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Outlook for private markets

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Apollo Global Management

March 2024

Unless otherwise noted, information as of March 2024.

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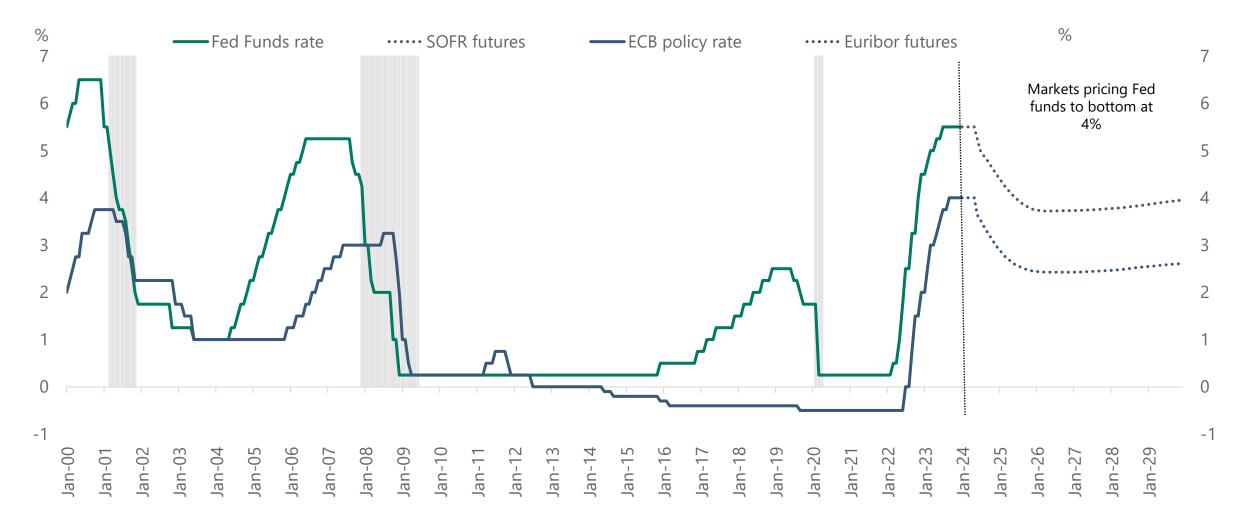
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Interest rates will remain permanently higher



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Overview

Comparing public and private markets

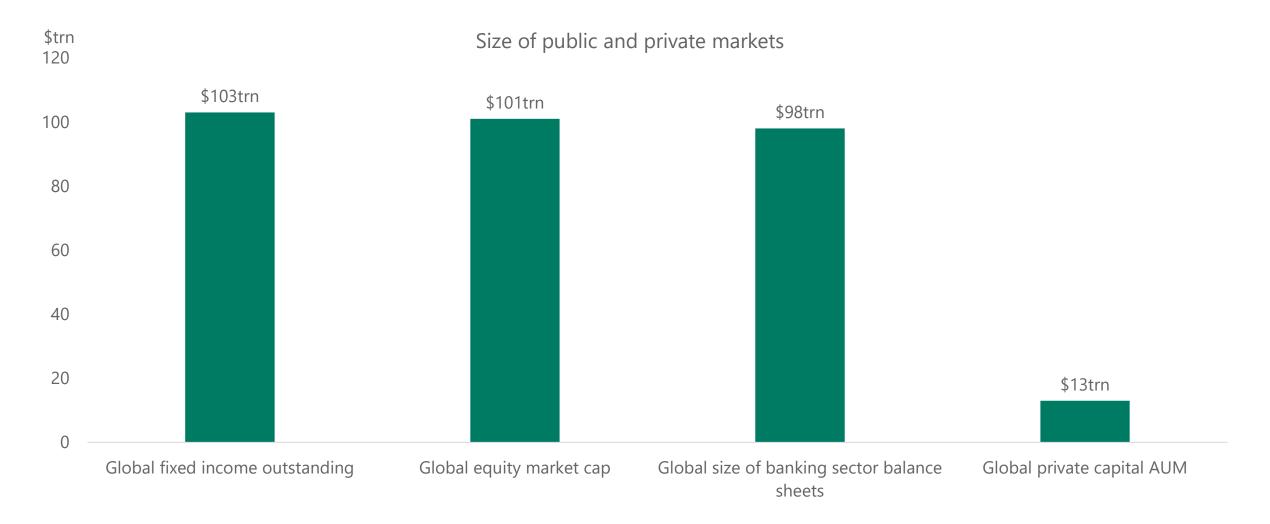
- Global private capital AUM: \$13trn (Source: Pitchbook)
- Global fixed income outstanding: \$103trn (Source: SIFMA)
- Global equity market cap: \$101trn (Source: SIFMA)
- Global size of banking sector balance sheets: \$98trn (Source: BIS)

Private capital makes up less than 5% of global financing markets

- Increase in the size of global private markets AUM over the past decade: \$8trn
- Increase in the size of global fixed income markets over the past decade: \$42trn
- Increase in the size of global equity market cap over the past decade: \$35trn
- Increase in the size of global banking sector balance sheets over the past decade: \$34trn

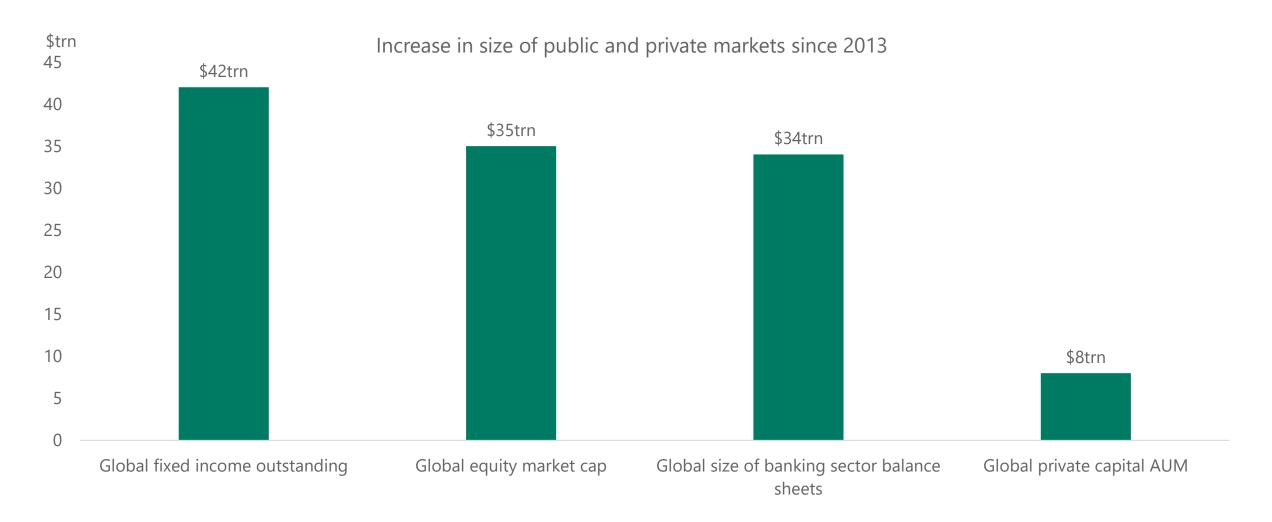
Private capital has over the past decade grown much slower than global financing markets

Comparing public and private markets

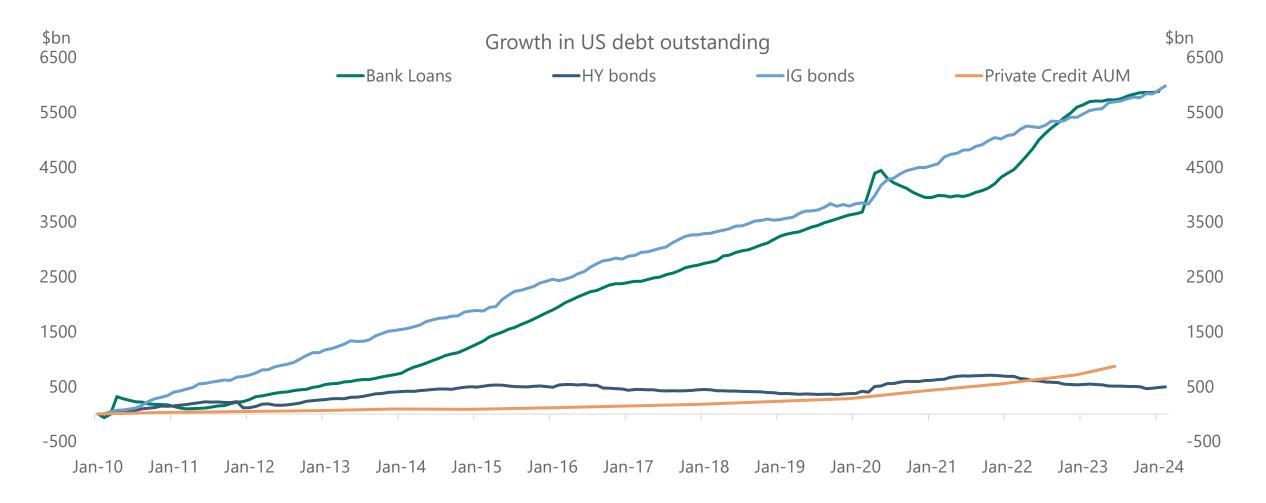


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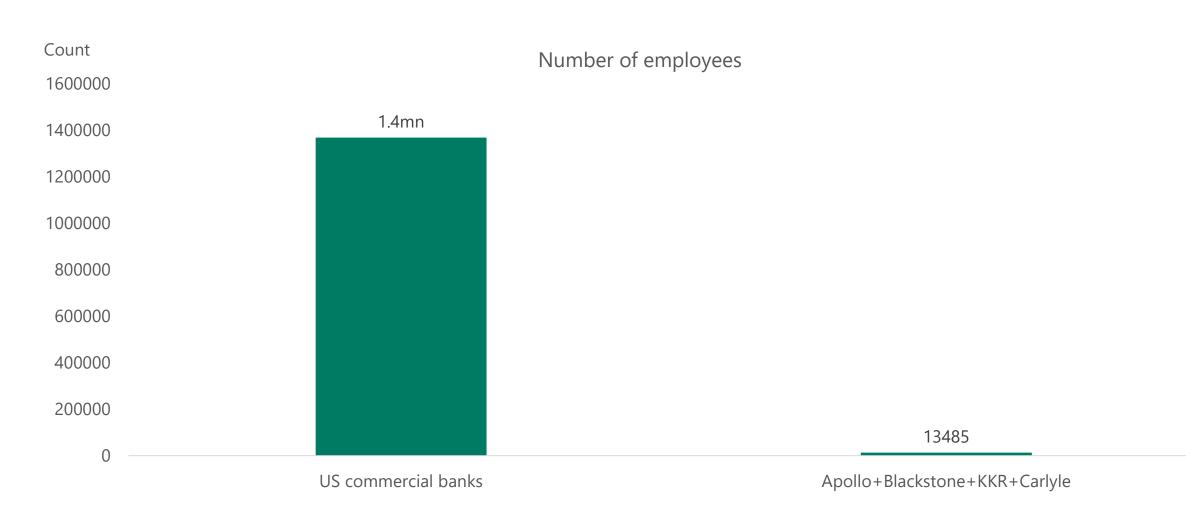
Comparing growth in public and private markets over the past decade



Since 2010, lending by banks has increased by \$5.5trn, IG markets have grown \$5.5trn, HY markets have grown \$500bn, and private credit AUM has increased by \$800bn.



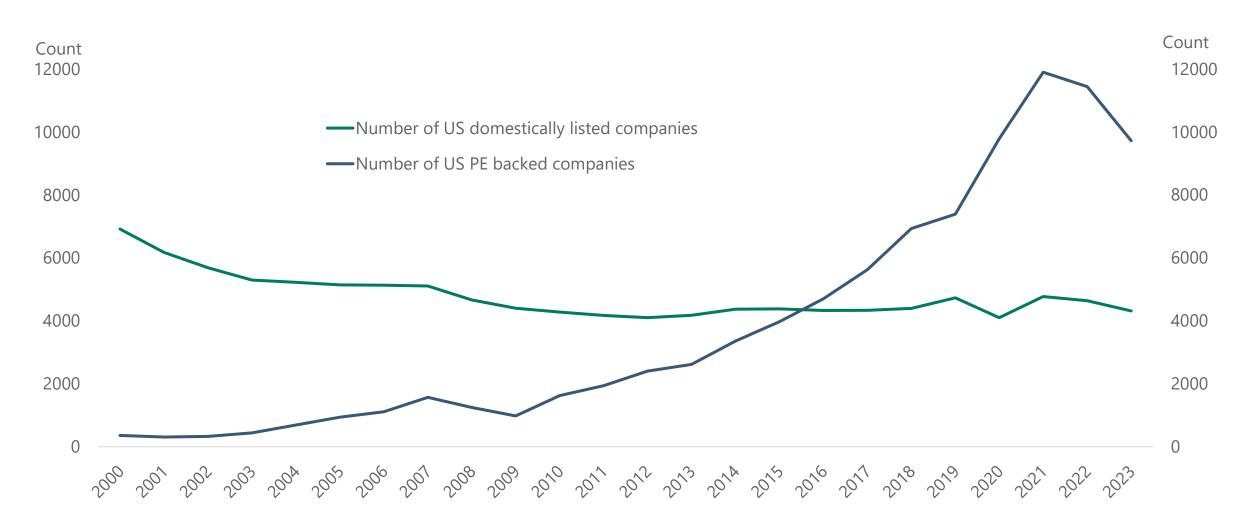
Total employment in US commercial banks: 1.4mn



Percentage of private capital funds raised by the 10 largest managers



The number of PE-backed companies and the number of publicly-listed companies



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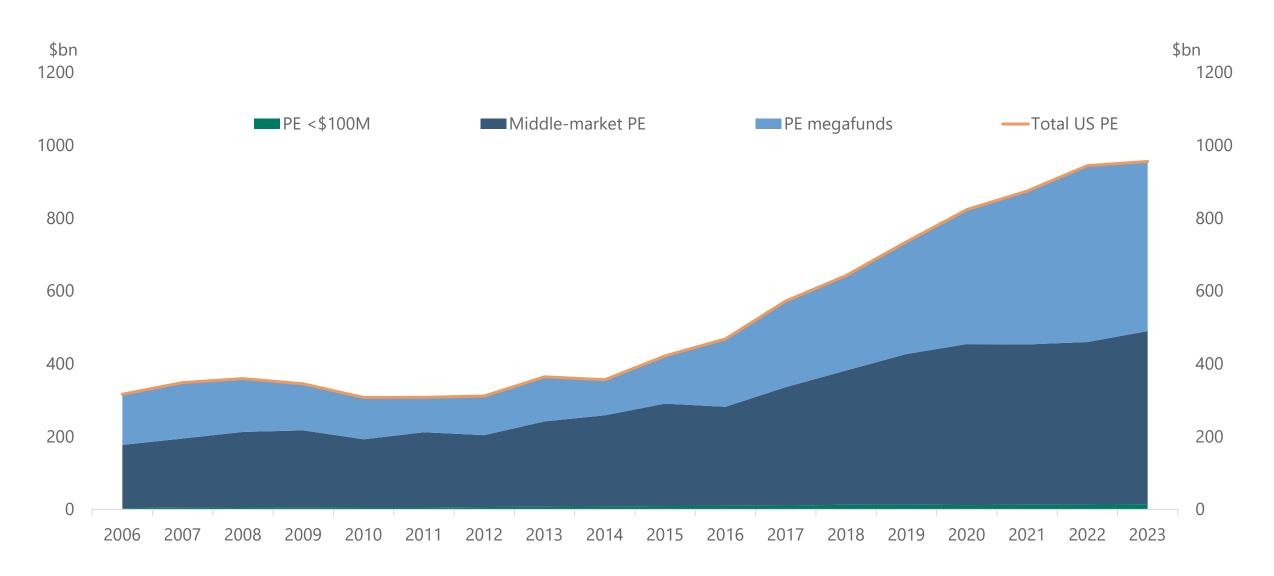
Private equity

Private equity as a percentage of the equity market

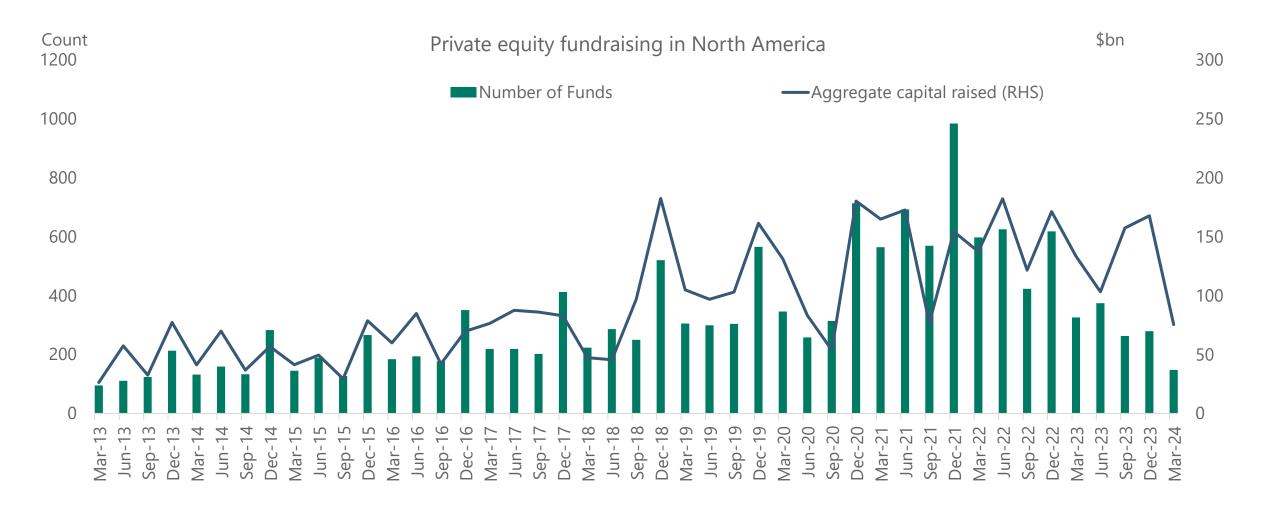


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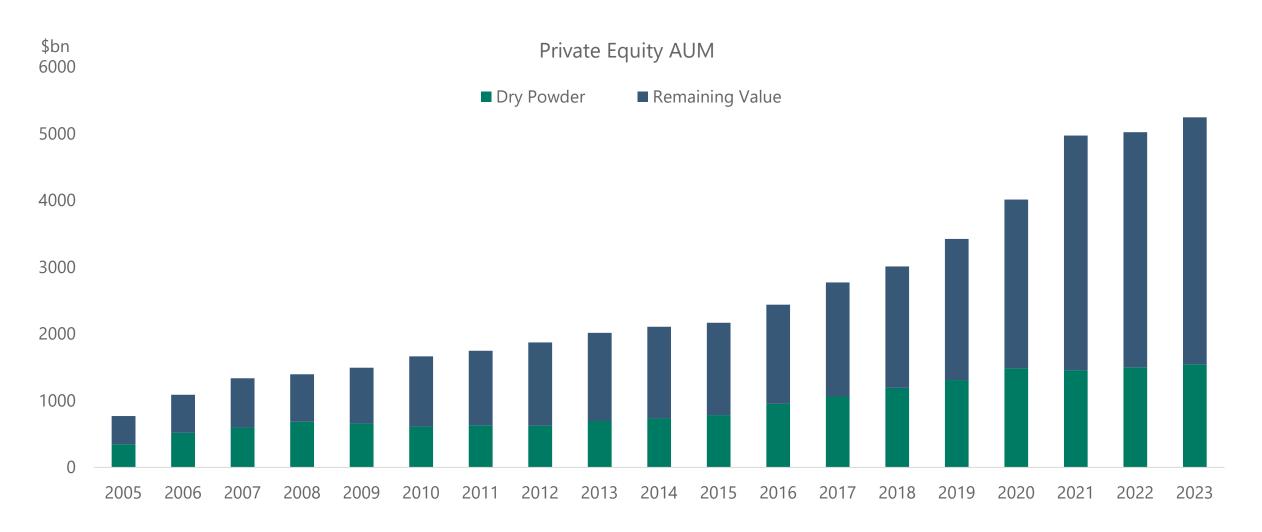
The composition of PE dry powder



