





PitchBook Benchmarks





Contents

Introduction	3	Real assets	32-38	
Methodology	4-5	IRRs by vintage	33-34	
Private capital	7-10	PMEs by vintage	35	
Horizon IRRs	8-9	Multiples by vintage	36-37	
One-year horizon IRRs	10	Quarterly return	38	
Private equity	11-17	Private debt	39-45	
IRRs by vintage	12-13	IRRs by vintage	40-41	
PMEs by vintage	14	PMEs by vintage	42	
Multiples by vintage	15-16	Multiples by vintage	43-44	
Quarterly return	17	Quarterly return	45	
Venture capital	18-24	Funds of funds	46-52	
IRRs by vintage	19-20	IRRs by vintage	47-48	
PMEs by vintage	21	PMEs by vintage	49	
Multiples by vintage	22-23	Multiples by vintage	50-51	
Quarterly return	24	Quarterly return	52	
Real estate	25-31	Secondaries	53-59	
IRRs by vintage	26-27	IRRs by vintage	54-55	
PMEs by vintage	28	PMEs by vintage	56	
Multiples by vintage	29-30	Multiples by vintage	57-58	
Quarterly return	31	Quarterly return	59	



Introduction

PitchBook Benchmarks aim to help both LPs and GPs better understand fund performance relative to broader asset classes and other private market strategies. We present performance through several lenses—including internal rates of return (IRRs) and cash multiples—to provide a holistic view for assessing performance within and between strategies, as well as across vintage years. Furthermore, the returns of private market funds are measured relative to easily accessible public market substitutes using a public market equivalent (PME) metric.

We have expanded PitchBook Benchmarks to include additional slices based on fund strategy and geography, enabling performance comparisons with more representative peer groups. We include dedicated PitchBook Benchmarks for North America, Europe, private equity, venture capital, real estate, real assets, private debt, funds of funds, and secondaries. To easily access the supporting data in this PDF, be sure to download the accompanying Excel data packs.

As transparency is fundamental to our benchmarking efforts, subscribers to the PitchBook Platform can use the data packs to gain direct access to all the underlying funds and performance metrics used to calculate our Benchmarks.

Commitment pacing and cash flow models are available in the Portfolio Forecasting tool in the PitchBook Platform.

PitchBook clients have access to all the underlying funds as well as additional benchmarking analysis using the Custom Benchmarks Tool.

Additional PitchBook research specific to fund returns can be found in our Fund Performance Evaluation analyst workspace.

Our goal is to provide the most transparent, comprehensive, and useful fund performance data for private market professionals. We hope that our Benchmarks prove useful in your practice, and we welcome any and all feedback that may arise as you make your way through our various benchmark groupings. Should there be any additional benchmark categories or data points you would like to see included in the future, please contact us directly at <u>benchmarks@pitchbook.com</u>.

Clients can access additional data and vintage years in the Excel data packs:

Global	<u>Europe</u>	North America	<u>Private equity</u>		
<u>Venture capital</u>	<u>Real estate</u>	<u>Real assets</u>	<u>Private debt</u>		
Funds of funds	<u>Secondaries</u>				

Additional PitchBook Benchmark PDFs:

<u>Global</u>	<u>Europe</u>	North America	Private equity	
<u>Venture capital</u>	Real estate	<u>Real assets</u>	Private debt	
Funds of funds	<u>Secondaries</u>			



Methodology

Fund classifications

Private equity

Buyout Growth/expansion Restructuring/turnaround Diversified PE

Venture capital

Real estate

Real estate core Real estate core plus Real estate value added Real estate opportunistic Real estate distressed

Real assets

Infrastructure core Infrastructure core plus Infrastructure value added Infrastructure opportunistic Infrastructure greenfield Oil & gas Timber Metals/mining Agriculture

Private debt

Direct lending Bridge financing Distressed debt Credit special situations Infrastructure debt Venture debt Real estate debt Mezzanine

Funds of funds

Secondaries

Note: Benchmark reports prior to the Q4 2021 release included mezzanine under private equity.

