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Outlook for private markets

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Apollo Global Management

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Unless otherwise noted, information as of October 2023.

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Overview

Comparing public and private markets

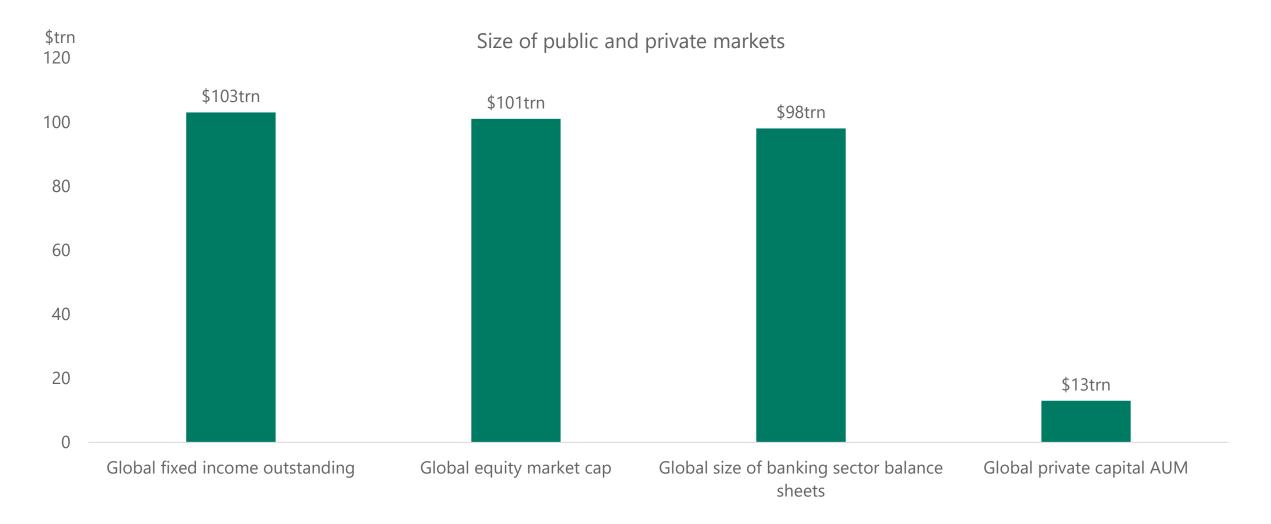
- Global private capital AUM: \$13trn (Source: Pitchbook)
- Global fixed income outstanding: \$130trn (Source: SIFMA)
- Global equity market cap: \$101trn (Source: SIFMA)
- Global size of banking sector balance sheets: \$98trn (Source: BIS)

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

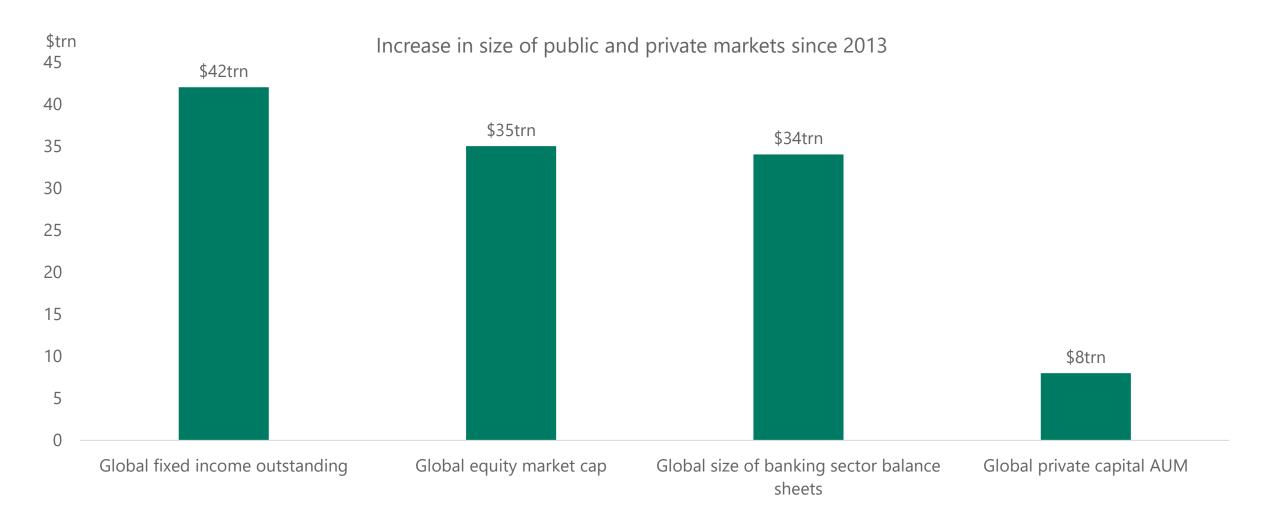
- Increase in the size of global private markets AUM over the past decade: \$8trn
- Increase in the size of global fixed income markets over the past decade: \$42trn
- Increase in the size of global equity market cap over the past decade: \$35trn
- Increase in the size of global banking sector balance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

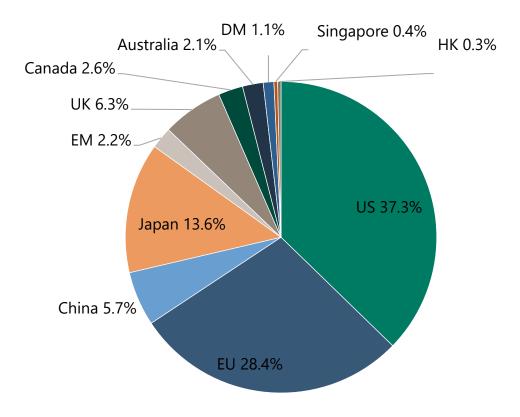


Comparing growth in public and private markets over the past decade

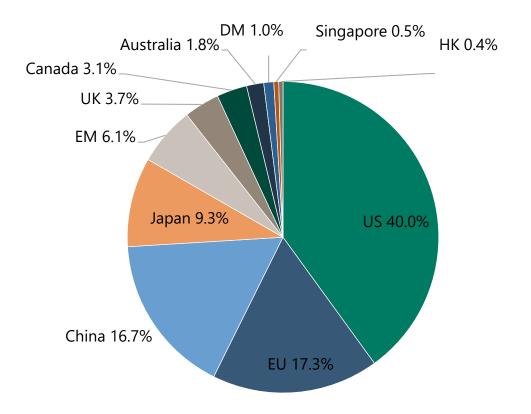


Global fixed income markets have grown \$42trn over the past decade

Global fixed income outstanding 2013: \$87.8trn

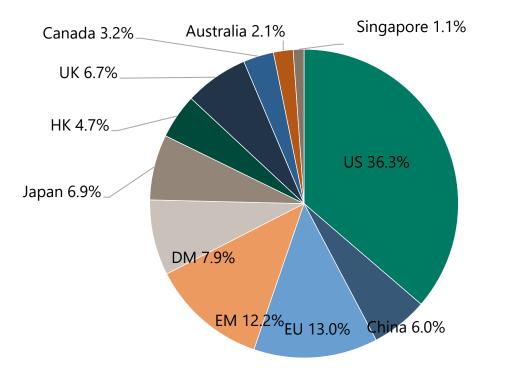


Global fixed income outstanding 2022: \$129.8trn

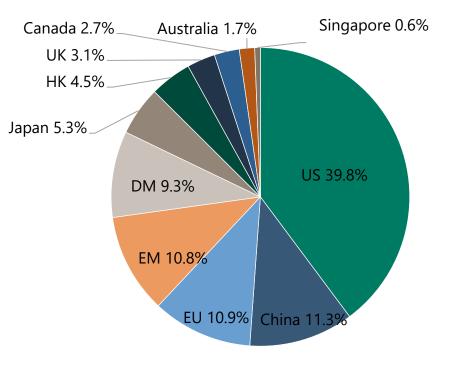


Global equity markets have grown \$35trn over the past decade

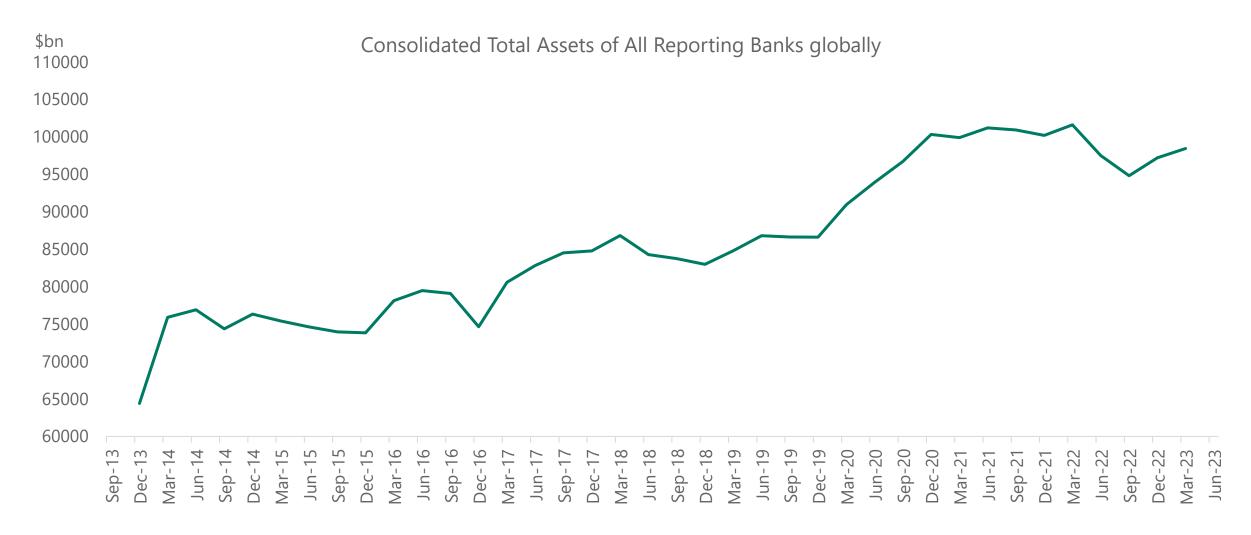
Global equity market cap 2013: \$66.2trn



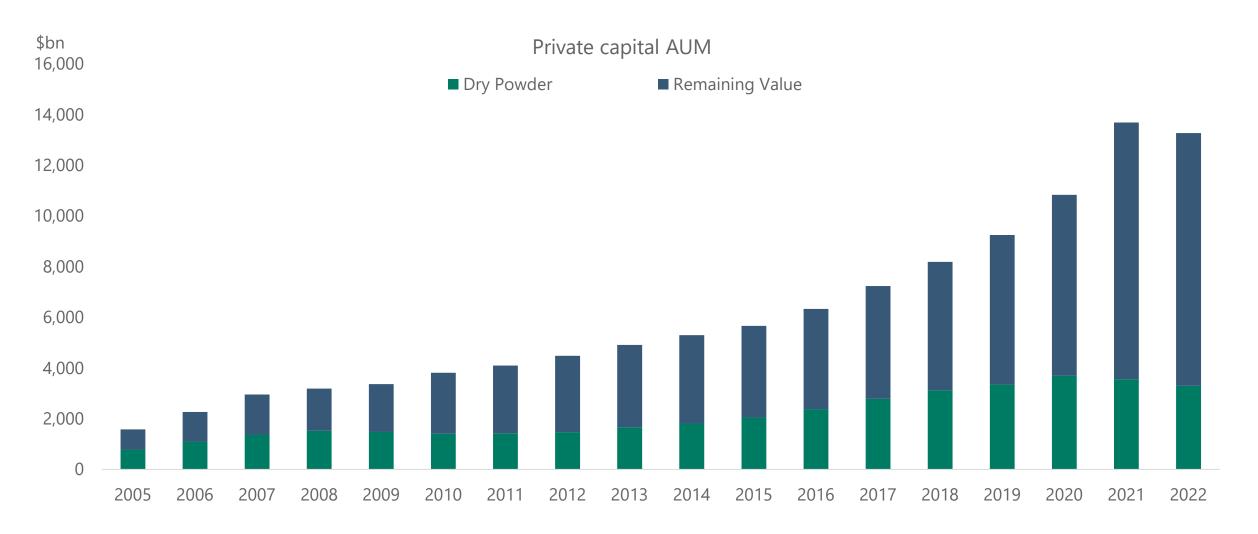
Global equity market cap 2022: \$101.2T



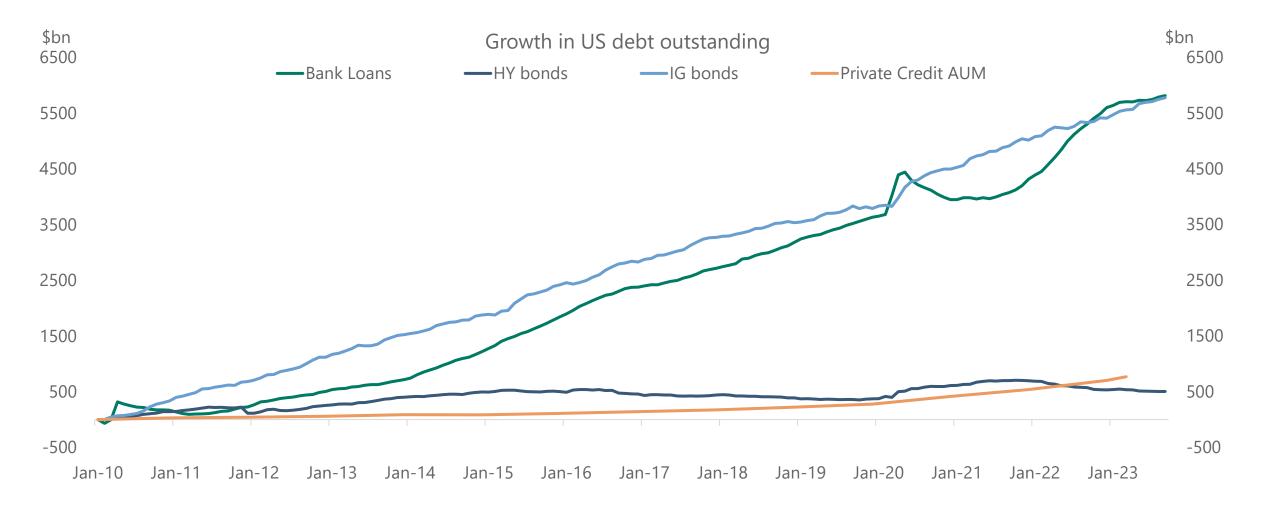
Total assets in the global banking sector have grown \$34trn over the past decade



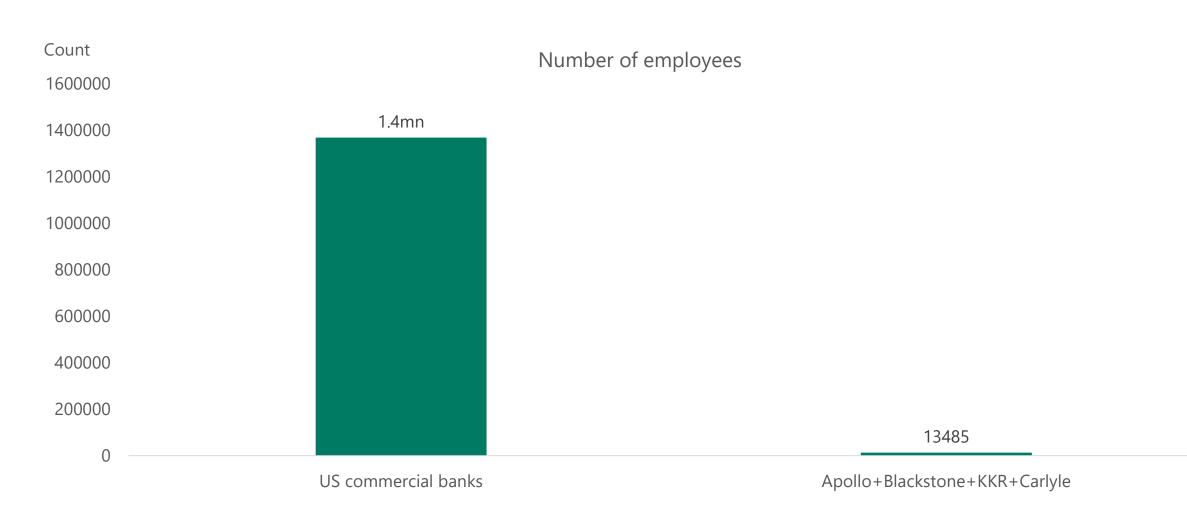
Global private capital markets have grown \$8trn over the past decade



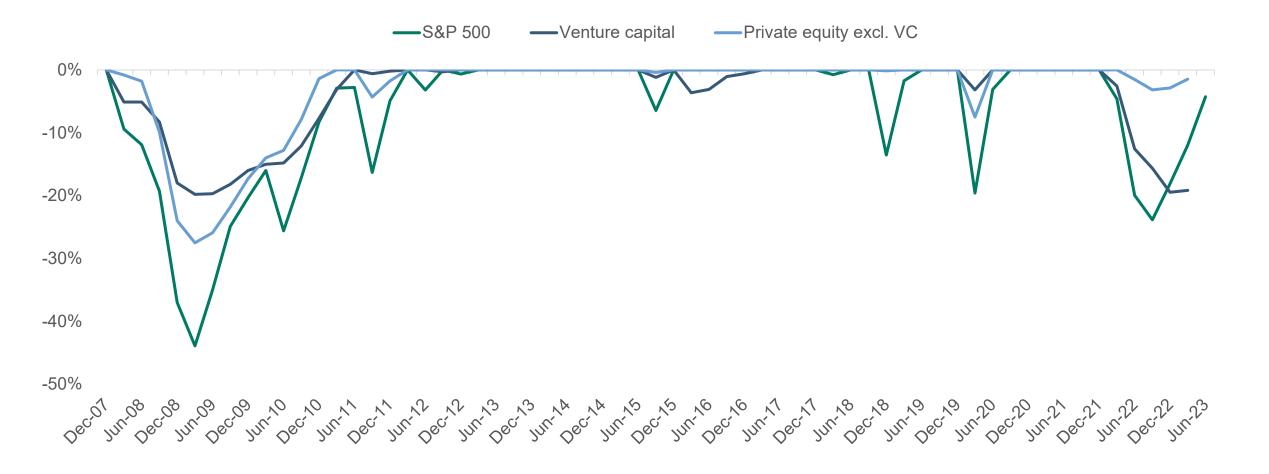
Since 2010, lending by banks has increased by \$5.5trn, IG markets have grown \$5.5trn, HY markets have grown \$500bn, and private credit AUM has increased by \$1trn