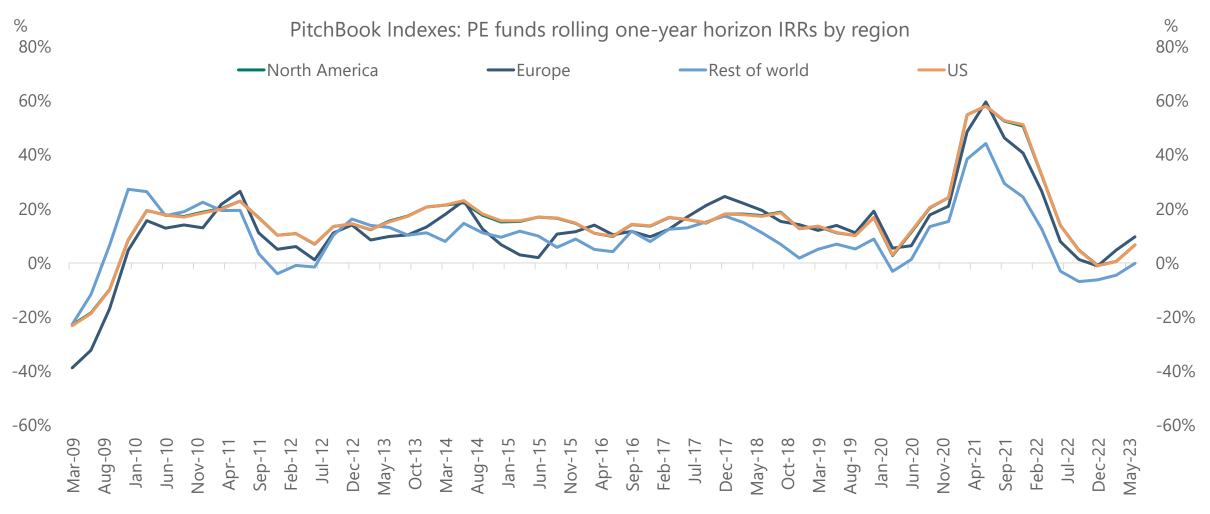
Private equity fundraising trending lower after the Fed started raising rates in 2022Q1



Global private equity AUM is around \$5trn

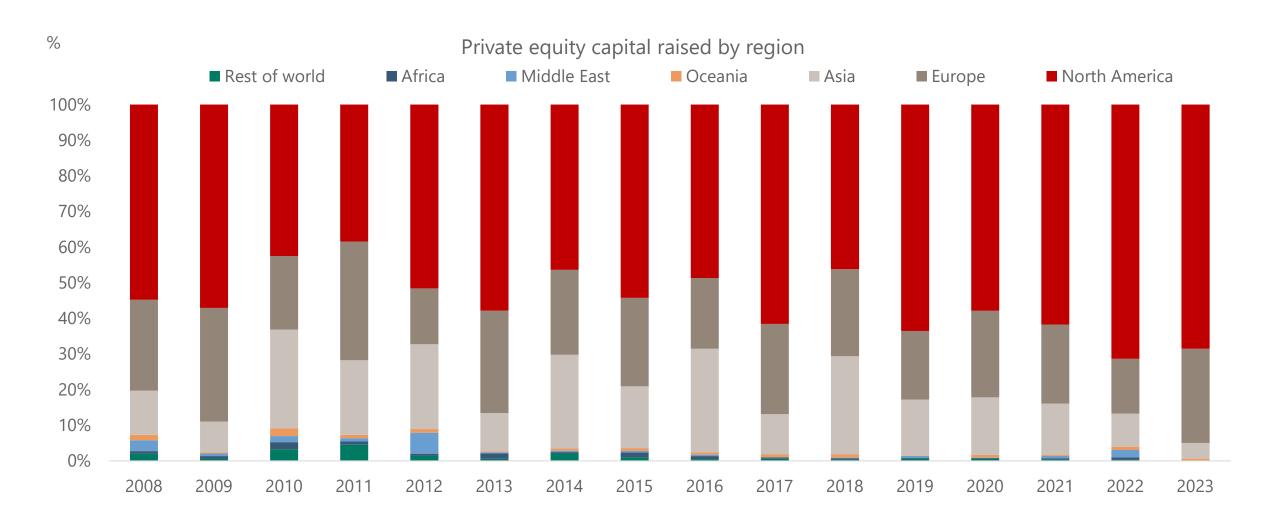


Private Equity returns, by region



18

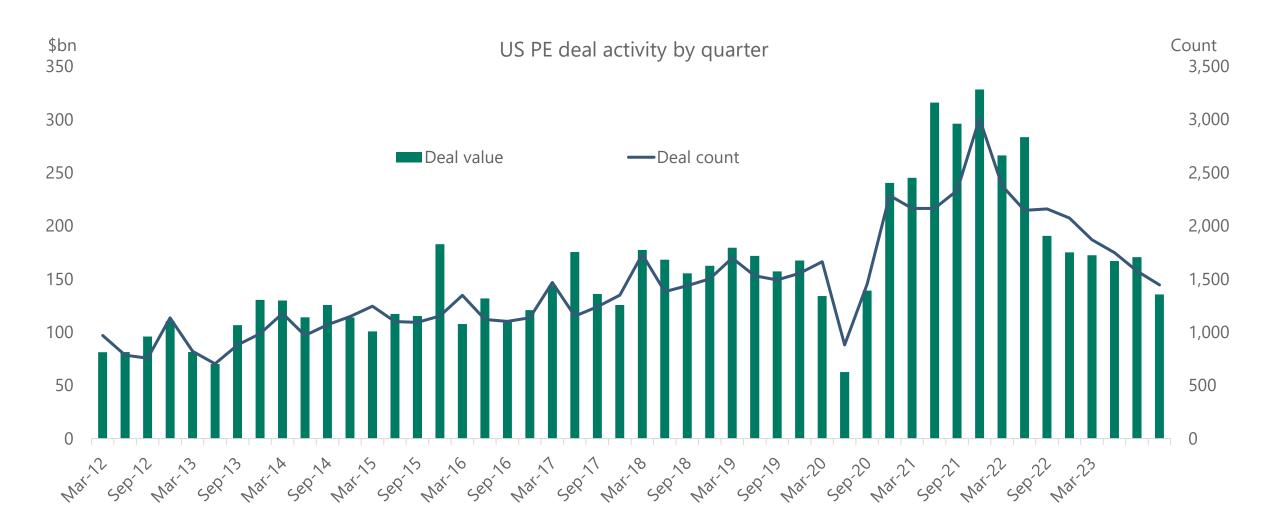
70% of global private equity capital is raised in North America



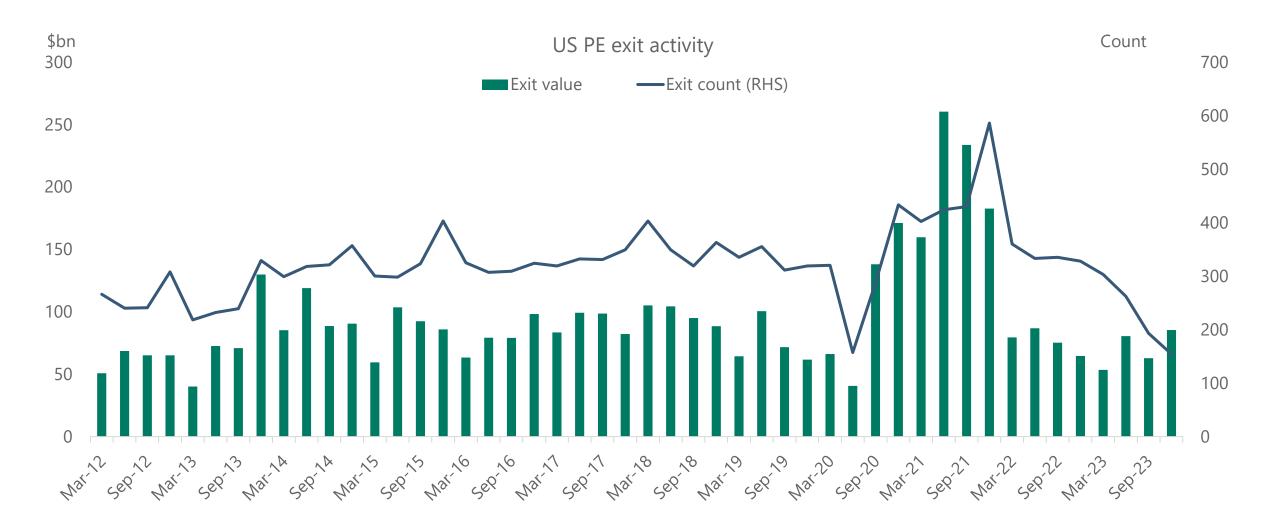
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Recent PE deal activity

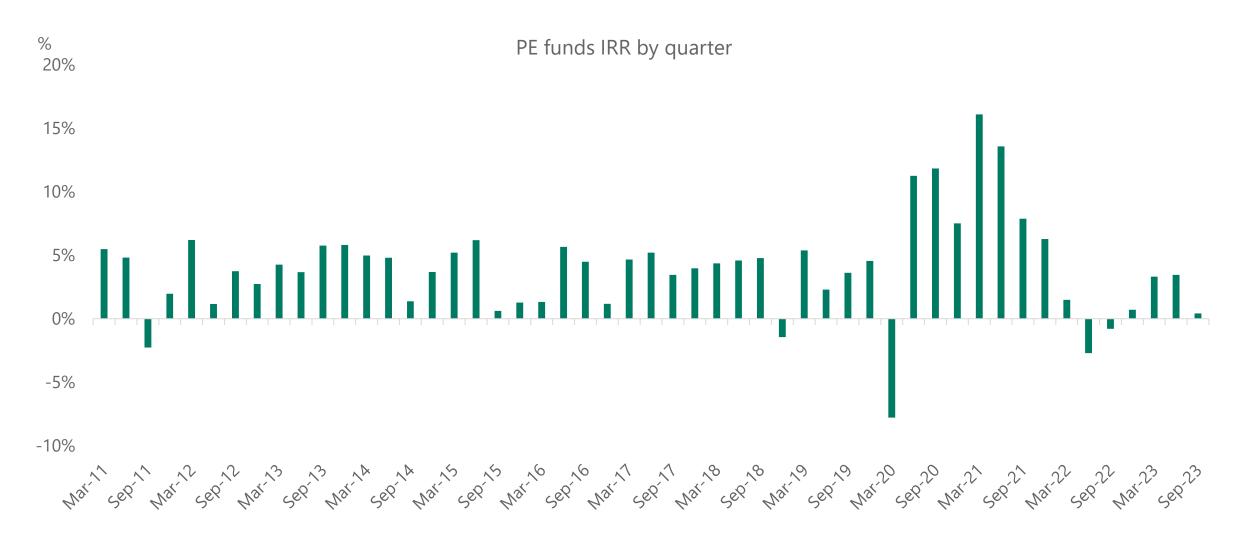
US PE deal activity



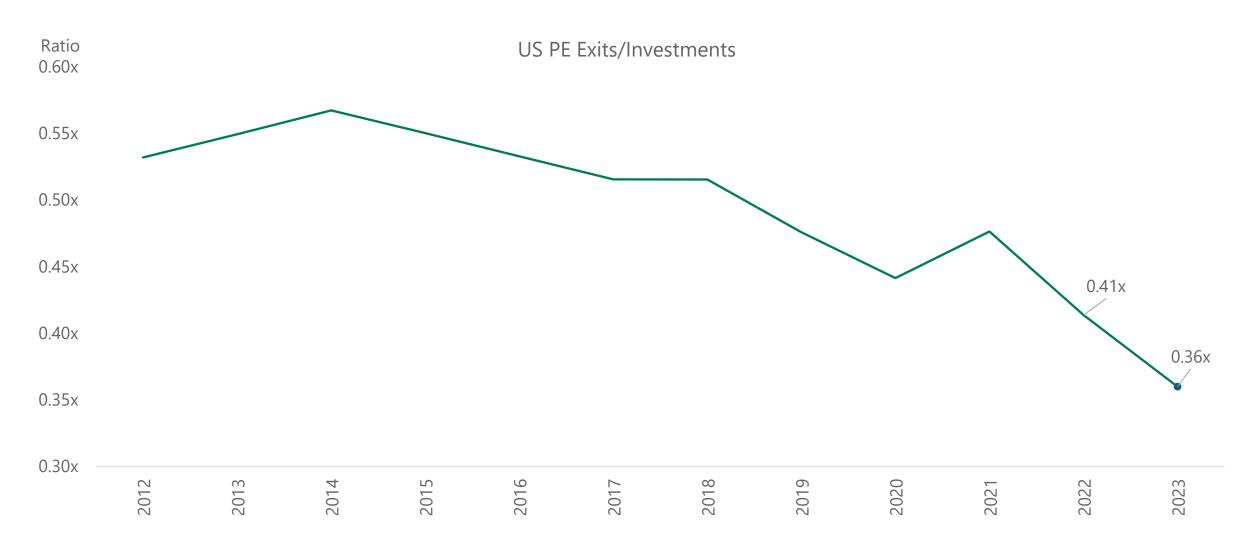
PE exit activity falling after the Fed raised rates in 2022Q1



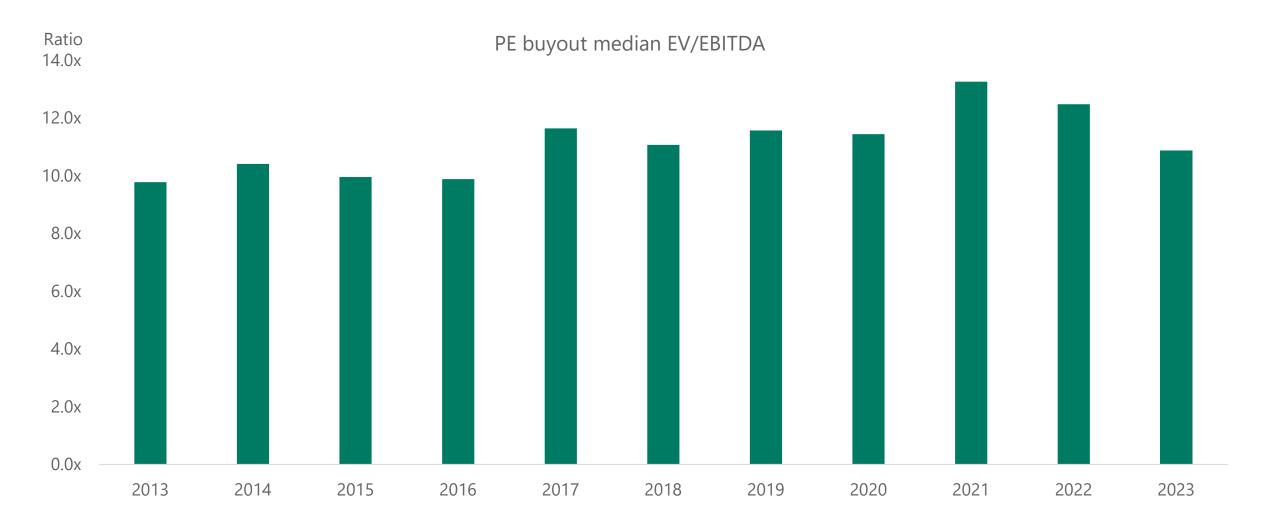
PE funds IRR



The exits-to-investments-ratio is declining

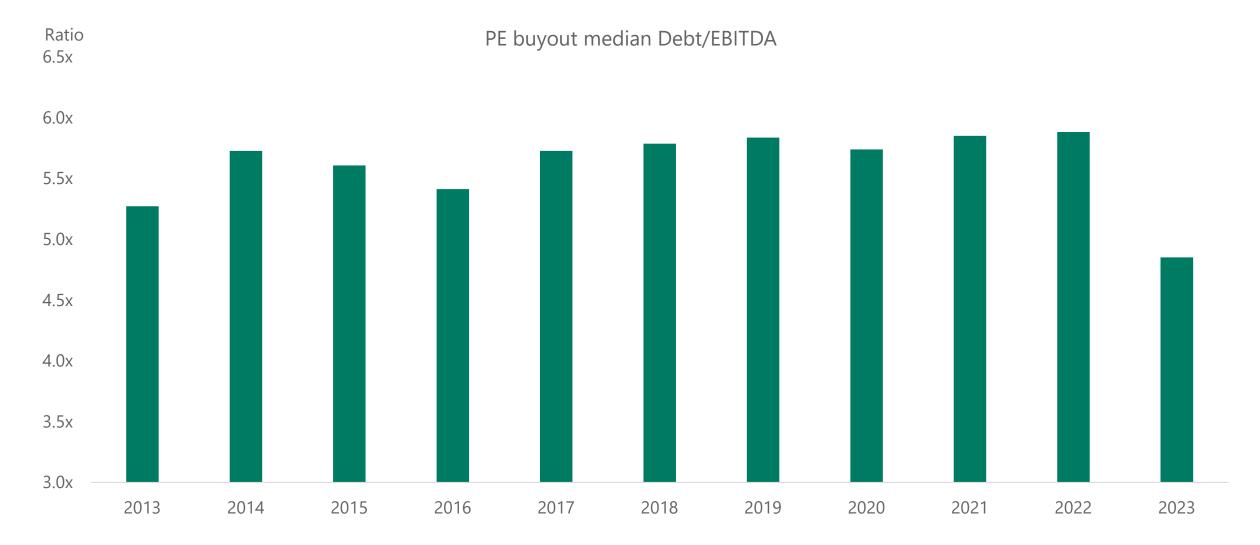


Median EV/EBITDA ratio

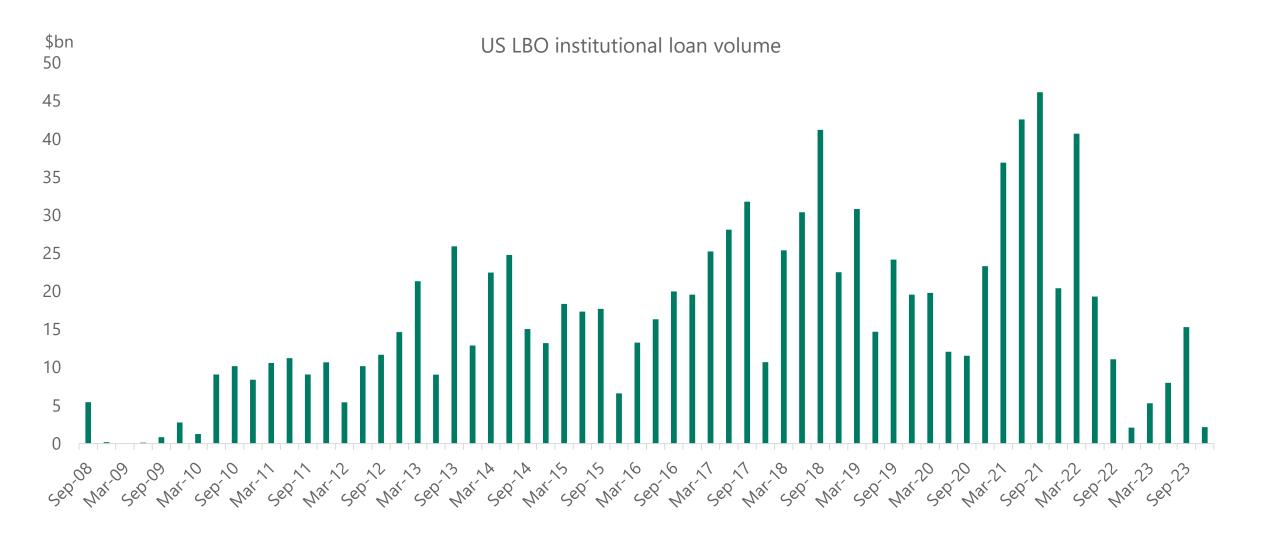


Source: Pitchbook, Apollo Chief Economist. Note: Data as of 31st December 2023

Median Debt/EBITDA declined in 2023



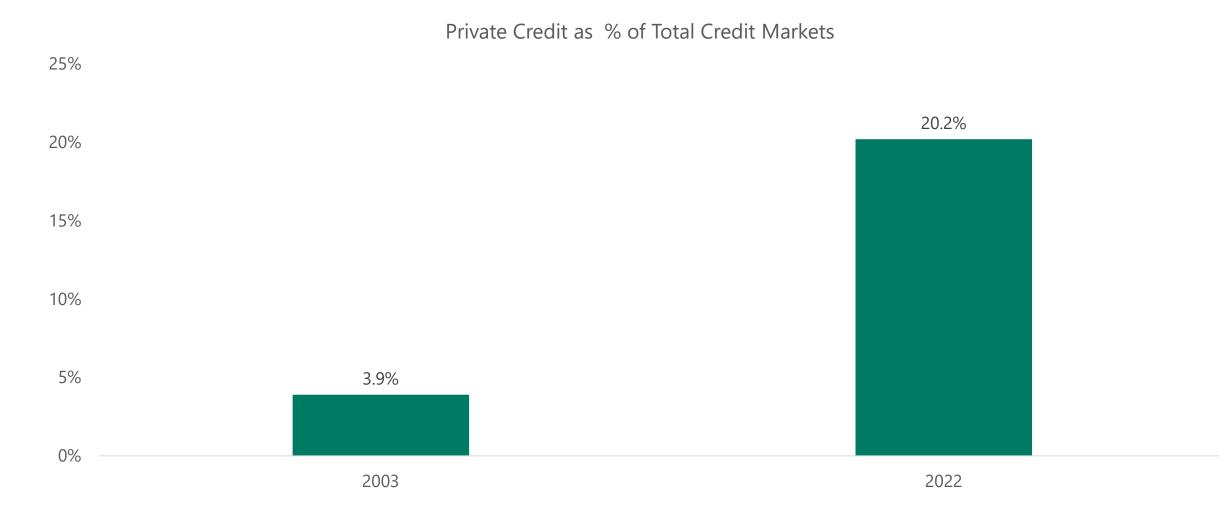
LBO loan volume



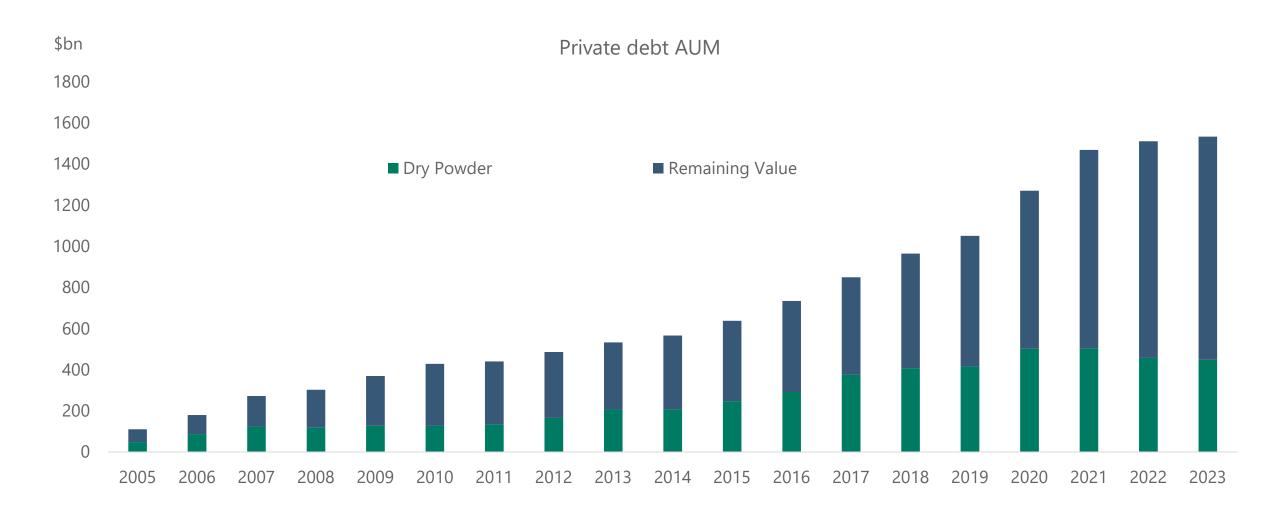
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Private credit