Data composition

PitchBook's fund returns data is sourced primarily from individual LP reports, serving as the baseline for our estimates of activity across an entire fund. For any given fund, return profiles will vary for LPs due to a range of factors, including fee discounts, timing of commitments, and inclusion of co-investments. This granularity of LP-reported returns—all available on the PitchBook Platform—provides helpful insight to industry practitioners but results in discrepancies that must be addressed when calculating fund-level returns.

To be included in pooled calculations, a fund must have: (i) at least one LP report within two years of the fund's vintage, and (ii) LP reports in at least 45% of applicable reporting periods. To mitigate discrepancies among multiple LPs reporting, the PitchBook Benchmarks (iii) determine returns for each fund based on data from all LP reports in a given period. For periods that lack an LP report, (iv) a straight-line interpolation calculation is used to populate the missing data; interpolated data is used for approximately 10% of reporting periods, a figure that has been steadily declining.

Beginning with the PitchBook Benchmarks with data as of Q4 2019, we expanded our dataset to include funds with a reported IRR, even if the fund's cash flow data does not meet the pooled calculation criteria. In our Q2 2021 report, we made additional improvements to the inclusion criteria for reported IRRs, which caused some shifts in vintage year data counts compared with prior iterations.

Due to lag in reporting for some funds and liquidation causing older funds to no longer report returns, we will pull forward cash multiples and IRR information from previous quarters under the following stipulations: (i) We extend cash multiples and IRR after five years since fund inception if reported NAV was less than 5% of commitments. (ii) If NAV is unknown or is greater than 5% after five years, we extend cash multiples and IRR if the fund is older than eight years as of the last known data. (iii) For funds that are less than five years or are less than eight years with NAV greater than 5%, we extend cash multiples and IRRs from the prior quarter if available.

We strive to maintain consistency from edition to edition of PitchBook Benchmarks, but fund classifications will change occasionally, and new funds will be incorporated into the dataset as we gather more information.

All returns data in this report is net of fees and carry.

Definitions and calculation methodologies

Fund count: Represents how many funds are included in a given sample. Note that some funds in our dataset have a reported IRR but lack sufficient cash flow information to be included in pooled calculations.

Median calculations: Shows the middle data point for a sample group.



Public market index returns: For instances where the return of a public market index is cited, we have calculated the annualized return for the given period. All public indexes are total return and denominated in US dollars.

Standard deviation: Calculates the dispersion of reported IRRs for a given peer group using the sample-based standard deviation methodology.

Vintage year: Vintage year is the year in which a fund makes its first investment by delivering capital to a project or company. When we cannot confirm the year of first investment, the year of the fund's final close is used as the vintage year.

Internal rate of return (IRR): IRR represents the rate at which a historical series of cash flows are discounted so that the net present value of the cash flows equals zero. For pooled calculations, any remaining unrealized value in the fund is treated as a distribution in the most recent reporting period. This explains why some vintages show high IRRs but low DPI values.

Horizon IRR: Horizon IRR is a capital-weighted pooled calculation that shows the IRR for a certain range in time. For example, the one-year horizon IRR figures in the report may show the IRR performance for the one-year period beginning in Q2 20x0 through the end of Q1 20x1, while the three-year horizon IRR is for the period beginning in Q2 20x0 through the end of Q1 20x3.

Quarterly return: Calculated as the aggregate percentage change in aggregate NAV for each group of funds in a sample, considering contributions and distributions during the quarter. This makes the calculation tantamount to a quarterly compounded growth rate. Interpolated and extended data are not used in this calculation. Preliminary data is available only for the Global Benchmarks report and will be published when NAV captured nears 50% of the expected NAV for all private capital funds with cash flow history.

