; iii) **Most Intense Since the 2015 "China Crisis"**, when \$1trln in FXR was Decimated.



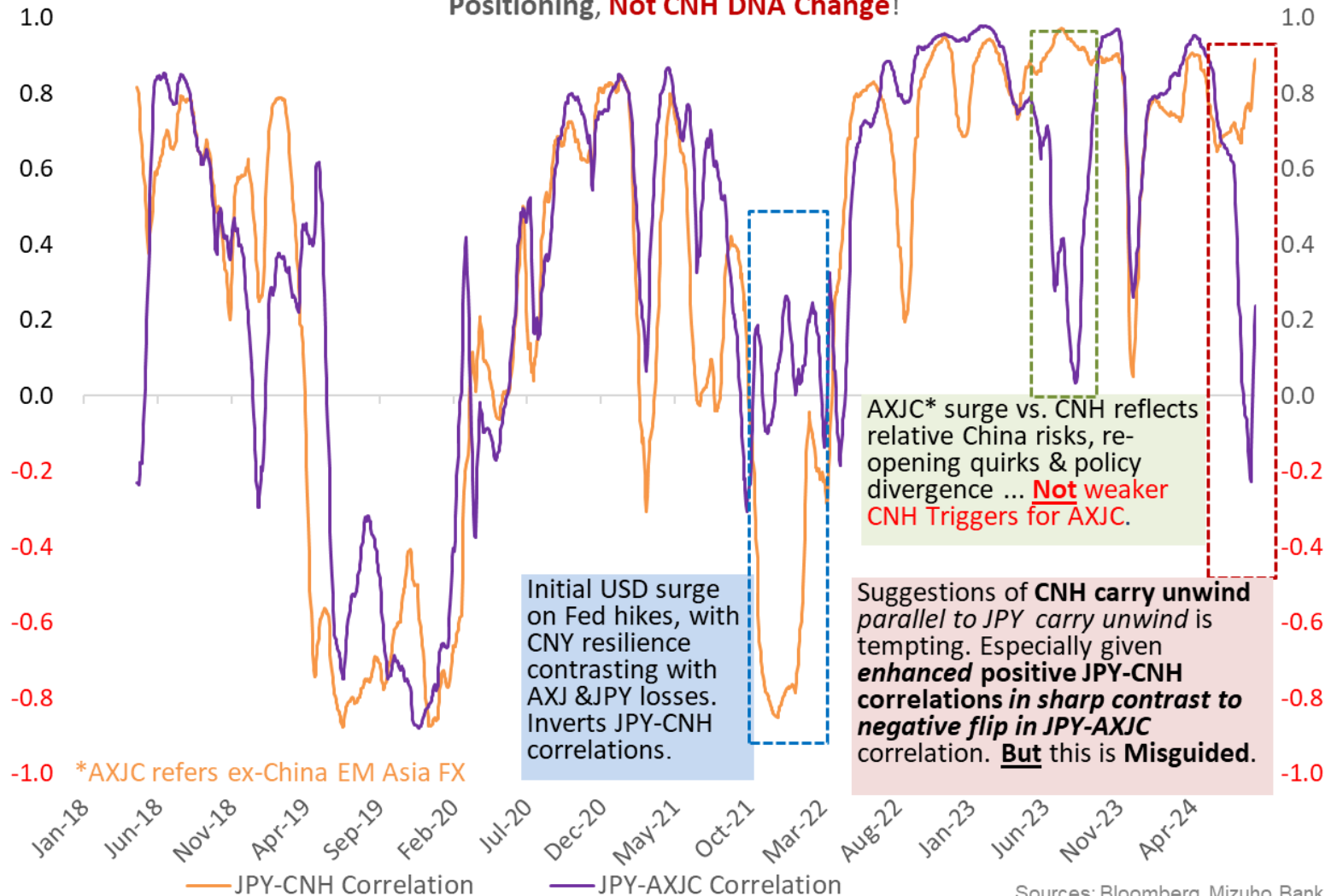
Disproportionately Acute PBoC Resistance?
 Typically*, the PBoC tends not to have to exert too much force, and the PBoC's pushback is only on occasions of sharp and sustained USD surge. But since late-2023, the PBoC's resistance is disproportionate to corresponding USD-induced pressures.