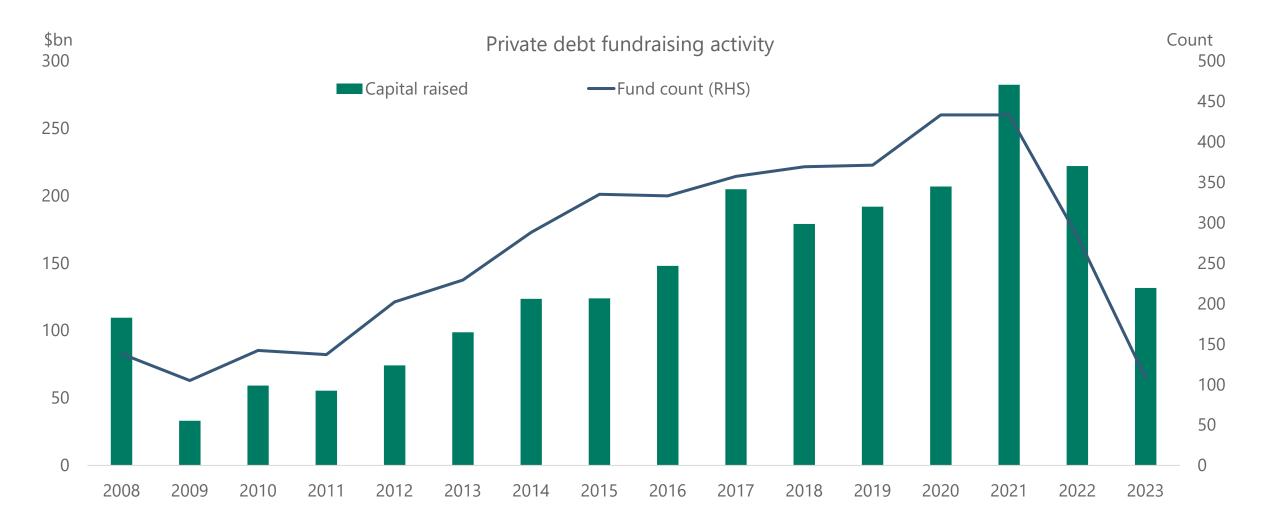
Private credit as a percentage of credit markets



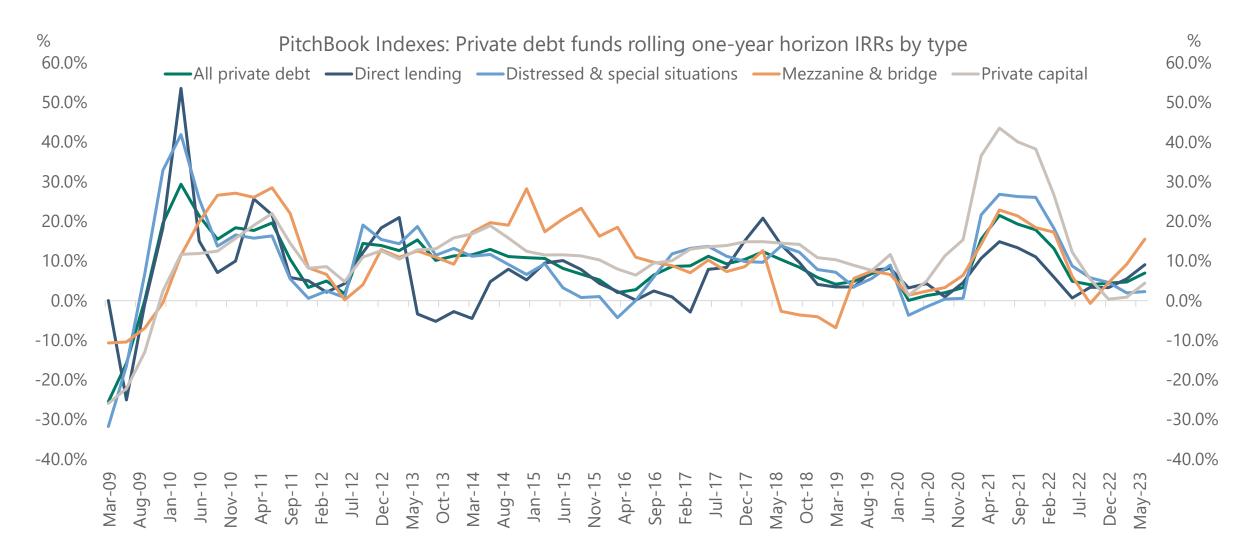
About \$1.5trn in private credit globally, of which \$400bn is dry powder



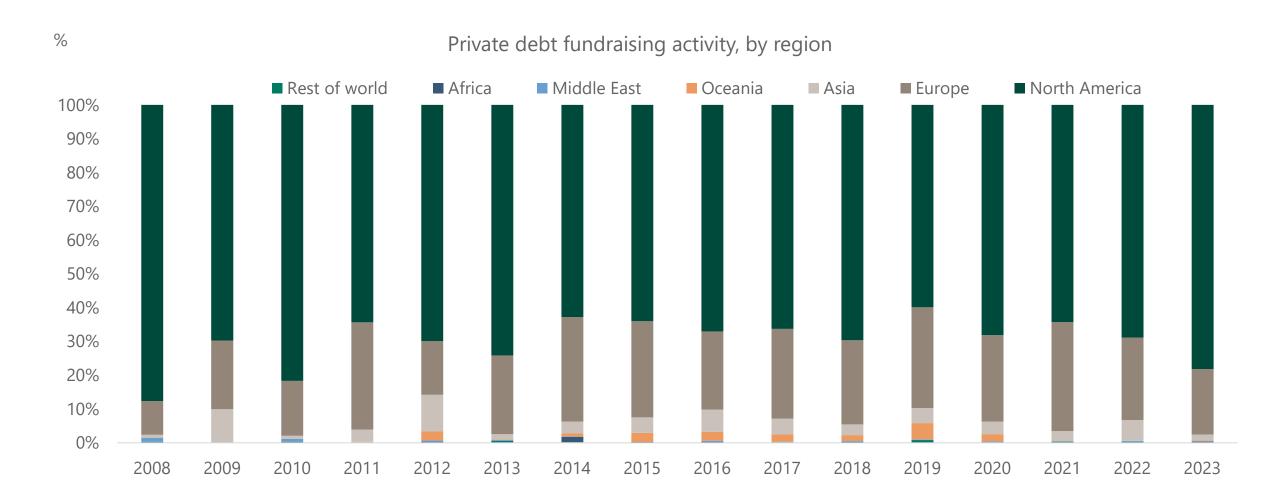
Private debt fundraising



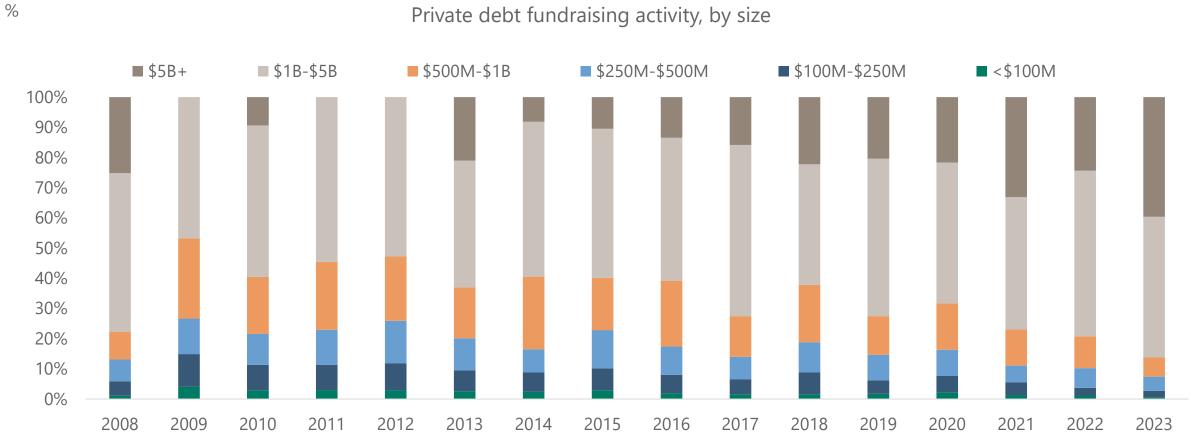
Private debt returns by strategy



Private debt fundraising activity, by region

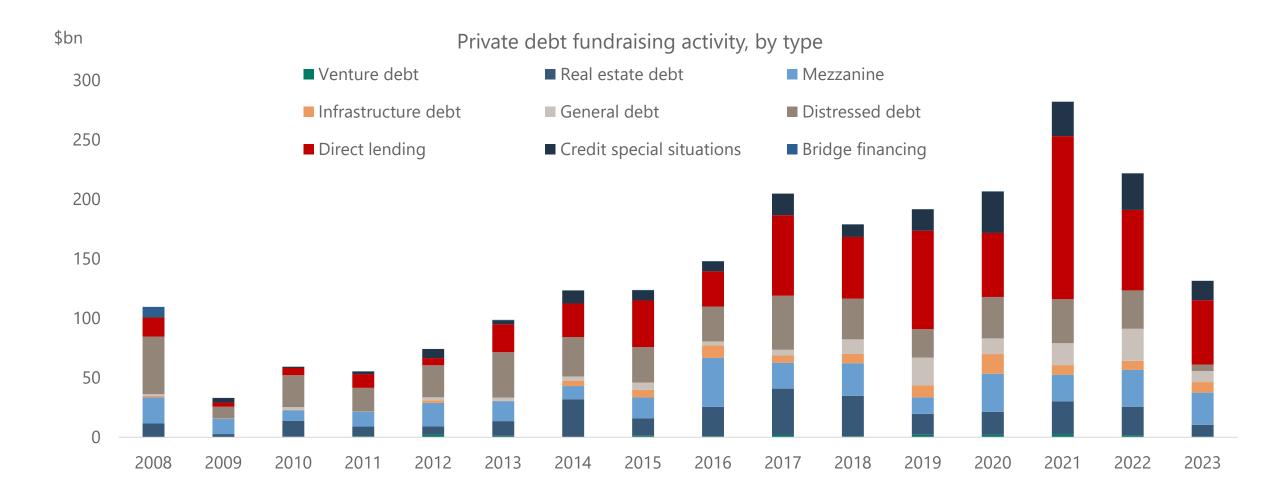


Private debt fundraising activity, by size

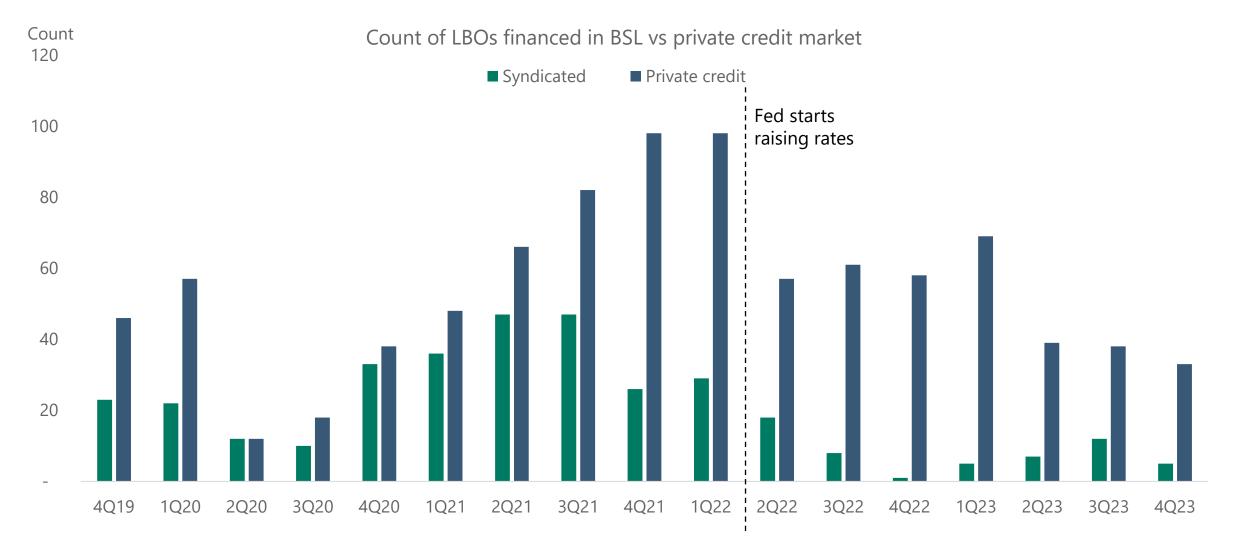


Private debt fundraising activity, by size

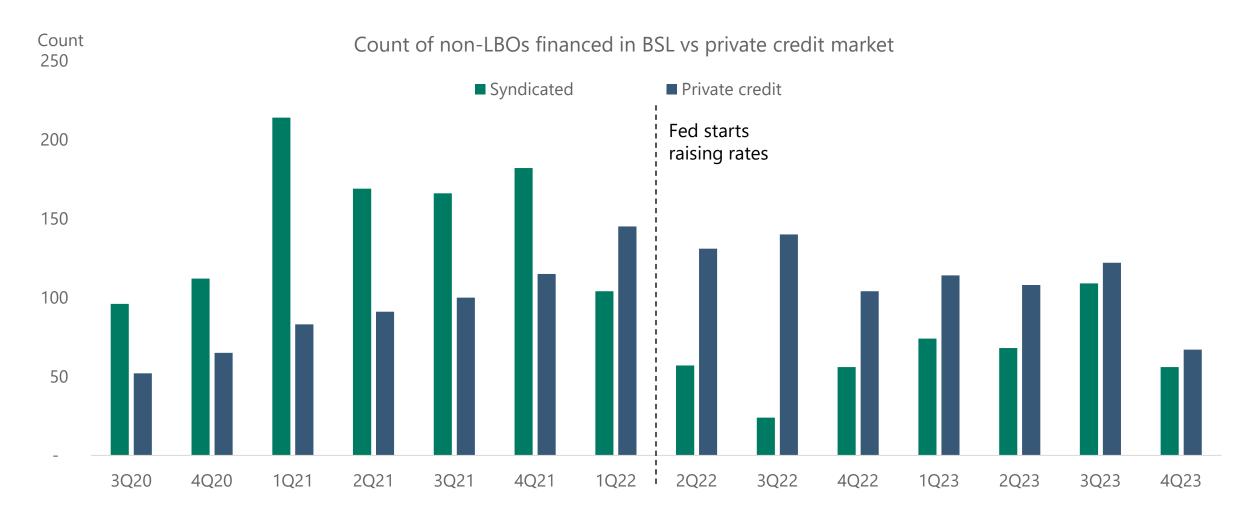
Private debt fundraising activity, by type