Distributions to paid-in (DPI) multiple: A measurement of the capital that has been distributed back to LPs as a proportion of the total paid-in, or contributed, capital. DPI is also known as the cash-on-cash multiple or the realization multiple.

Remaining value to paid-in (RVPI) multiple: A measurement of the unrealized return of a fund as a proportion of the total paid-in, or contributed, capital.

Total value to paid-in (TVPI) multiple: A measurement of both the realized and unrealized value of a fund as a proportion of the total paid-in, or contributed, capital. Also known as the investment multiple, TVPI can be found by adding together the DPI and RVPI of a fund.

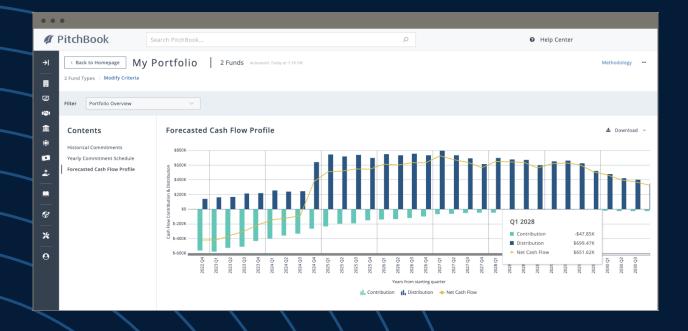
Pooled calculations: Pooled calculations combine cash flow data from a group of funds to create a capital-weighted IRR value. All cash flows and NAVs for each fund in the sample group (such as all private capital funds or 2004 vintage VC funds) are aggregated in the calculation. For vintage-specific calculations, we begin the calculation in Q1 of the vintage year, regardless of which quarter a fund first called capital. In cases where the sample has unrealized value, the ending NAV is treated as a cash outflow in the last reporting period.

Equal-weighted pooled calculations: Using the same methodology as the pooled calculations, the equalweighted version expresses each fund's cash flows and ending NAV as a ratio of fund size. The result is that each fund in these calculations has an equal impact on the output, regardless of the fund size.

Public market equivalent (PME) calculations: PME metrics benchmark the performance of a fund (or group of funds) against an index. A white paper detailing the calculations and methodology behind the PME benchmarks can be found at pitchbook.com. PitchBook News & Analysis also contains several articles with PME benchmarks and analysis. All PME figures are calculated using the Kaplan-Schoar PME method: When using a KS-PME, a value greater than 1.0 implies outperformance of the fund over the public index (net of all fees).

$$PME_{KS-TVPI, T} = \frac{\frac{NAV_{T}}{I_{T}} + \sum_{t=0}^{T} \left(\frac{\text{distribution}_{t}}{I_{t}}\right)}{\sum_{t=0}^{T} \left(\frac{\text{contribution}_{t}}{I_{t}}\right)}$$

Gain confidence in your cash flow projections with Portfolio Forecasting



Helping allocators answer the important questions when it comes to managing private fund structures in their portfolios

Developed and tested by PitchBook's <u>Institutional Research Group</u>, our proprietary, probabilistic cash flow models are built from our robust historical fund data.

With these models, you can confidently forecast the cash flows of private market funds and develop a commitment schedule to achieve your target allocations.