Total employment in US commercial banks: 1.4mn



Public and private market drawdown periods, since GFC



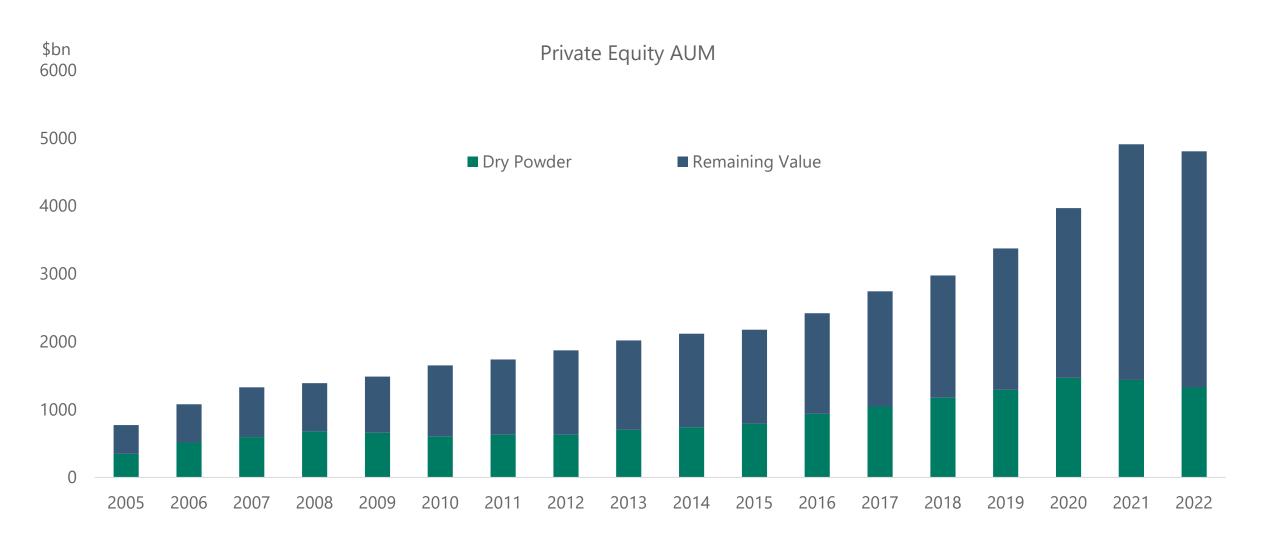
Percentage of private capital funds raised by the 10 largest managers



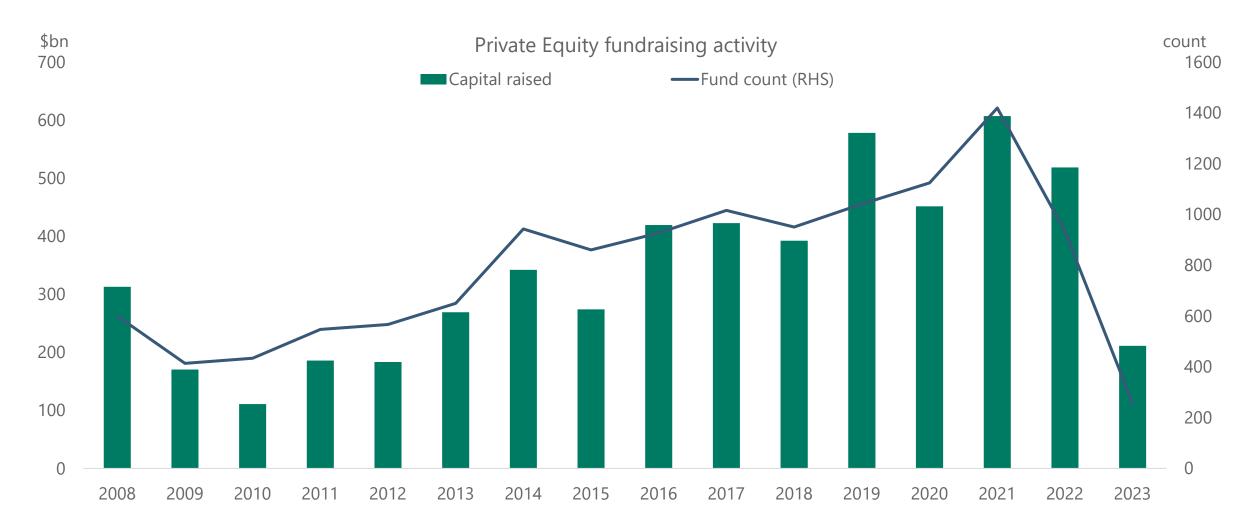
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Private equity

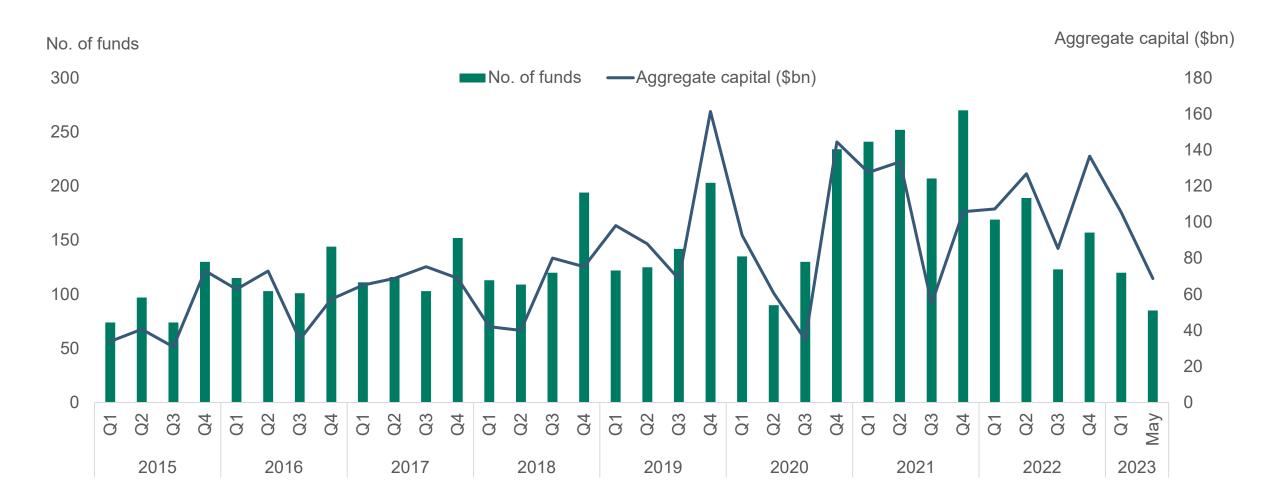
Global private equity AUM is around \$5trn



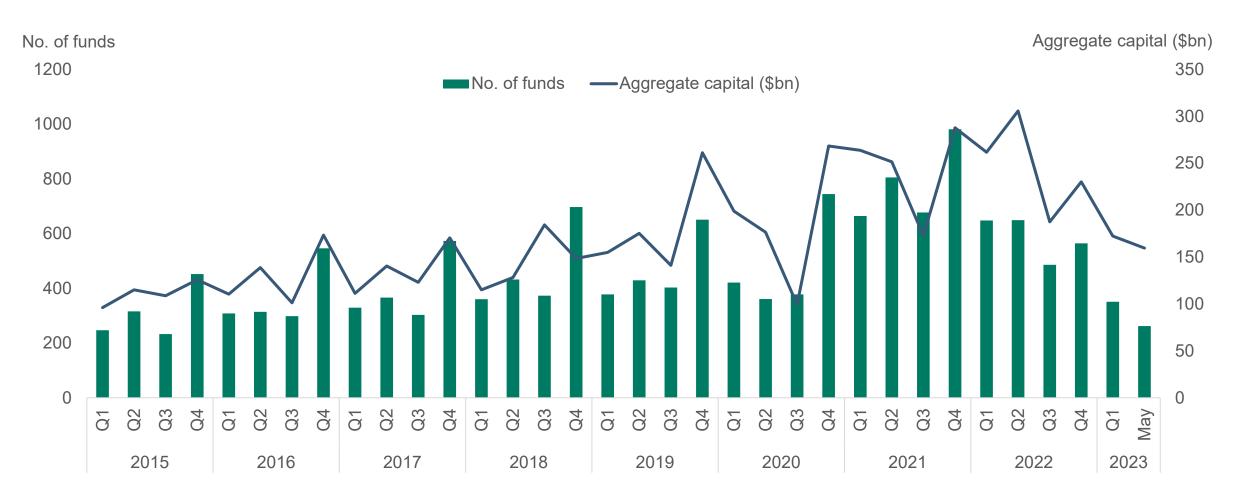
Fundraising activity



North America private equity more concentrated

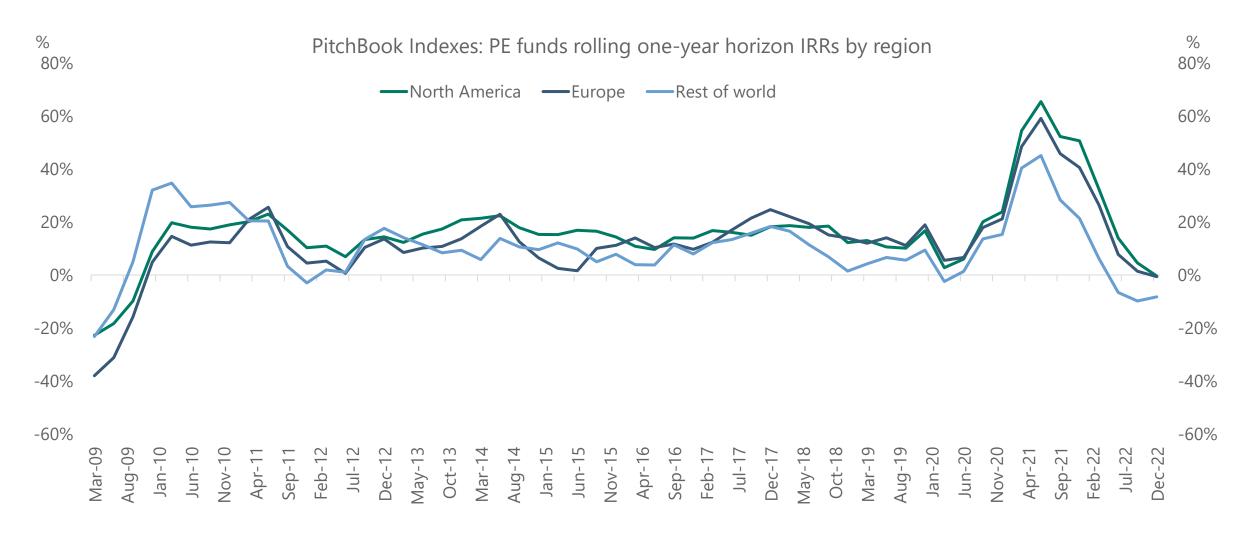


Fundraising trending lower

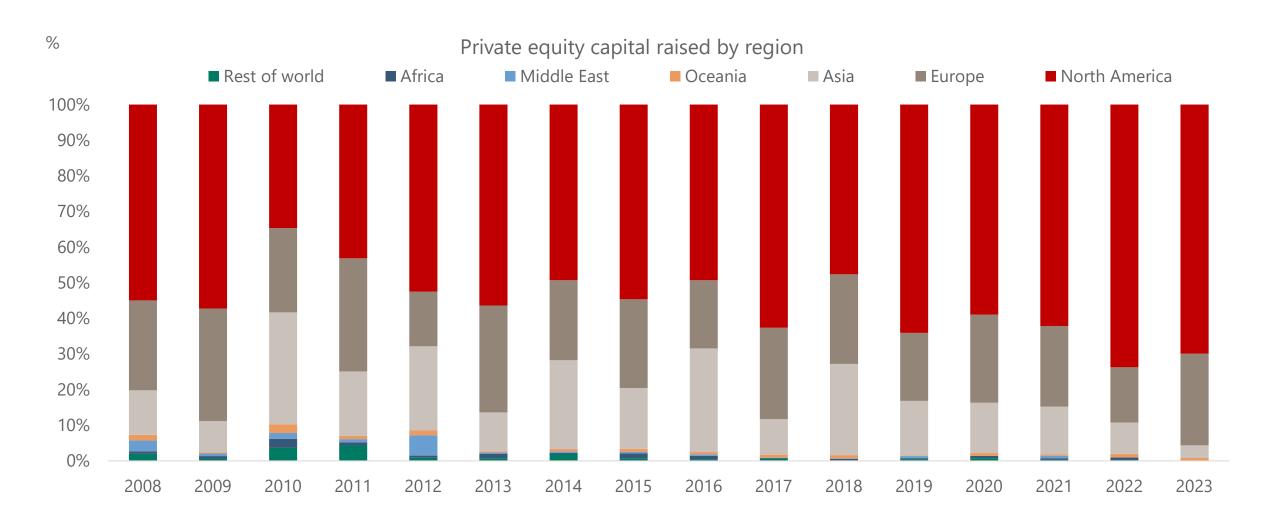


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Private Equity returns, by region



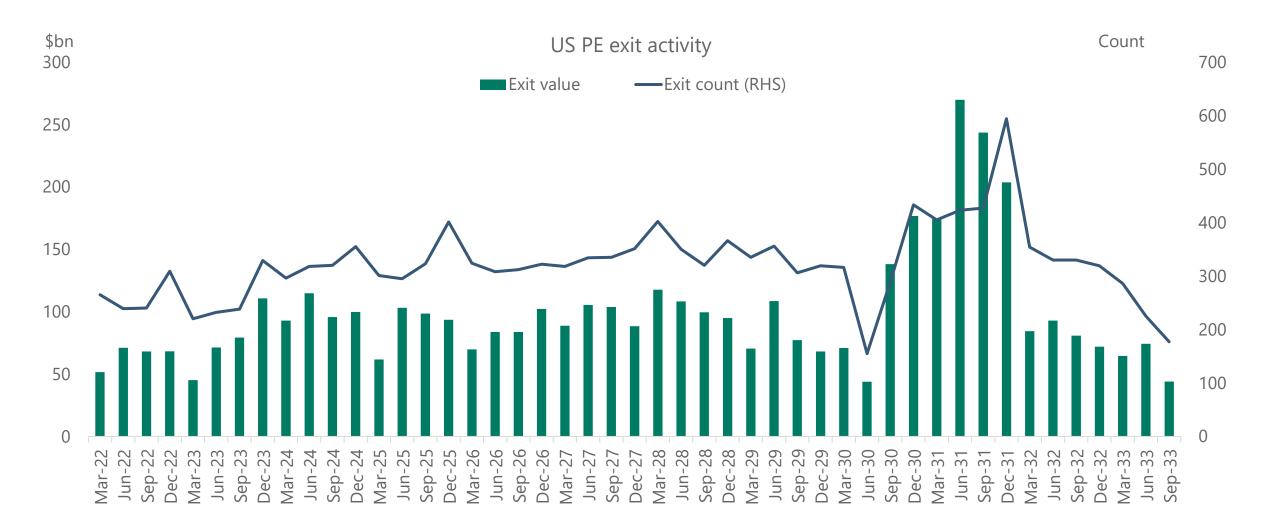
70% of global private equity capital is raised in North America



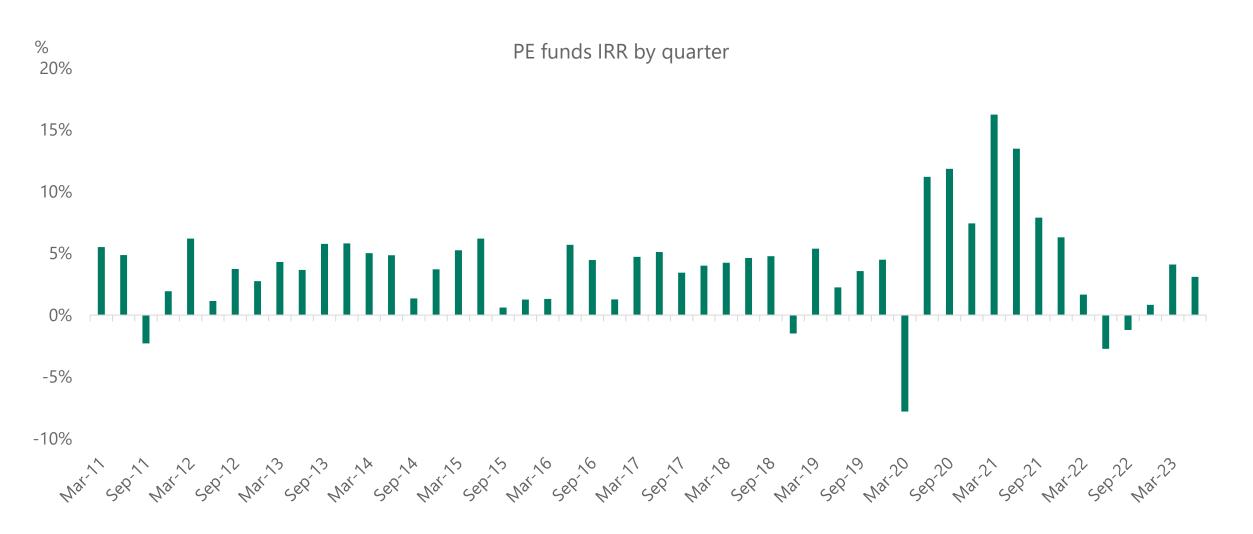
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PE deal activity

PE exit activity falling

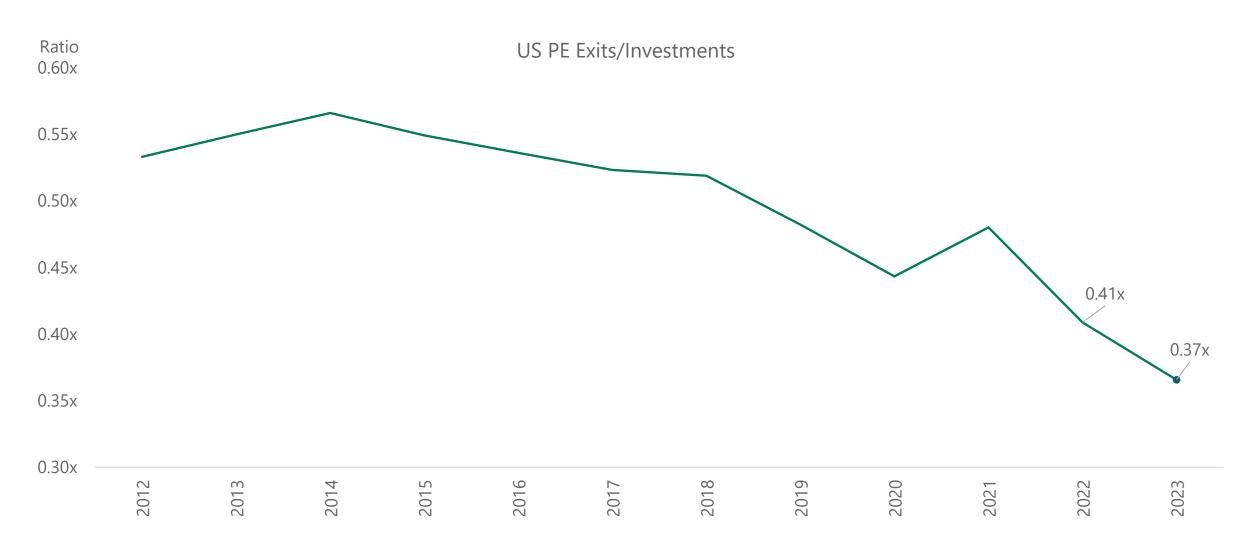


PE funds IRR

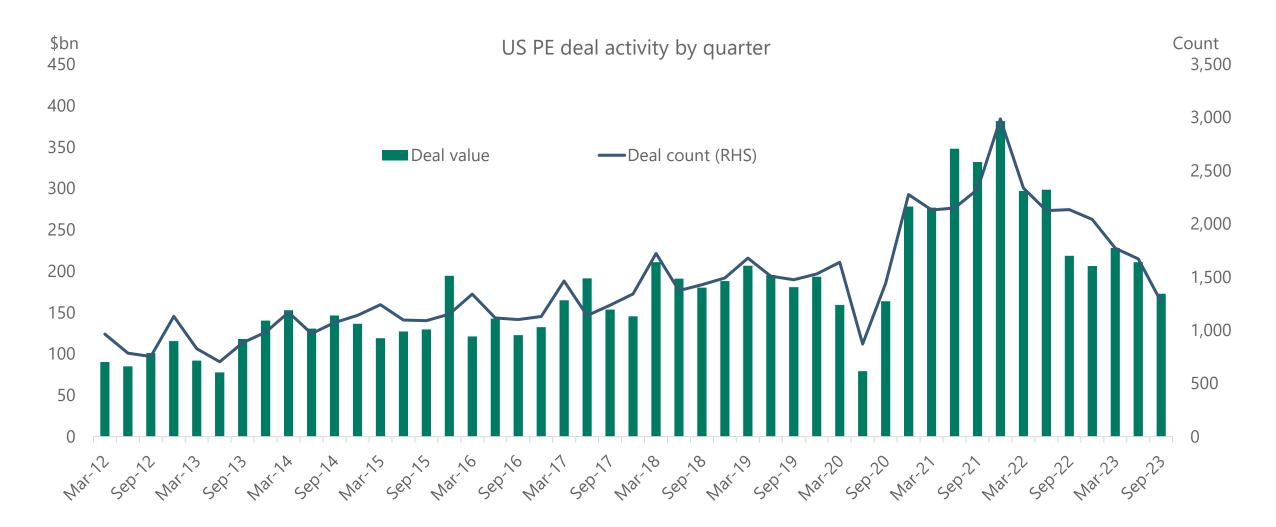


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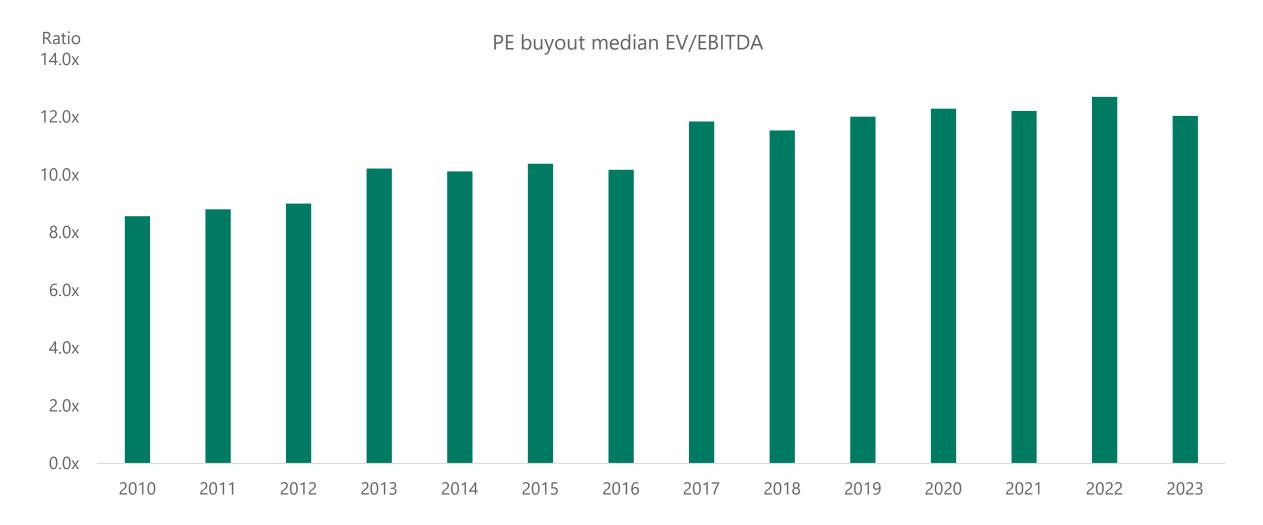
The exits to investments ratio is declining