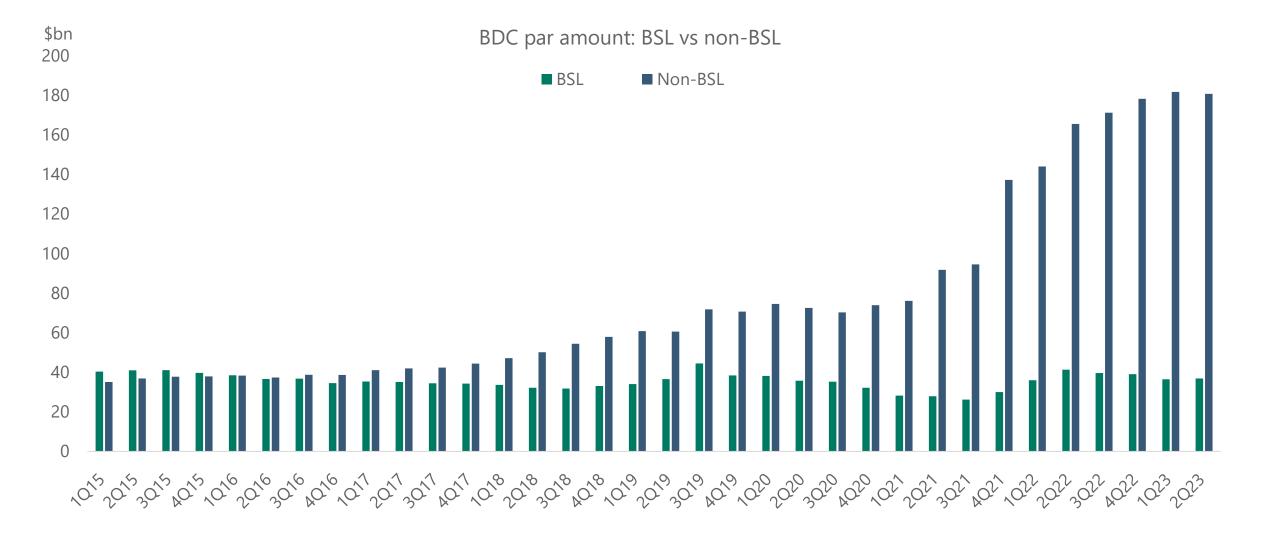
LBO financing



Non-LBO financing

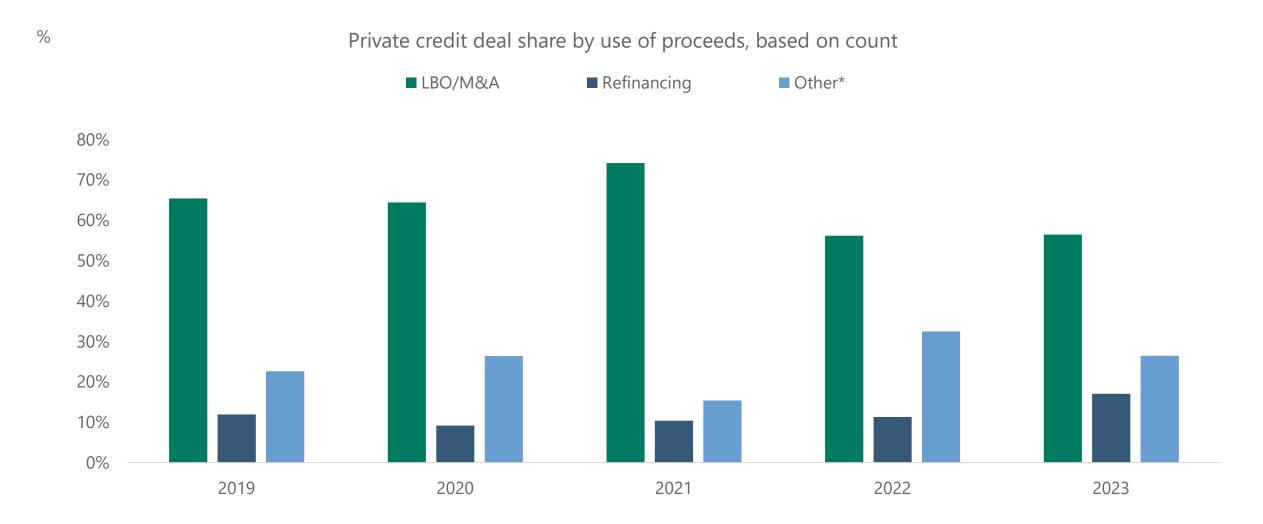


BDC par amount

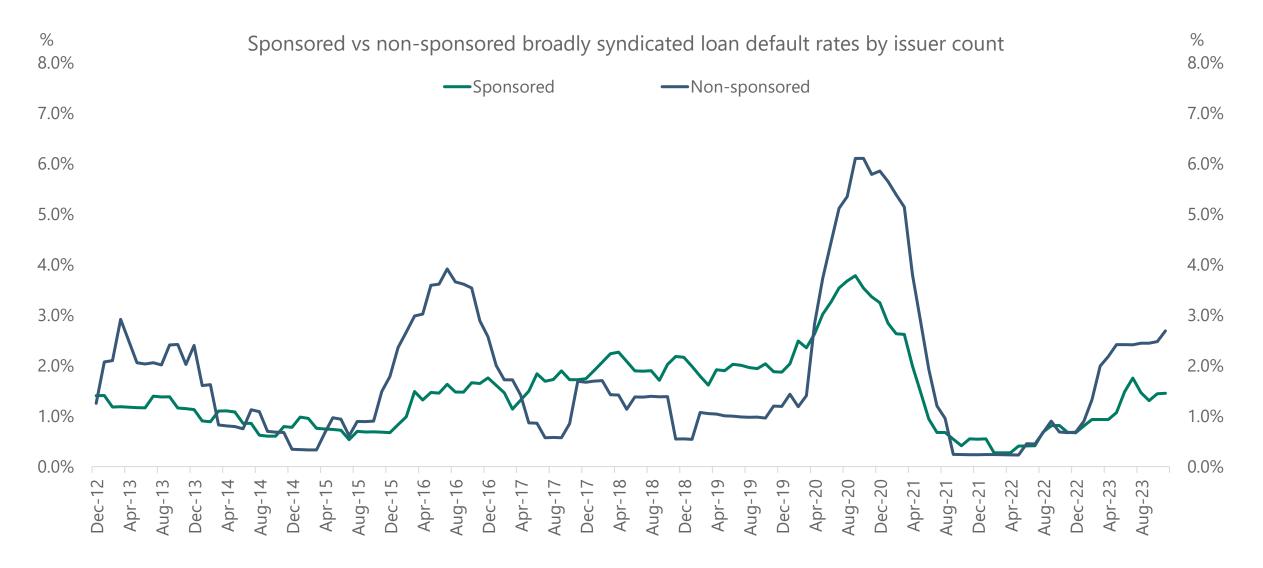


Source: Pitchbook LCD, Apollo Chief Economist.

Private credit by deal share



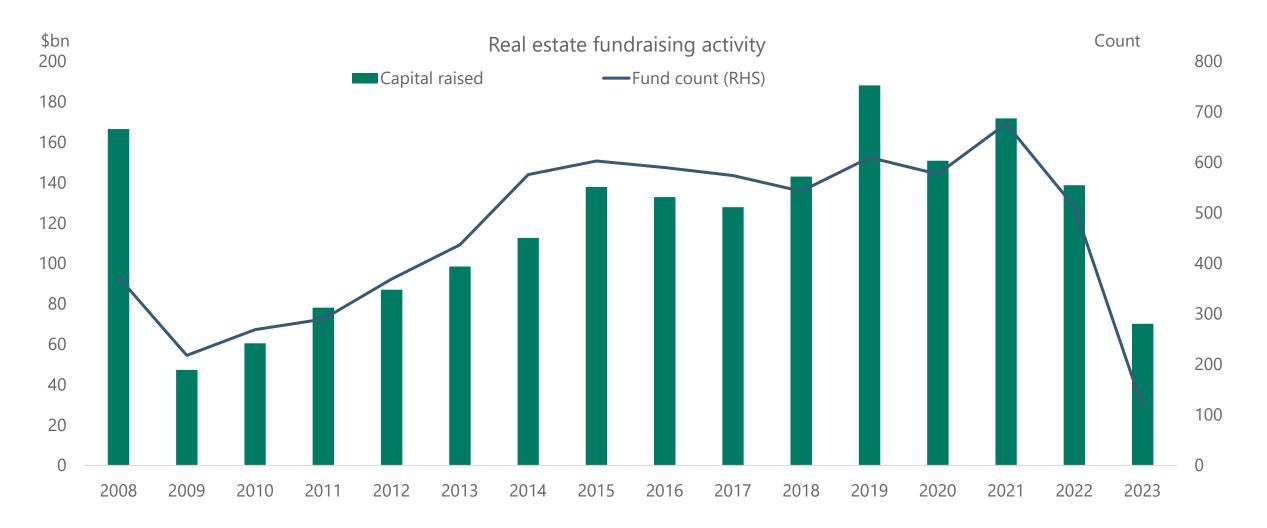
Broadly syndicated loan default rates



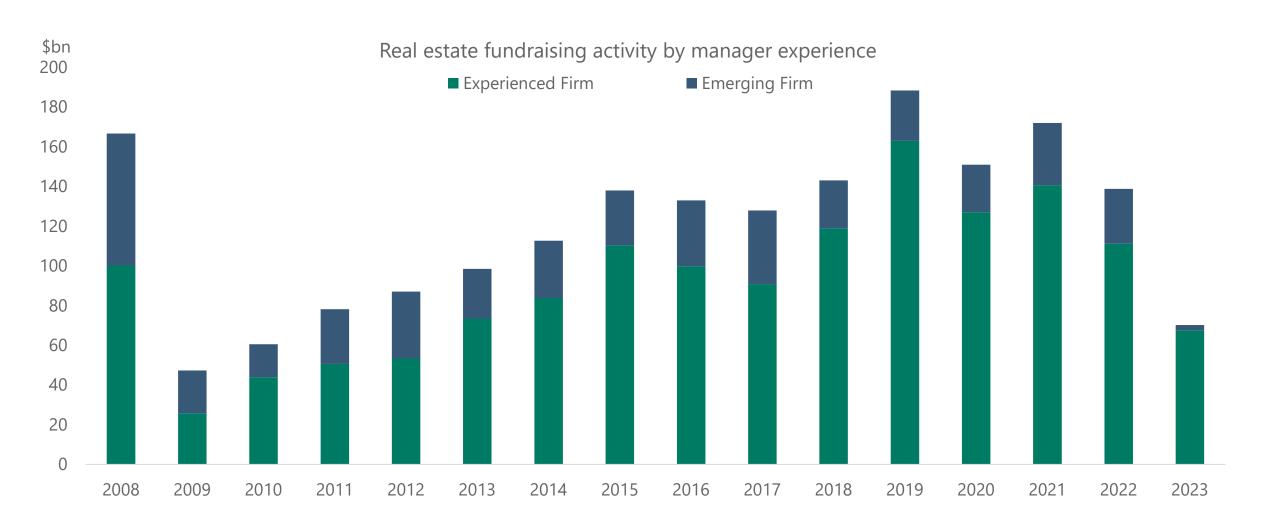
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Real estate

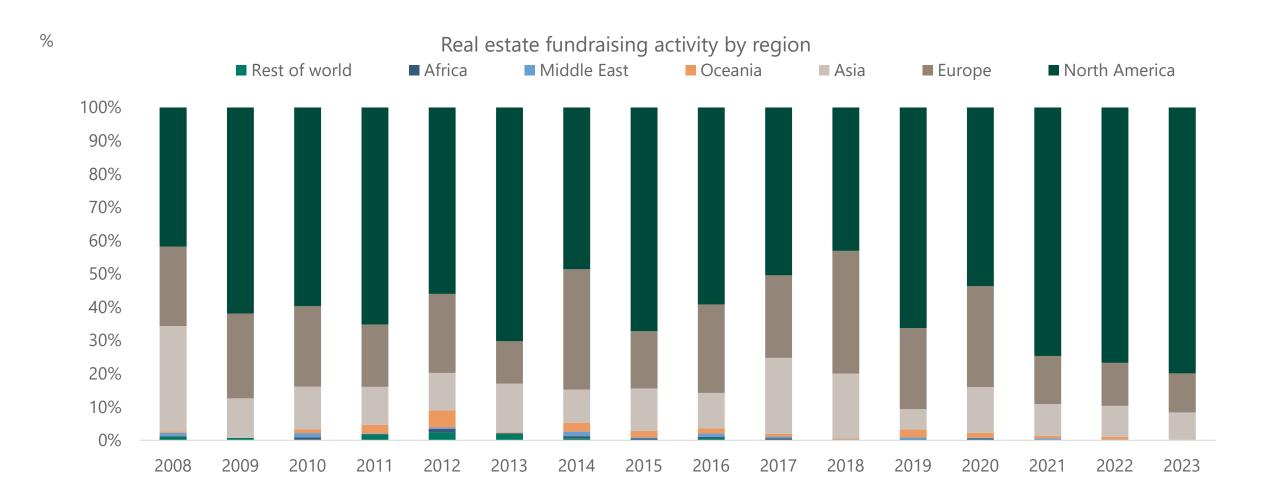
Real estate fundraising activity



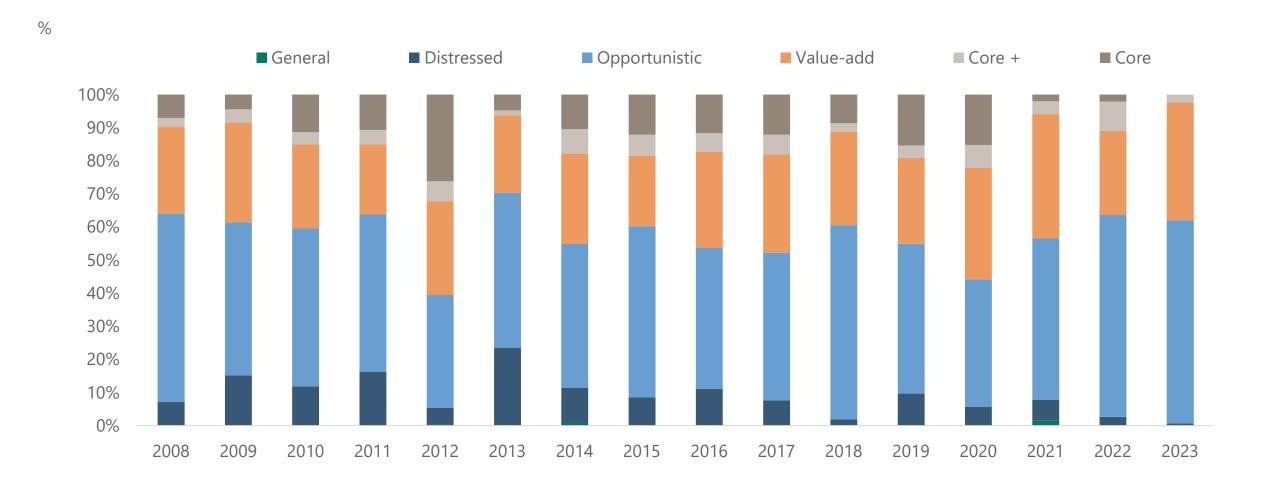
Real estate fundraising led by experienced firms



80% of real estate fundraising is in North America



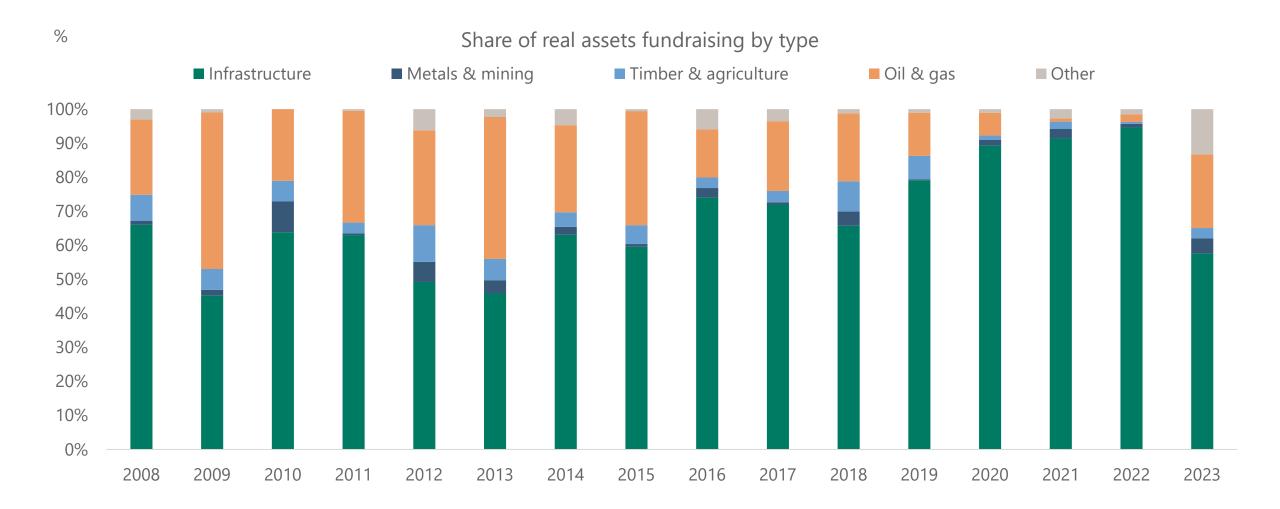
Real estate fundraising activity by type



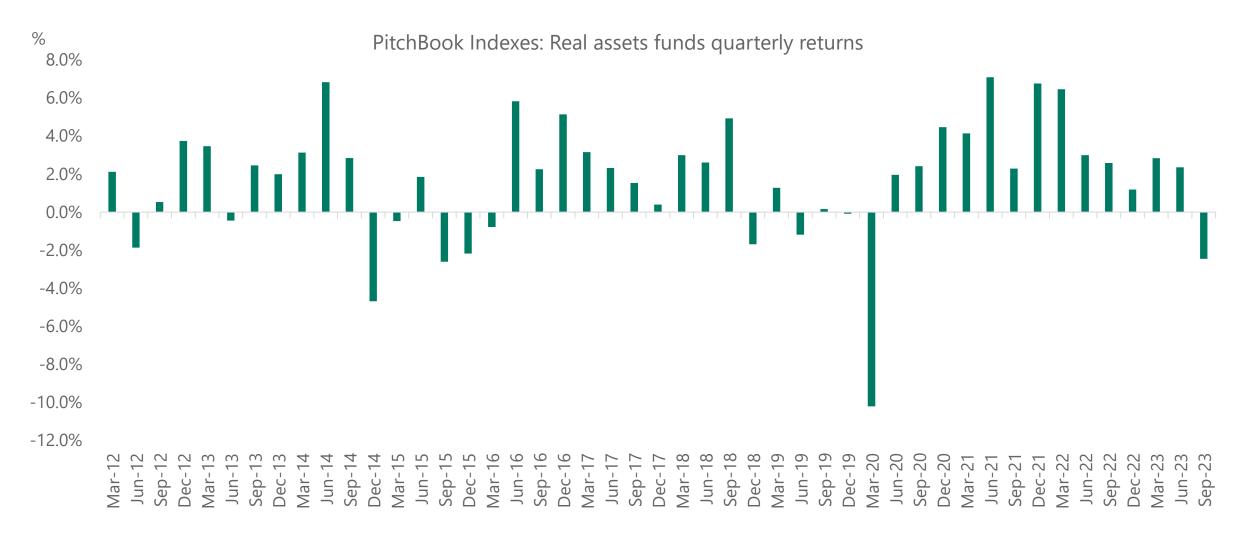
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Real assets

Real assets is mainly infrastructure



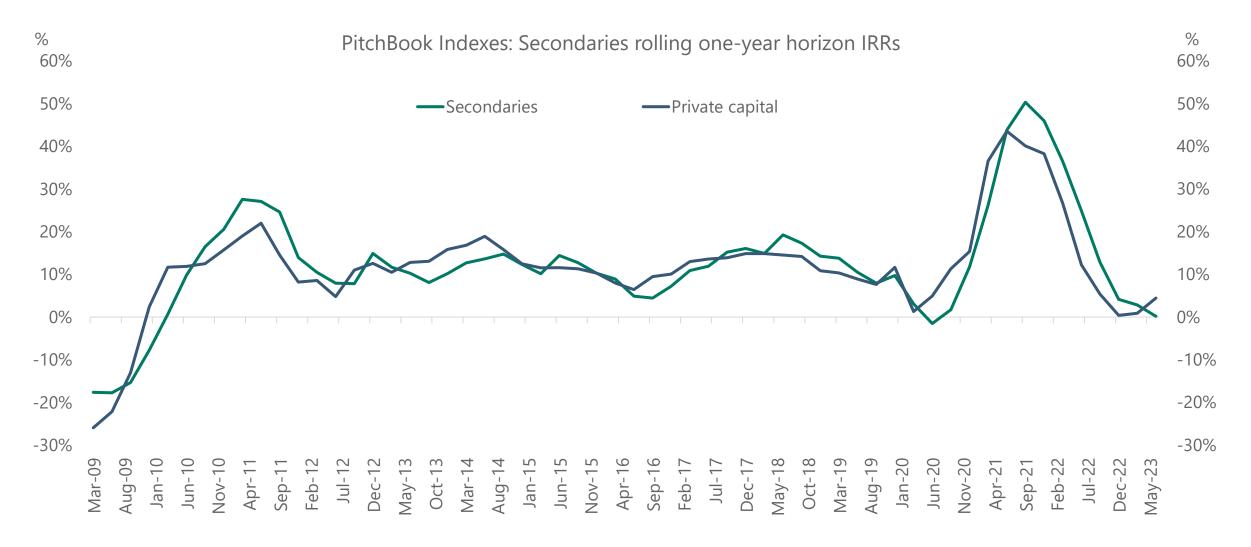
Real assets performance



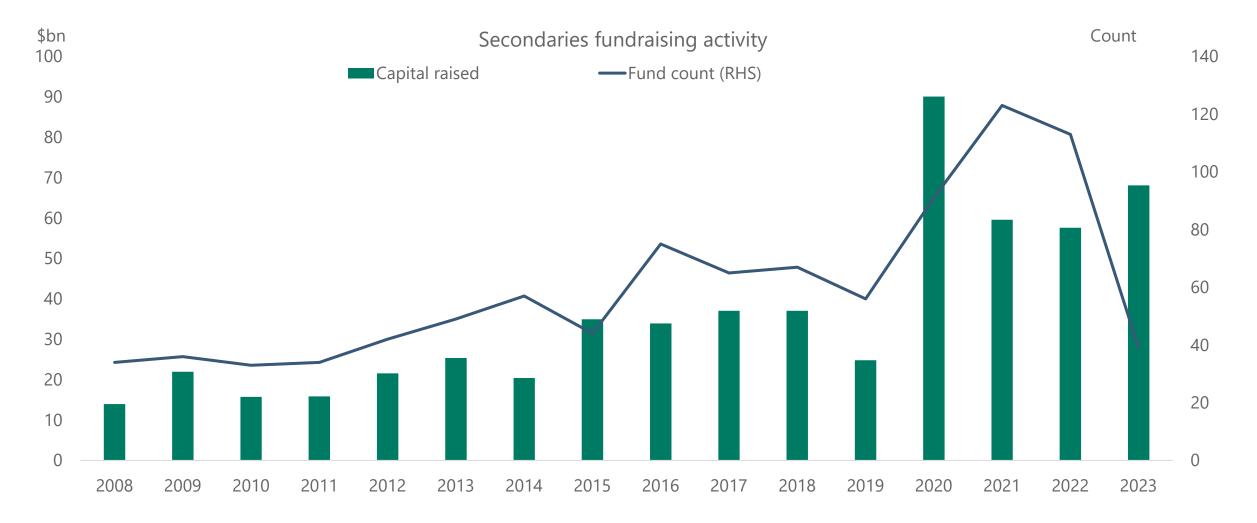
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Secondaries