Learn more about Portfolio Forecasting



Private capital



Private capital

Horizon IRRs

Strategy	Q1 2024*	Q4 2023	1-year	3-year	5-year	10-year	15-year	20-year
Private capital	1.97%	2.80%	7.41%	14.15%	13.82%	12.70%	12.07%	11.73%
Private equity	2.05%	4.09%	10.55%	16.65%	17.66%	15.48%	14.54%	14.16%
Venture capital	0.85%	0.43%	-2.97%	7.35%	14.07%	13.00%	11.82%	10.05%
Real estate	-0.34%	-2.33%	-4.23%	9.36%	7.98%	9.42%	7.73%	7.32%
Real assets	2.12%	3.34%	8.54%	14.33%	8.51%	7.68%	7.65%	7.99%
Private debt	2.03%	2.26%	9.24%	10.49%	8.52%	8.44%	9.98%	8.96%
Funds of funds	5.21%	0.70%	2.89%	13.23%	15.86%	13.61%	10.86%	10.78%
Secondaries	2.85%	1.87%	6.53%	16.68%	14.22%	13.17%	12.33%	12.62%
S&P 500	10.56%	11.69%	26.29%	10.00%	15.69%	12.03%	13.97%	9.69%
Morningstar Global	7.93%	11.15%	22.13%	5.85%	11.91%	8.31%	10.91%	8.31%
MSCI World Small Cap Growth	5.38%	12.18%	17.72%	-1.11%	10.26%	7.61%	12.22%	9.09%
Morningstar Global Real Estate	-0.74%	15.59%	9.99%	0.35%	3.67%	4.52%	8.48%	6.62%
Morningstar Real Assets	1.17%	8.02%	6.16%	5.77%	5.61%	3.27%	4.88%	5.48%
Morningstar Global High Yield	0.99%	7.92%	14.34%	1.01%	4.79%	3.84%	8.66%	6.26%



Private capital

Equal-weighted horizon IRRs

Strategy	Q1 2024*	Q4 2023	1-year	3-year	5-year	10-year	15-year	20-year
Private capital	1.88%	1.46%	2.92%	13.12%	13.56%	12.38%	11.42%	11.13%
Private equity	1.80%	3.73%	9.20%	17.63%	17.35%	14.93%	13.72%	14.30%
Venture capital	2.24%	-0.52%	-5.15%	11.77%	15.75%	13.18%	11.76%	9.77%
Real estate	-1.33%	-2.26%	-4.37%	8.05%	7.87%	9.36%	7.72%	7.21%
Real assets	1.48%	4.06%	5.96%	12.78%	7.39%	6.67%	6.83%	8.04%
Private debt	3.68%	1.74%	8.13%	10.28%	8.40%	8.96%	9.68%	9.10%
Funds of funds	3.79%	-0.72%	-0.41%	11.22%	16.06%	14.39%	12.59%	11.99%
Secondaries	0.13%	1.93%	6.99%	16.49%	14.62%	12.65%	11.66%	12.20%
S&P 500	10.56%	11.69%	26.29%	10.00%	15.69%	12.03%	13.97%	9.69%
Morningstar Global	7.93%	11.15%	22.13%	5.85%	11.91%	8.31%	10.91%	8.31%
MSCI World Small Cap Growth	5.38%	12.18%	17.72%	-1.11%	10.26%	7.61%	12.22%	9.09%
Morningstar Global Real Estate	-0.74%	15.59%	9.99%	0.35%	3.67%	4.52%	8.48%	6.62%
Morningstar Real Assets	1.17%	8.02%	6.16%	5.77%	5.61%	3.27%	4.88%	5.48%
Morningstar Global High Yield	0.99%	7.92%	14.34%	1.01%	4.79%	3.84%	8.66%	6.26%