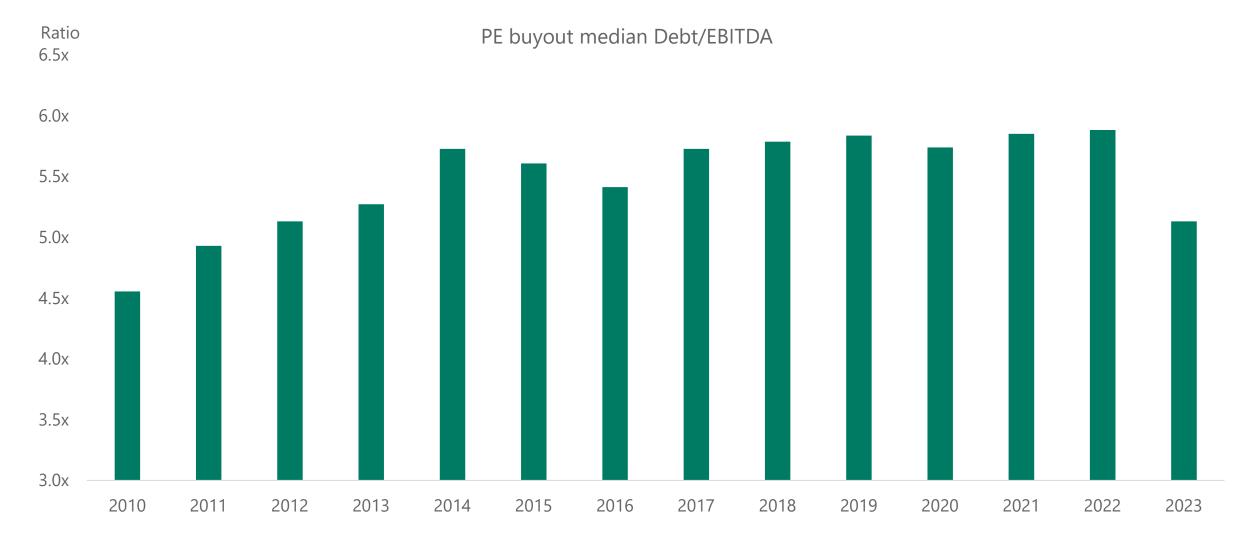
US PE deal activity



Median EV/EBITDA ratio



Median Debt/EBITDA has fallen in 2023



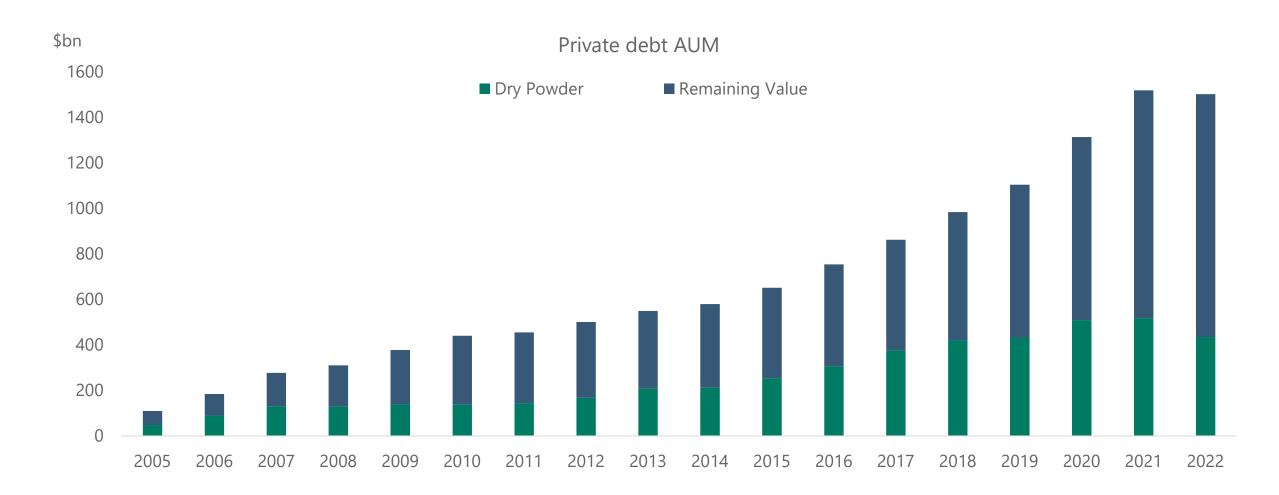
LBO loan volume



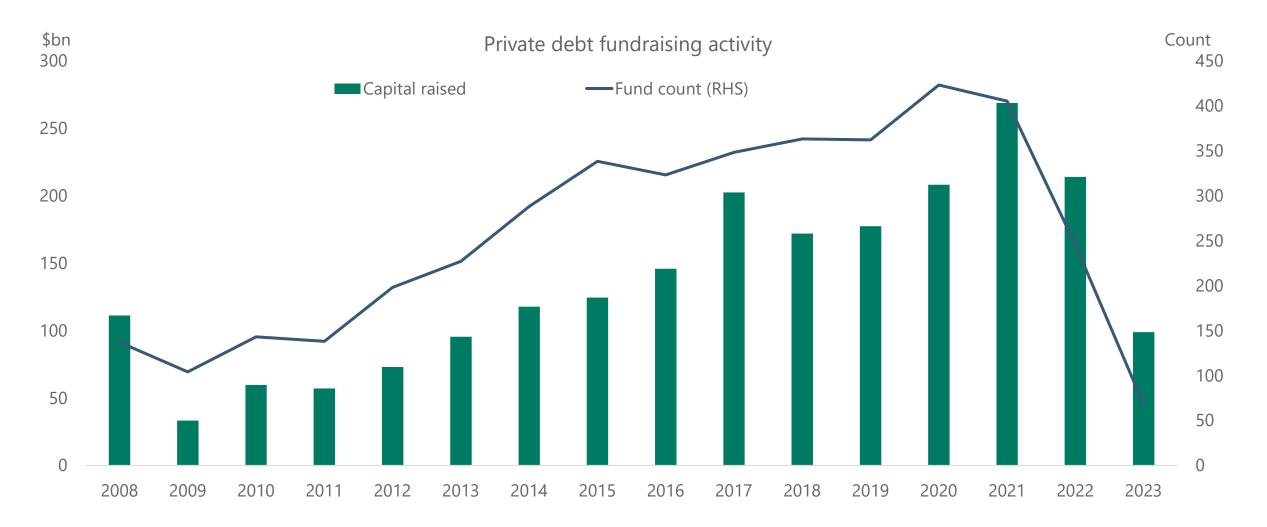
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Private credit

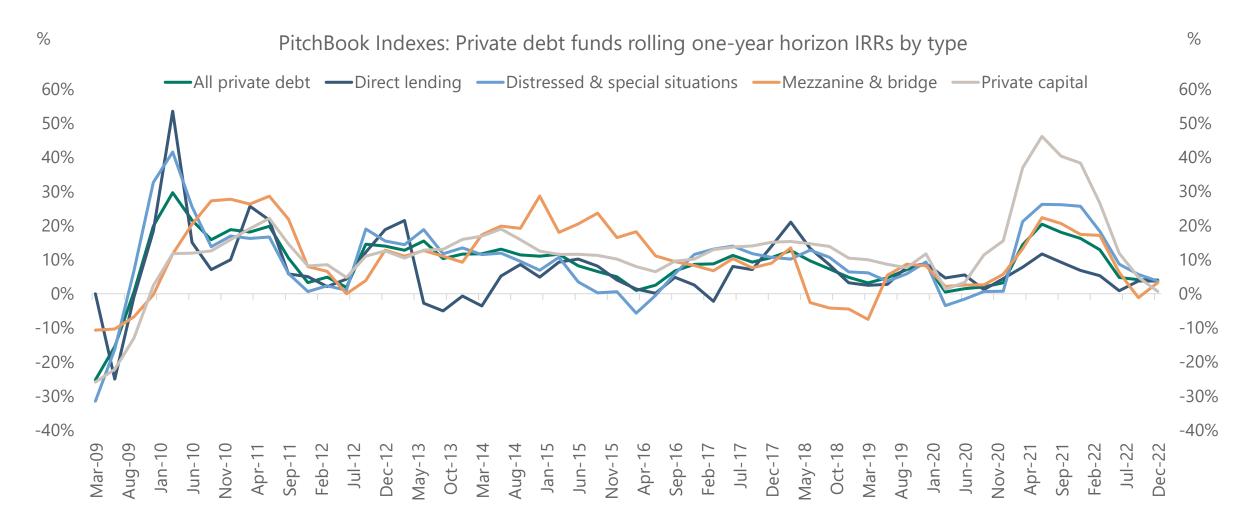
About \$1.5trn in private credit globally, of which \$400bn is dry powder



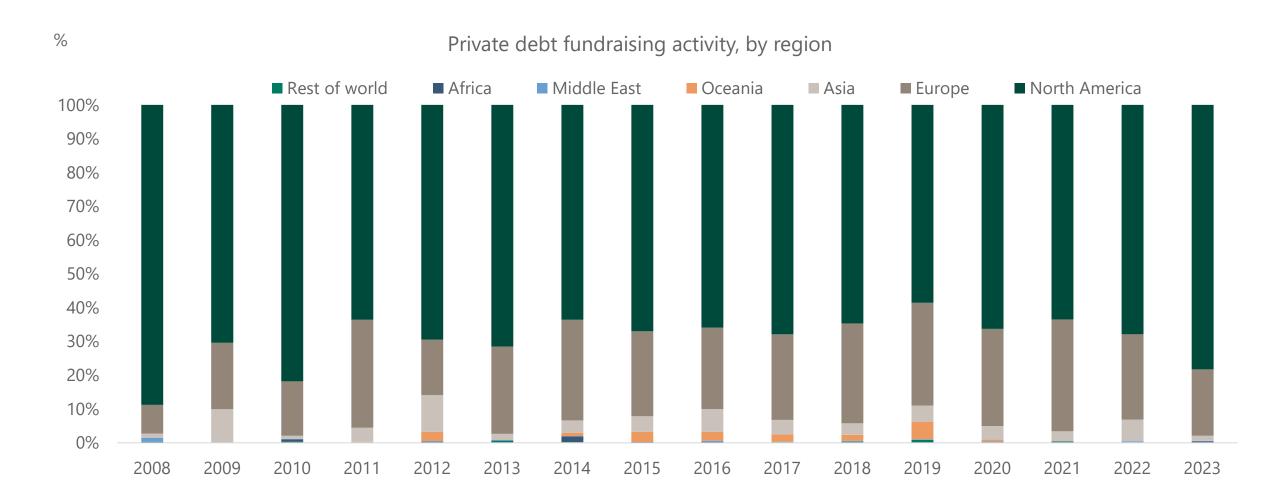
Private debt fundraising



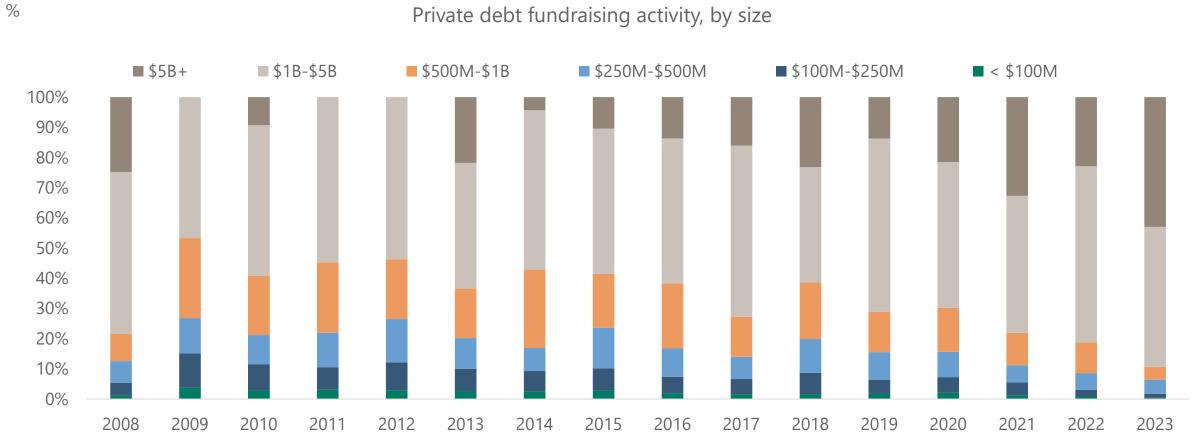
Private debt returns by strategy



Private debt fundraising activity, by region

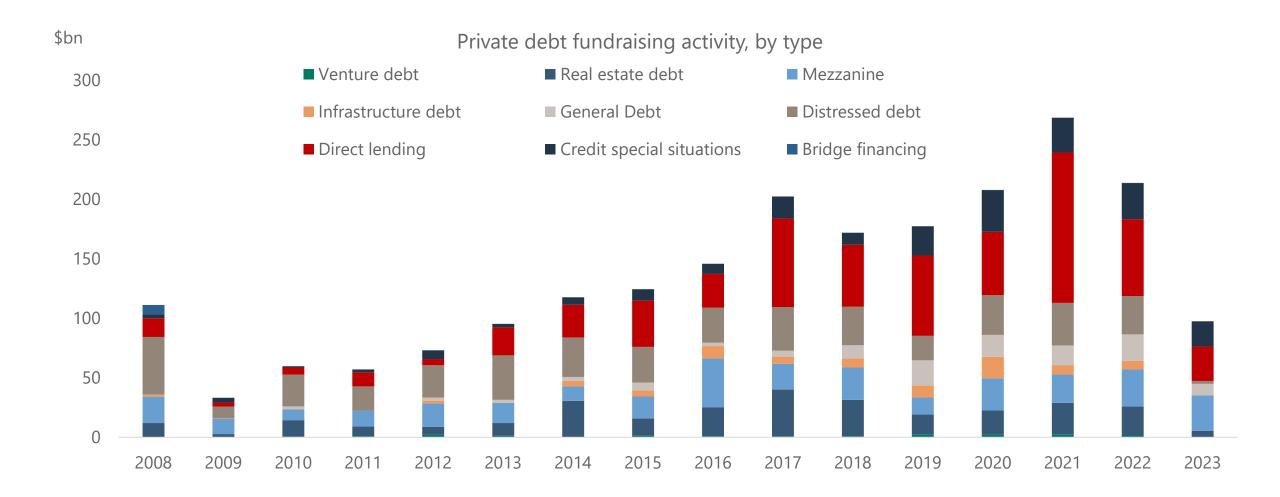


Private debt fundraising activity, by size



Private debt fundraising activity, by size

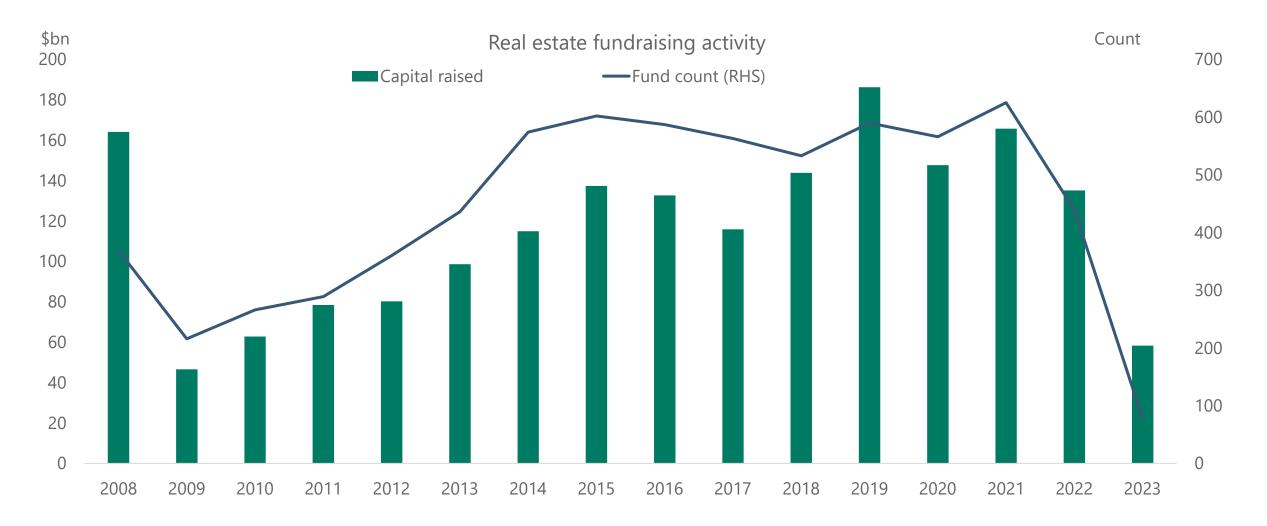
Private debt fundraising activity, by type