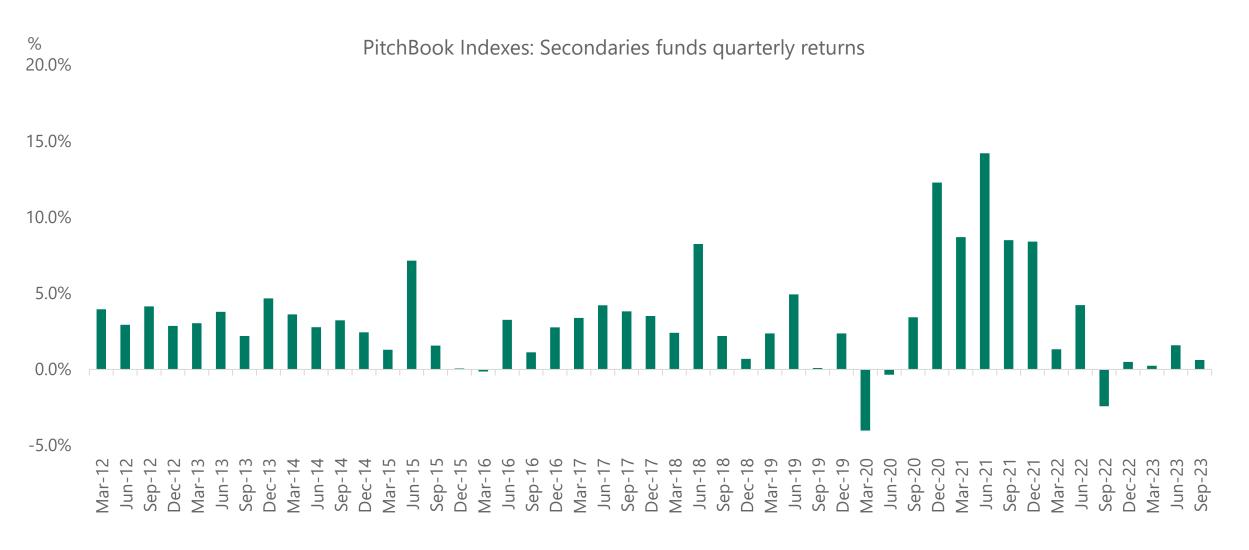
Secondaries performance



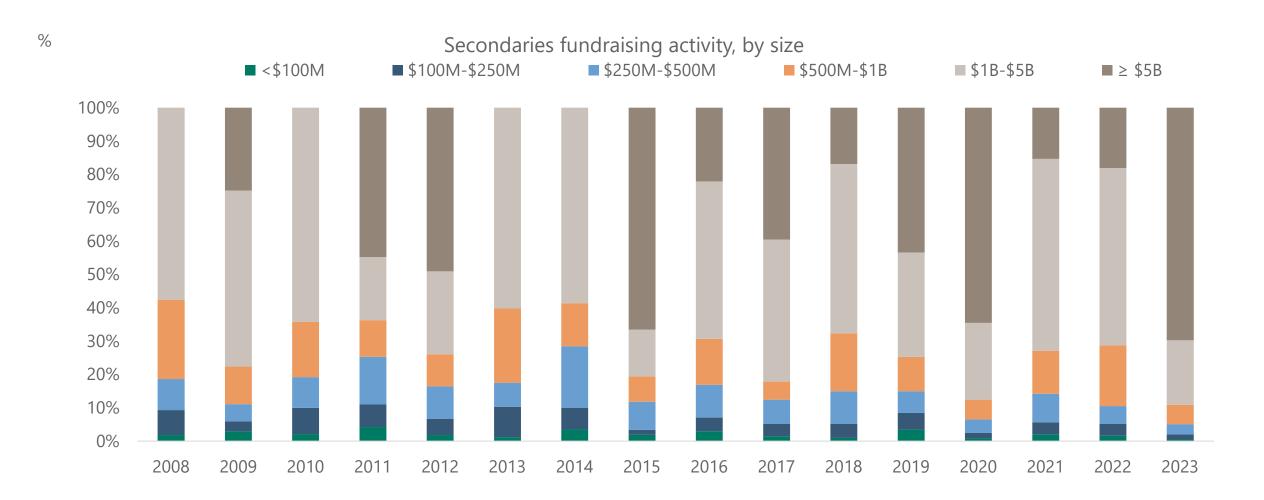
Secondaries fundraising activity



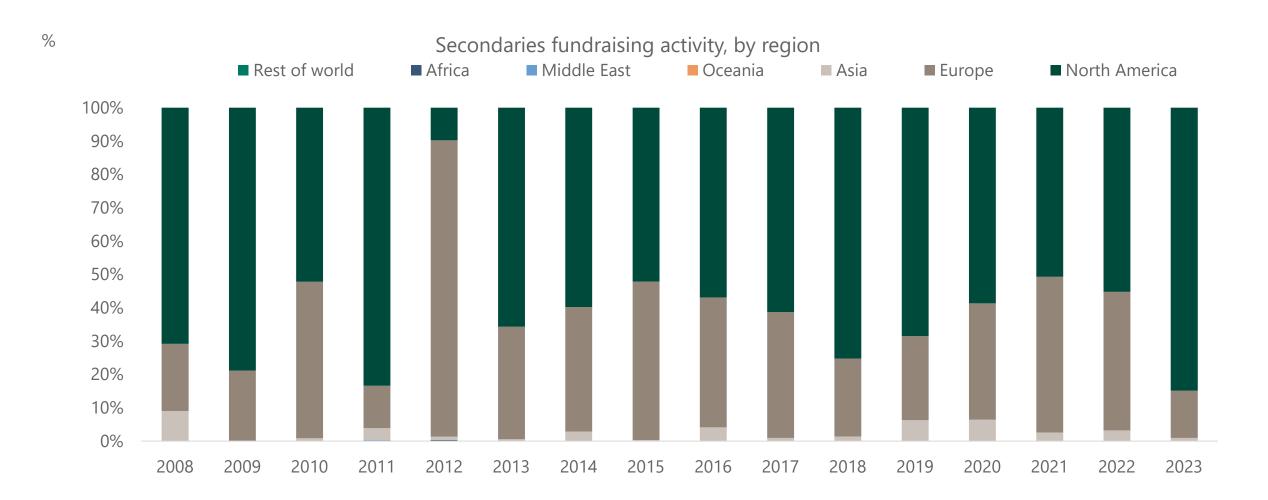
Secondaries quarterly returns



Secondaries fundraising activity, by size



Secondaries fundraising activity, by region

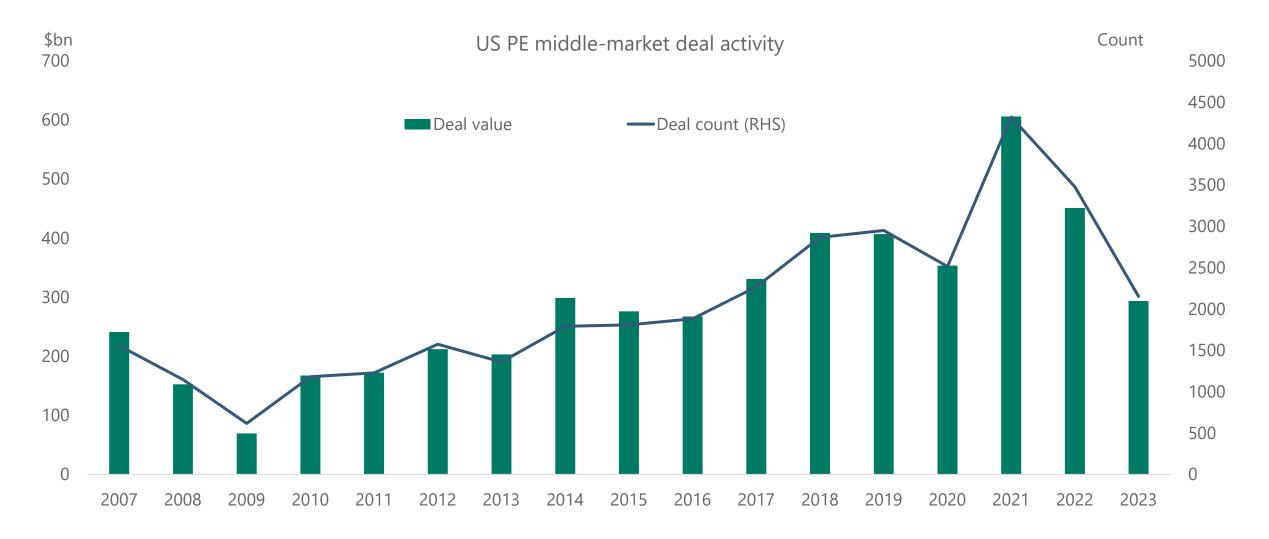


Source: Pitchbook, Apollo Chief Economist. Note: Data as of 30th September 2023

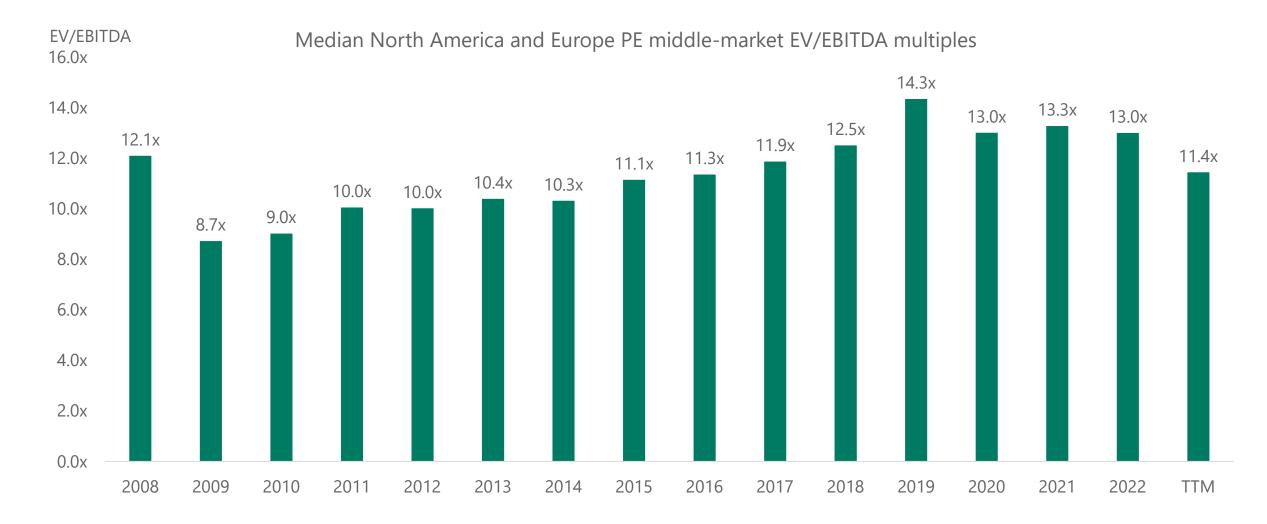
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Middle Market

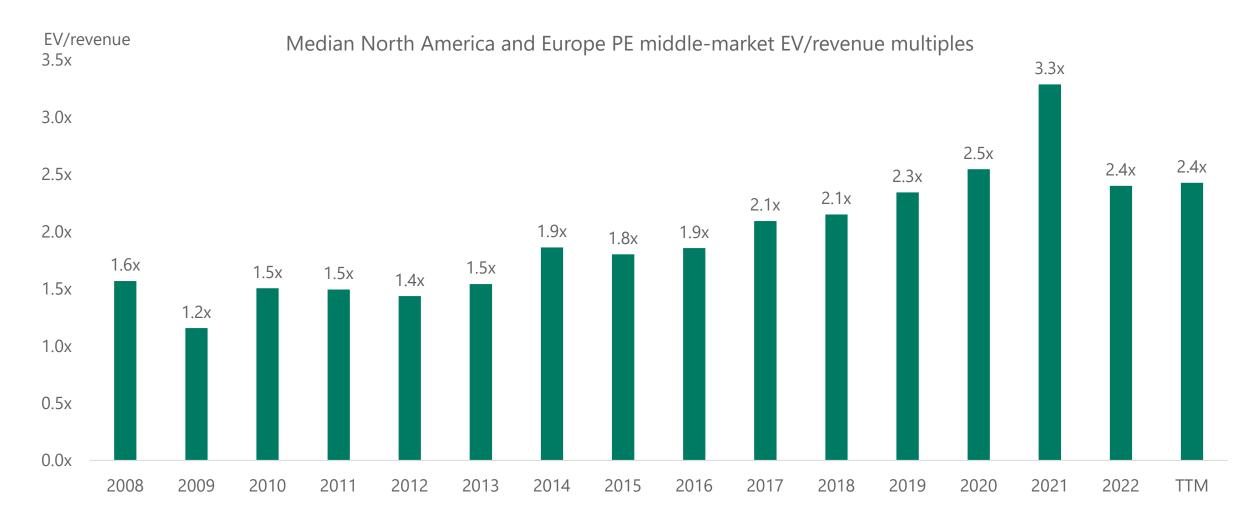
US PE middle market deal activity



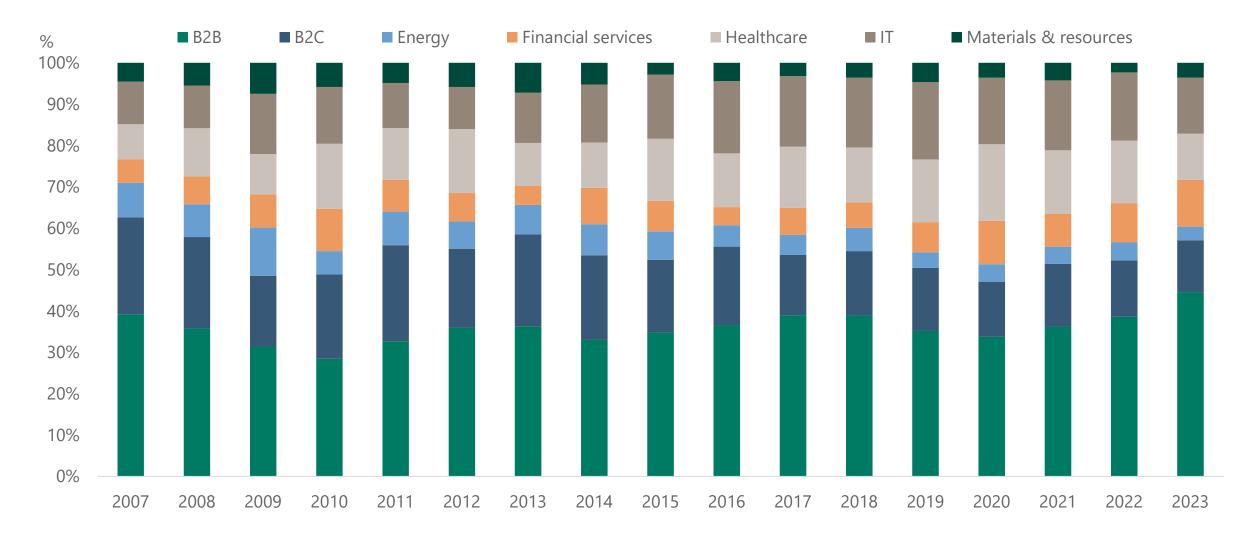
Median North America and Europe PE middle-market EV/EBITDA multiples



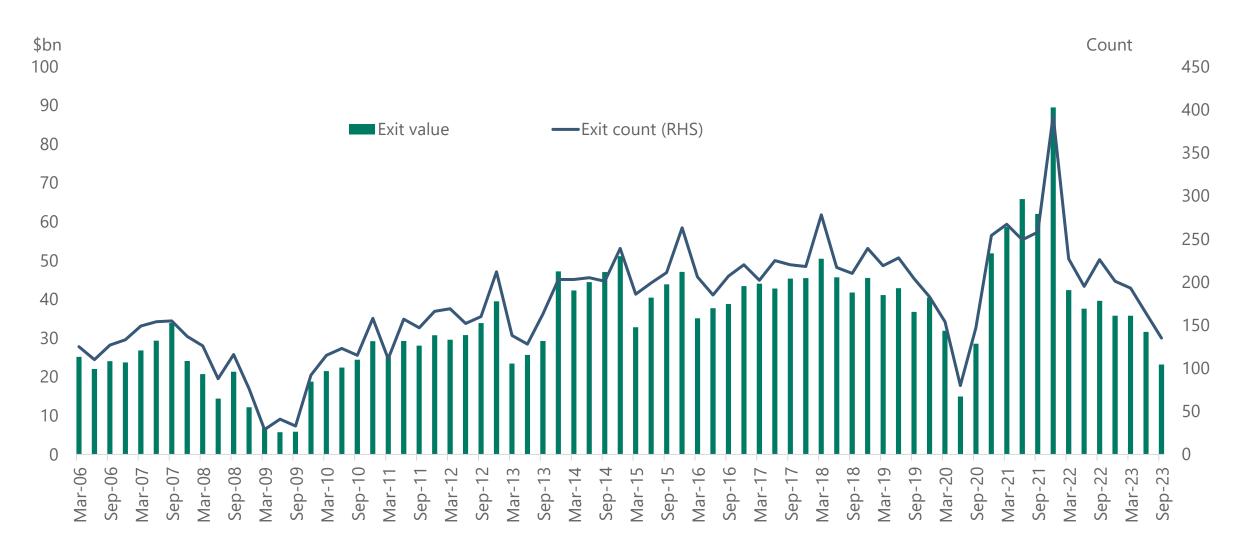
Median North America and Europe PE middle-market EV/revenue multiples



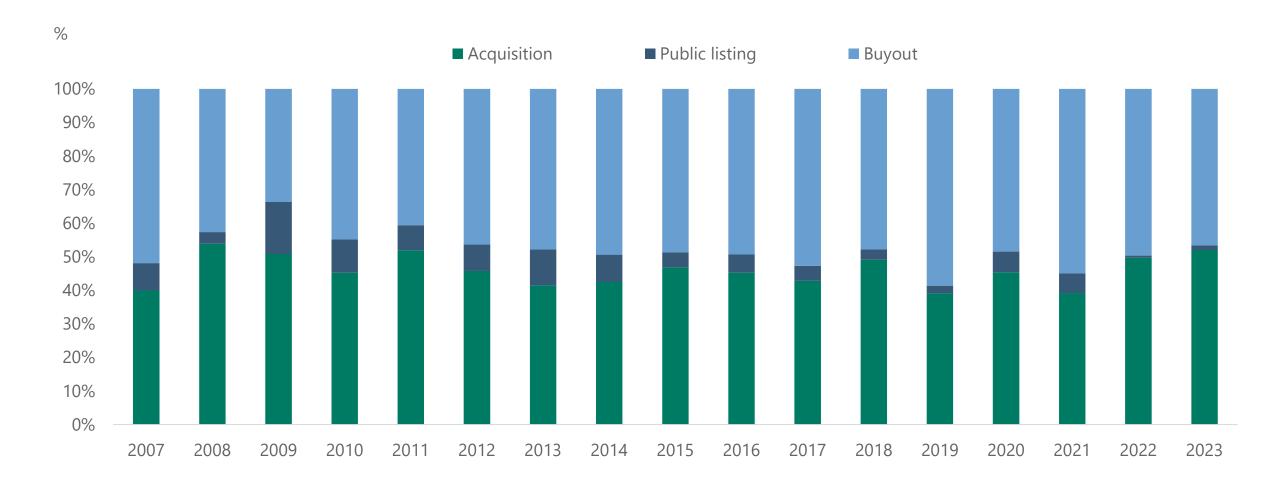
Share of US PE middle-market deal value by sector