5c. CNY “Carry” Unwind is a Far Cry from JPY “Carry”

Comparing JPY Correlations (vs. CNH & AXJC*): CNH Tends to Track AXJC vs. JPY.

Current Exception (Positive JPY-CNH vs. Negative JPY-AXJC) is a **Quirk of Risk**

Positioning, Not CNH DNA Change!



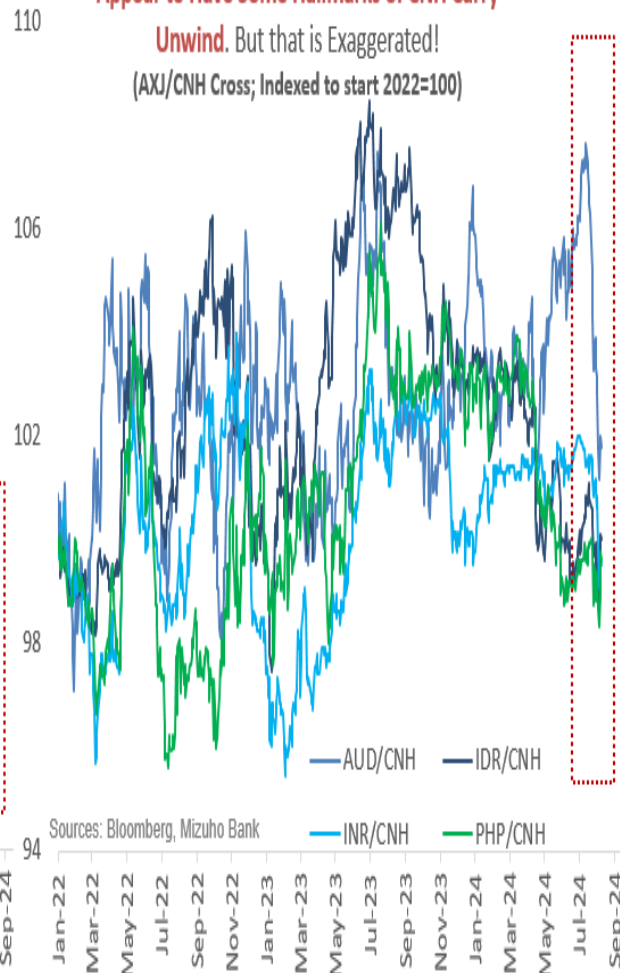
Sources: Bloomberg, Mizuho Bank

5c. Mixed CNH Outcomes Speak to Different DNA ... CNH Drag is Still the Bigger Risk

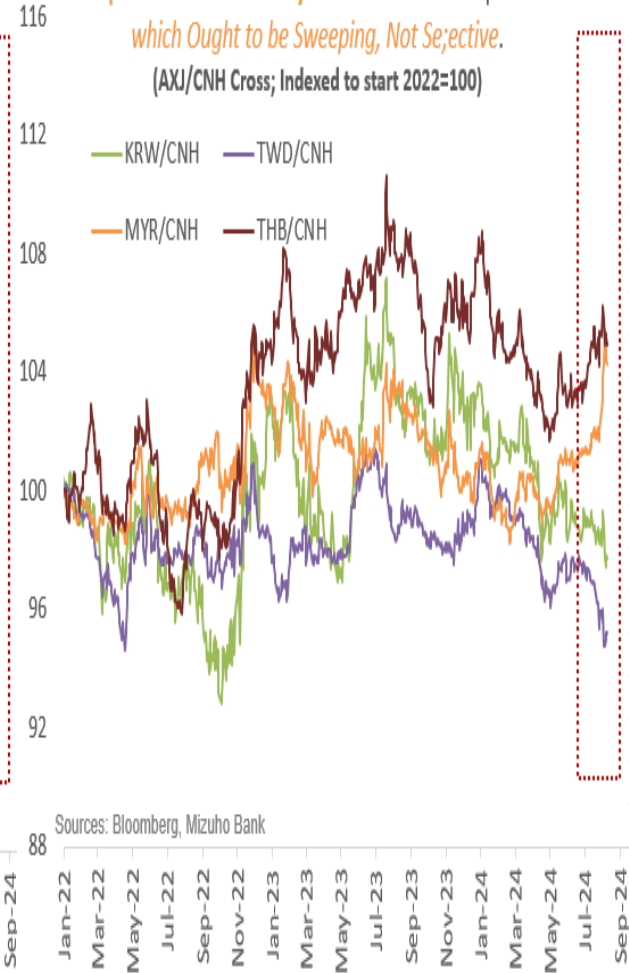
For one, **Sheer Strength of JPY/CNH Squeeze** Suggests **CNH is Not Immune From Adverse "Risk Off" Knock-On Impact from JPY Carry Unwind**. This **Underscores CNY Dynamics Closer to EM Asia Fx than JPY**.