Annual horizon IRRs

Select global strategies

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Private debt 19.8%	Growth/ expansion 20.8%	0il & gas 19.6%	Buyout 14.8%	Venture capital 21.5%	Venture capital 20.3%	Buyout 13.5%	0il & gas 19.4%	Buyout 20.6%	Venture capital 18.6%	Growth/ expansion 19.5%	Venture capital 34.7%	Venture capital 56.1%	0il & gas 31.6%	Infrastructure 10.9%
Buyout 8.8%	Secondaries 20.5%	Secondaries 13.9%	Secondaries 14.2%	Real estate 19.5%	Growth/ expansion 13.6%	Venture capital 12.6%	Buyout 12.3%	Growth/ expansion 16.3%	Growth/ expansion 17.4%	Venture capital 17.1%	Growth/ expansion 33.6%	Growth/ expansion 52.0%	Infrastructure 9.7%	Buyout 10.9%
Growth/ expansion 7.9%	Private debt 18.3%	Venture capital 11.0%	Private debt 14.0%	Buyout 18.1%	Infrastructure 13.1%	Funds of funds 12.1%	Private capital 9.9%	Secondaries 16.1%	Funds of funds 16.4%	Buyout 16.1%	Funds of funds 27.7%	Secondaries 44.4%	Real estate 7.5%	Private debt 9.2%
Oil & gas 4.9%	Buyout 17.5%	Growth/ expansion 10.1%	Growth/ expansion 13.2%	Growth/ expansion 17.6%	Real estate 12.8%	Growth/ expansion 12.0%	Growth/ expansion 8.9%	Private capital 15.3%	Secondaries 14.8%	Private capital 11.7%	Buyout 21.1%	Buyout 44.1%	Private debt 5.5%	Growth/ expansion 8.1%
Private capital 2.5%	Oil & gas 17.1%	Real estate 8.9%	Private capital 12.5%	Private capital 16.0%	Buyout 12.5%	Real estate 10.9%	Infrastructure 8.8%	Real estate 13.4%	Infrastructure 11.3%	Funds of funds 11.5%	Private capital 15.4%	Funds of funds 44.0%	Secondaries 4.0%	Private capital 7.4%
Venture capital 0.1%	Private capital 15.8%	Funds of funds 8.1%	Real estate 11.1%	Private debt 11.2%	Private capital 12.4%	Secondaries 10.8%	Private debt 8.7%	Funds of funds 13.0%	Private capital 10.5%	Secondaries 10.4%	Secondaries 10.4%	Oil & gas 43.5%	Private capital 0.6%	Secondaries 6.5%
Funds of funds -1.6%	Real estate 12.6%	Private capital 8.1%	Venture capital 7.1%	Funds of funds 10.9%	Secondaries 12.4%	Infrastructure 10.4%	Real estate 8.7%	Private debt 10.2%	Buyout 10.4%	Private debt 8.3%	Infrastructure 7.7%	Private capital 37.8%	Buyout -0.6%	Funds of funds 2.9%
Infrastructure -3.8%	Venture capital 11.6%	Infrastructure 7.8%	Funds of funds 7.1%	Secondaries 10.8%	Funds of funds 12.2%	Private capital 10.1%	Funds of funds 7.9%	Venture capital 9.5%	Real estate 7.1%	Real estate 7.6%	Real estate 3.9%	Real estate 27.2%	Funds of funds -5.5%	Oil & gas -0.2%
Secondaries -7.8%	Infrastructure 6.2%	Buyout 7.7%	Infrastructure 7.0%	Oil & gas 7.0%	Private debt 12.1%	Private debt 4.7%	Secondaries 7.3%	Oil & gas 8.9%	Private debt 6.0%	Infrastructure 7.0%	Private debt 3.2%	Private debt 17.4%	Growth/ expansion -6.6%	Venture capital -3.0%
Real estate -35.0%	Funds of funds 6.1%	Private debt 3.2%	Oil & gas 6.9%	Infrastructure 5.6%	Oil & gas -2.7%	Oil & gas -21.5%	Venture capital 0.0%	Infrastructure 8.4%	Oil & gas 3.9%	Oil & gas -11.8%	Oil & gas -20.9%	Infrastructure 16.1%	Venture capital -16.8%	Real estate -4.2%

5-year horizon IRR	
Growth/ expansion 15.5%	
Buyout 14.4%	
Secondaries 12.3%	
Private capital 12.1%	
/enture capital 11.8%	
Funds of funds 10.9%	
Private debt 10.0%	
Infrastructure 9.2%	
Real estate 7.7%	
Oil & gas 5.5%	