US PE middle-market exit activity by quarter



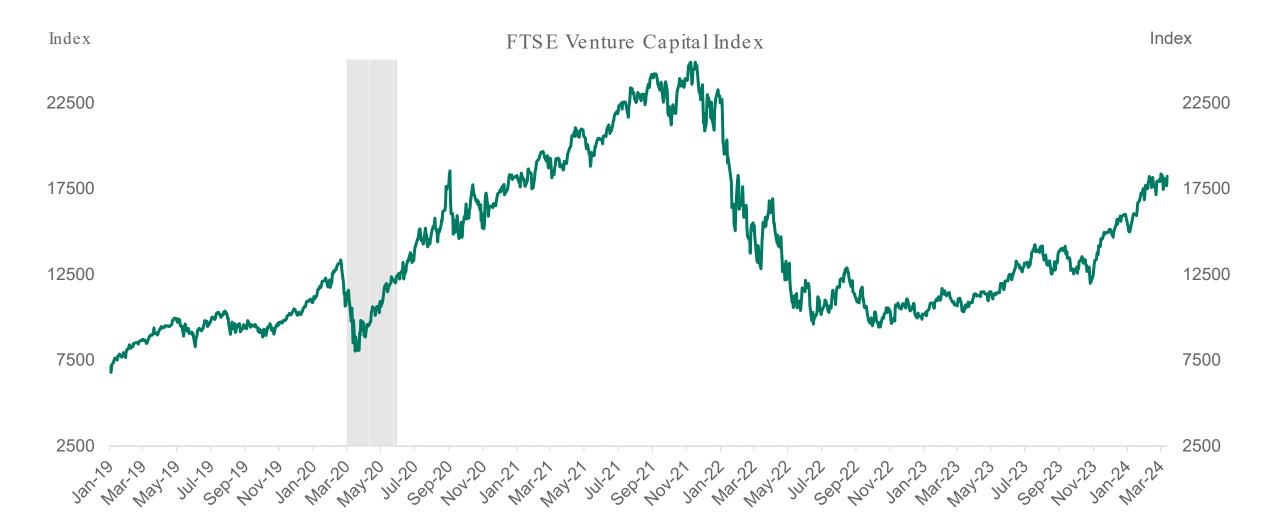
US PE middle-market exit value by type



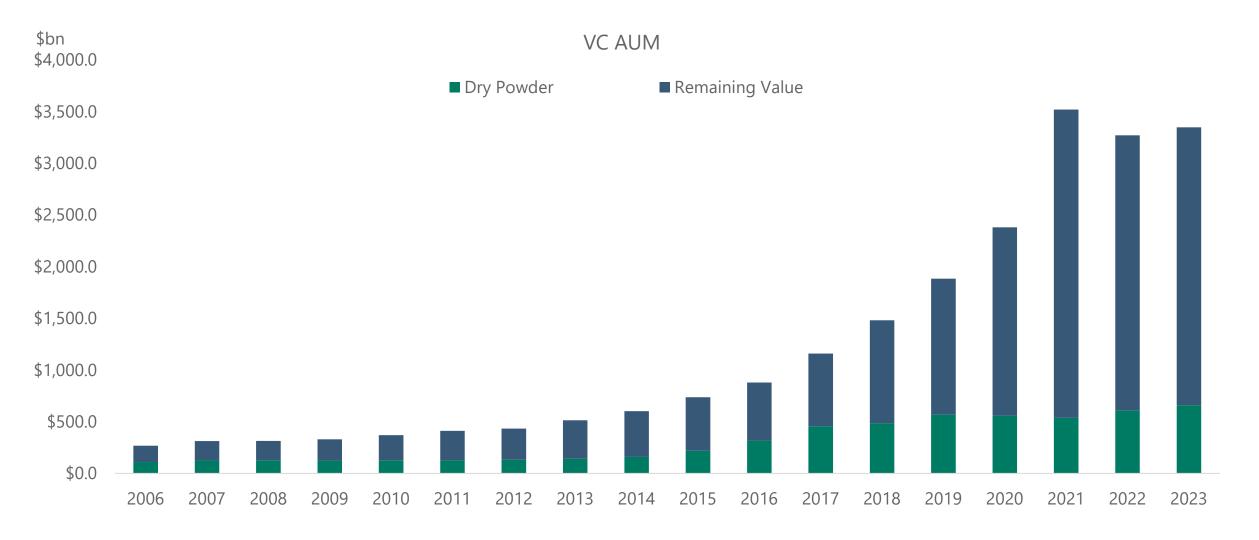
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Venture Capital

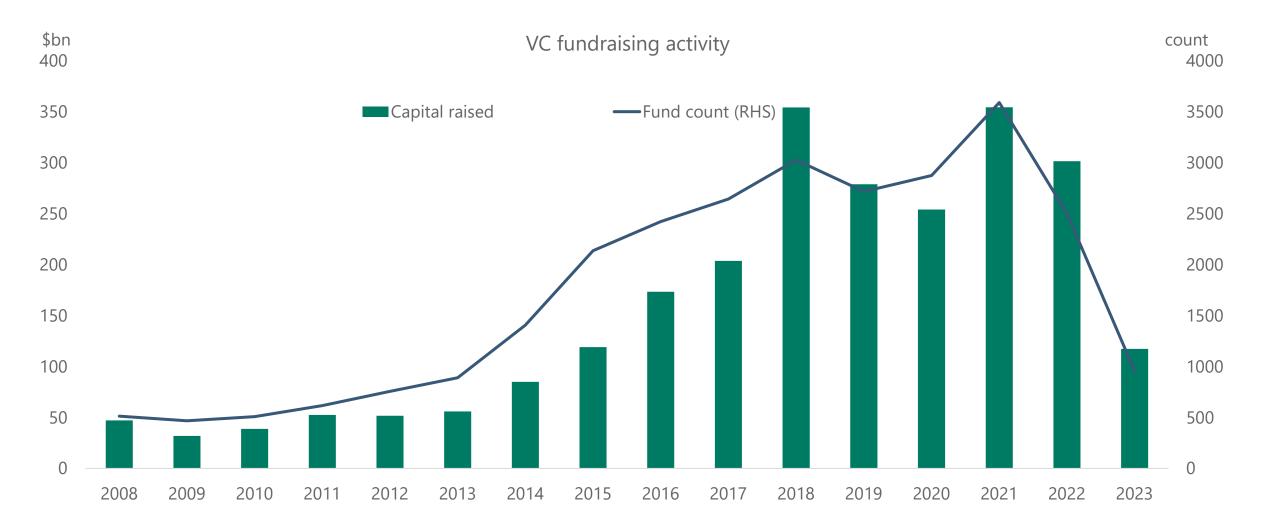
US venture capital valuations



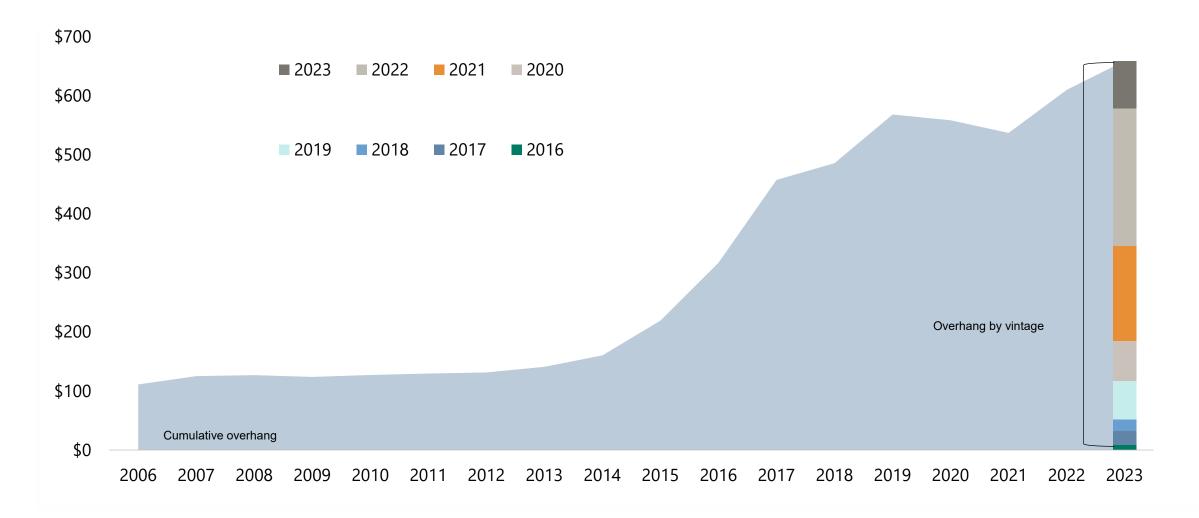
VC assets under management



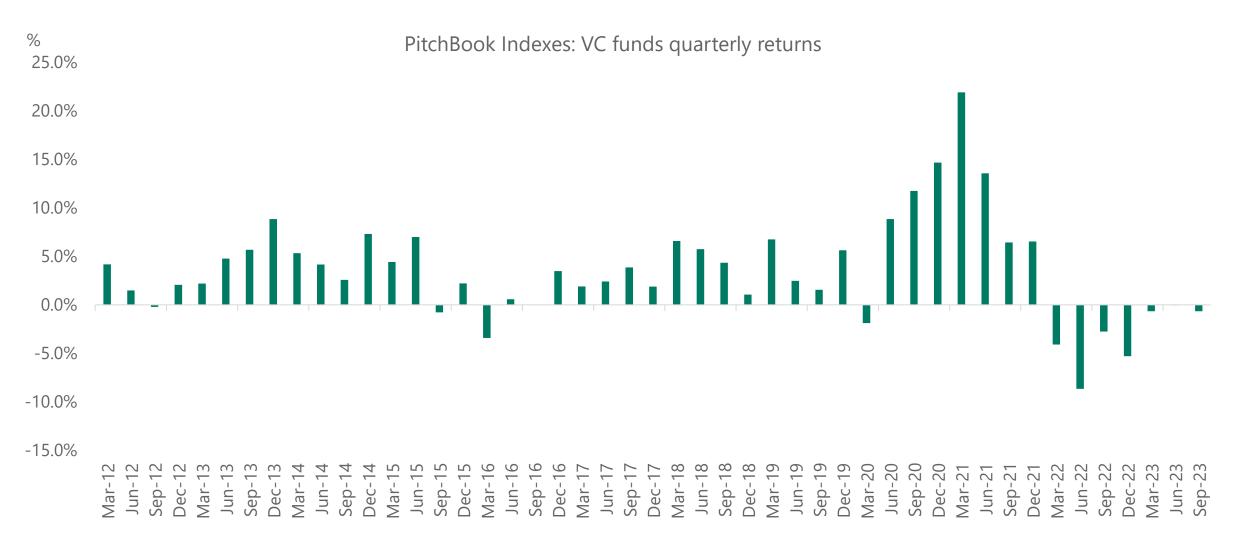
VC fundraising activity very weak



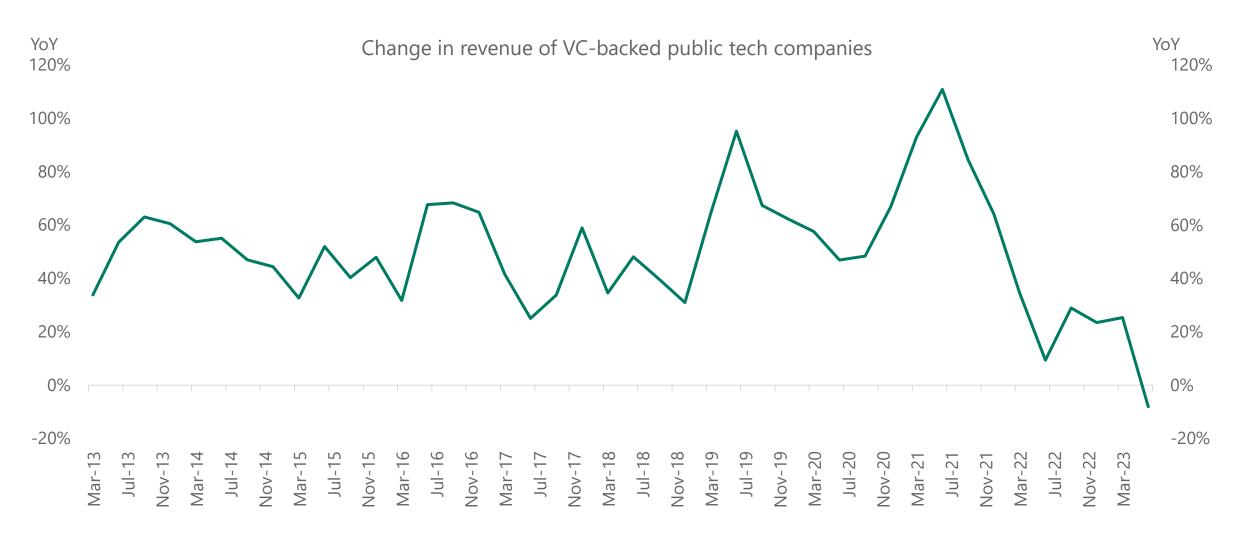
VC dry powder by vintage



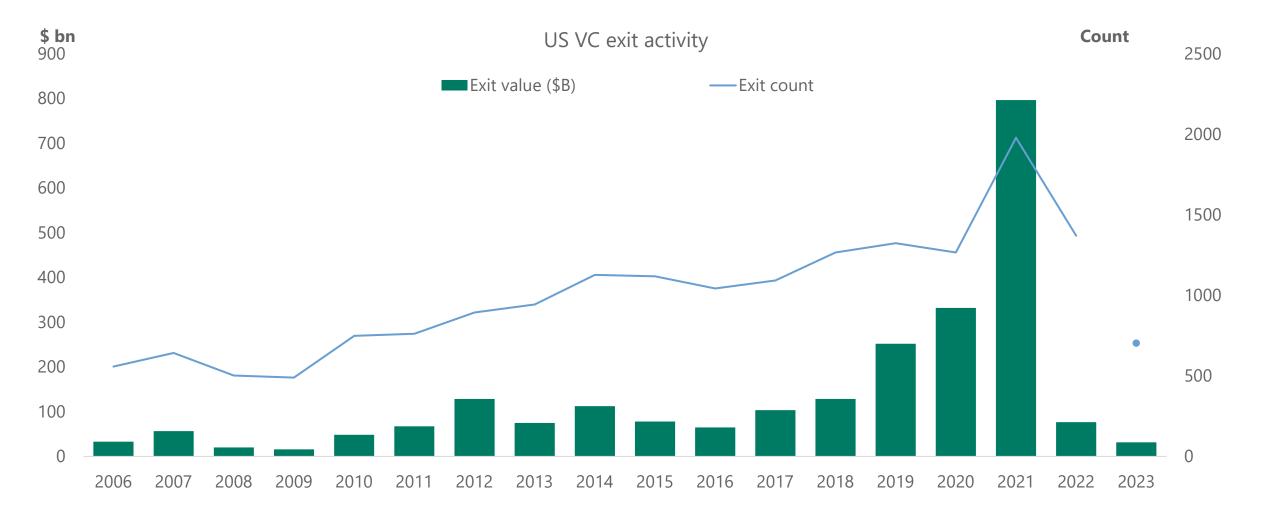
VC returns negative



Revenue growth in VC-backed public tech companies has turned negative

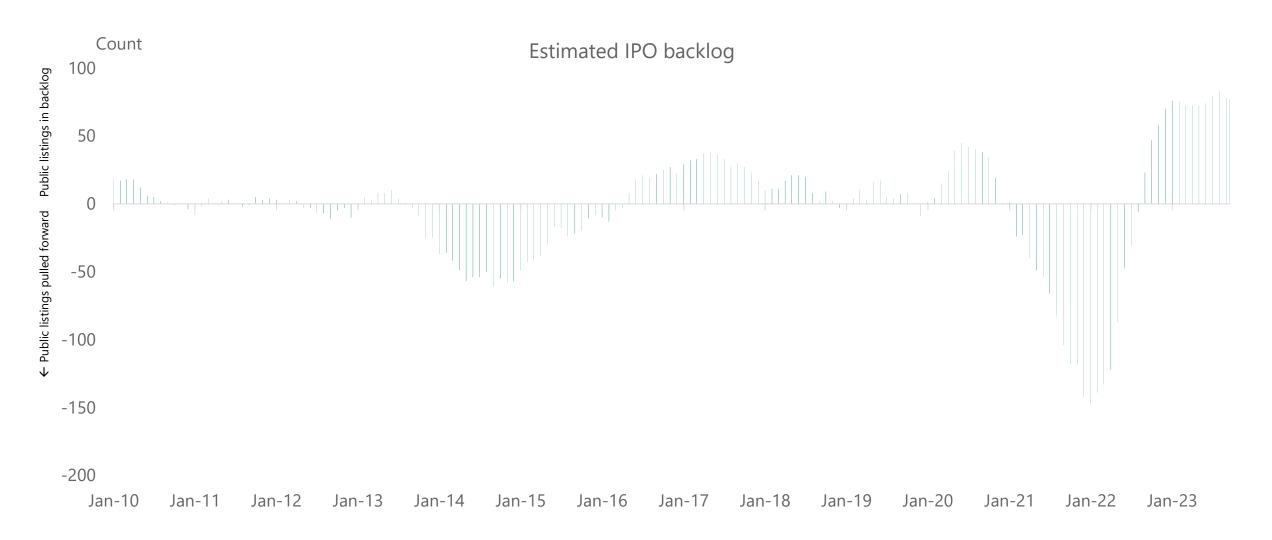


VC exit activity



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Backlog of VC-backed IPOs piling up



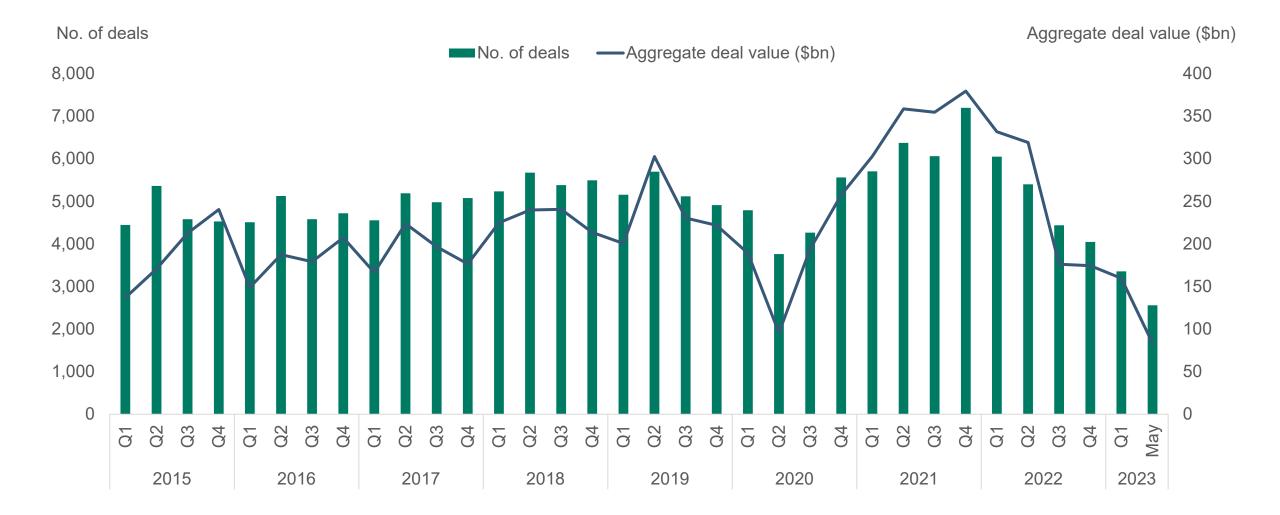
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Recent LBO activity

