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Rising US government debt: What to watch? Treasury auctions, rating agencies, and the term premium

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OUTLOOK FOR 2023: INFLATION HAS PEAKED, TIME TO PUT MONEY TO WORK

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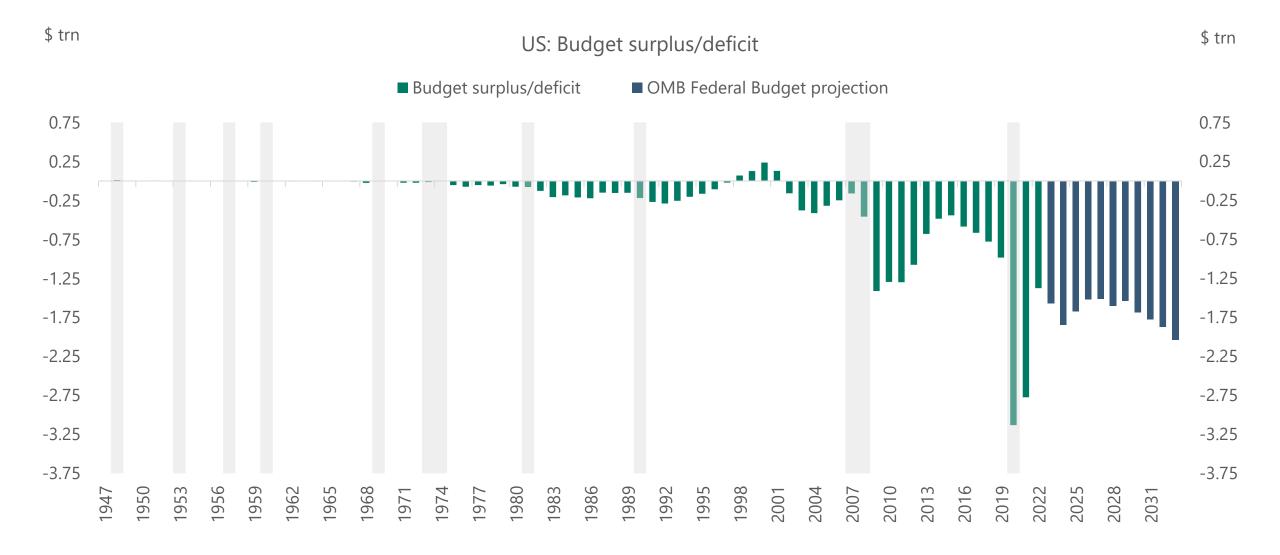
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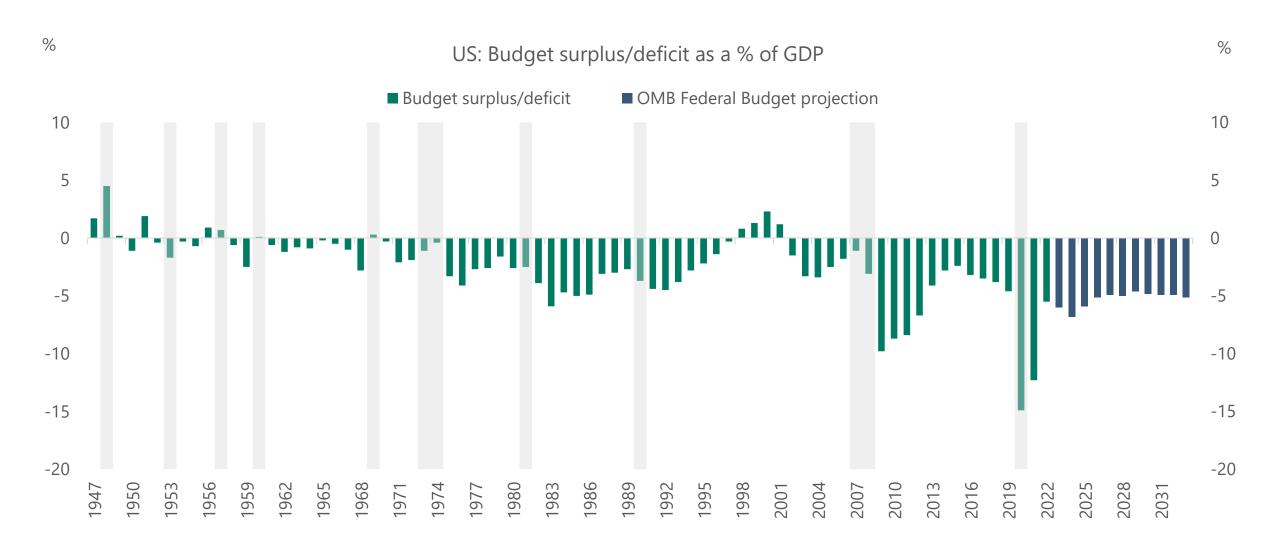
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Government budget deficits and debt levels

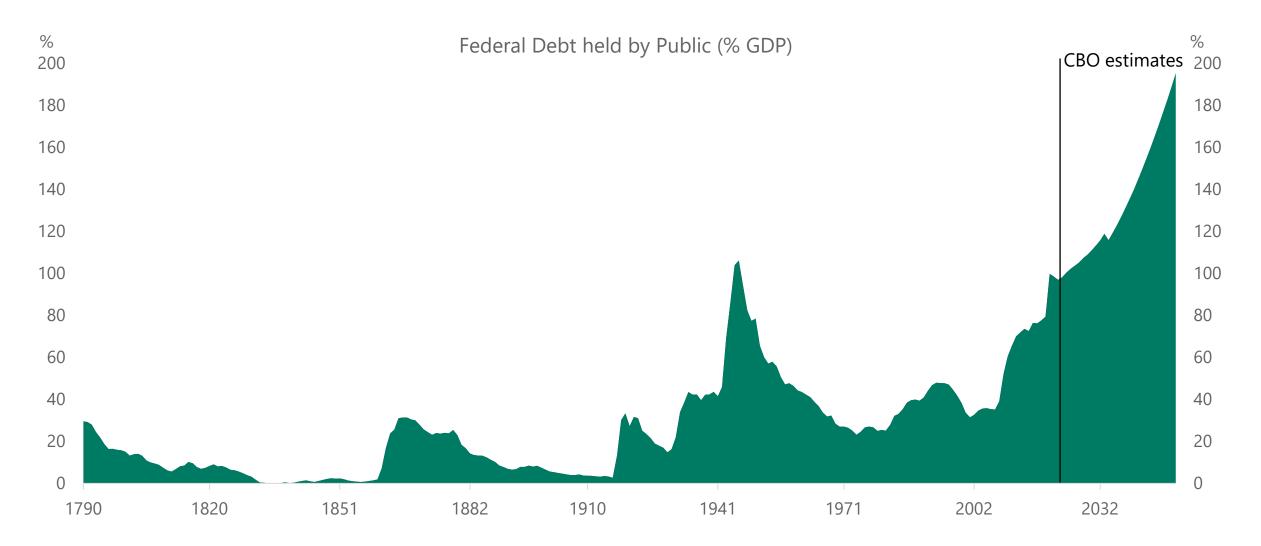
Trillion-dollar deficits as far as the eye can see



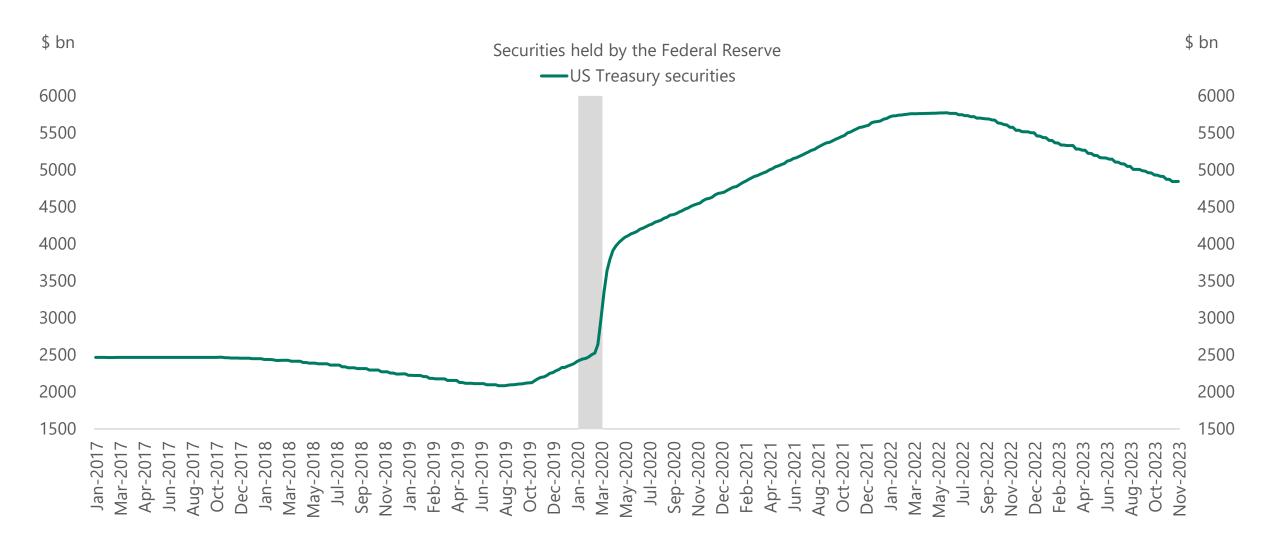
OMB forecasts 5% budget deficit every year for the next 10 years