IRRs by vintage

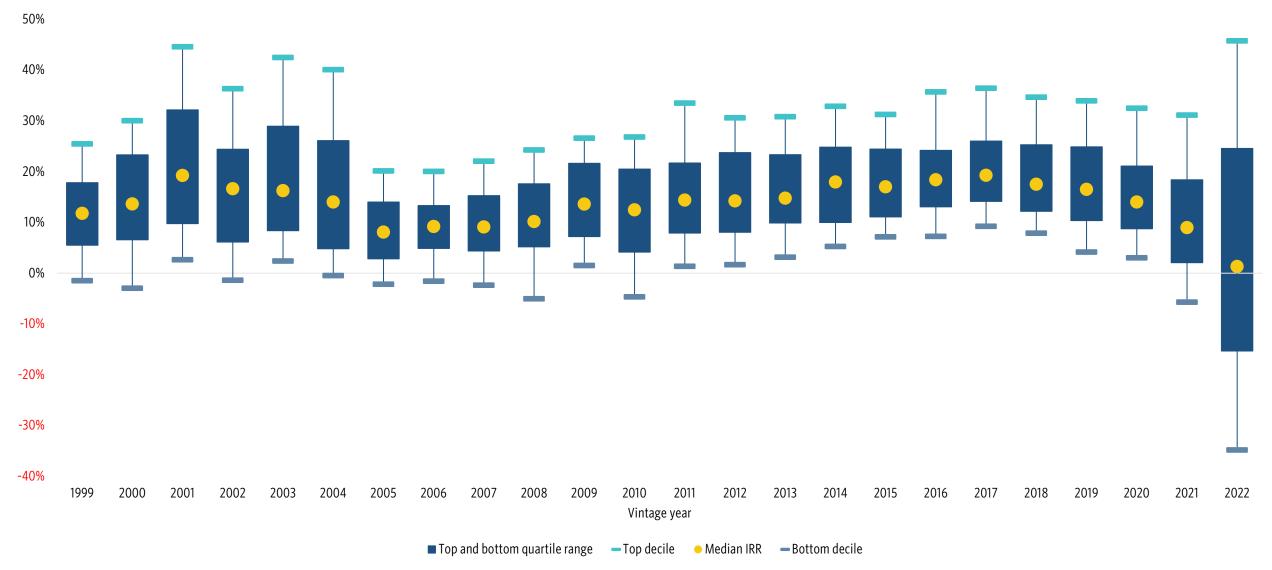
Pooled IRRs IRR quantiles

_								•			
	Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
	1999	11.44%	11.20%	36	25.43%	17.81%	11.79%	5.50%	-1.49%	11.86%	85
	2000	14.97%	12.37%	51	30.02%	23.31%	13.65%	6.56%	-2.96%	12.60%	114
	2001	27.53%	22.77%	27	44.56%	32.16%	19.25%	9.75%	2.63%	20.01%	70
	2002	20.00%	16.93%	28	36.32%	24.40%	16.64%	6.15%	-1.40%	17.42%	62
	2003	16.15%	14.13%	30	42.45%	28.95%	16.25%	8.38%	2.40%	32.86%	76
	2004	10.64%	12.09%	38	40.07%	26.12%	14.00%	4.80%	-0.47%	19.13%	68
	2005	9.86%	9.15%	72	20.13%	14.03%	8.08%	2.84%	-2.19%	13.37%	116
	2006	8.24%	8.32%	98	20.03%	13.31%	9.20%	4.88%	-1.59%	11.76%	168
	2007	9.03%	9.53%	108	22.05%	15.27%	9.09%	4.38%	-2.37%	12.51%	182
	2008	13.14%	11.07%	100	24.25%	17.62%	10.16%	5.21%	-5.04%	14.92%	144
	2009	12.40%	13.90%	36	26.59%	21.63%	13.60%	7.20%	1.52%	15.54%	65
	2010	11.18%	11.43%	46	26.80%	20.50%	12.46%	4.14%	-4.66%	13.34%	74
	2011	14.73%	14.57%	78	33.50%	21.71%	14.40%	7.90%	1.36%	17.44%	103
	2012	15.86%	15.29%	86	30.59%	23.75%	14.23%	8.06%	1.66%	14.03%	119
	2013	14.18%	14.70%	88	30.80%	23.33%	14.78%	9.89%	3.14%	11.30%	114
	2014	18.55%	18.34%	80	32.86%	24.82%	17.95%	9.98%	5.24%	13.62%	116
	2015	19.26%	18.30%	98	31.26%	24.43%	17.02%	11.09%	7.14%	10.50%	118
	2016	18.59%	19.63%	97	35.68%	24.20%	18.40%	13.08%	7.23%	13.23%	116
	2017	21.50%	20.32%	105	36.40%	26.03%	19.27%	14.15%	9.23%	13.65%	124
	2018	19.01%	19.77%	123	34.63%	25.30%	17.52%	12.19%	7.88%	13.56%	149
	2019	18.34%	18.67%	119	33.93%	24.88%	16.50%	10.35%	4.14%	15.26%	154
	2020	17.03%	17.91%	105	32.46%	21.11%	14.00%	8.76%	3.01%	17.20%	133
	2021	9.11%	12.67%	164	31.13%	18.38%	8.98%	2.09%	-5.71%	17.33%	188
	2022	3.43%	11.77%	107	45.72%	24.56%	1.32%	-15.31%	-34.82%	43.47%	113