Relative Higher-Yielders vs. CNH: Admittedly, **High Yielders** (typically more prone to JPY carry Unwind) **Appear to Have Some Hallmarks of CNH Carry Unwind**. But that is Exaggerated!



Relative Low-Yielders vs. CNH: Notably, CNH performance **vs. Low-Yielders** Far More Mixed. **Rejects Proper CNH-Funded Carry Unwind "Risk off" Squeeze...** which **Ought to be Sweeping, Not Se;ective**.



FX: A Bumpy Path for AXJ amid Policy, Elections, Geo-Political & China Risks

FX Forecasts	Sep 24	Dec 24	Mar 25	Jun 25	Sep 25
USD/CNY	7.00 - 7.43 (7.18)	6.98 - 7.58 (7.26)	6.94 - 7.45 (7.16)	6.91 - 7.30 (7.08)	6.86 - 7.25 (7.07)
USD/INR	81.5 - 86.6 (83.8)	80.2 - 87.5 (84.5)	78.4 - 84.9 (82.2)	78.0 - 83.7 (80.9)	78.1 - 83.3 (80.5)
USD/KRW	1220 - 1440 (1330)	120 - 140 (134)	1220 - 1350 (1280)	1200 - 1350 (1250)	1190 - 1290 (1240)
USD/SGD	1.276 - 1.356 (1.326)	1.315 - 1.400 (1.358)	1.299 - 1.373 (1.335)	1.294 - 1.353 (1.330)	1.302 - 1.368 (1.328)
USD/TWD	31.1 - 33.7 (32.1)	30.6 - 33.5 (32.5)	30.3 - 32.9 (31.3)	29.7 - 31.9 (30.6)	29.3 - 31.5 (30.2)
USD/IDR	15460 - 16420 (16100)	15830 - 17020 (16350)	15840 - 16960 (16200)	15800 - 16640 (16000)	15290 - 16600 (15800)
USD/MYR	4.27 - 4.67 (4.45)	4.34 - 4.65 (4.56)	4.33 - 4.75 (4.52)	4.26 - 4.70 (4.45)	4.20 - 4.55 (4.40)
USD/PHP	55.7 - 60.6 (58.0)	55.8 - 59.3 (58.4)	55.0 - 59.5 (57.8)	55.0 - 59.4 (57.2)	54.1 - 59.0 (56.8)
USD/THB	33.8 - 36.5 (34.8)	34.2 - 37.6 (36.2)	34.3 - 37.5 (35.3)	33.8 - 36.2 (34.8)	33.6 - 36.0 (34.6)
USD/VND	24600 - 25500 (25100)	25200 - 25800 (25300)	24800 - 25300 (24900)	24600 - 25200 (24800)	24500 - 25100 (24700)
AUD/USD	0.628 - 0.693 (0.665)	0.625 - 0.689 (0.652)	0.643 - 0.698 (0.673)	0.639 - 0.720 (0.686)	0.679 - 0.737 (0.705)

Disclaimer

Important Information

This publication has been prepared by Mizuho Bank, Ltd. ("Mizuho") and represents the views of the author. It has not been prepared by an independent research department and it has not been prepared in accordance with legal requirements in any country or jurisdiction designed to promote the independence of investment research and is not subject to any prohibition on dealing ahead of the dissemination of investment research.