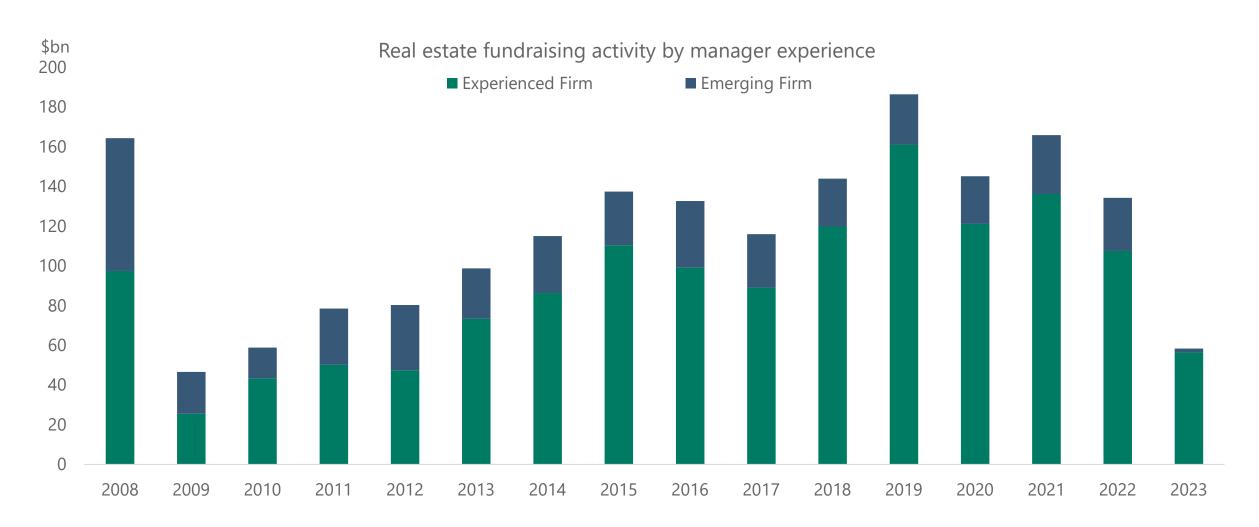
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Real estate

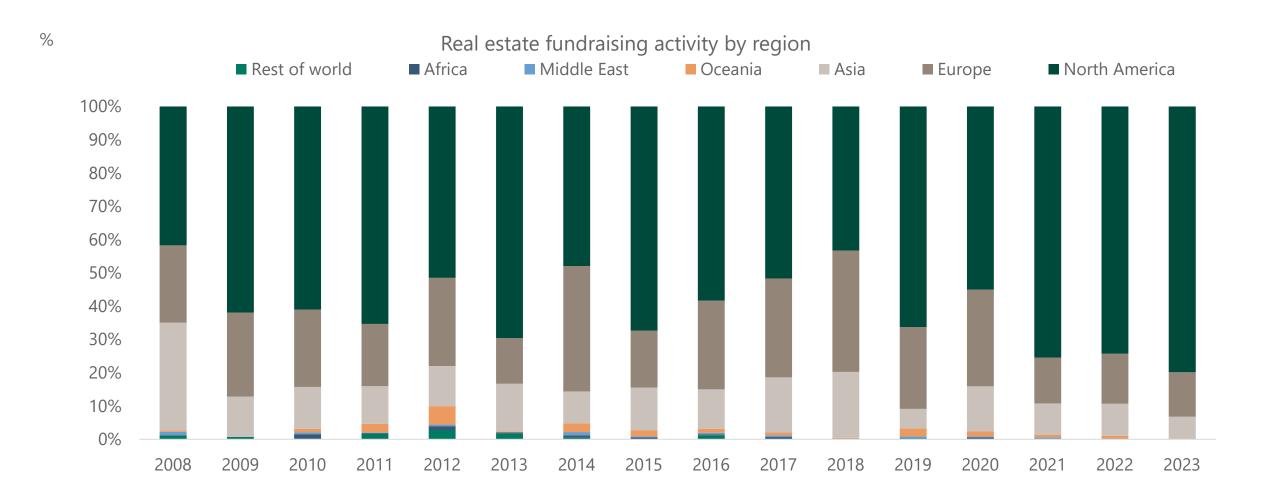
Real estate fundraising activity



Real estate fundraising led by experienced firms



80% of real estate fundraising is in North America



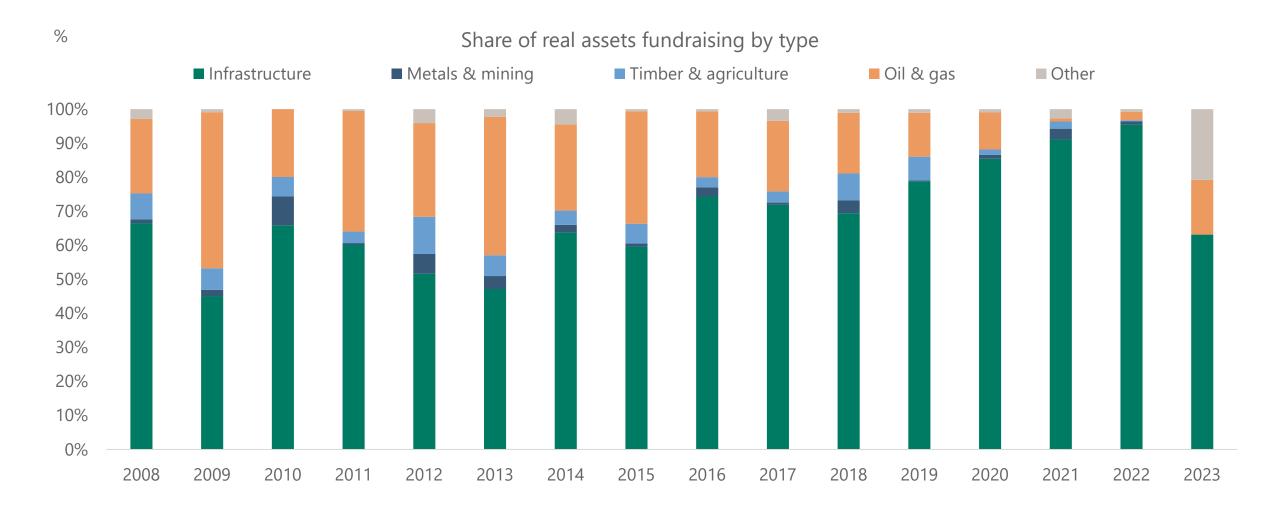
Real estate fundraising activity by type



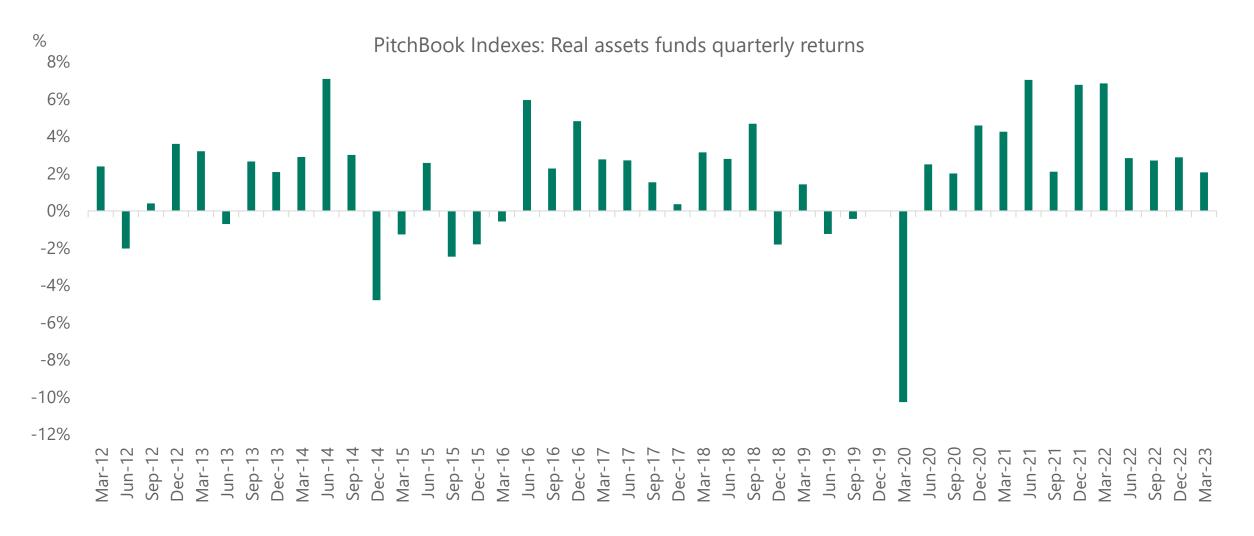
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Real assets

Real assets is mainly infrastructure



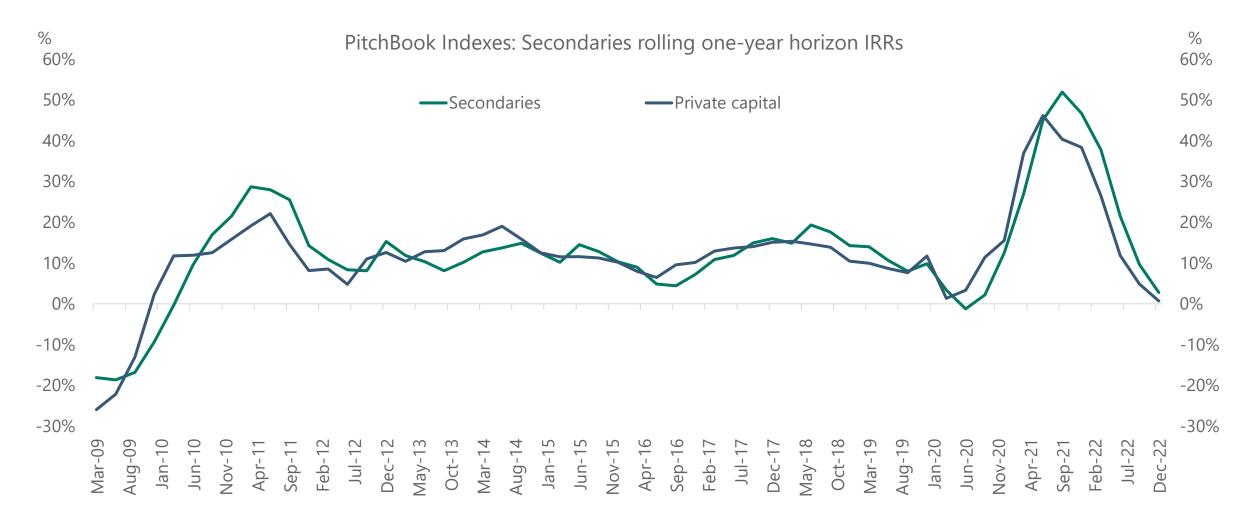
Real assets performance



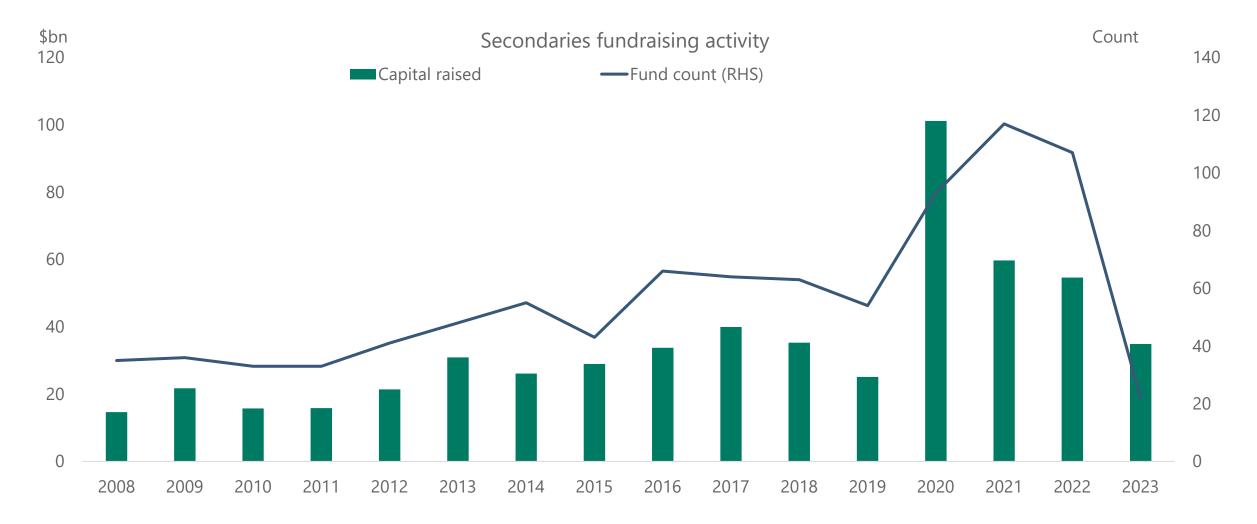
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Secondaries

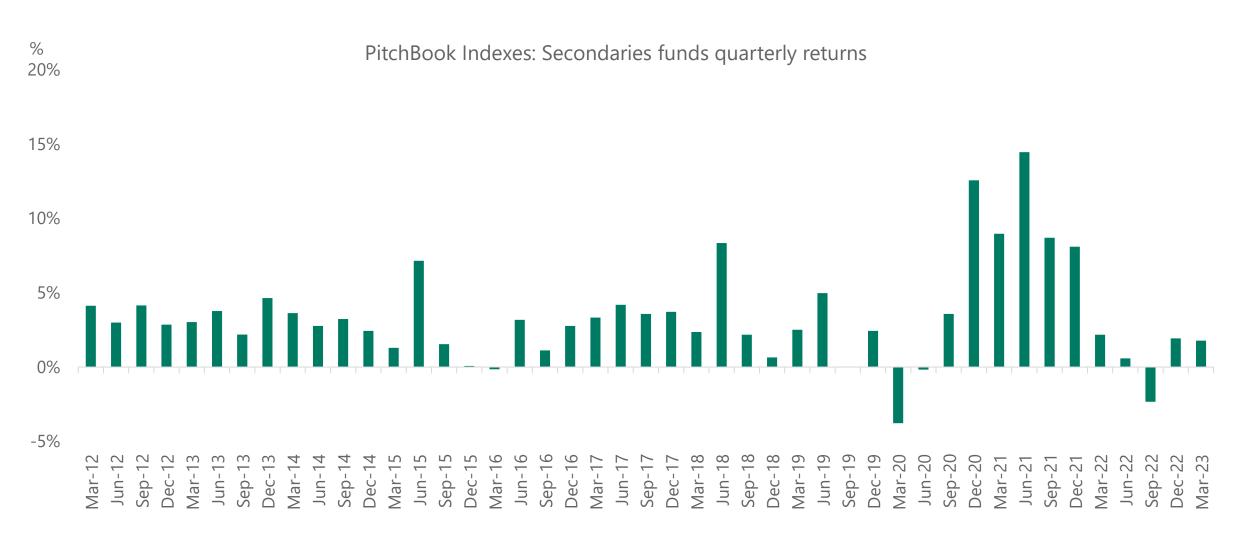
Secondaries performance



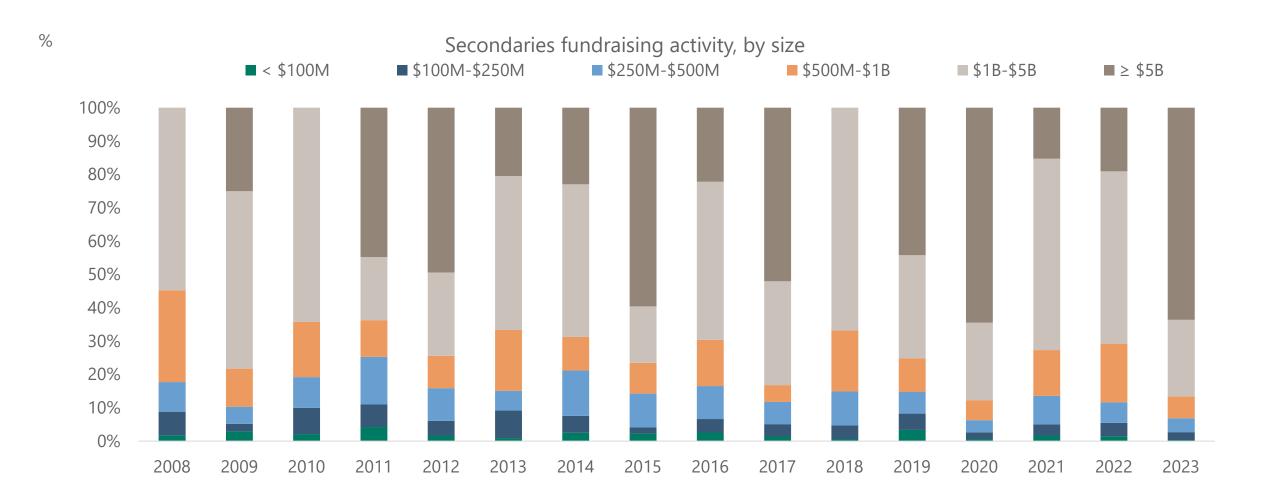
Secondaries fundraising activity



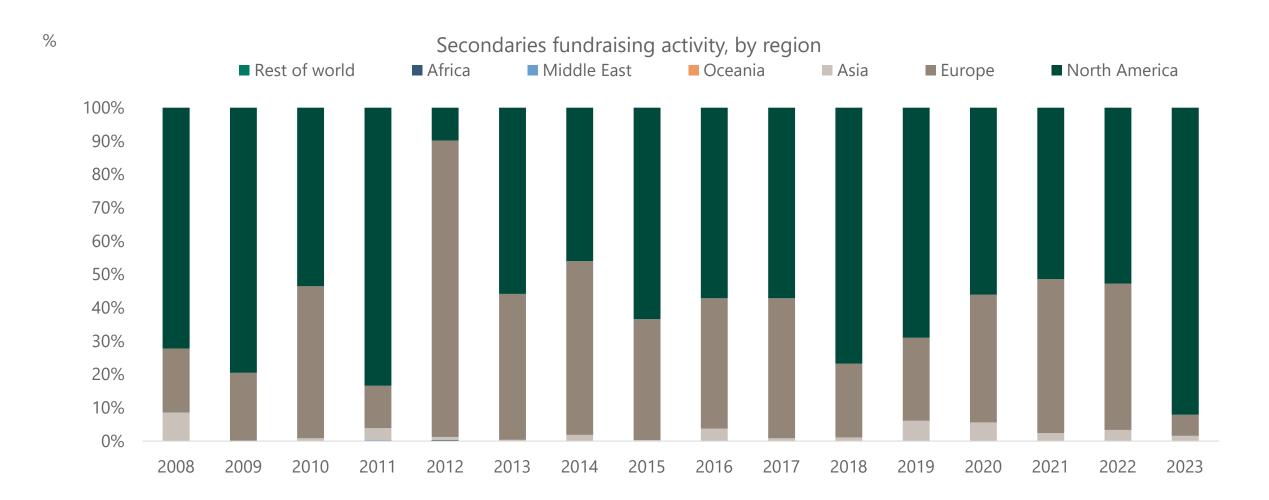
Secondaries quarterly returns



Secondaries fundraising activity, by size



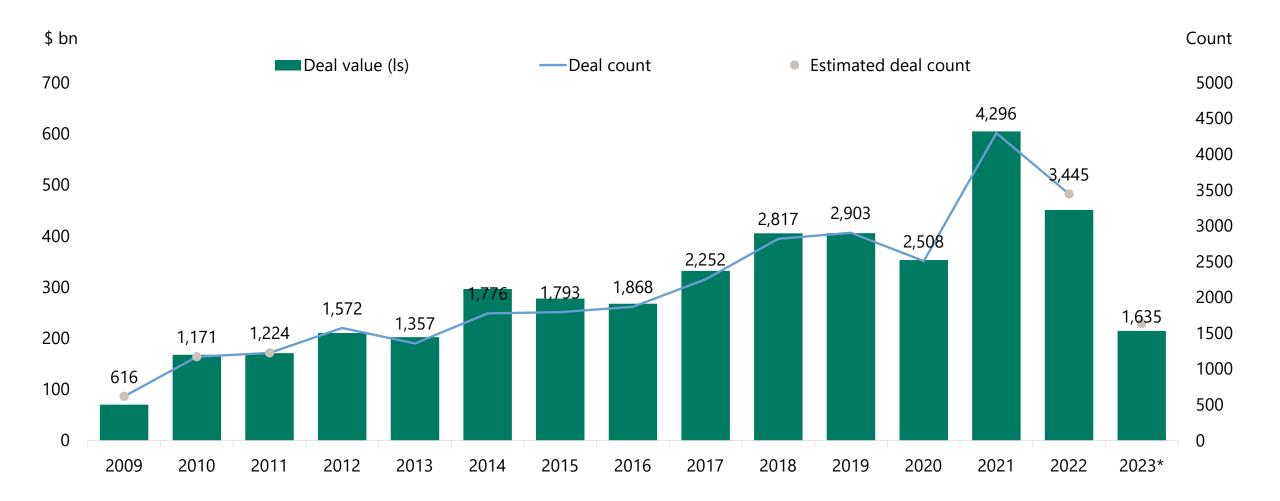
Secondaries fundraising activity, by region