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

		S&P 500		Morningstar Global		
Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	

Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	11.44%	7.22%	1.46	11.44%	6.59%	1.28	36
2000	14.97%	6.94%	1.44	14.97%	5.97%	1.27	51
2001	27.53%	7.72%	1.67	27.53%	6.86%	1.51	27
2002	20.00%	8.61%	1.46	20.00%	7.84%	1.34	28
2003	16.15%	10.40%	1.43	16.15%	9.33%	1.37	30
2004	10.64%	9.32%	1.32	10.64%	7.83%	1.28	38
2005	9.86%	9.44%	1.18	9.86%	7.57%	1.26	72
2006	8.24%	9.43%	1.03	8.24%	7.00%	1.15	98
2007	9.03%	9.22%	0.93	9.03%	6.38%	1.07	108
2008	13.14%	10.07%	0.99	13.14%	6.70%	1.15	100
2009	12.40%	14.52%	0.94	12.40%	11.30%	1.10	36
2010	11.18%	12.72%	0.94	11.18%	8.81%	1.11	46
2011	14.73%	12.30%	1.05	14.73%	8.10%	1.23	78
2012	15.86%	12.88%	1.11	15.86%	9.00%	1.27	86
2013	14.18%	12.70%	1.06	14.18%	8.61%	1.22	88
2014	18.55%	11.62%	1.25	18.55%	7.75%	1.44	80
2015	19.26%	11.26%	1.21	19.26%	7.86%	1.36	98
2016	18.59%	13.31%	1.20	18.59%	10.09%	1.36	97
2017	21.50%	12.11%	1.29	21.50%	8.70%	1.45	105
2018	19.01%	10.82%	1.20	19.01%	6.60%	1.30	123
2019	18.34%	12.87%	1.21	18.34%	8.90%	1.31	119
2020	17.03%	12.44%	1.17	17.03%	8.72%	1.24	105
2021	9.11%	7.03%	1.04	9.11%	2.10%	1.09	164
2022	3.43%	1.68%	0.94	3.43%	-0.88%	0.97	107