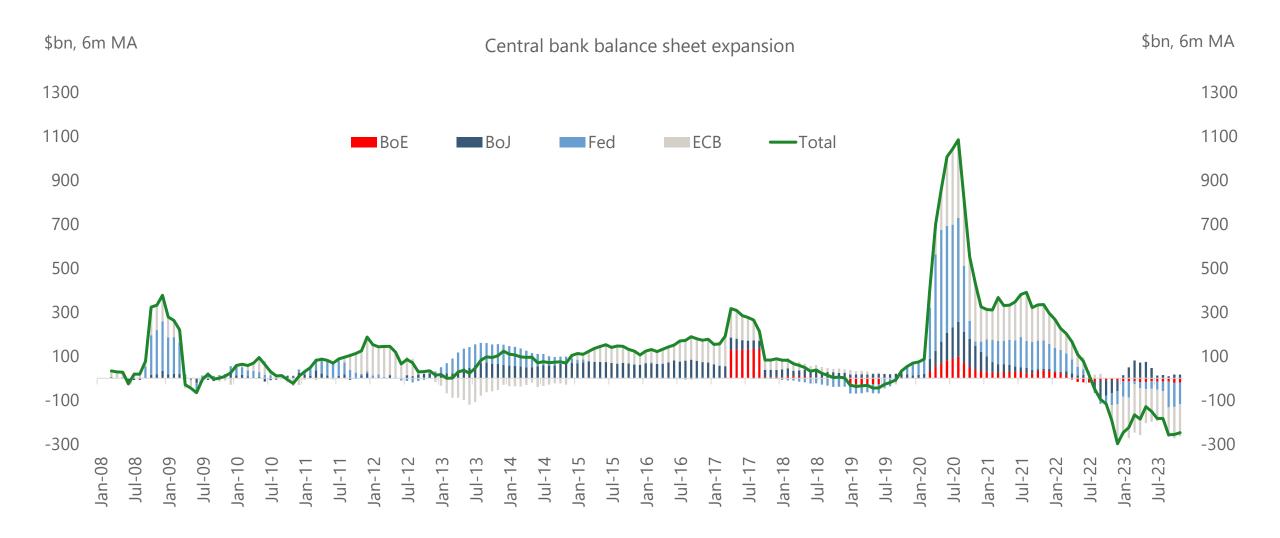
Under current policies, debt outstanding will grow to 200% of GDP



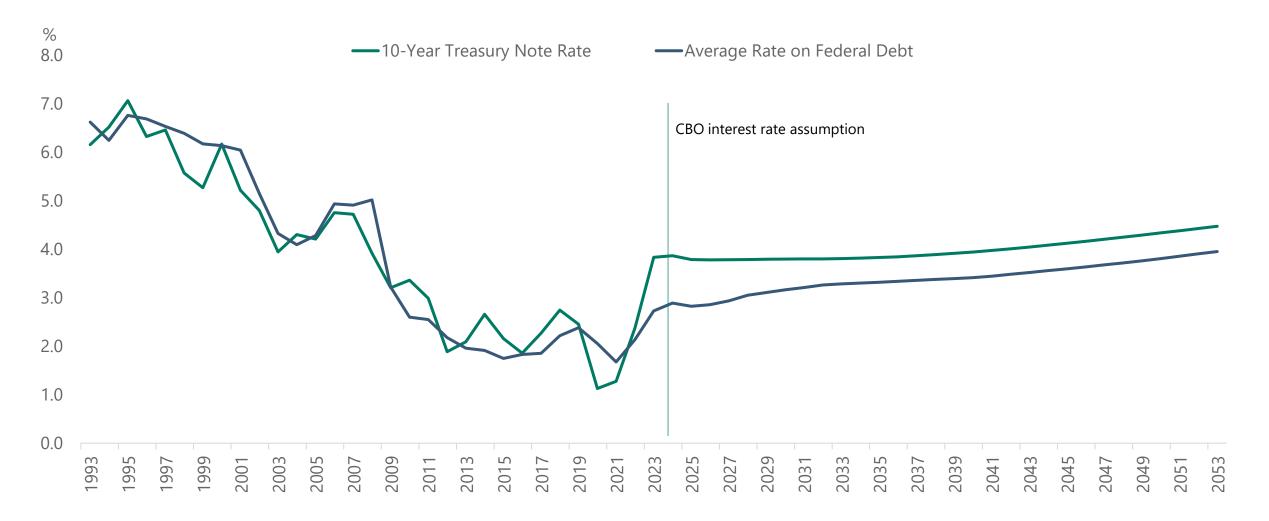
More Treasury supply from QT: Fed is selling \$60bn every month