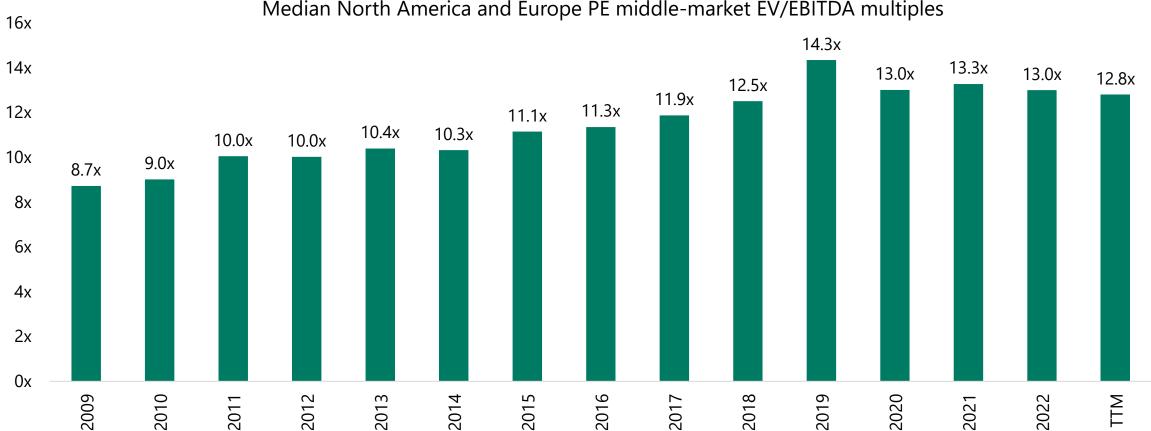
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Middle Market

US PE middle market deal activity

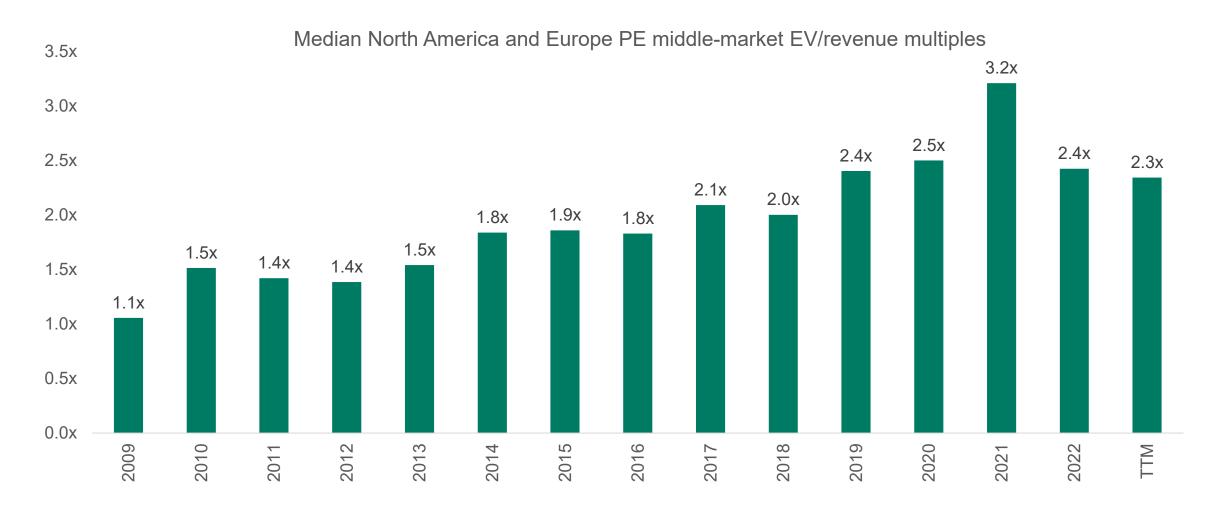


Median North America and Europe PE middle-market EV/EBITDA multiples

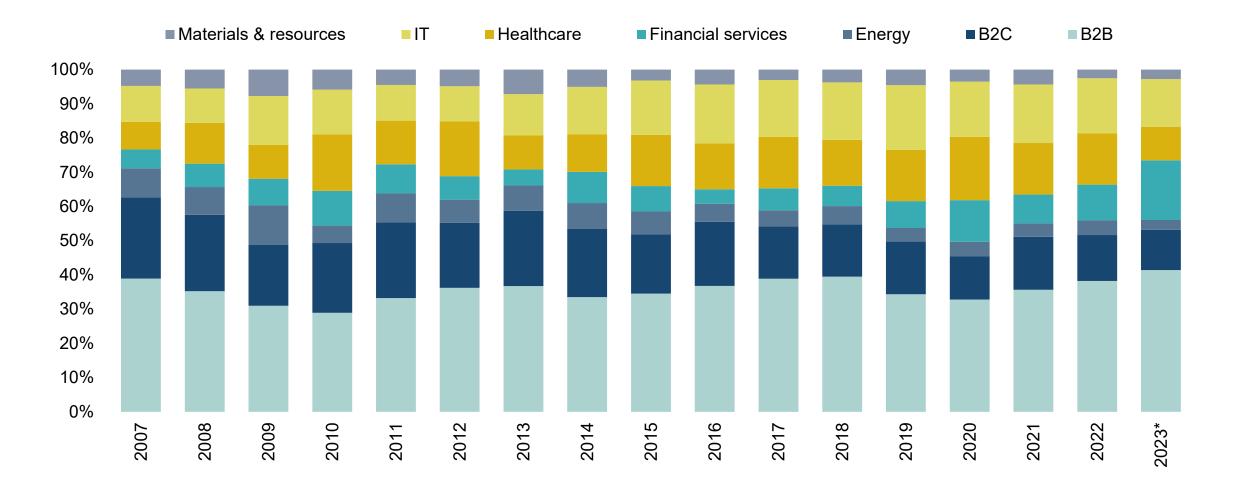


Median North America and Europe PE middle-market EV/EBITDA multiples

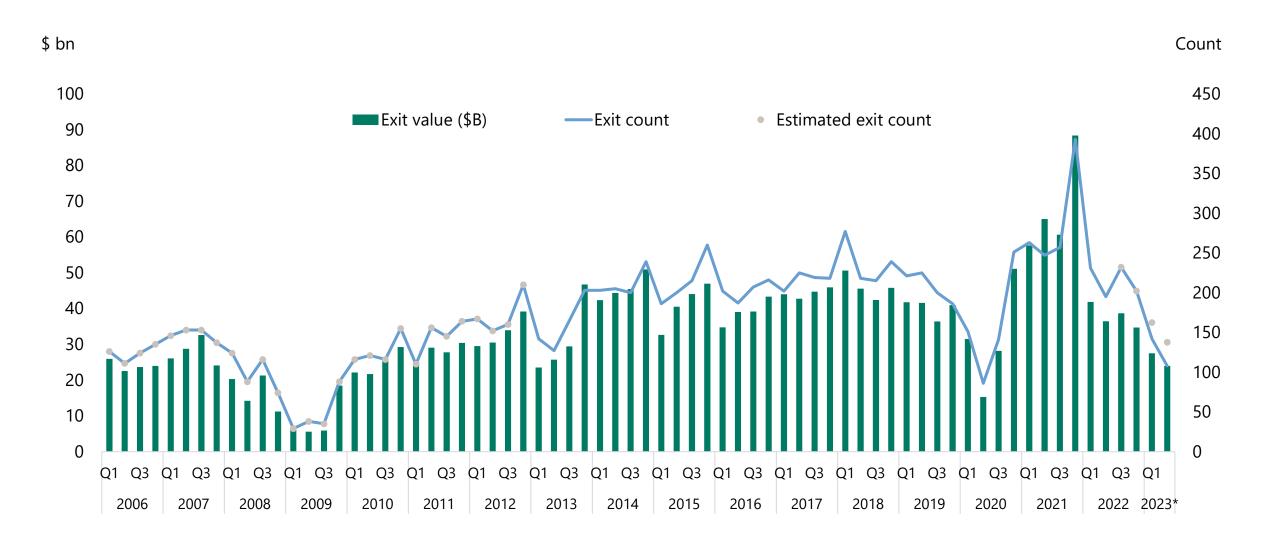
Median North America and Europe PE middle-market EV/revenue multiples



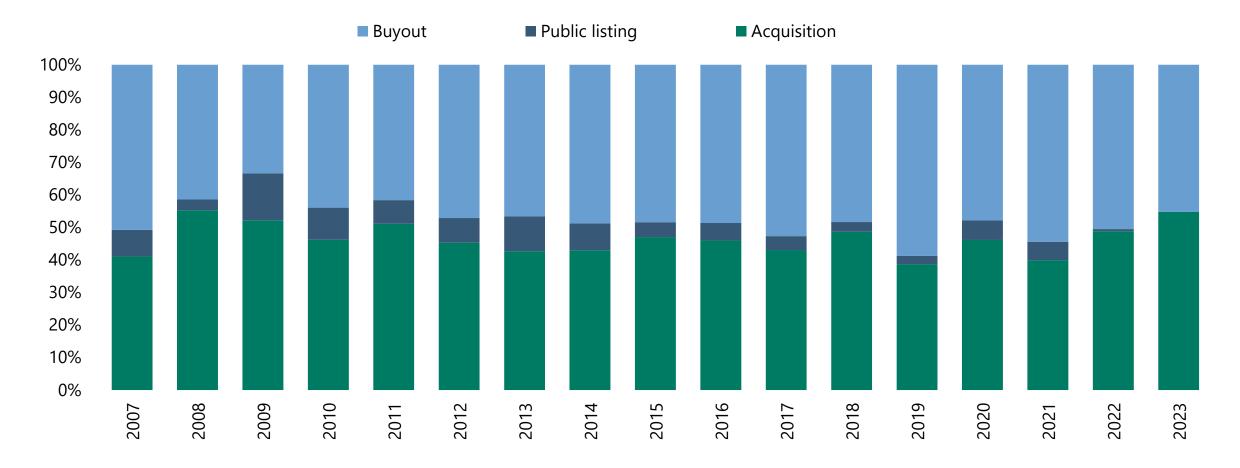
Share of US PE middle-market deal value by sector



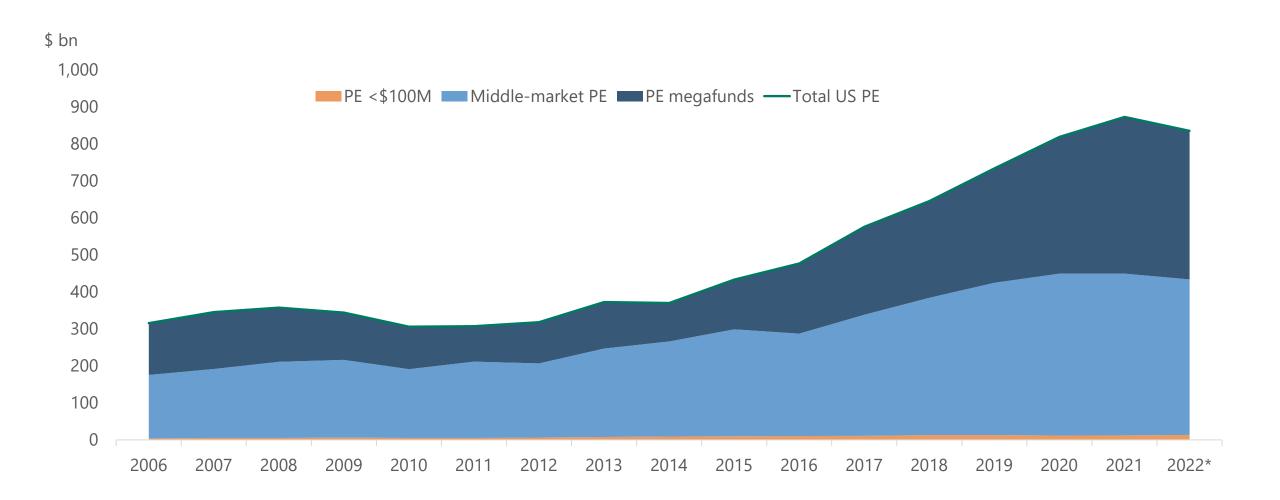
US PE middle-market exit activity by quarter



US PE middle-market exit value by type



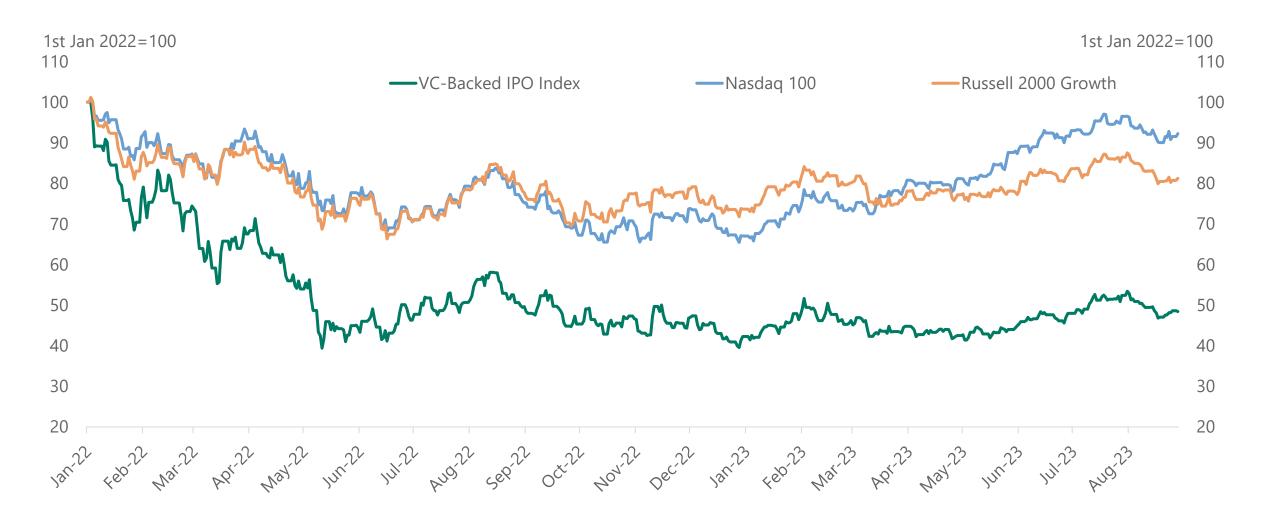
The composition of PE dry powder



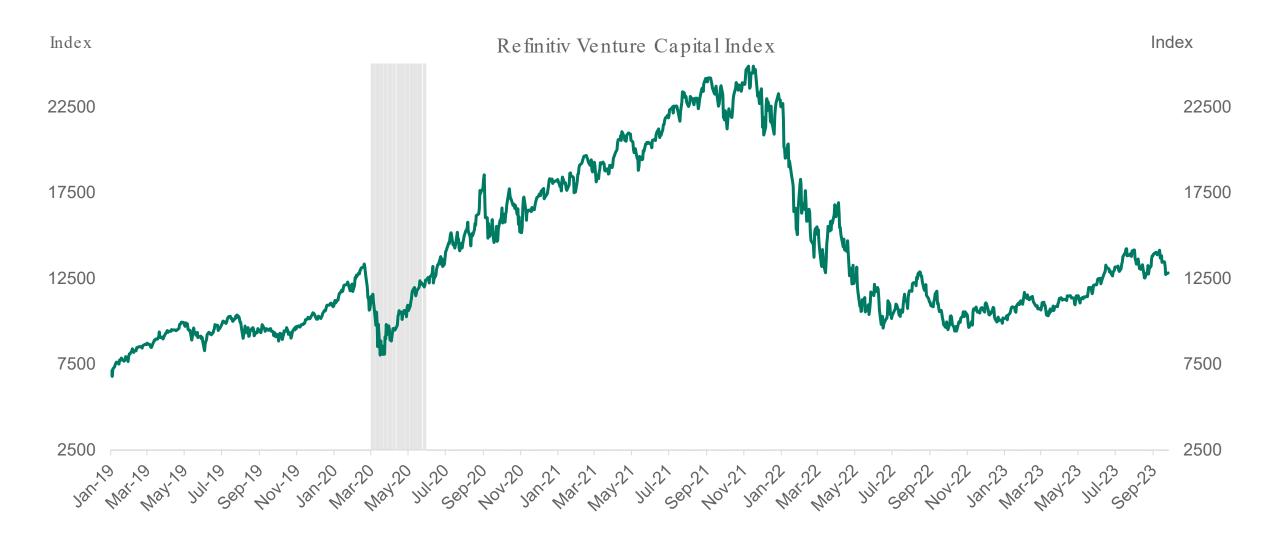
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Venture Capital