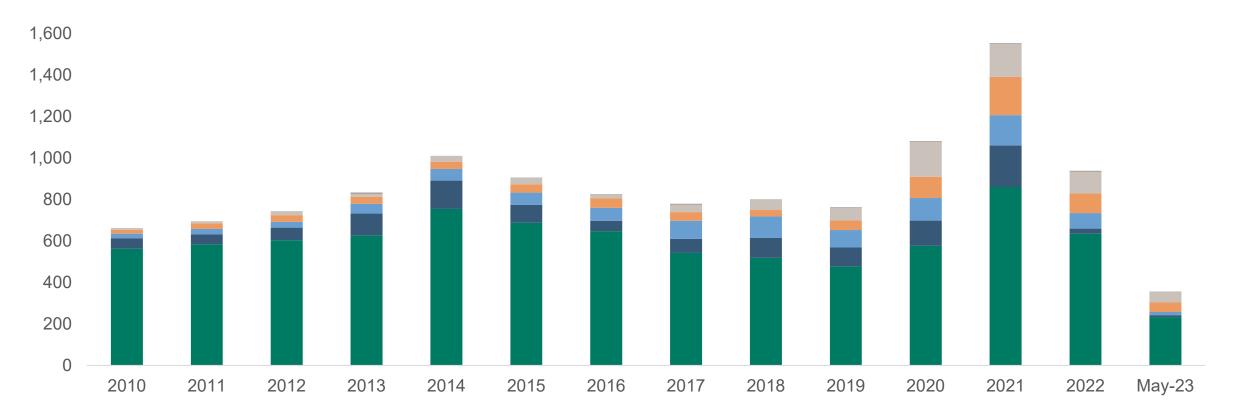
Average yield to maturity is above 11%



Deal making slowing



Source: Preqin, Apollo Chief Economist

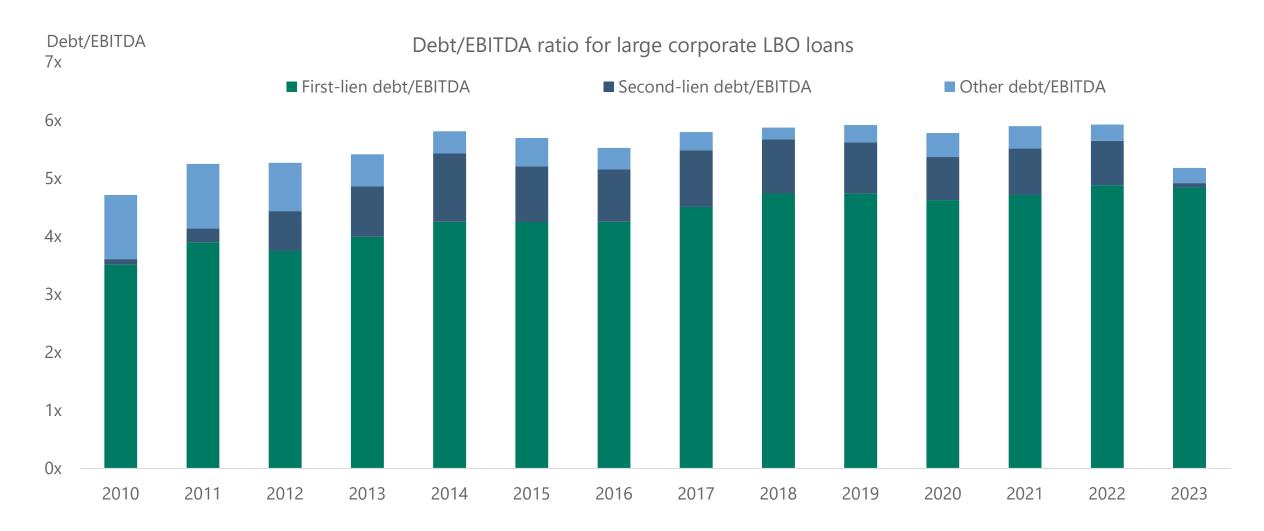


■Trade sale ■IPO ■Sale to GP ■Merger ■Private placement ■Sale to management

IPO activity

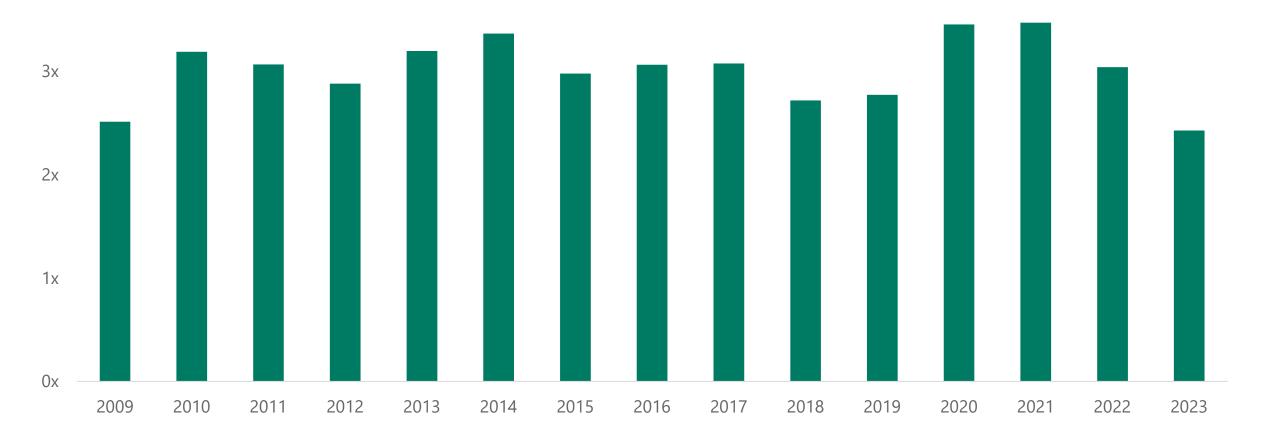
1,800

Leverage for large corporate LBOs has fallen

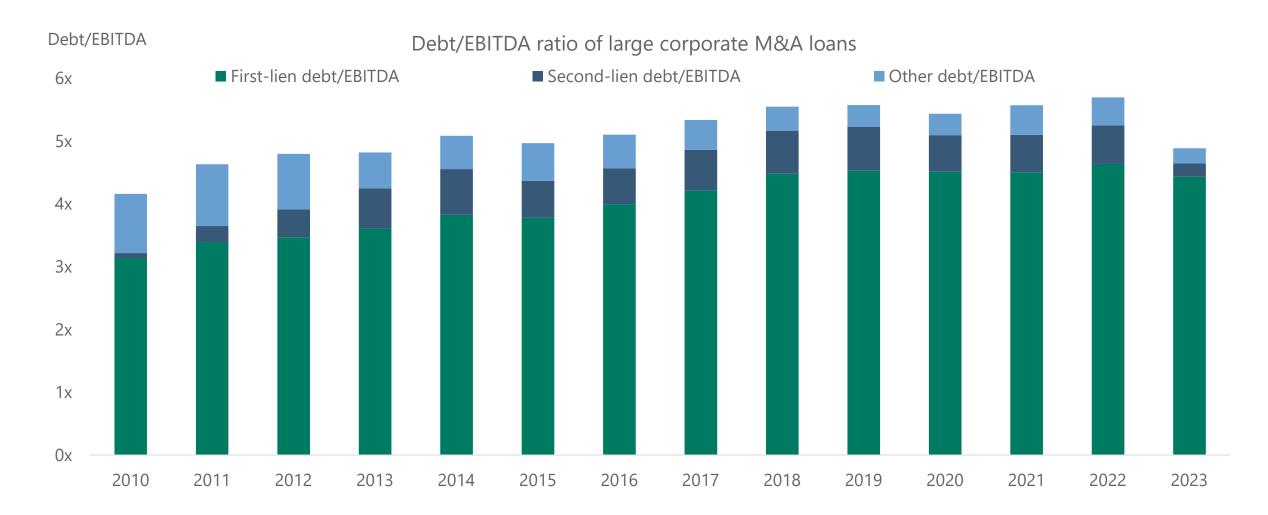


Interest coverage ratio for large corporate LBOs is declining

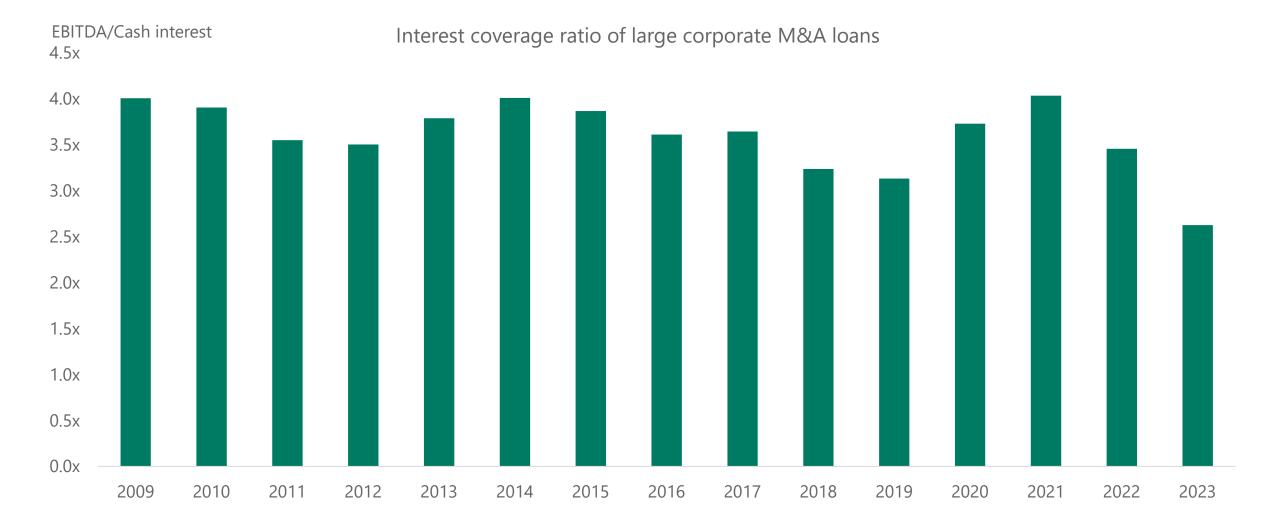
EBITDA/Cash interest 4x Interest coverage ratio of large corporate LBO loans



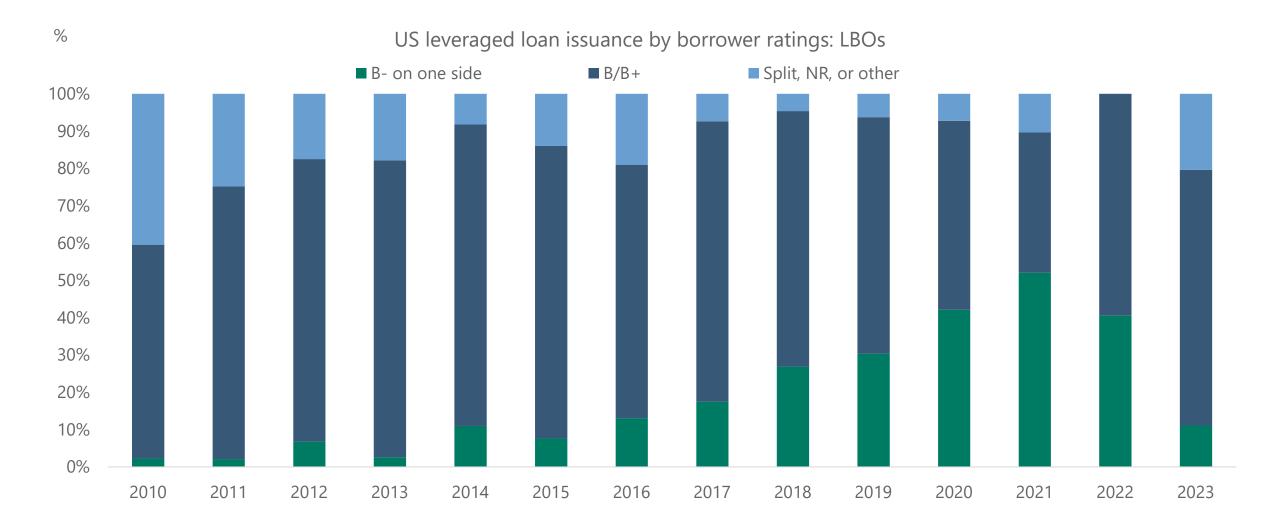
Leverage for large corporate M&A loans has also fallen



Interest coverage ratio for large corporate M&A loans also declining



LBO loan issuance by borrower rating



Purchase price multiples



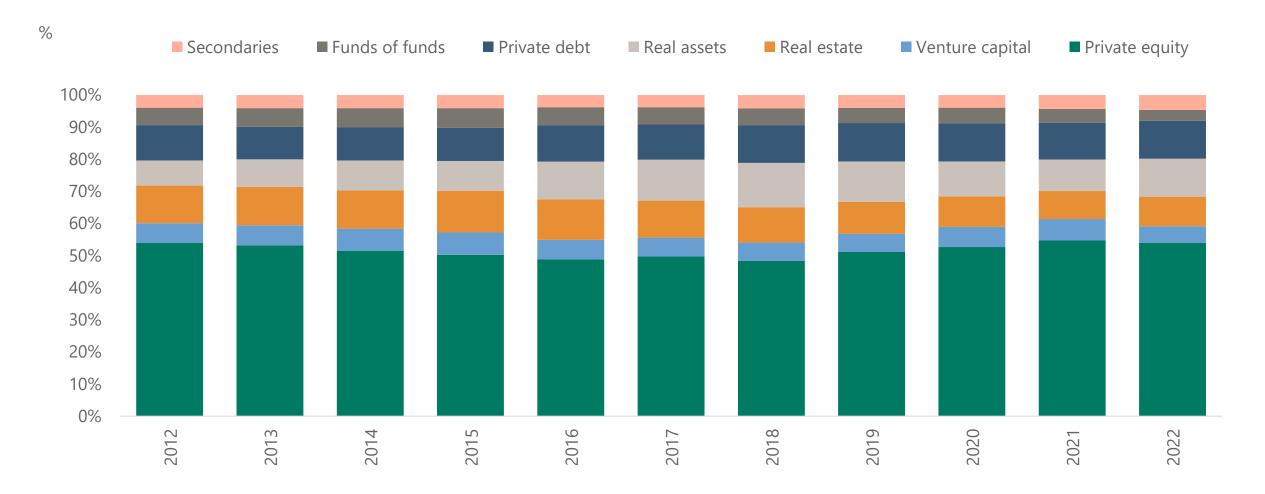
High debt costs leading to high equity contributions



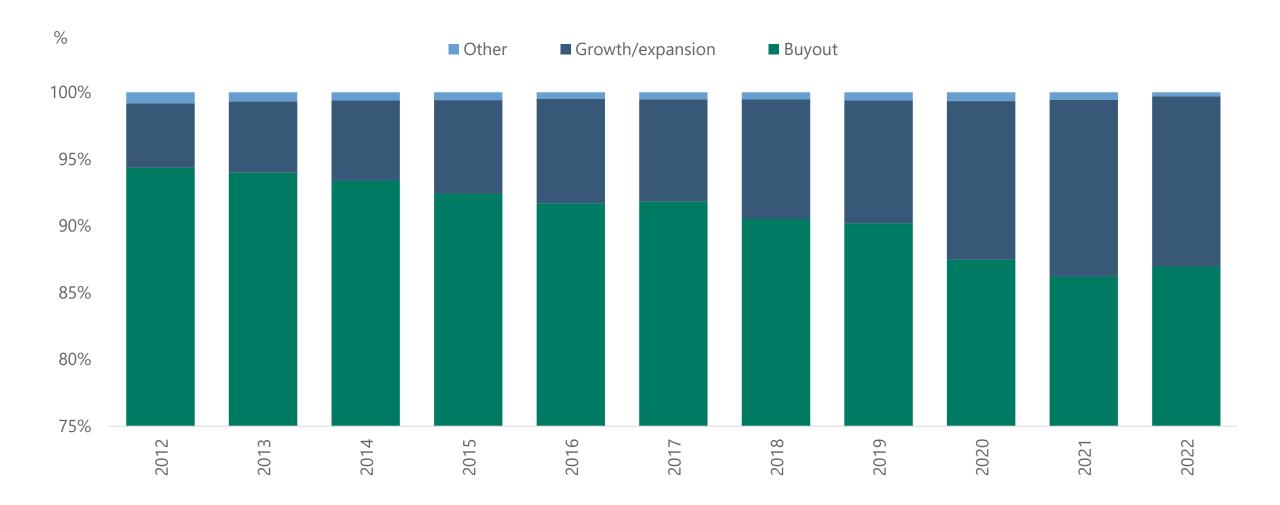
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Index weightings