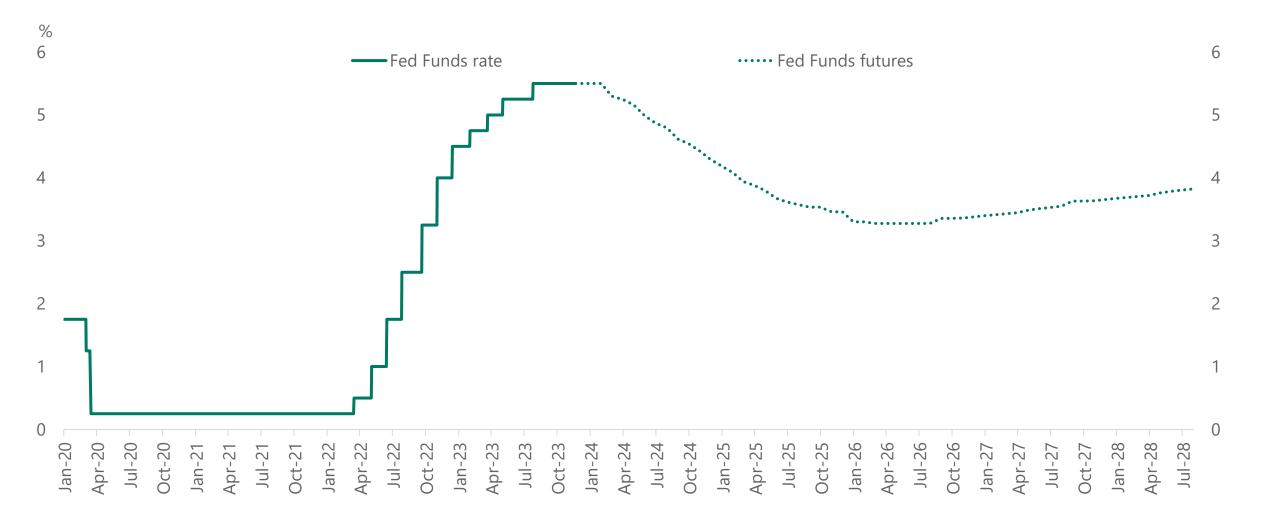
G4 Central bank balance sheets



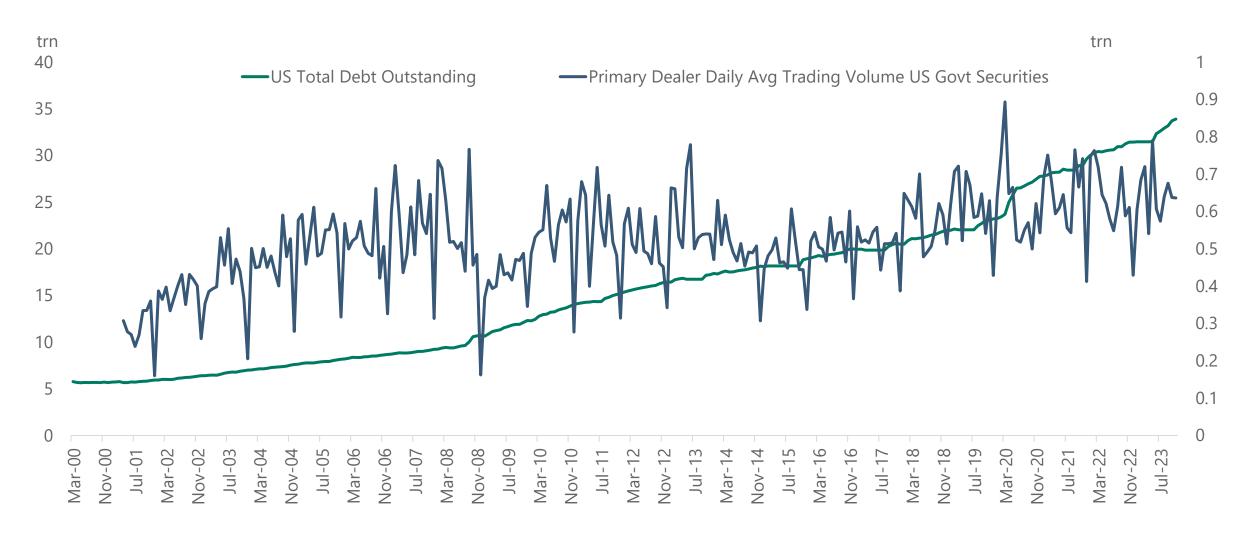
CBO interest rate assumption



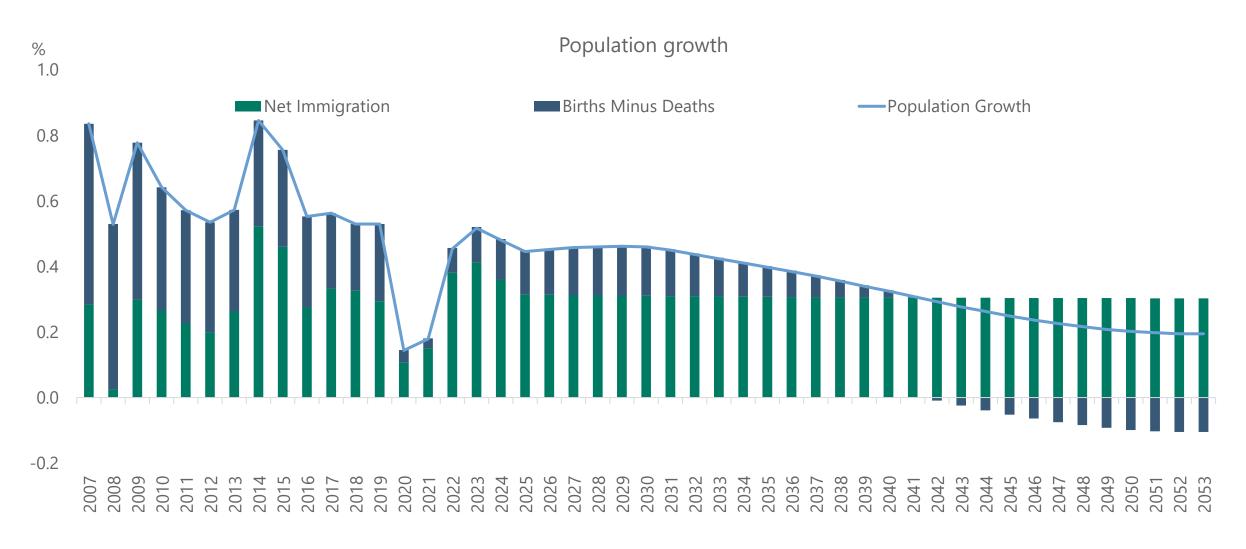
Market pricing rates higher for longer



Low liquidity: Public debt outstanding vs primary dealer trading volume



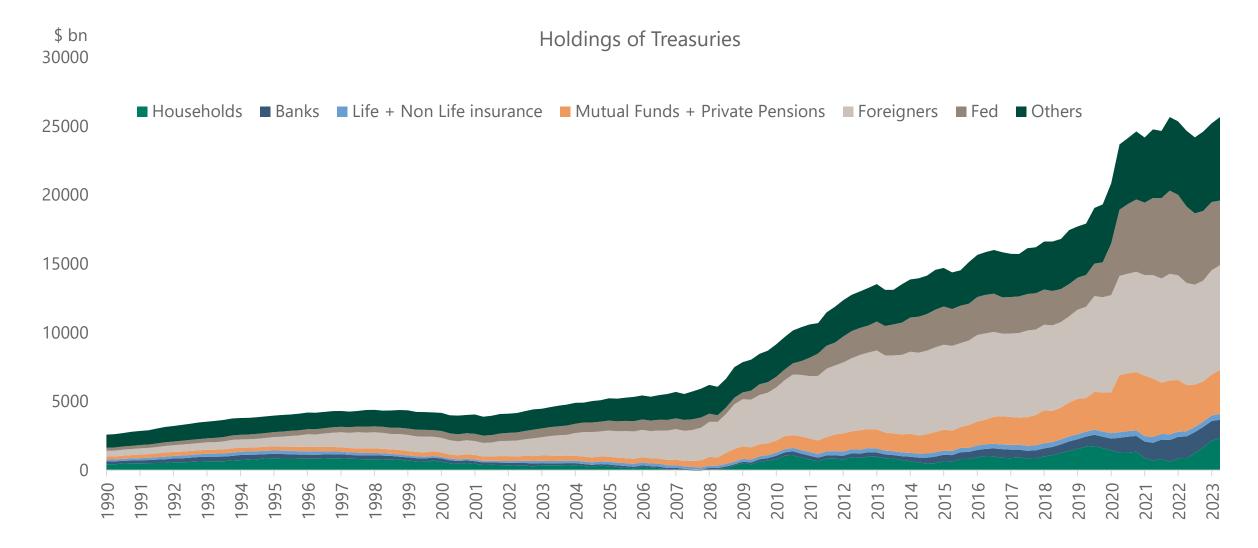
Factors contributing to population growth: Migration is key driver



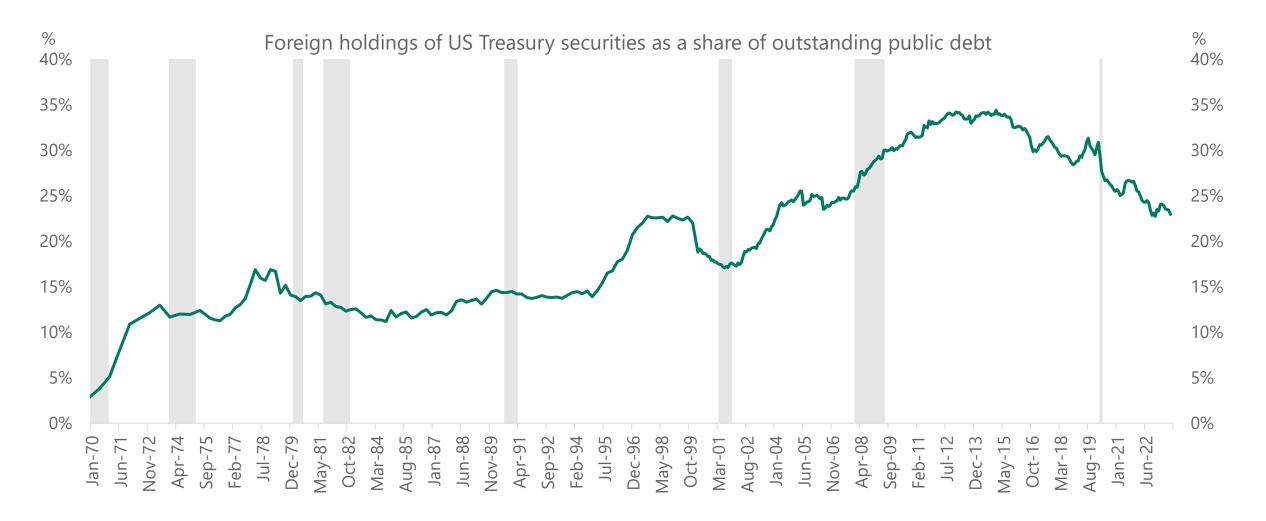
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Who owns US government debt?

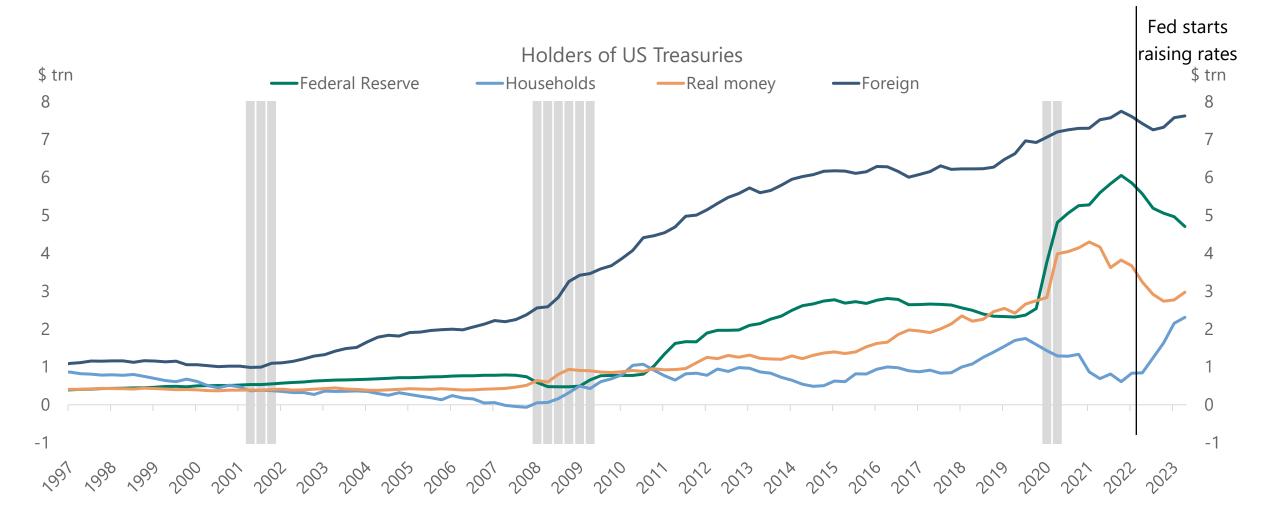
Who owns the \$25trn in Treasuries outstanding?