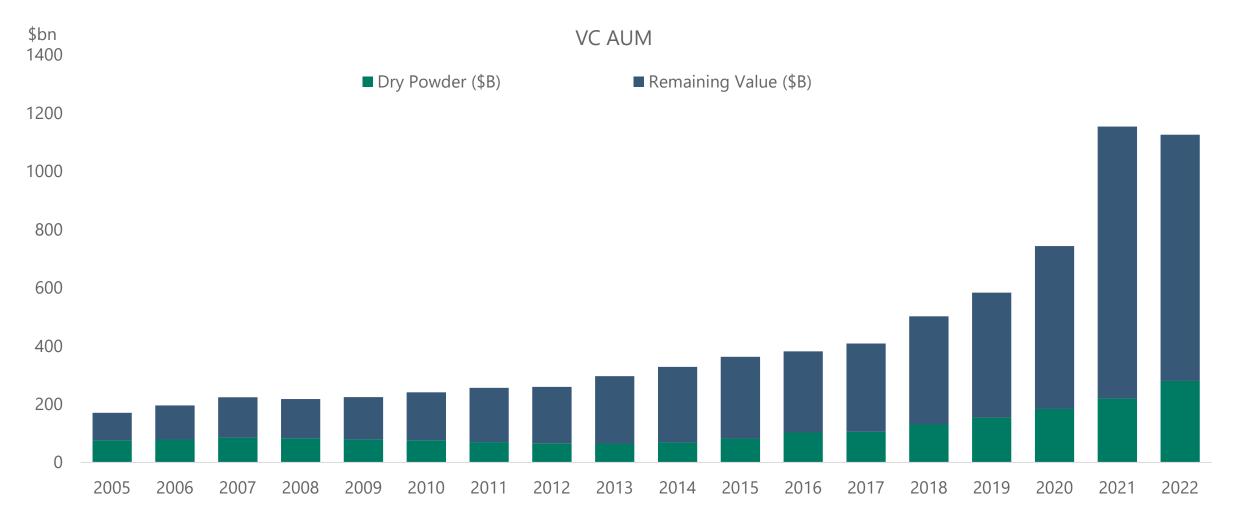
VC-backed IPOs are down 50%



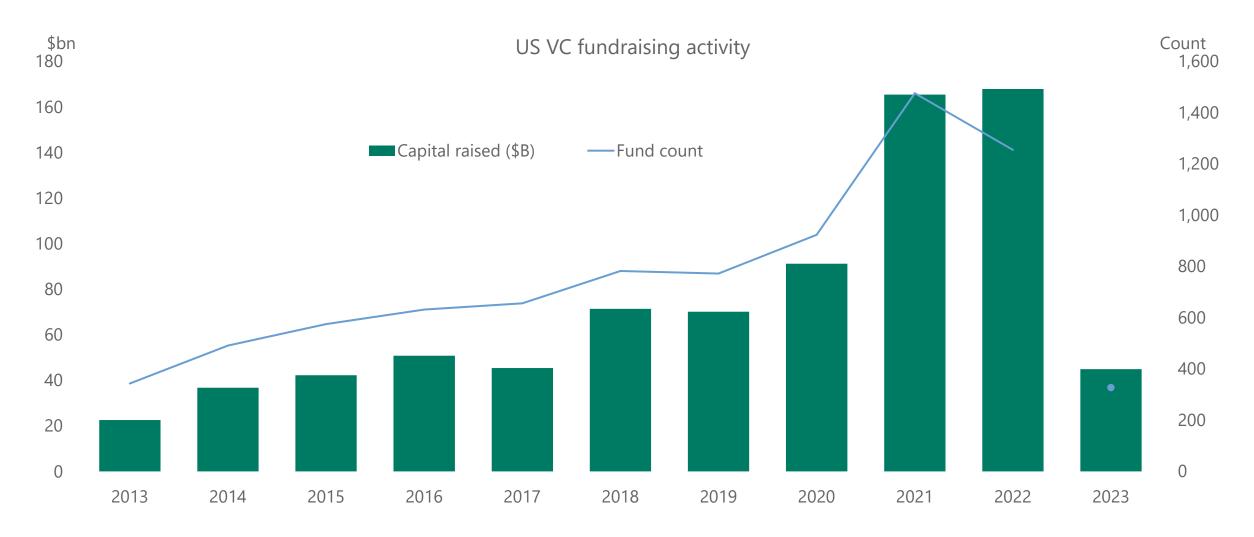
US venture capital valuations down 50% from the peak



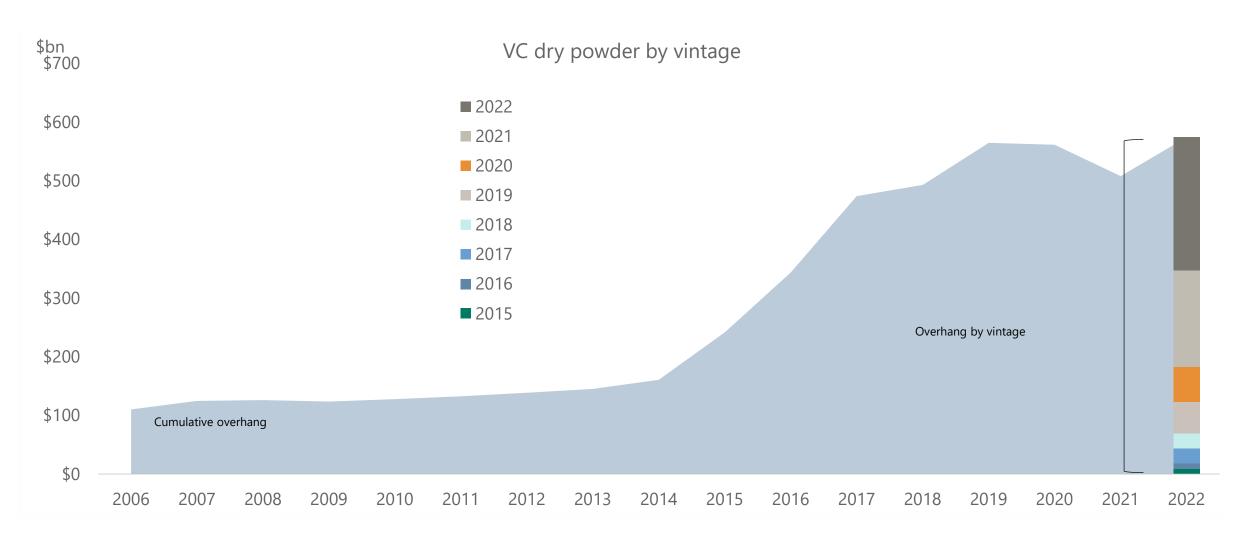
VC assets under management



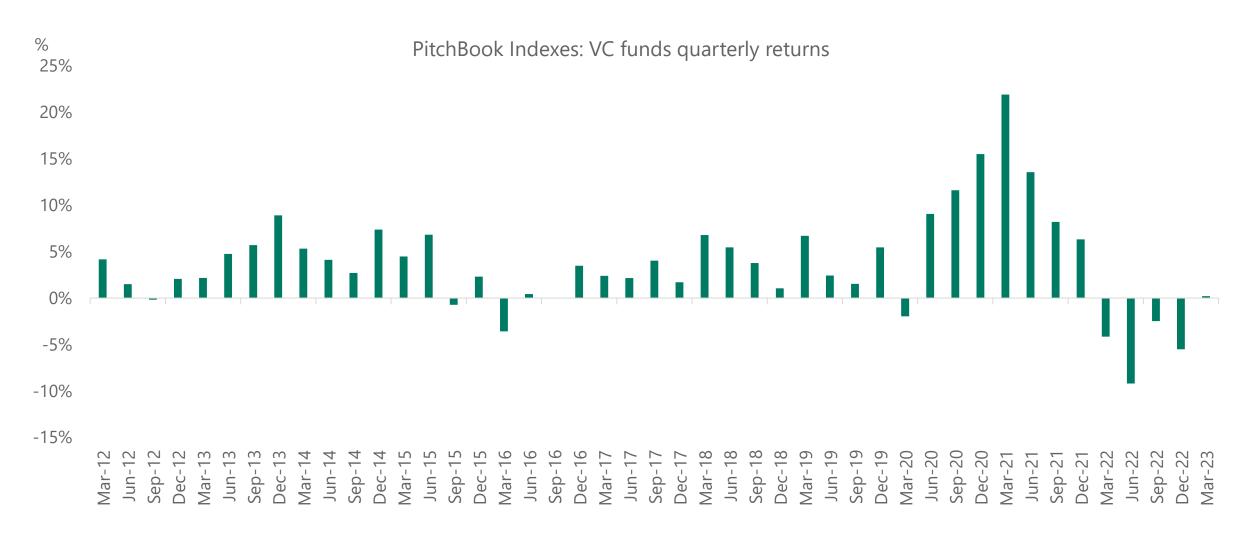
VC fundraising activity very weak



VC dry powder by vintage

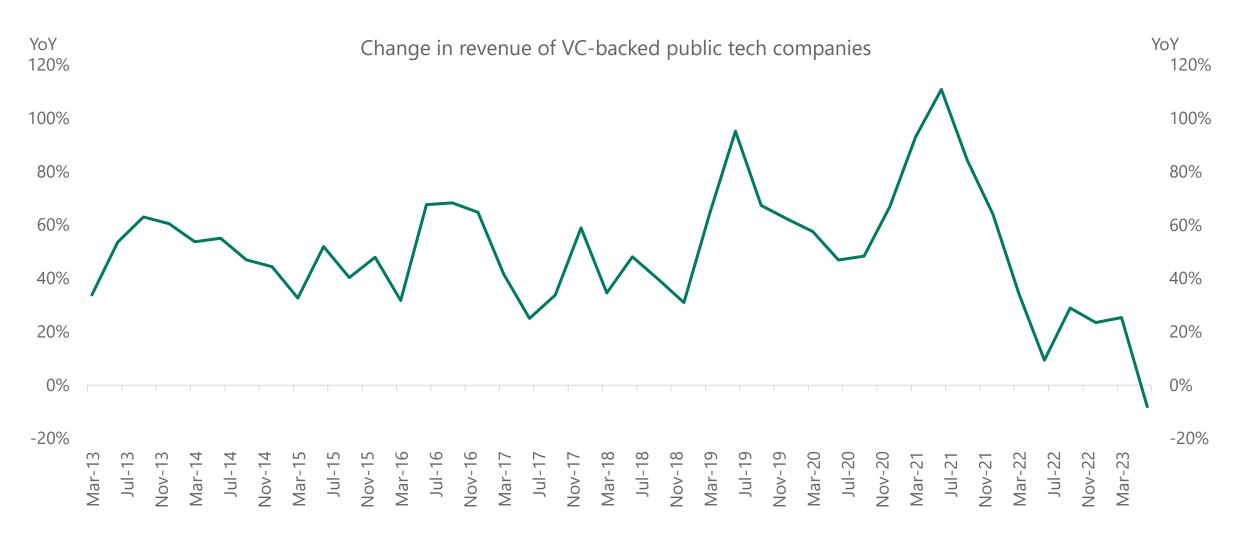


VC returns negative

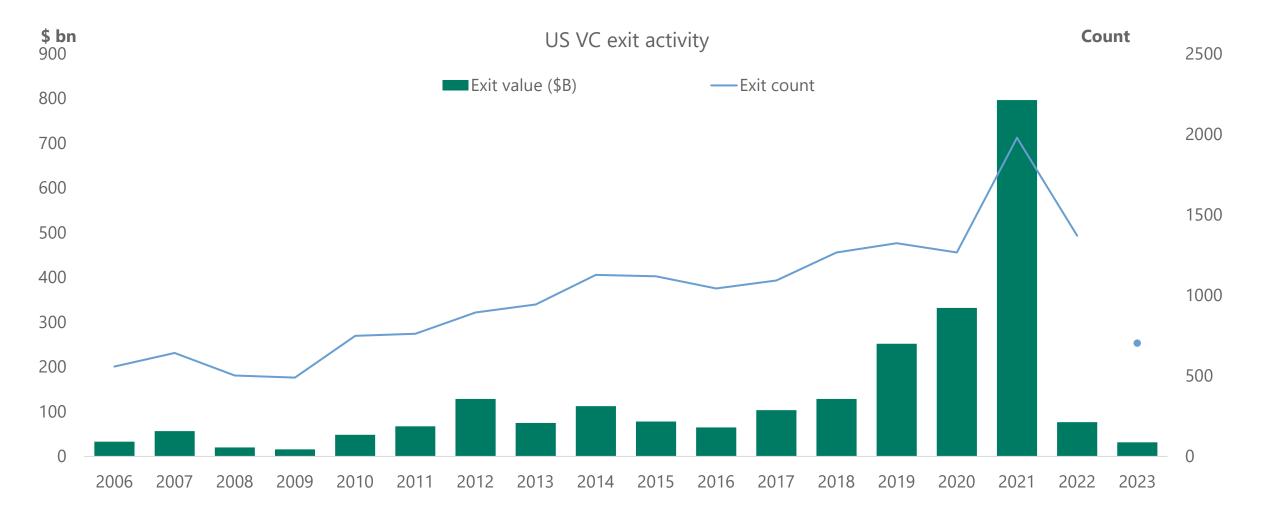


Source: Pitchbook, Apollo Chief Economist. Note: Q12023 preliminary figure

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

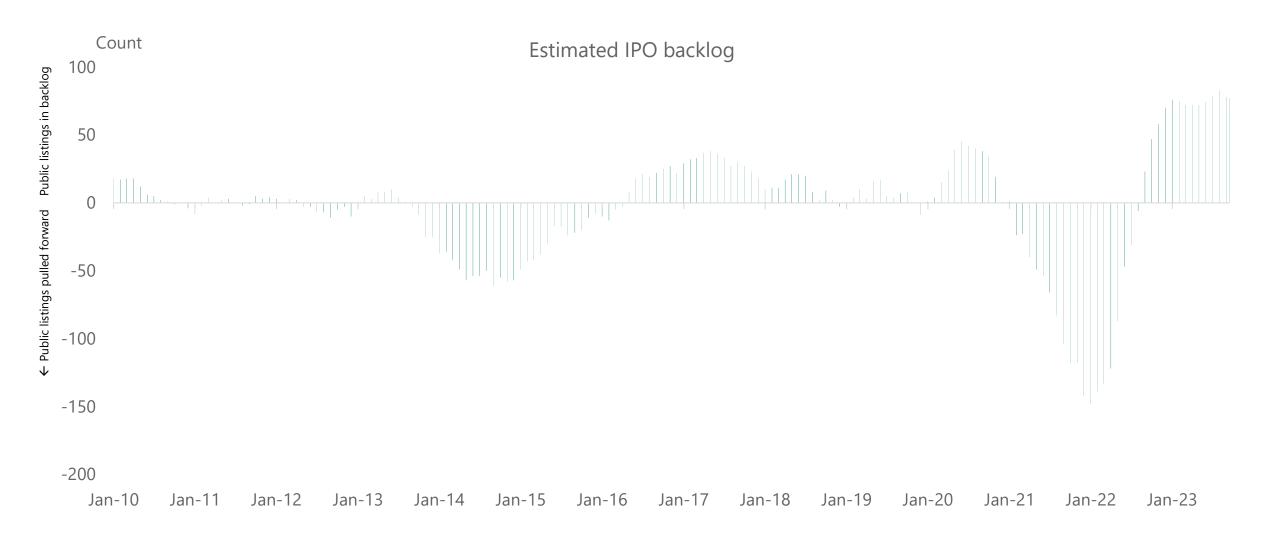


VC exit activity



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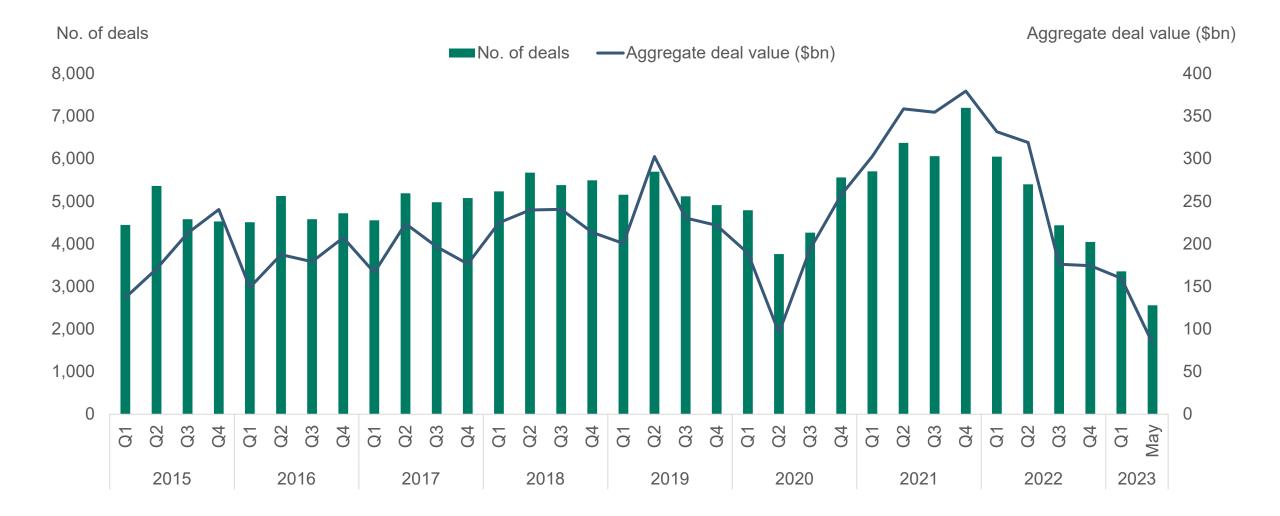
Backlog of VC-backed IPOs piling up



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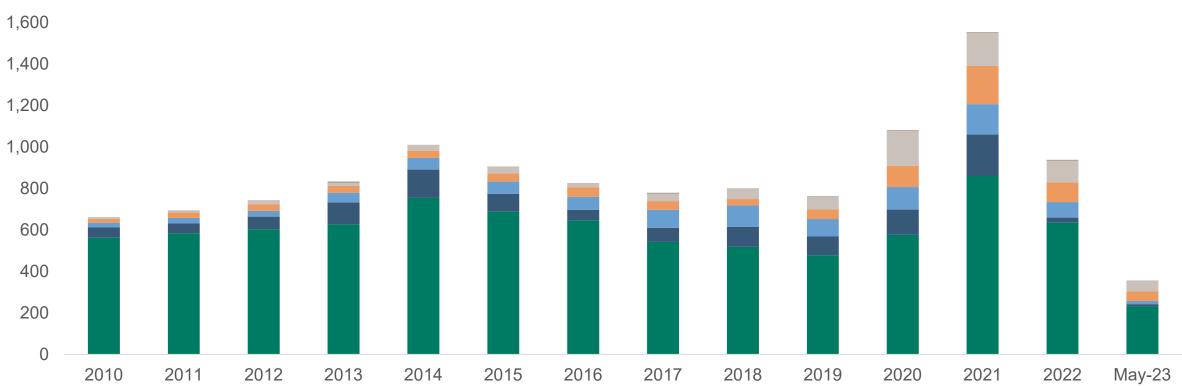
Recent LBO activity