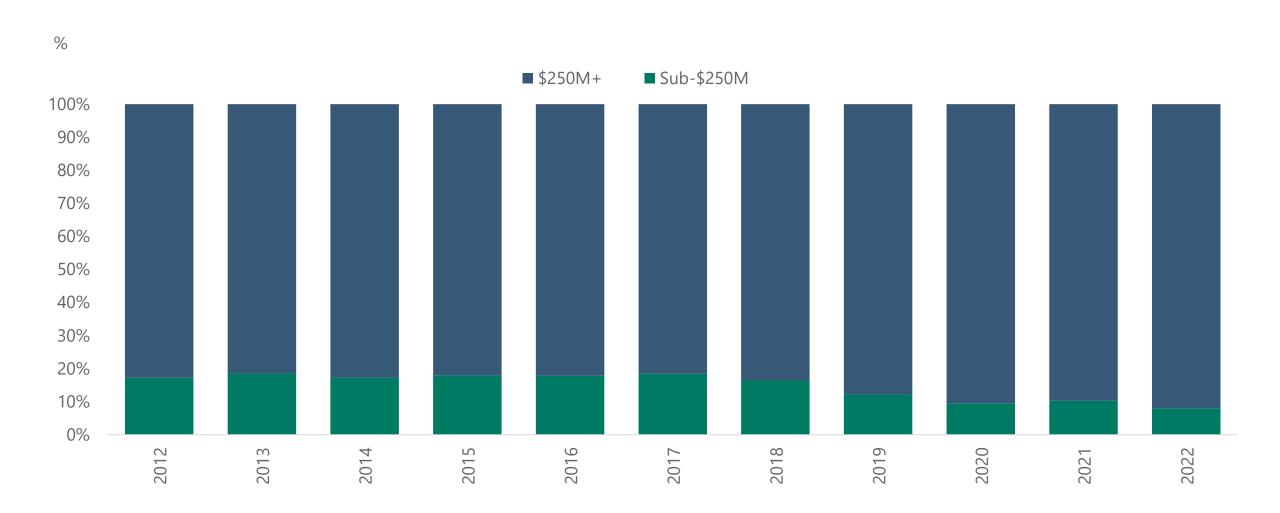
Private capital index weightings



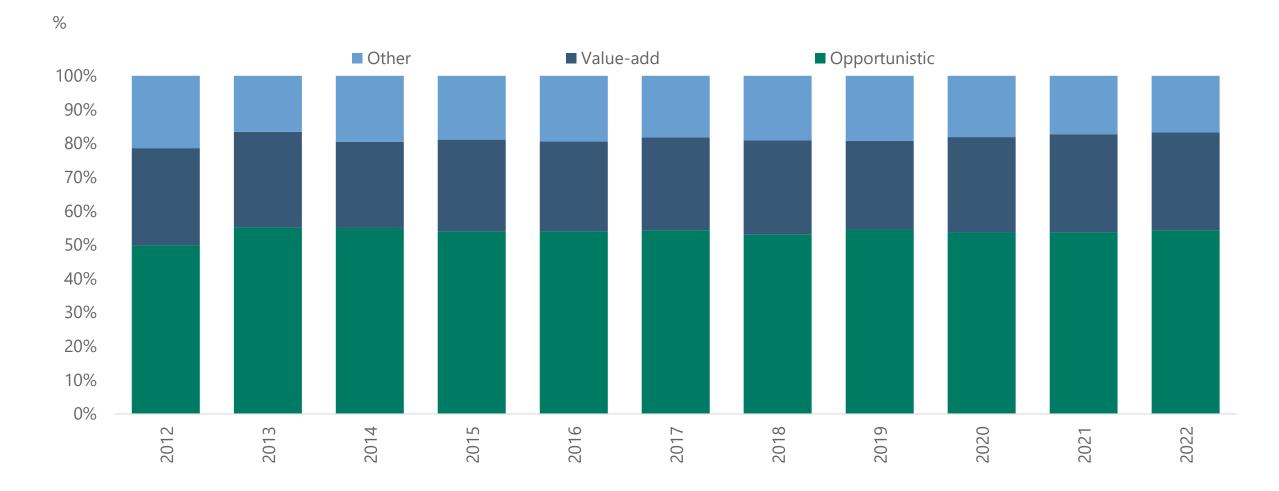
Private equity index weightings



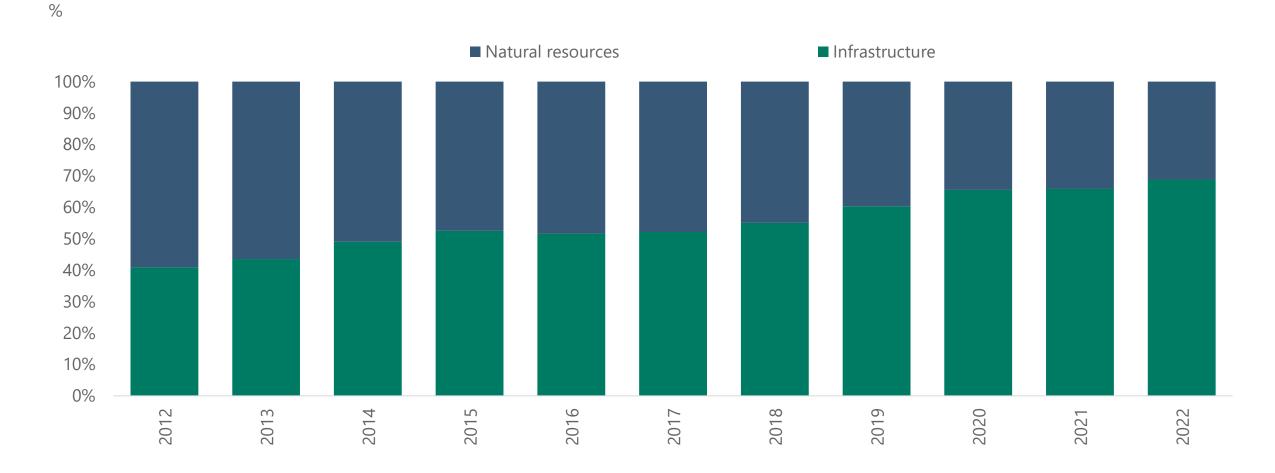
Venture capital index weightings



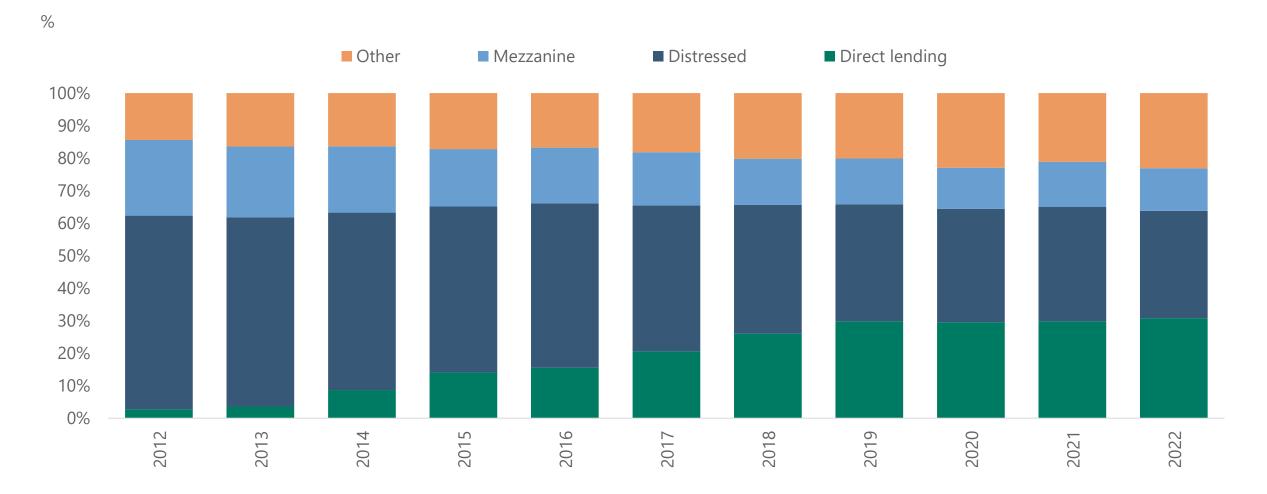
Real estate index weightings



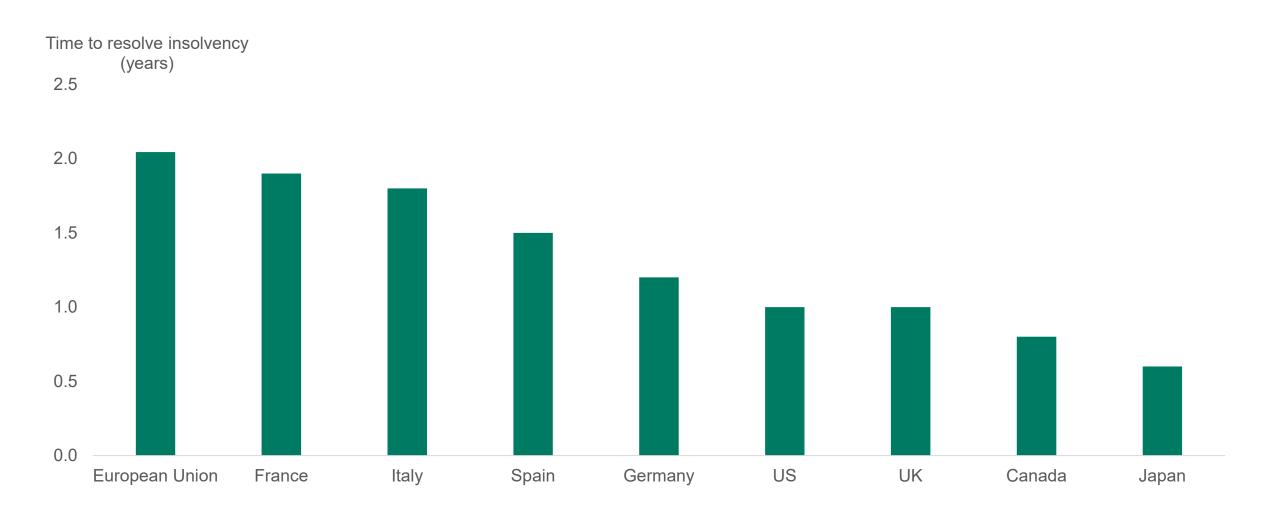
Real assets index weightings



Private debt index weightings



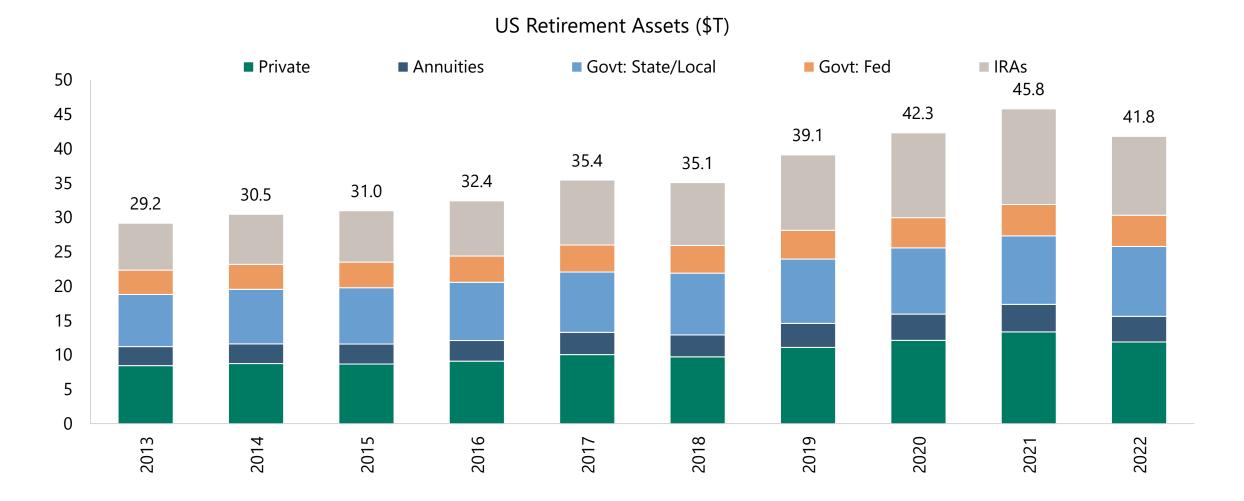
Time to resolve insolvency in 2019



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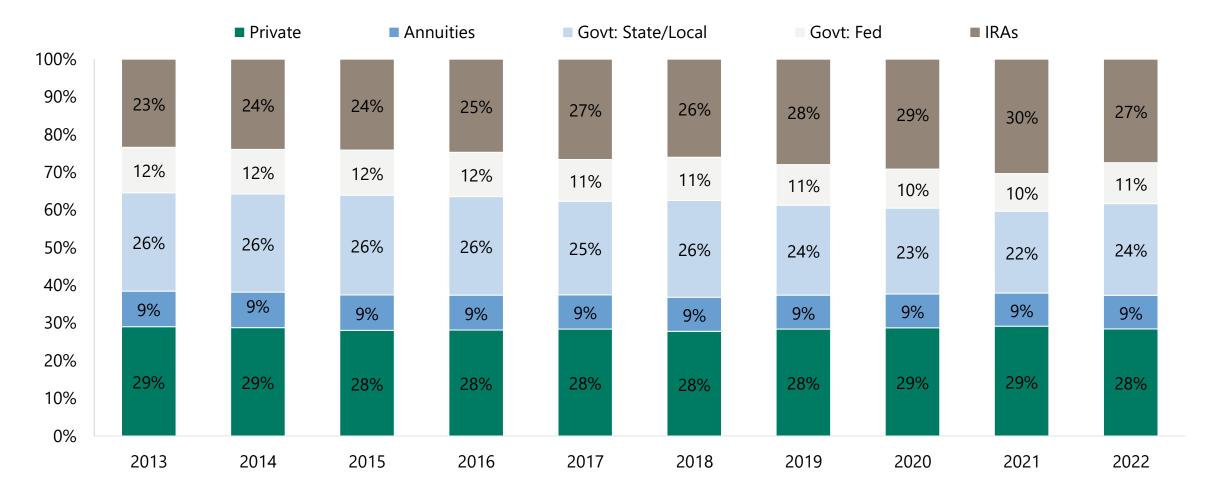
Retirement assets

The composition of US retirement assets



Source: SIFMA, Apollo Chief Economist

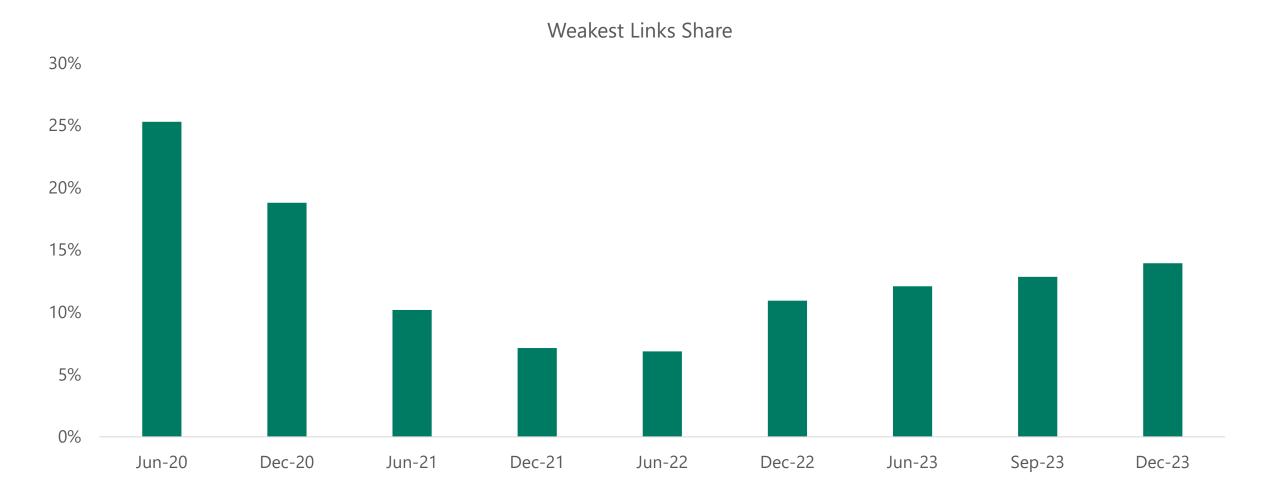
US retirement assets: % of total



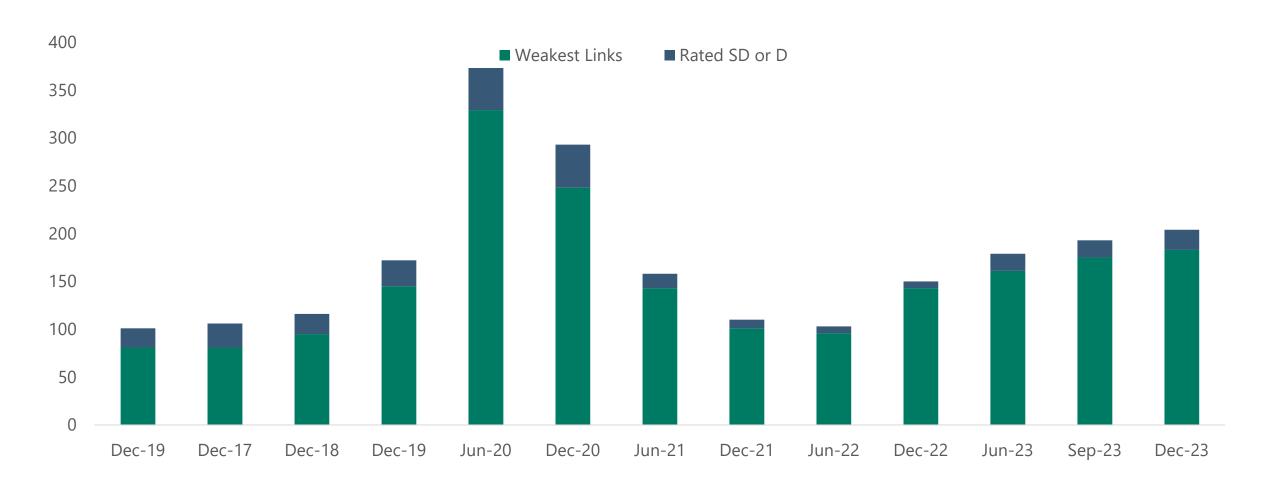
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Weakest links

US leveraged loan Weakest Links (issuer count)



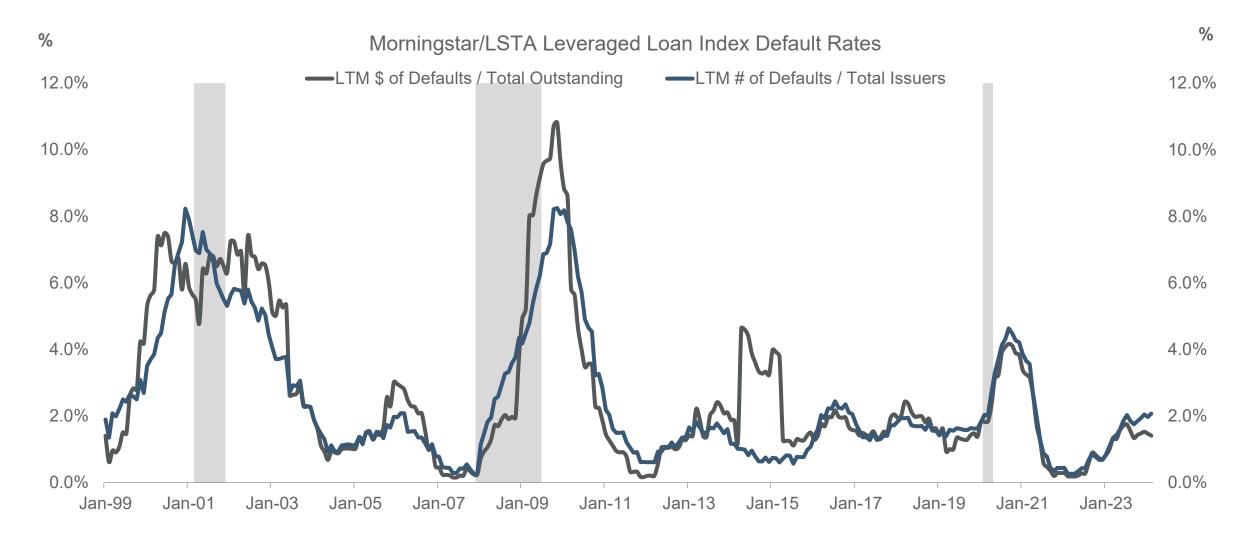
US leveraged loan Weakest Links plus defaults/restructurings



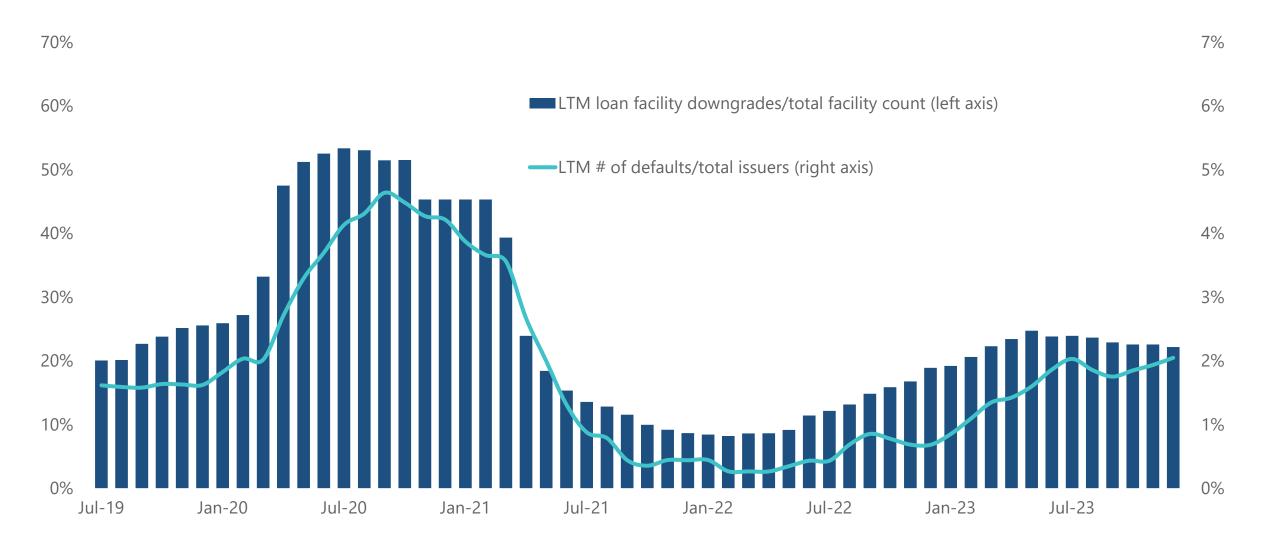
US loan Weakest Links default rates (issuer count)

Share of each cohort that defaulted in subsequent years 50% Defaulted in the following year Defaulted in the following two years 45% 40% 35% 30% 25% 20% 15% 10% 5% 0% 2015 YE 2016 YE 2017 YE 2018 YE 2019 YE 2020 YE 2021 YE 2022 YE

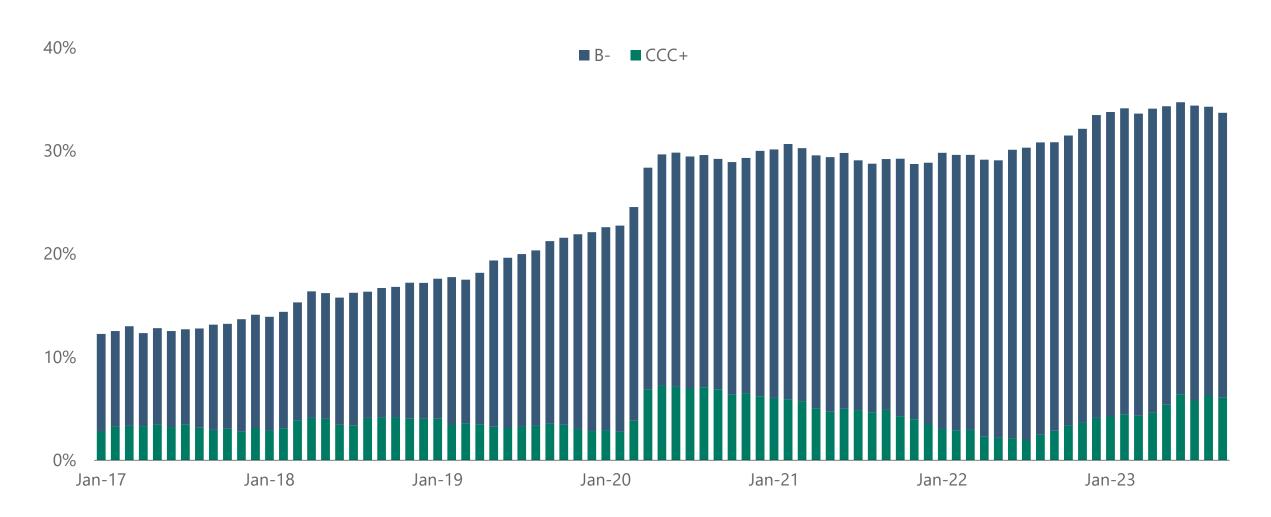
US leveraged loan default rate



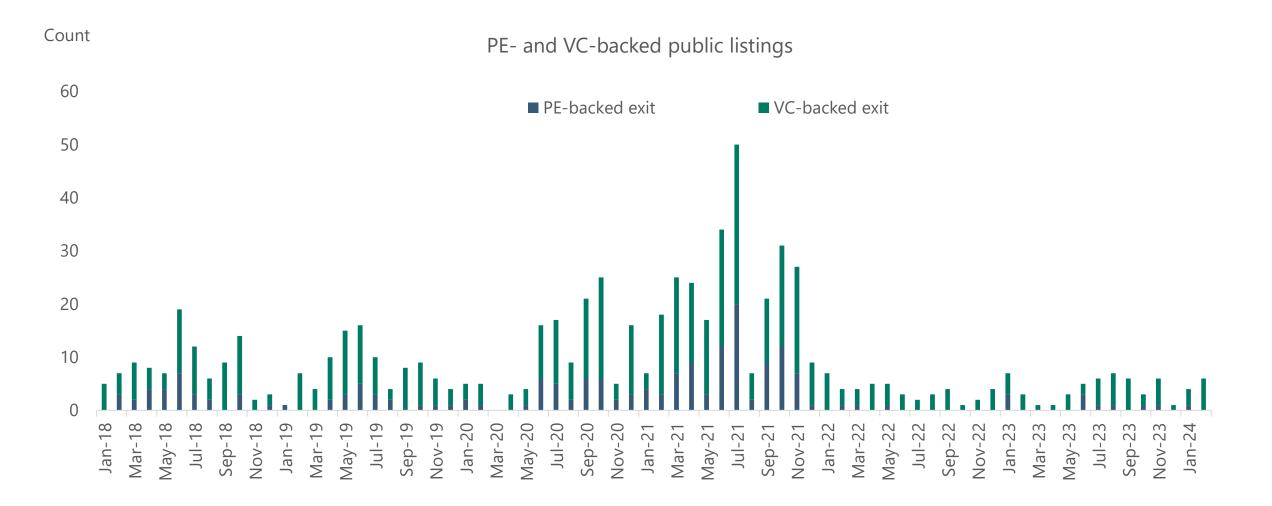
LTM downgrades share and leveraged loan default rate



Share of loans in the LL Index by S&P CCR by par amount



PE- and VC-backed public listings





Torsten Slok, Ph.D.

Chief Economist Apollo Global Management 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. 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.