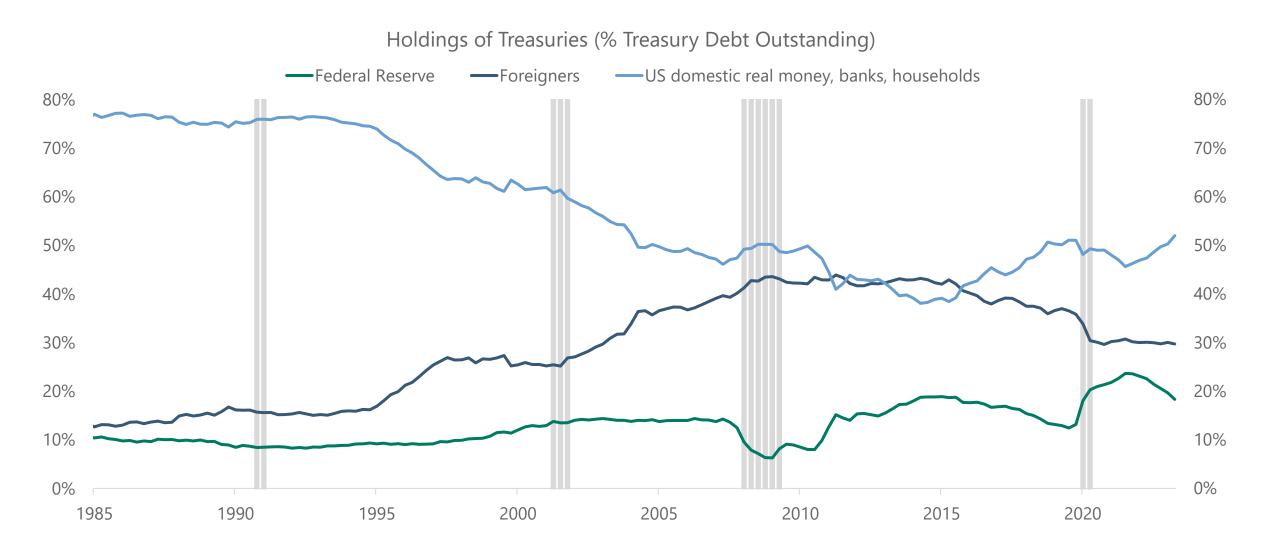
Trend decline in foreign ownership of US government bonds since 2015



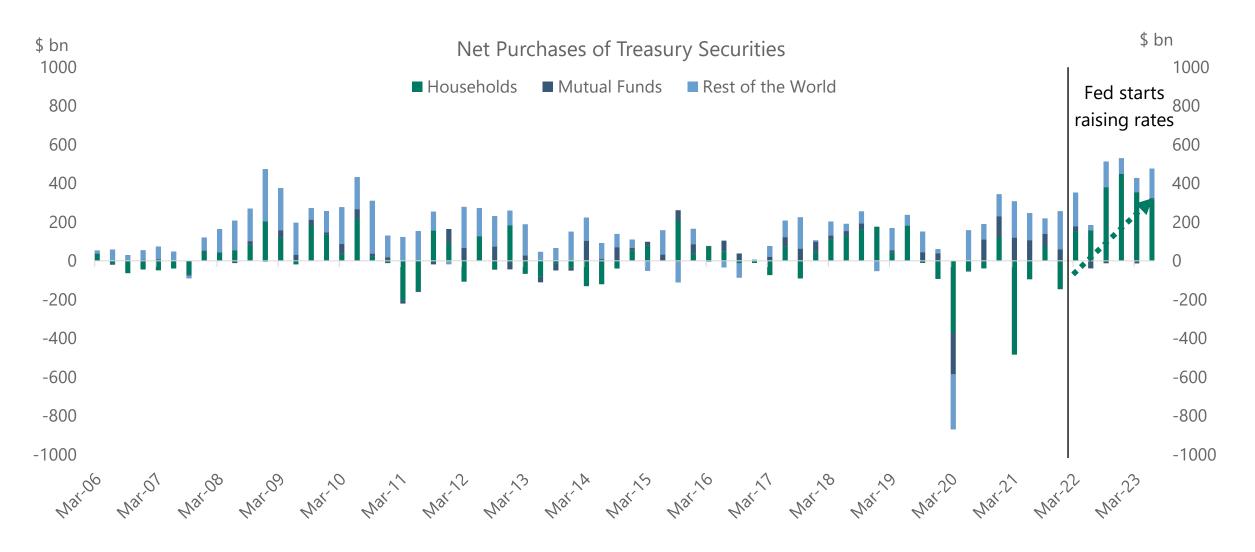
US households and real money buying Treasuries, Fed selling Treasuries



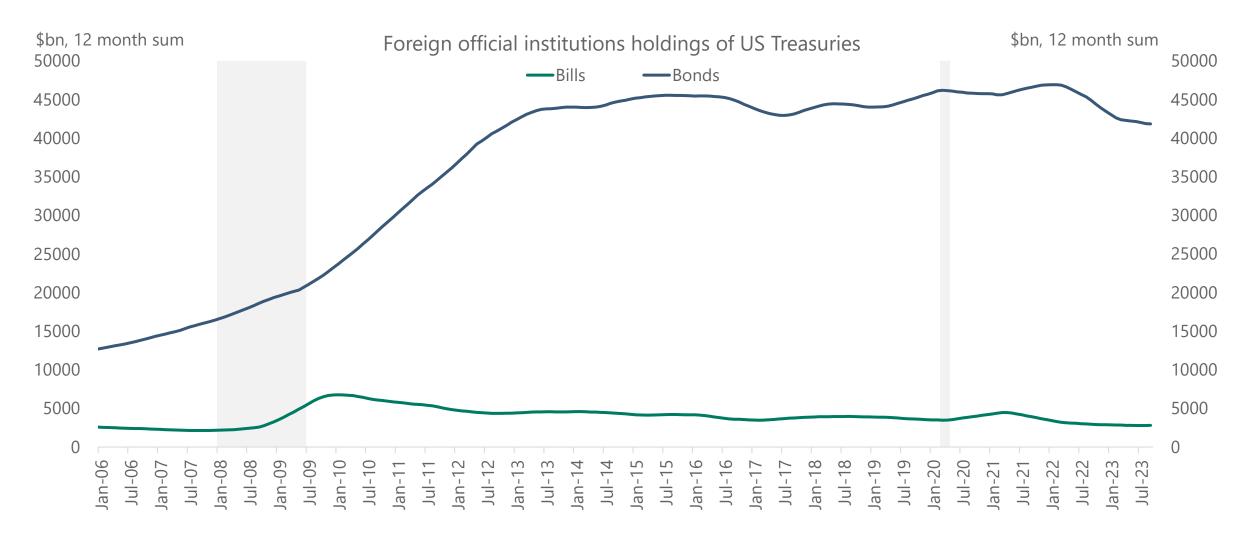
Fed selling Treasuries (doing QT). Domestic investors buying Treasuries



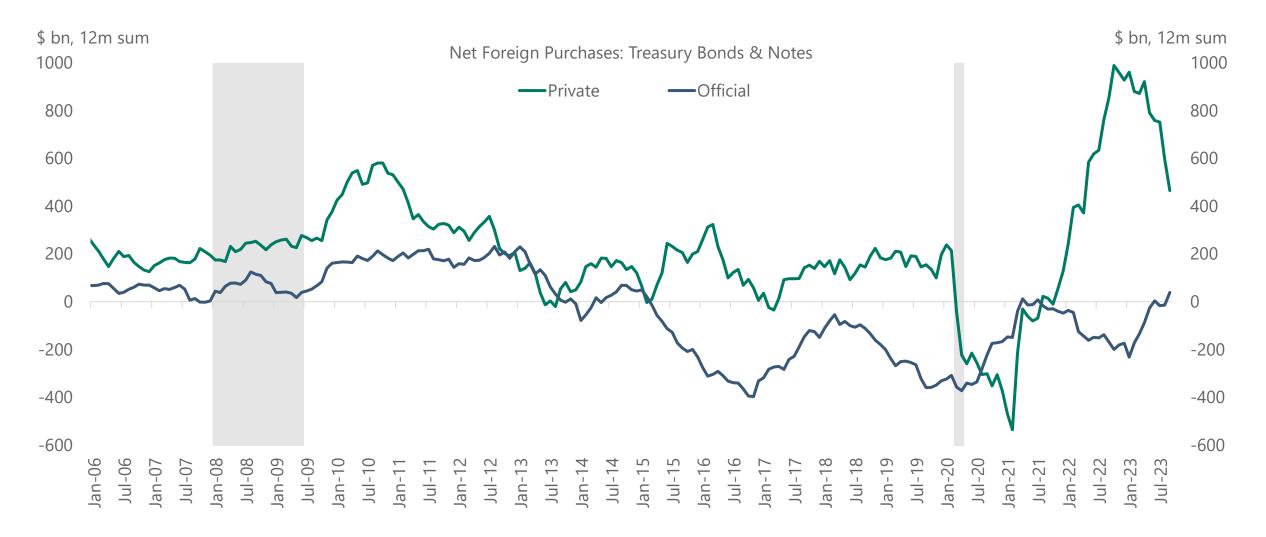
As the Fed has been raising rates, US households have been big buyers of US Treasuries