Deal making slowing



Source: Preqin, Apollo Chief Economist



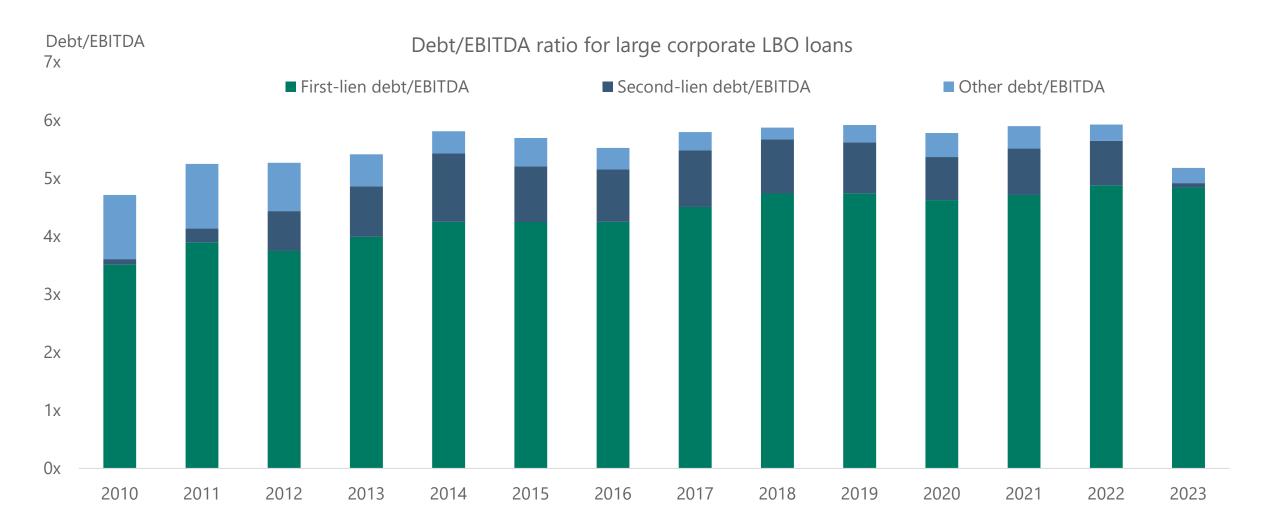


■Trade sale ■IPO ■Sale to GP ■Merger ■Private placement ■Sale to management

IPO activity

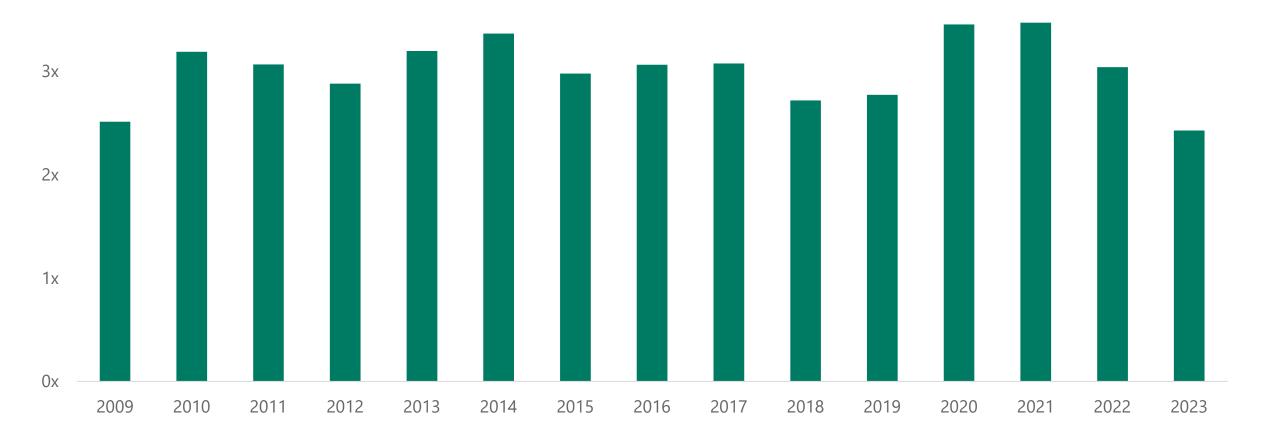
1,800

Leverage for large corporate LBOs has fallen

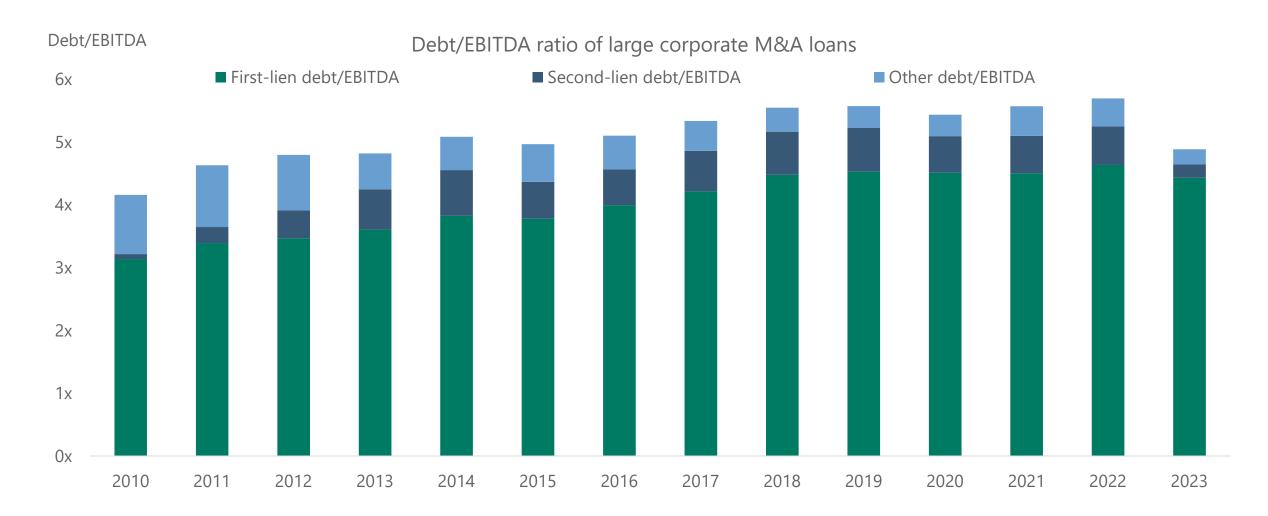


Interest coverage ratio for large corporate LBOs is declining

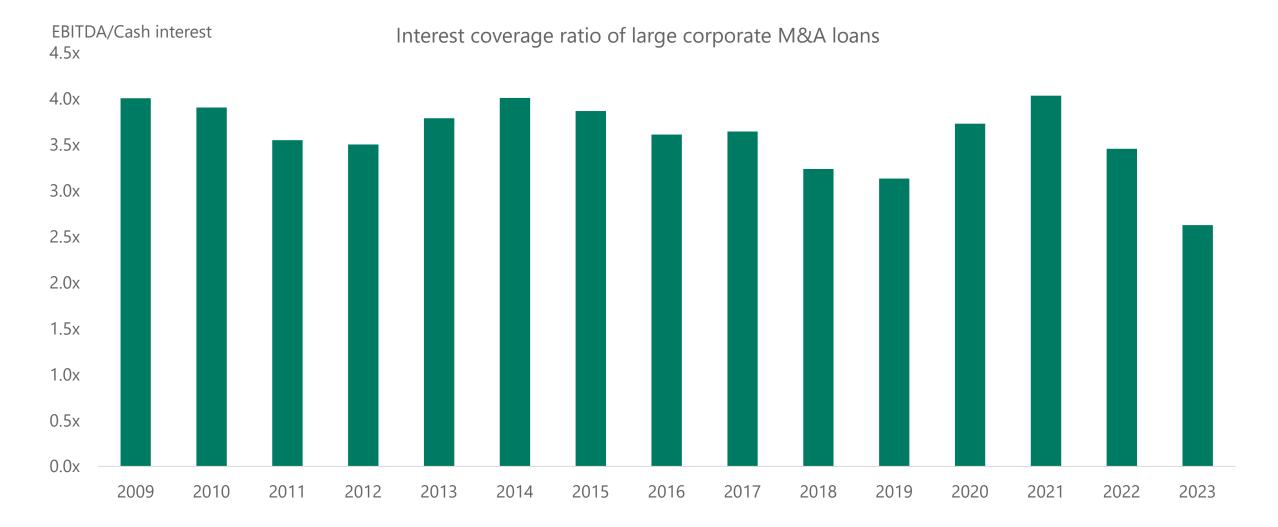
EBITDA/Cash interest 4x Interest coverage ratio of large corporate LBO loans



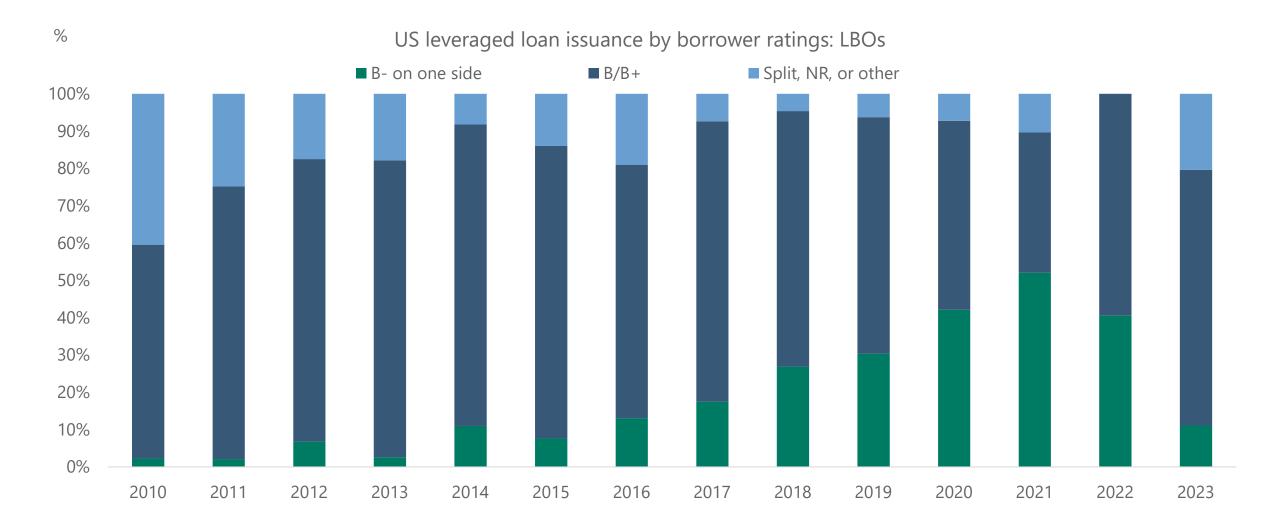
Leverage for large corporate M&A loans has also fallen



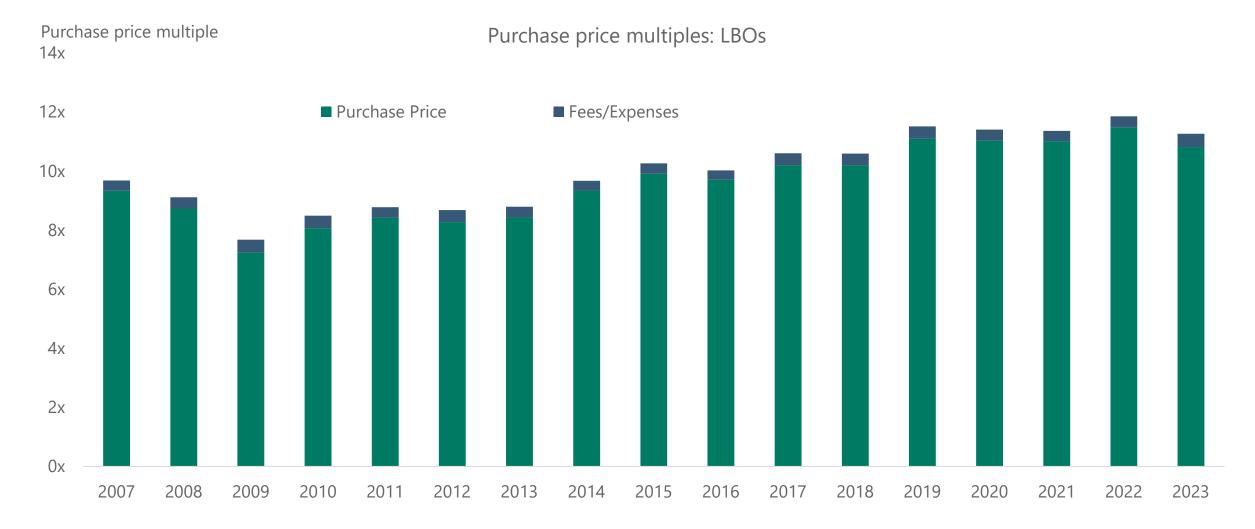
Interest coverage ratio for large corporate M&A loans also declining



LBO loan issuance by borrower rating



Purchase price multiples



High debt costs leading to high equity contributions



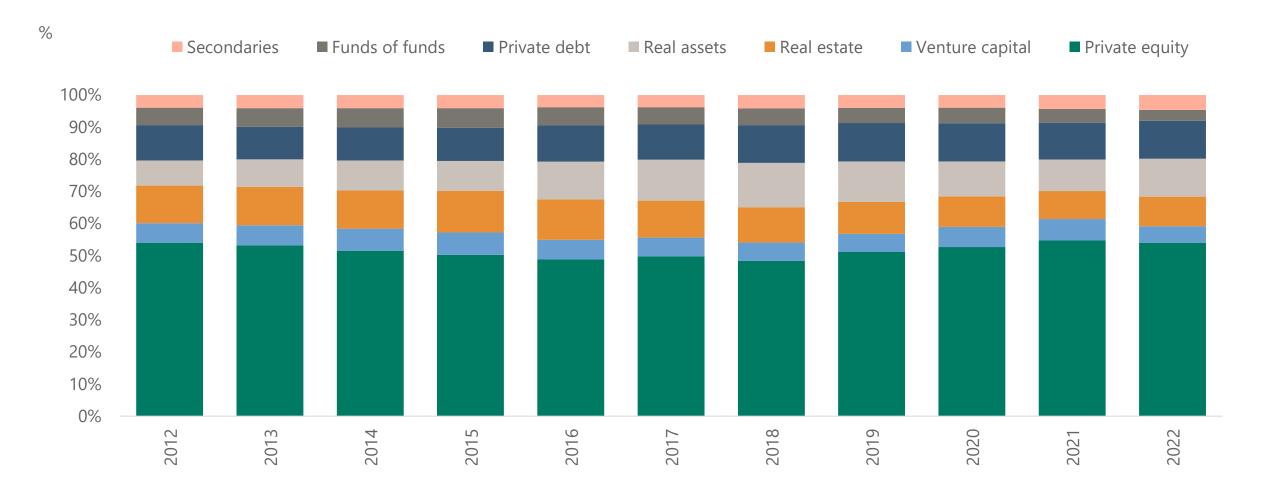
Average yield to maturity is above 11%



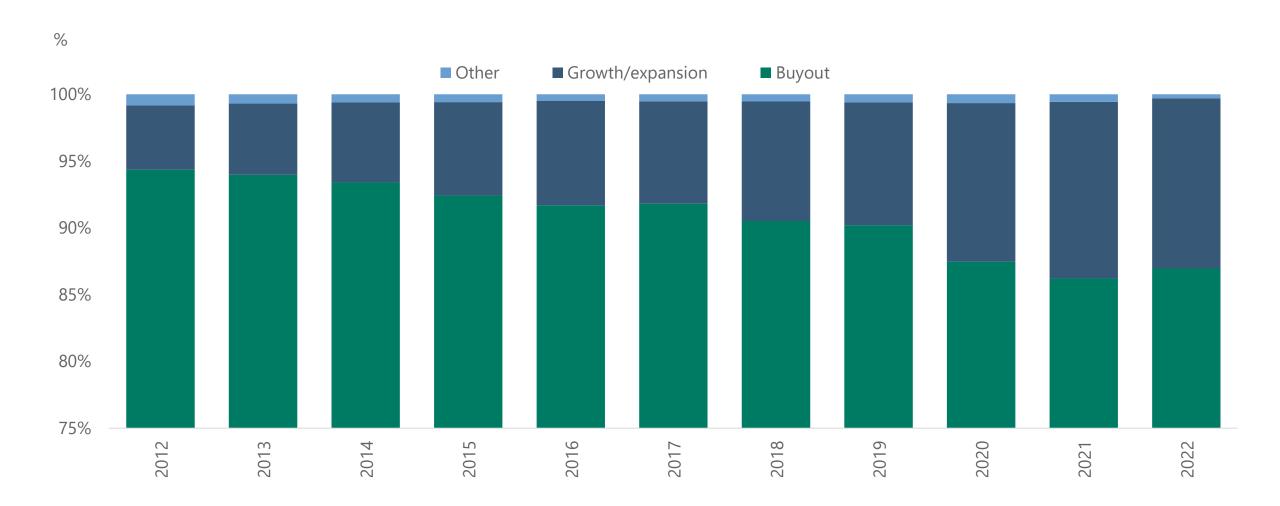
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Index weightings