Disclaimer

Unless otherwise stated, all views or opinions herein are solely those of the author(s) as of the date of this publication and are not to be relied upon as authoritative or taken in substitution for the exercise of judgement by any recipient, and are subject to change without notice.

This publication has been prepared by Mizuho solely from publicly available information. Information contained herein and the data underlying it have been obtained from, or based upon, sources believed by us to be reliable, but no assurance can be given that the information, data or any computations based thereon are accurate or complete. This publication provides general background information only. It is information in summary form and does not purport to be complete. This publication has been prepared for information purposes only and is not intended by Mizuho or its affiliates to constitute investment, legal, accounting, tax or other advice of any kind and all recipients of this publication are advised to contact independent advisors in order to evaluate the publication, including, without limitation, the suitability of any security, commodity, futures contract or instrument or related derivative (hereinafter, a "financial instrument"), product or strategy herein described. This publication is not intended to be relied upon as advice to investors or potential investors and does not take into account investment objectives, financial situation or needs of any particular investor. It is not intended for persons who are Retail Clients within the meaning of the United Kingdom's Financial Conduct Authority rules nor for persons who are restricted in accordance with US, Japanese, Singapore or any other applicable securities laws.

This publication has been prepared for information purposes only and is not intended by Mizuho to market any financial instrument, product or service or serve as a recommendation to take or refrain from taking any particular course of action or participate in any trading or other strategy. This publication is not an offer to buy or sell or a solicitation of any offer to buy or sell any security or any of the assets, businesses or undertakings described herein, or any other financial instrument, nor is it an offer to participate in any trading or other strategy, nor a disclosure document under applicable laws, rules, regulations or guidelines. Nothing contained herein is in any way intended by Mizuho or its affiliates to offer, solicit and/or market any financial instrument, product or service, or to act as any inducement to enter into any contract or commitment whatsoever. Neither the author, Mizuho nor any affiliate accepts any liability whatsoever with respect to the use of this publication or its contents or for any errors or omissions herein.

Mizuho and its affiliates, connected companies, employees or clients may take the other side of any order by you, enter into transactions contrary to any recommendations contained herein or have positions or make markets or act as principal or agent in transactions in any securities mentioned herein or derivative transactions relating thereto or perform or seek financial or advisory services for the issuers of those securities or financial instruments.

All of the information contained in this publication is subject to further modification without prior notice and any and all opinions, forecasts, projections or forward-looking statements contained herein shall not be relied upon as facts nor relied upon as any indication of future results. Opinions stated in this publication are subject to change without notice. Future results may materially vary from such opinions, forecasts, projections or forward-looking statements. The information contained in this publication may not be current due to, among other things, changes in the financial markets or economic environment. Mizuho has no obligation to update any information contained in this publication. Past performance is not indicative of future performance.

This is a strictly privileged and confidential publication. This publication contains information addressed only to a specific individual and is not intended for distribution to, or use by, any person other than the named addressee or any person or entity in any jurisdiction or country where such distribution or use would be contrary to law or regulation. Save with Mizuho's prior written consent, you may not disclose, divulge, reproduce or furnish any information contained herein to any other party. Please notify the sender immediately if you have mistakenly received this publication.

Singapore: Mizuho is licensed as a bank under the Banking Act (Chapter 19) of Singapore, and is regulated by the Monetary Authority of Singapore.

Japan: Mizuho is authorised and regulated by the Financial Services Agency of Japan.

United Kingdom / European Economic Area: In the UK, Mizuho is authorised by the Prudential Regulation Authority and subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of MHBK's regulation by the Prudential Regulation Authority are available upon request. This publication may also be distributed by Mizuho International plc ("MHI"). MHI is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

United States: This publication is not a "research report" as defined in Commodity Futures Trading Commission ("CFTC") Regulations 1.71 and 23.605. The content of publications distributed by Mizuho Securities USA Inc. ("MSUSA") is the responsibility of MSUSA. The content of publications distributed directly to US customers by Mizuho is the responsibility of Mizuho. US investors must effect any order for a security that is the subject of this report through MSUSA.

© 2014 Mizuho Bank Ltd.