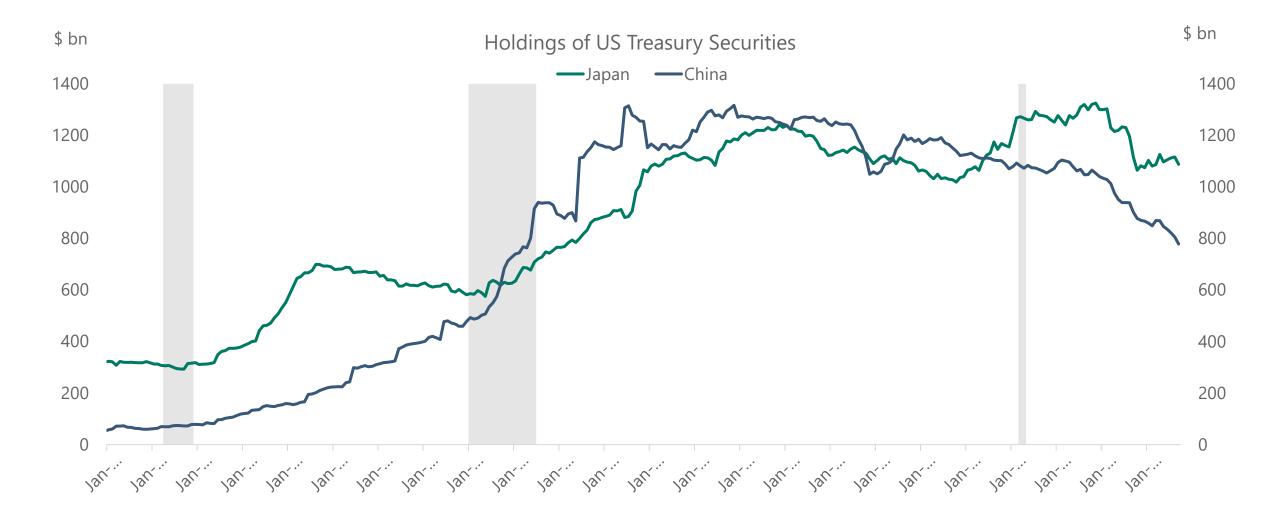
Foreign official holdings of US bonds is falling



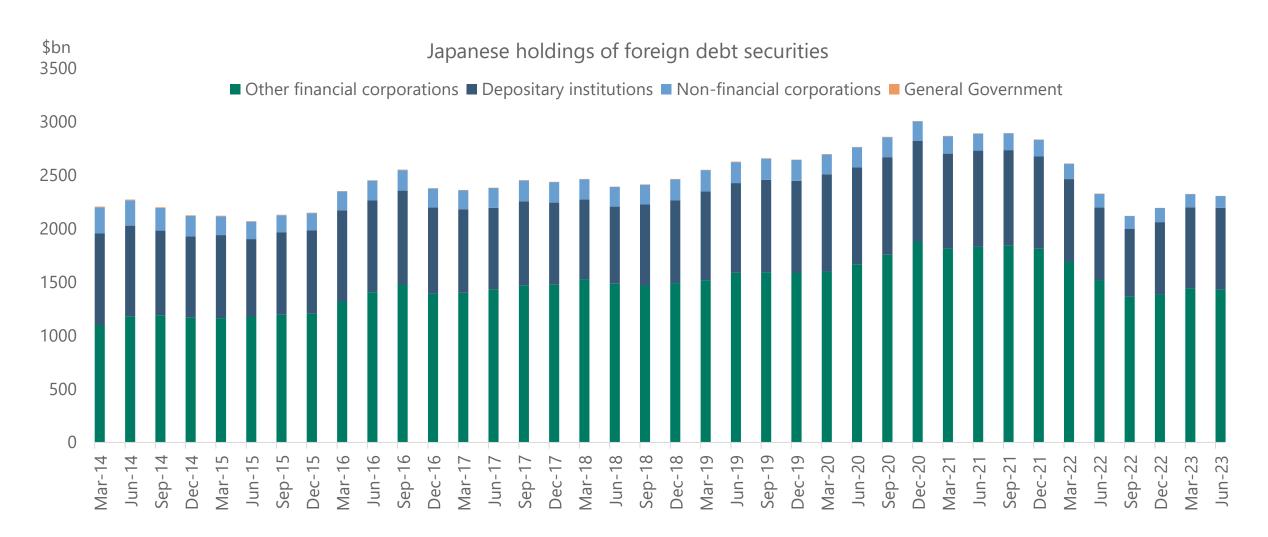
Foreign purchases of Treasuries comes from the private sector



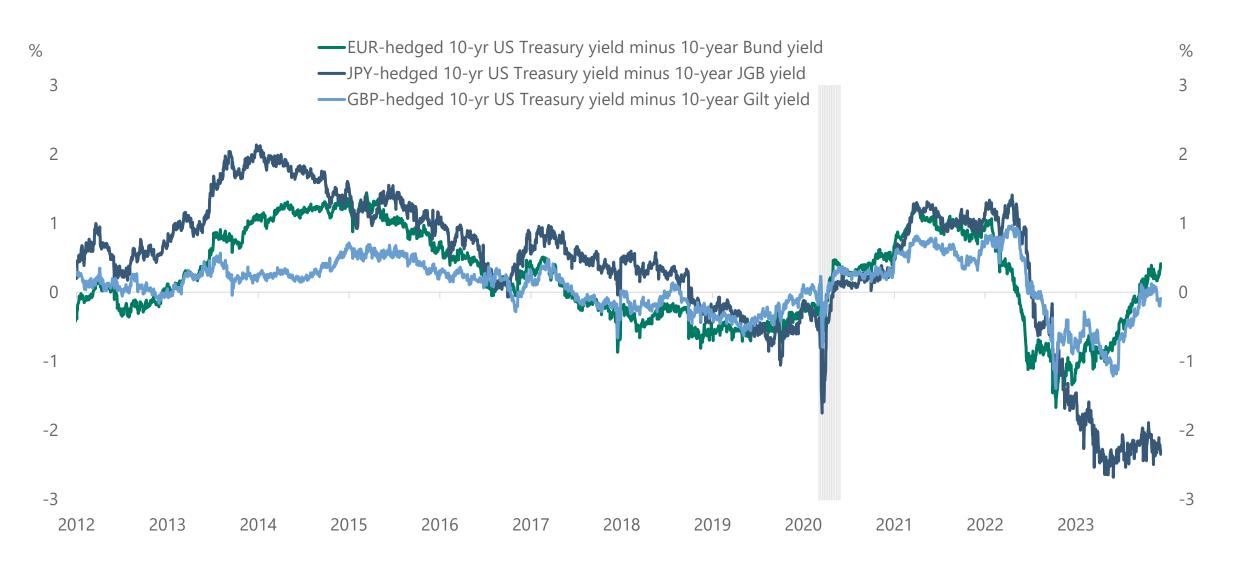
Japanese and Chinese holdings of Treasury securities



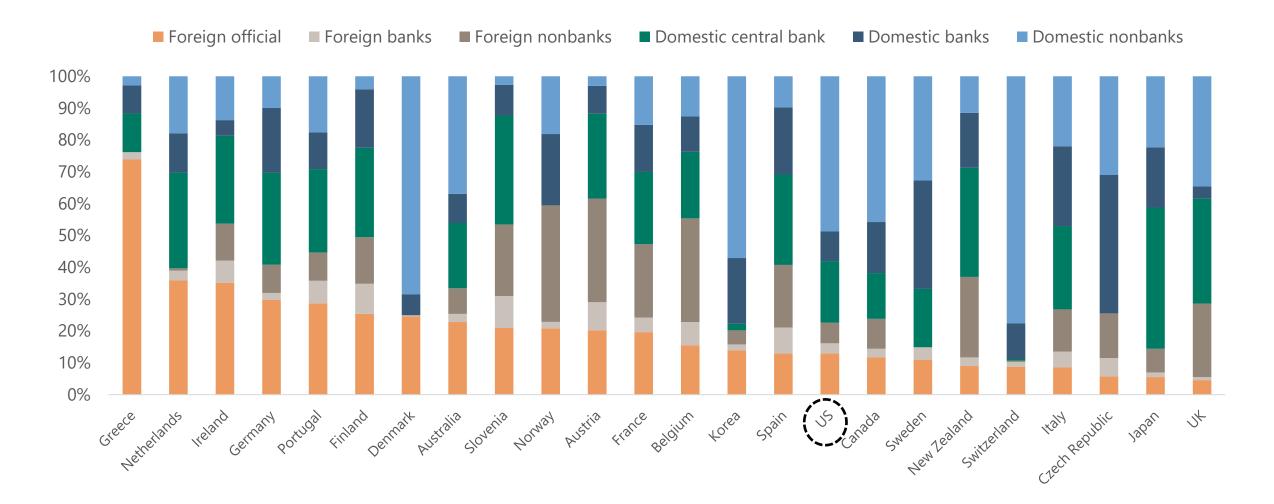
Japan: Insurance and pension own most of the foreign debt securities