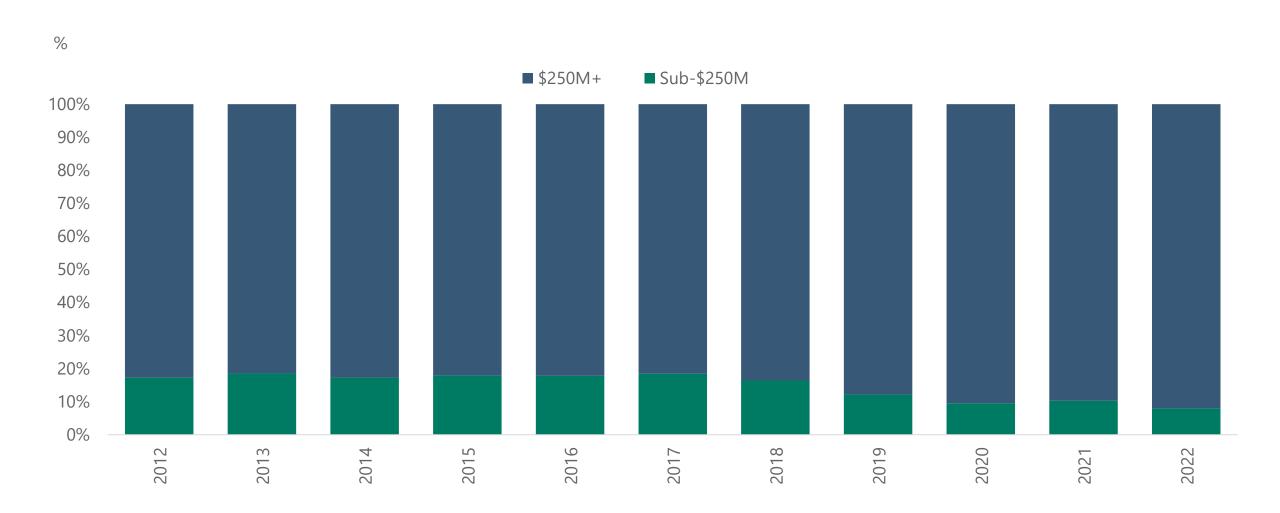
Private capital index weightings



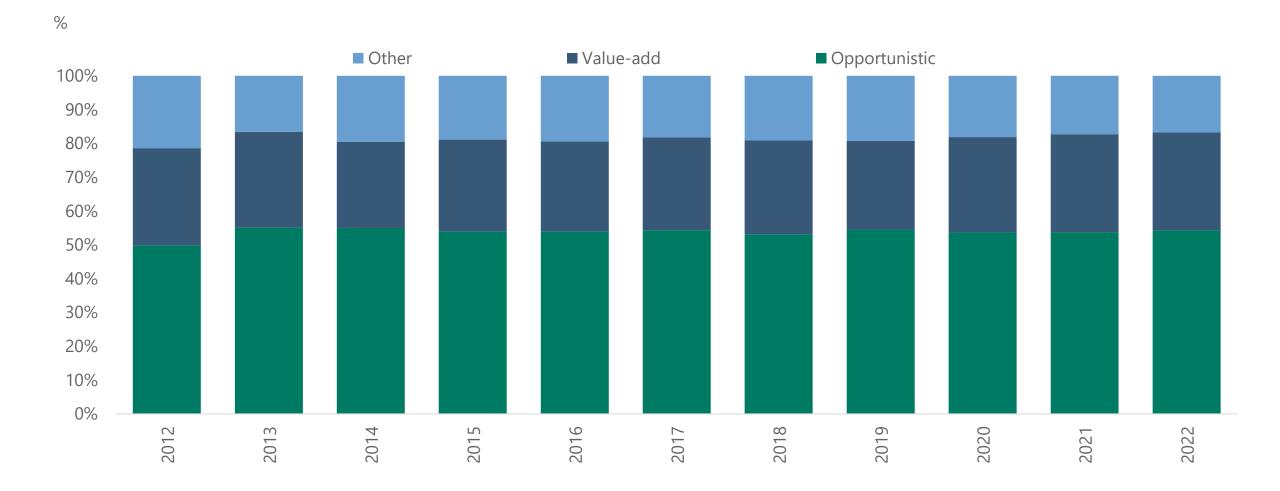
Private equity index weightings



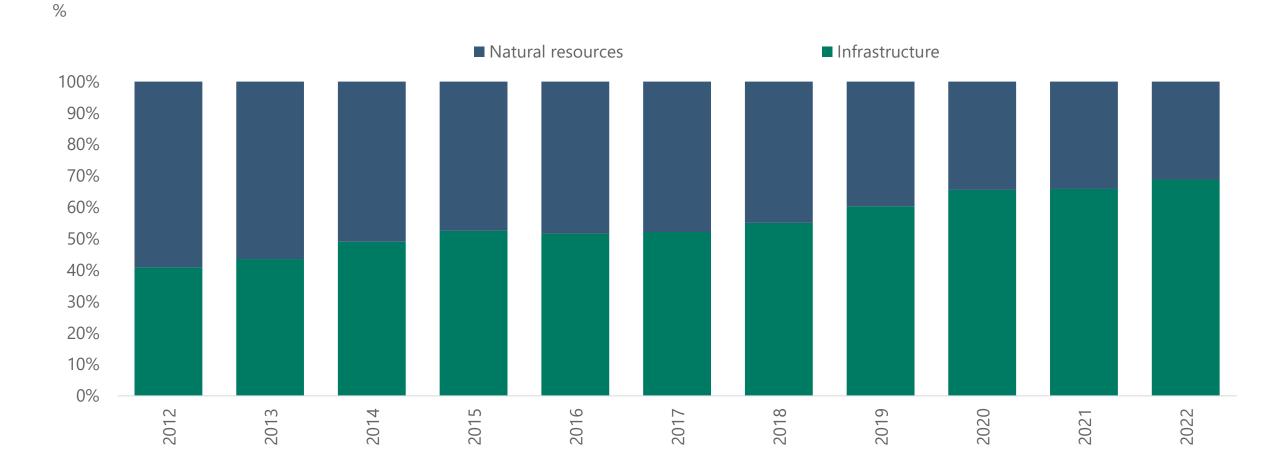
Venture capital index weightings



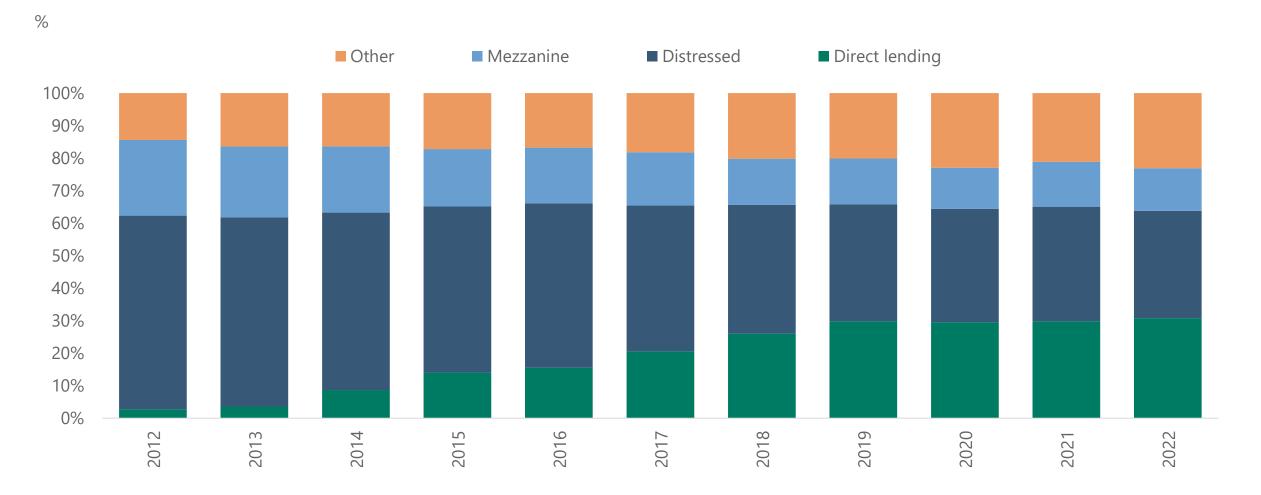
Real estate index weightings



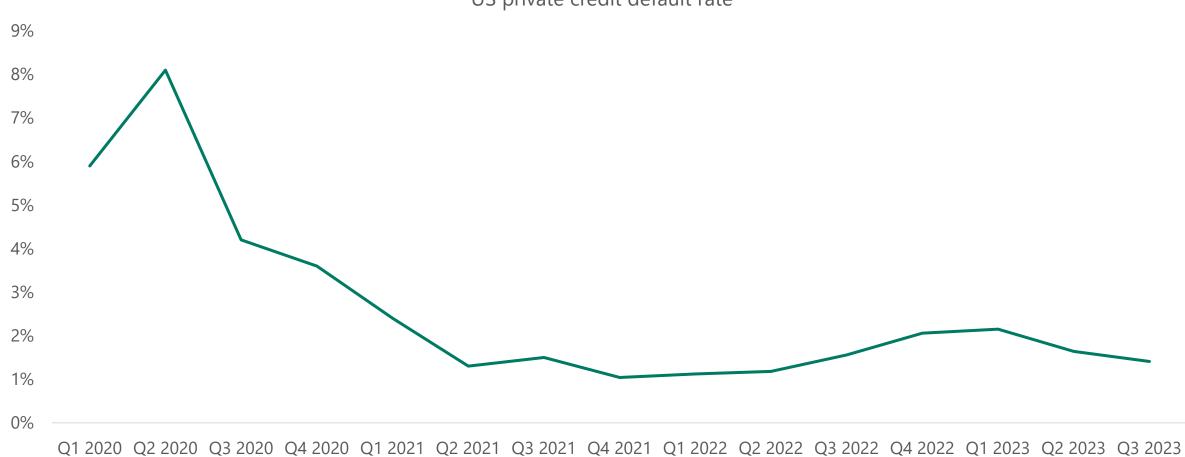
Real assets index weightings



Private debt index weightings

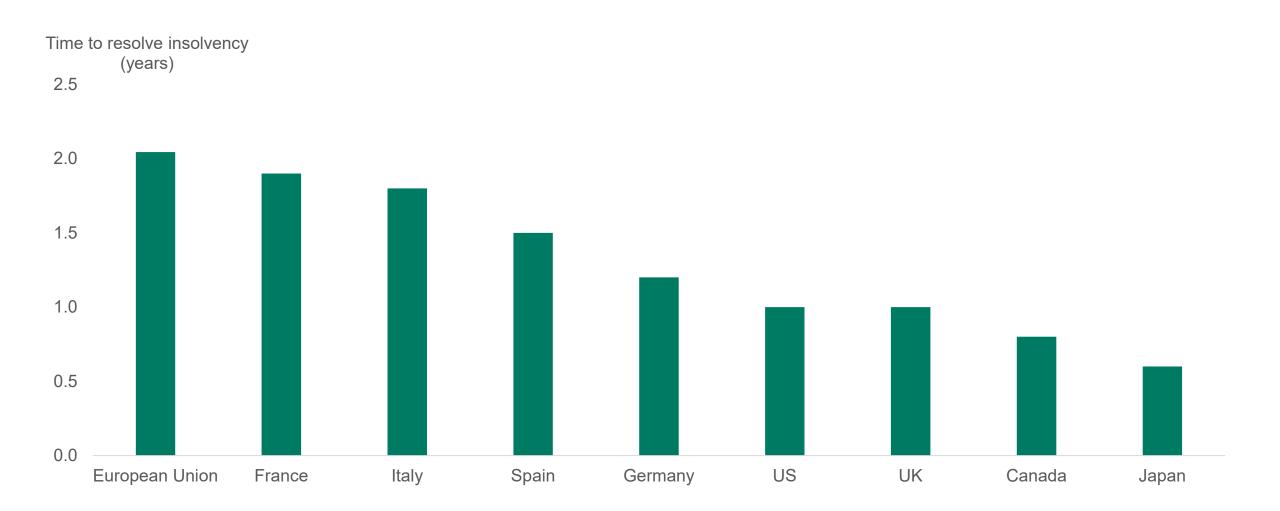


Private credit defaults rate declined



US private credit default rate

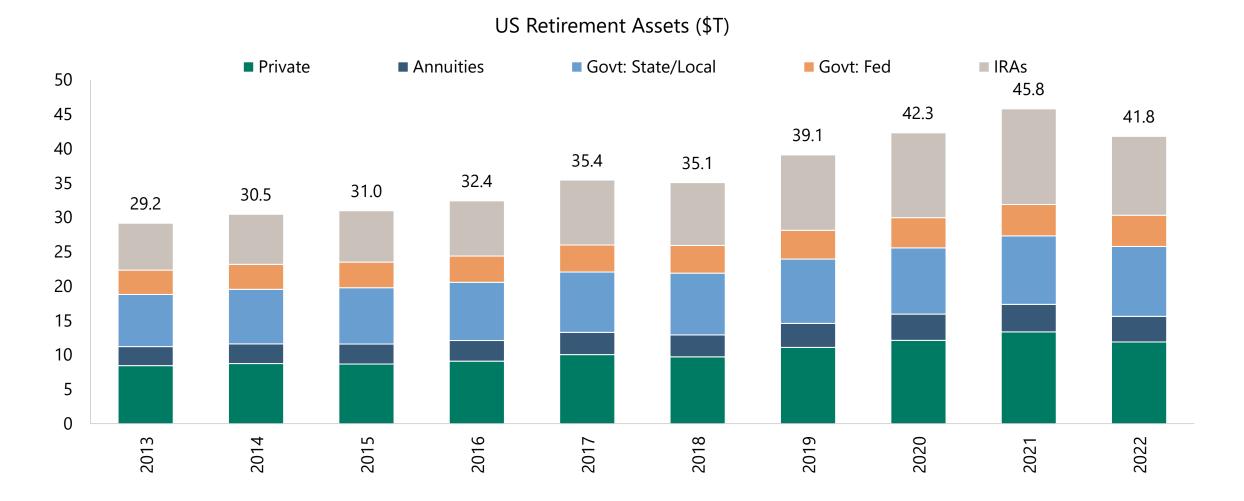
Time to resolve insolvency in 2019



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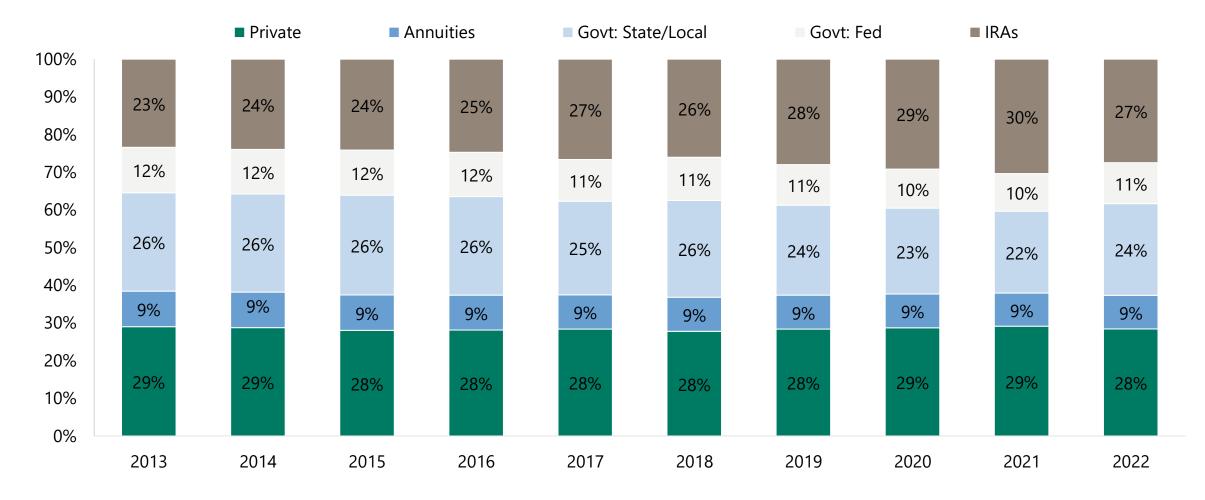
Retirement assets

The composition of US retirement assets



Source: SIFMA, Apollo Chief Economist

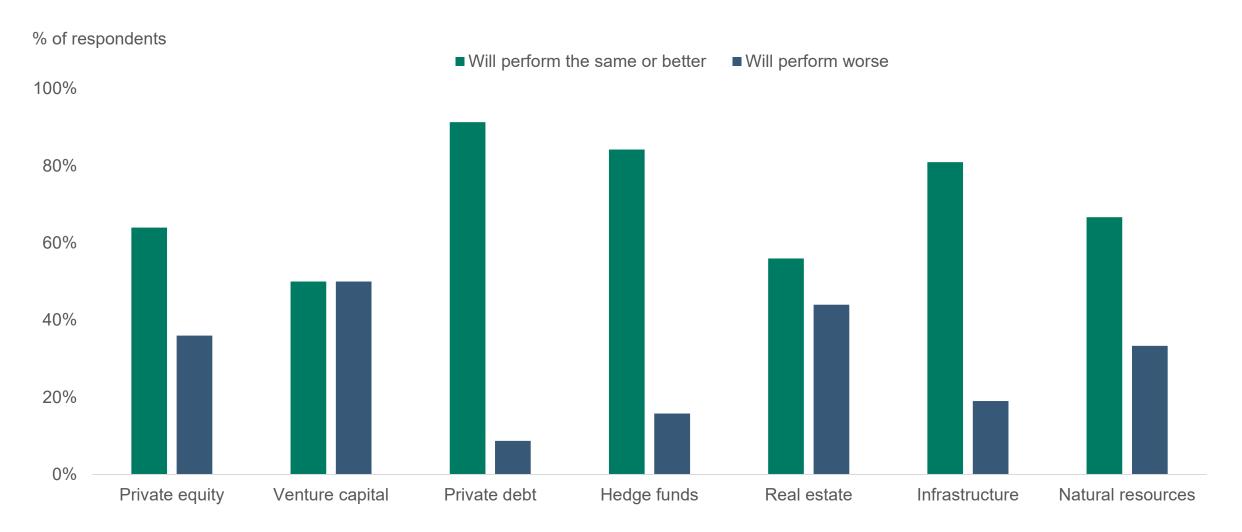
US retirement assets: % of total



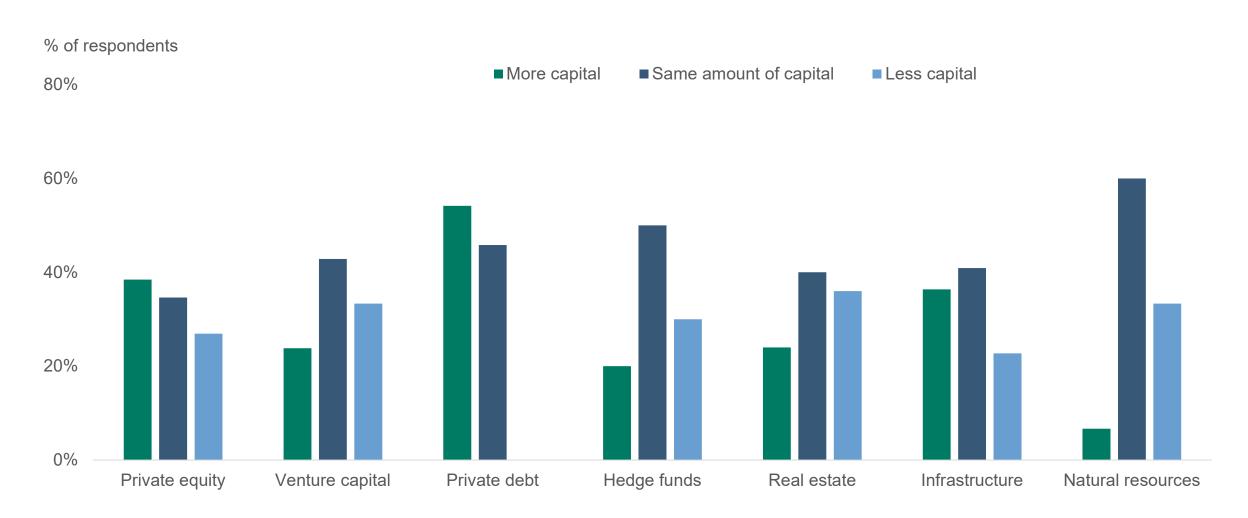
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Preqin survey of North-American investors

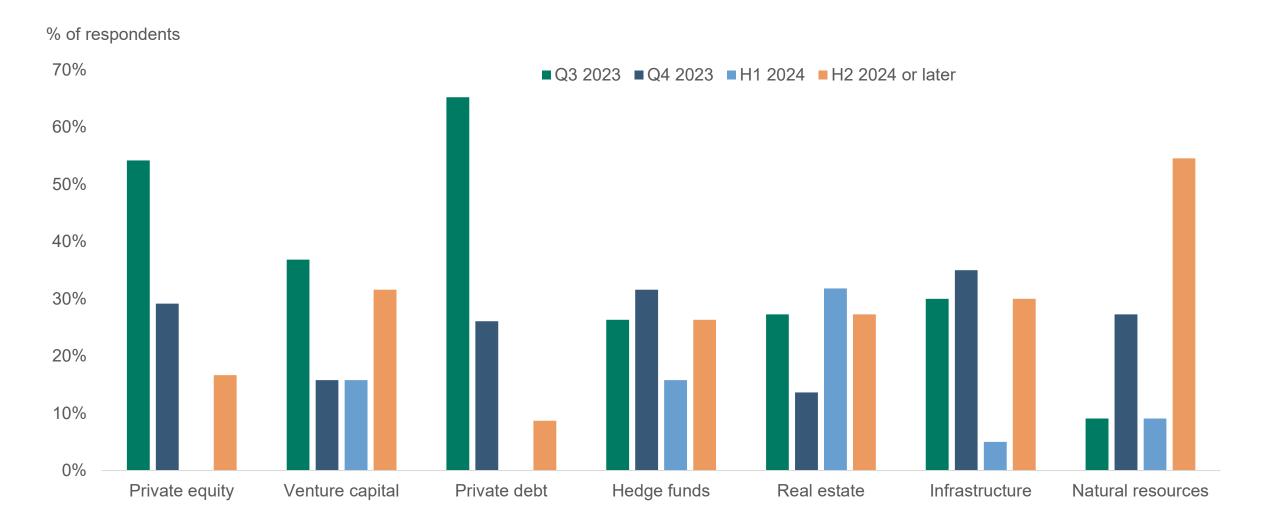
North America-based investors were asked: 'What are your return expectations in the coming year compared with the year before?'



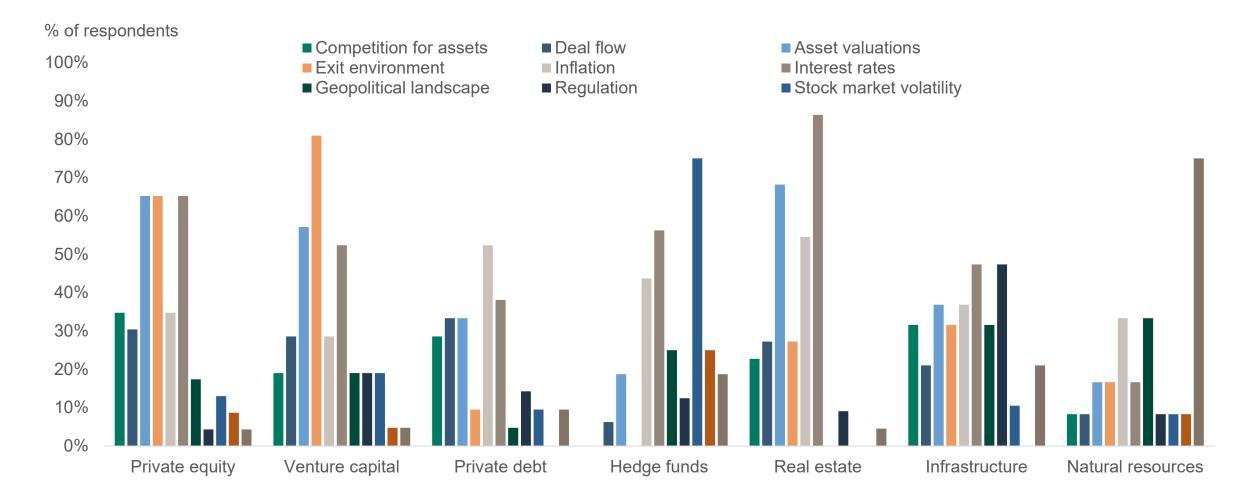
Investors were asked: 'What are your 12-month capital commitment plans?'



Investors were asked: 'When do you expect to make your next commitment?'



Investors were asked: 'What are the main challenges to returns in the next 12 months?'





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.