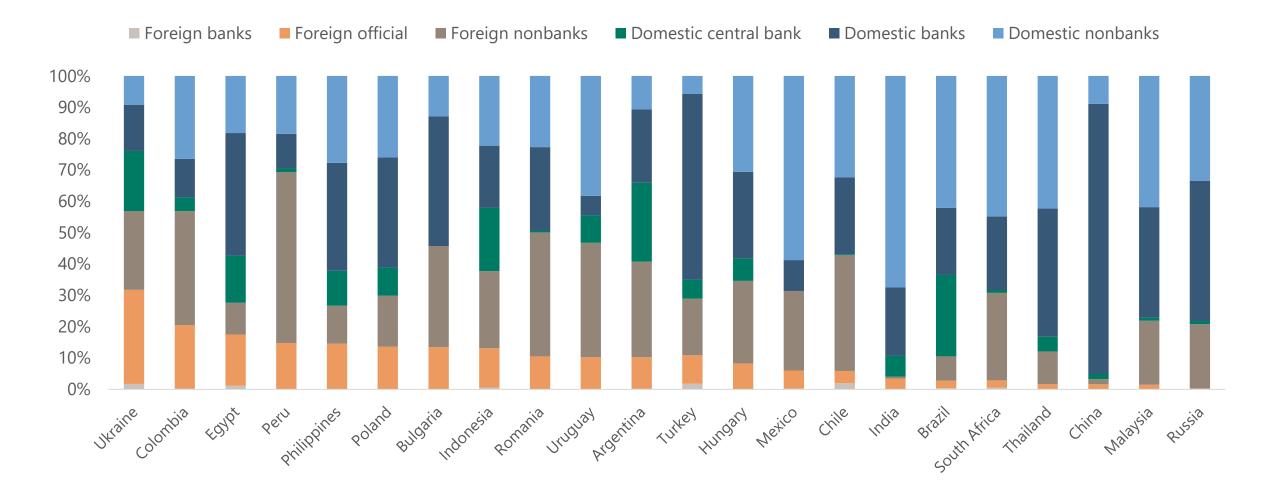
Hedging costs are high for Japanese investors buying US Treasuries



Who owns different countries' government debt?



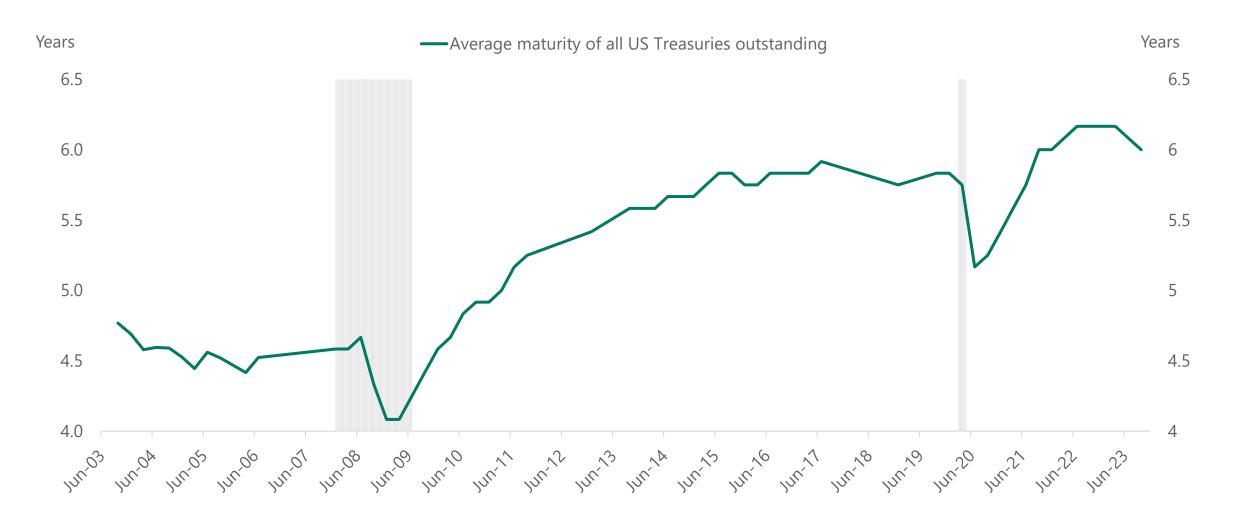
EM: Who owns different countries' government debt?



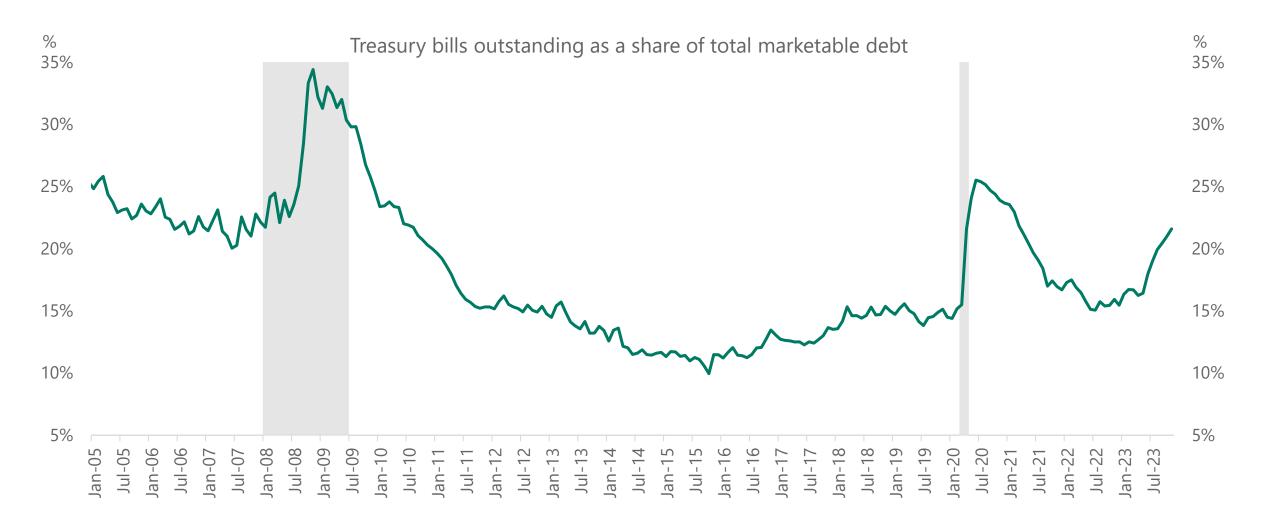
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The maturity structure of US government debt

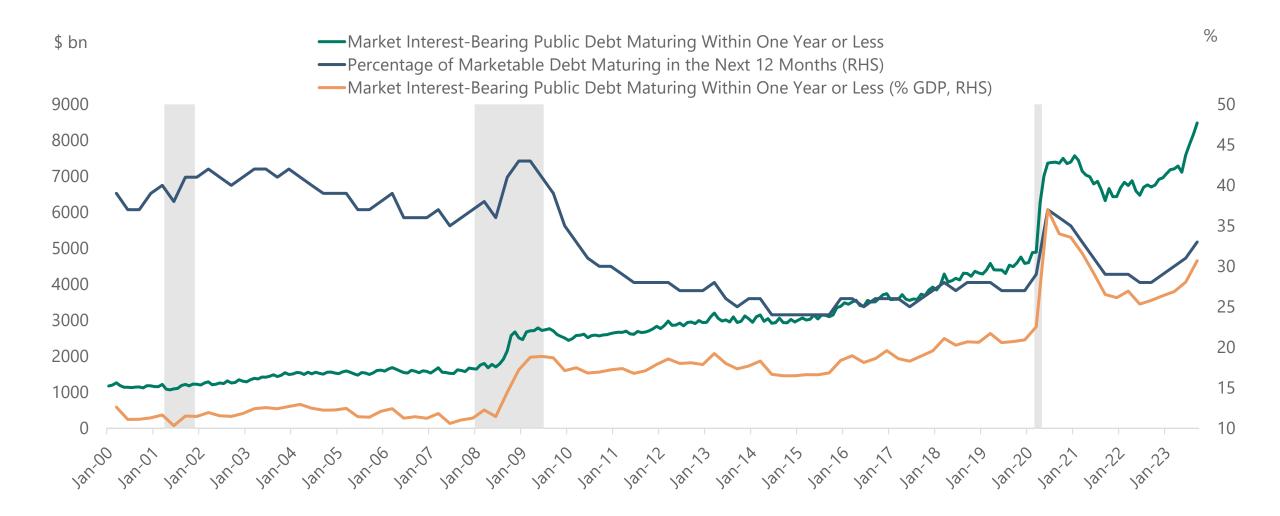
Weighted average maturity of debt outstanding: 6 years



Share of T-bills has increased significantly in 2023



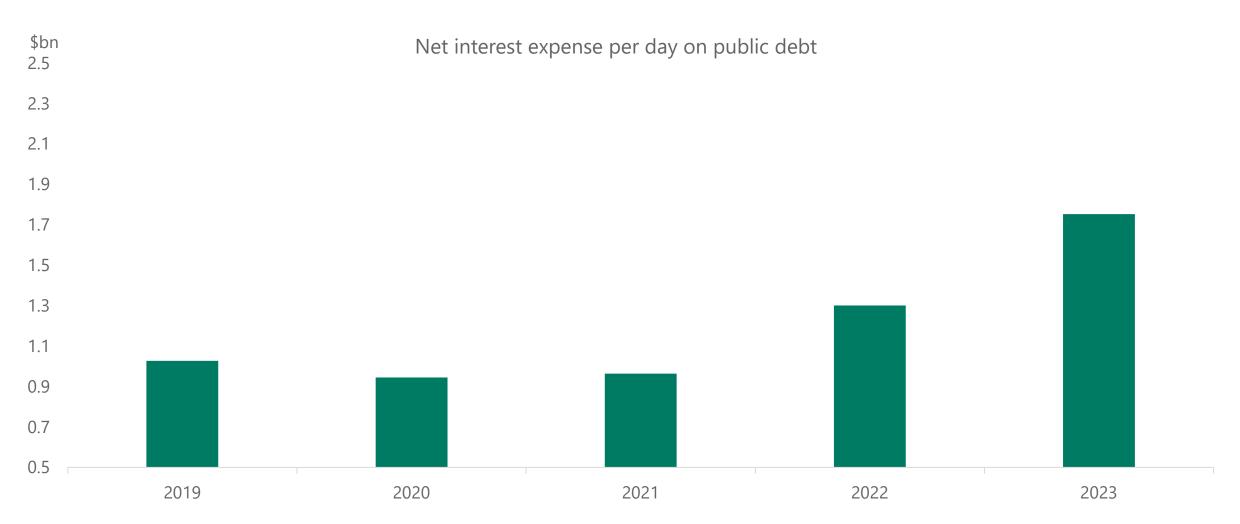
\$8.5trn - or 33% - of government debt will mature over the next year



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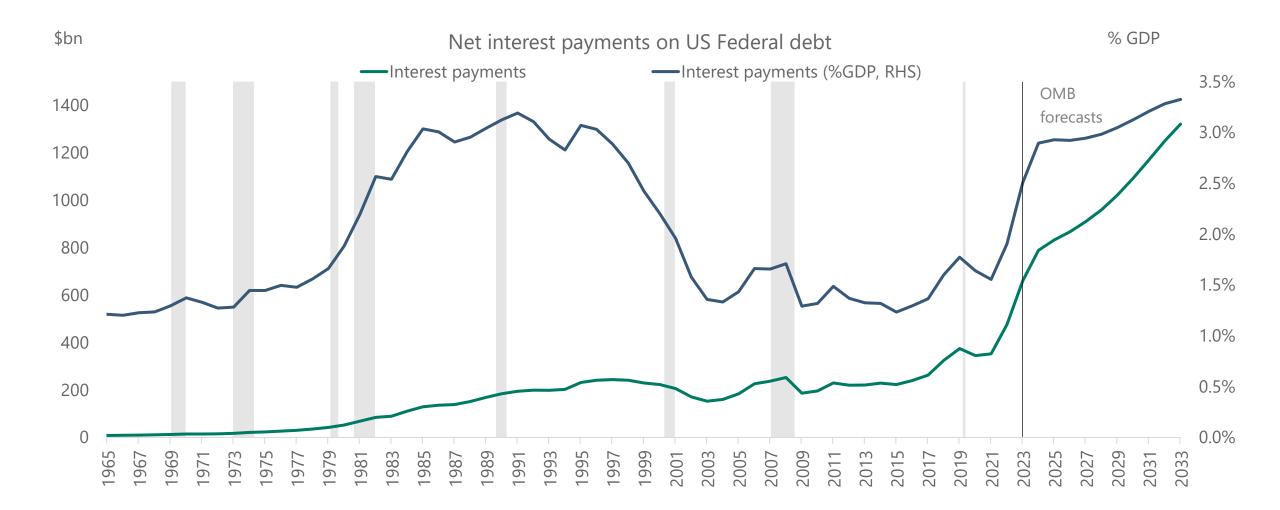
Debt servicing costs rising

US government interest payments per day have doubled from \$1bn per day before the pandemic to almost \$2bn per day in 2023

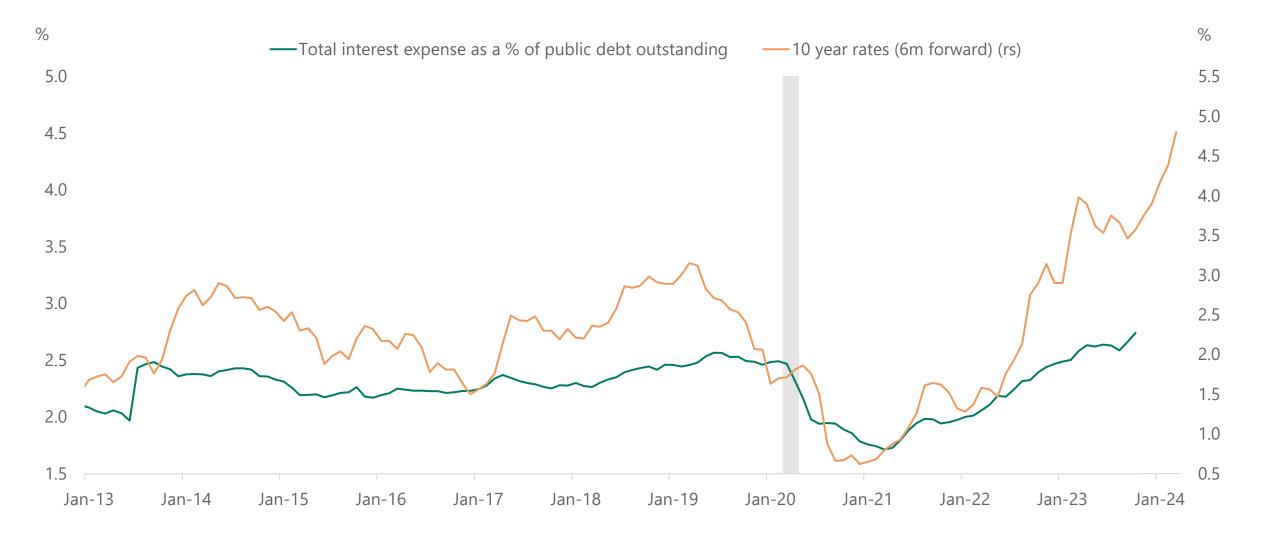


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Debt servicing costs rising rapidly

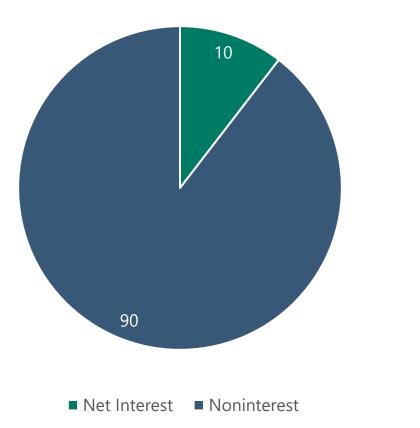


Interest payments on government debt are rising

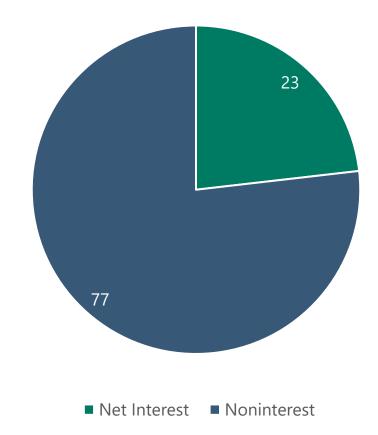


CBO: Debt servicing costs will grow as a share of total outlays over the next 30 years

Total outlays, 2023

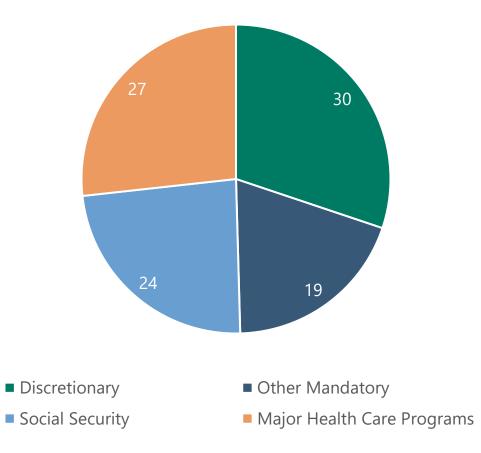


Total outlays, 2053

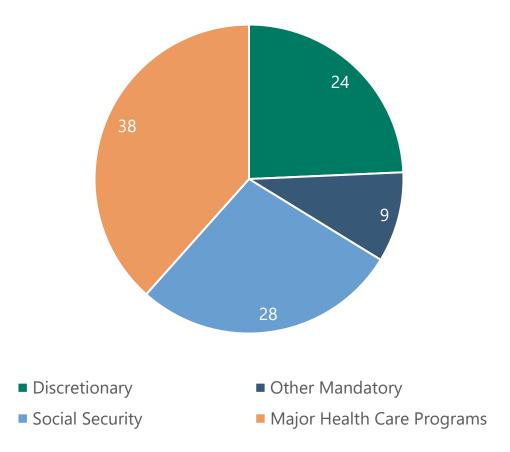


CBO: Non-interest outlays distribution, 2023 vs 2053

Total non interest outlays, 2023



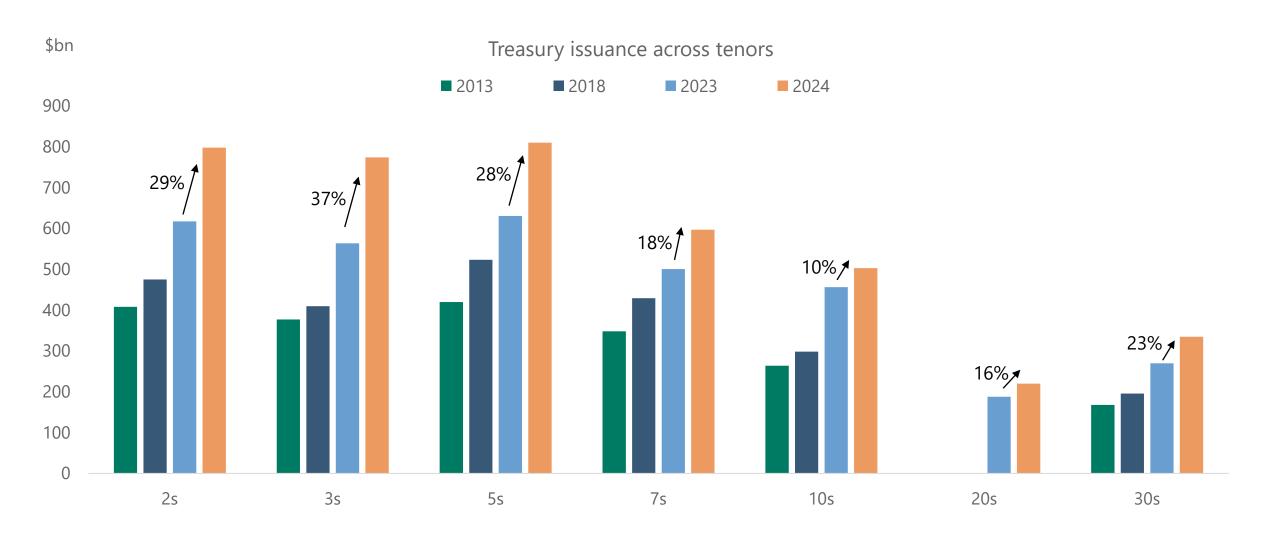
Total non interest outlays, 2053



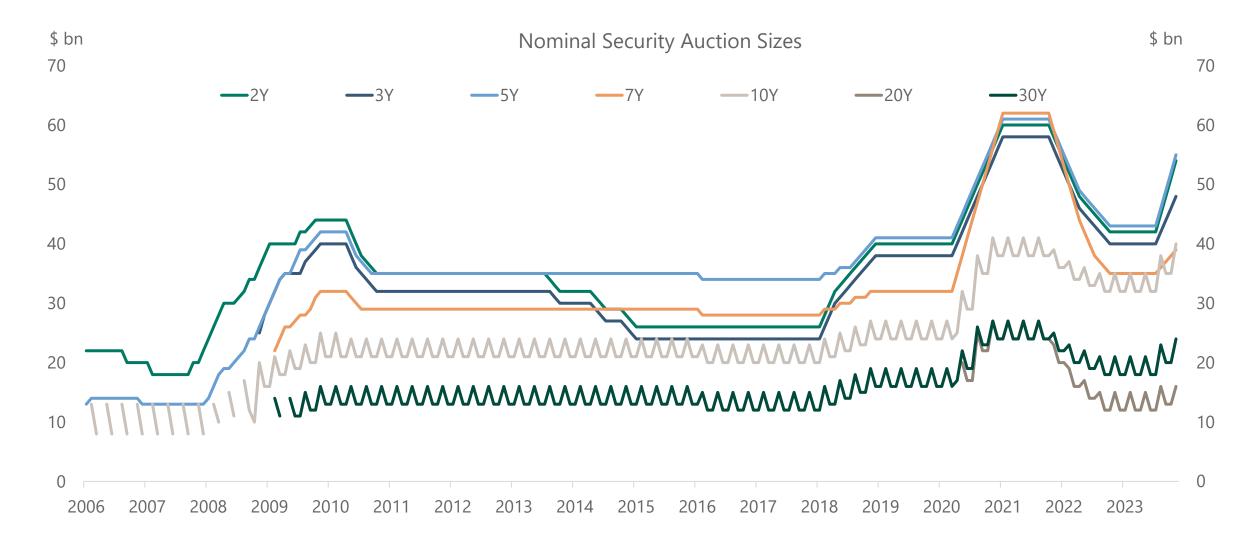
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Treasury auction metrics

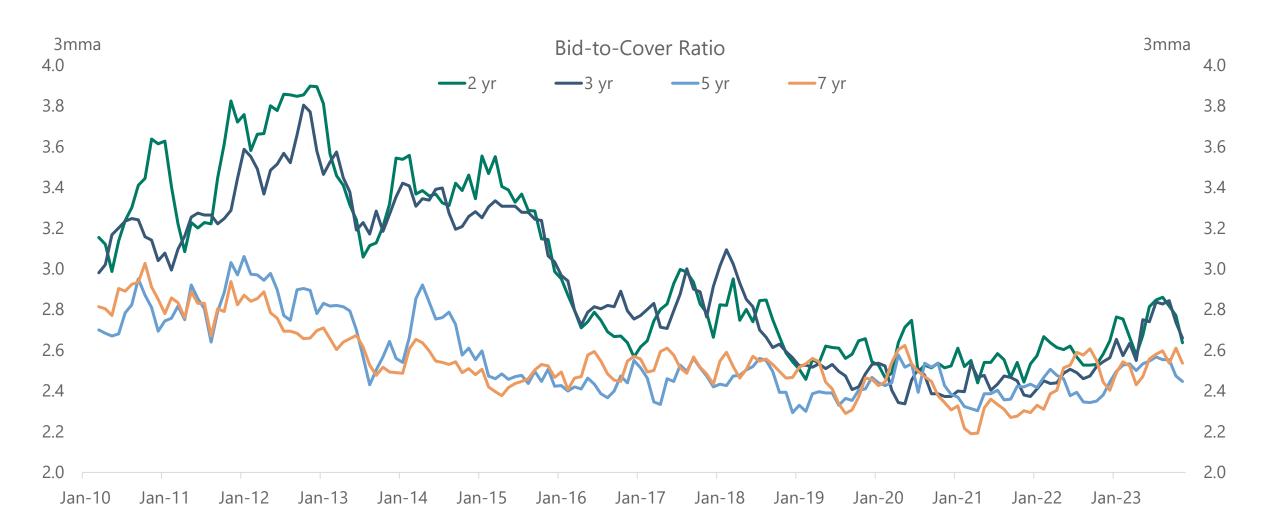
Treasury auction sizes will in 2024 increase on average 23% across the yield curve



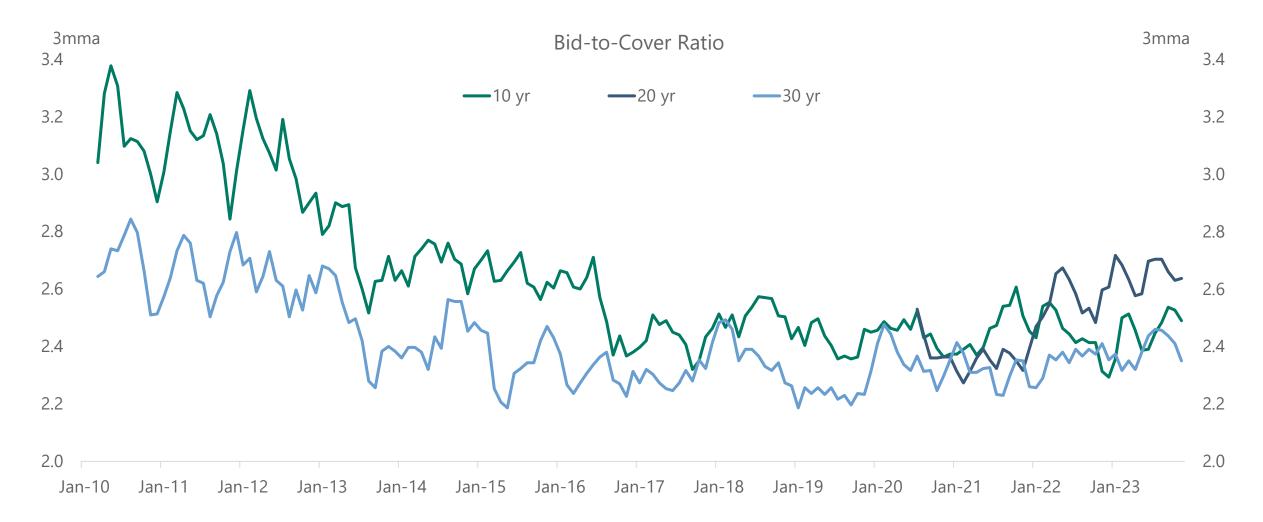
Auction sizes growing



Downside risks to bid-to-cover ratios in 2024



Downside risks to bid-to-cover ratios in 2024



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Conclusion

Growing debt levels: What to watch?

- 1. Treasury auctions
- 2. Ratings agencies
- 3. The term premium

Term premium is key



US government debt vs 10-year rates





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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. 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.