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Pooled multiples	Equal-weighted pooled multiples

		i oolou murupios			quai moioiitea pootea martipi	••	
Vintage year	TVPI	DPI	RVPI	TVPI	DPI	RVPI	Number of funds
1999	1.66x	1.64x	0.02x	1.71x	1.67x	0.04x	36
2000	1.78x	1.77x	0.01x	1.72x	1.71x	0.01x	51
2001	2.15x	2.14x	0.01x	1.98x	1.98x	0.00x	27
2002	1.92x	1.92x	0.00x	1.83x	1.82x	0.00x	28
2003	1.85x	1.84x	0.01x	1.77x	1.74x	0.03x	30
2004	1.69x	1.68x	0.01x	1.72x	1.70x	0.03x	38
2005	1.61x	1.60x	0.02x	1.55x	1.53x	0.02x	72
2006	1.54x	1.52x	0.02x	1.53x	1.49x	0.04x	98
2007	1.54x	1.50x	0.04x	1.57x	1.51x	0.05x	108
2008	1.67x	1.62x	0.05x	1.61x	1.54x	0.07x	100
2009	1.65x	1.57x	0.08x	1.76x	1.65x	0.10x	36
2010	1.82x	1.61x	0.21x	1.75x	1.54x	0.22x	46
2011	1.89x	1.64x	0.25x	1.90x	1.63x	0.27x	78
2012	1.83x	1.44x	0.39x	1.78x	1.44x	0.34x	86
2013	1.77x	1.33x	0.43x	1.84x	1.36x	0.48x	88
2014	2.08x	1.38x	0.70x	2.11x	1.42x	0.70x	80
2015	1.93x	1.29x	0.64x	1.96x	1.25x	0.71x	98
2016	1.90x	0.97x	0.93x	1.92x	1.00x	0.93x	97
2017	1.87x	0.68x	1.18x	1.79x	0.74x	1.05x	105
2018	1.53x	0.40x	1.13x	1.61x	0.44x	1.17x	123
2019	1.46x	0.23x	1.23x	1.47x	0.29x	1.17x	119
2020	1.29x	0.15x	1.14x	1.35x	0.16x	1.19x	105
2021	1.13x	0.07x	1.06x	1.20x	0.10x	1.09x	164
2022	1.03x	0.03x	1.00x	1.13x	0.07x	1.07x	107

Note: All private capital returns are net of fees and carry.



Multiples by vintage

TVPI DPI

Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999	2.56x	2.14x	1.70x	1.18x	0.98x	2.46x	2.11x	1.70x	1.17x	0.98x	36
2000	2.70x	2.18x	1.67x	1.30x	0.83x	2.70x	2.18x	1.67x	1.30x	0.82x	51
2001	2.74x	2.35x	1.97x	1.55x	1.15x	2.74x	2.35x	1.97x	1.55x	1.15x	27
2002	2.61x	2.15x	1.82x	1.46x	1.19x	2.60x	2.15x	1.82x	1.46x	1.18x	28
2003	2.77x	1.93x	1.71x	1.40x	0.97x	2.77x	1.92x	1.67x	1.39x	0.92x	30
2004	2.60x	2.13x	1.71x	1.39x	1.04x	2.58x	2.13x	1.68x	1.30x	0.95x	38
2005	2.32x	1.83x	1.51x	1.17x	0.92x	2.22x	1.83x	1.46x	1.16x	0.92x	72
2006	2.10x	1.81x	1.49x	1.30x	0.89x	2.07x	1.79x	1.47x	1.19x	0.86x	98
2007	2.37x	1.97x	1.50x	1.22x	0.95x	2.29x	1.91x	1.46x	1.15x	0.83x	108
2008	2.29x	1.95x	1.57x	1.25x	0.83x	2.21x	1.93x	1.50x	1.14x	0.82x	100
2009	2.65x	2.21x	1.59x	1.34x	1.16x	2.57x	2.21x	1.51x	1.28x	0.88x	36
2010	2.83x	2.01x	1.73x	1.18x	0.76x	2.57x	1.88x	1.47x	0.99x	0.60x	46
2011	3.22x	2.30x	1.81x	1.42x	0.92x	2.88x	2.09x	1.52x	1.13x	0.60x	78
2012	2.63x	2.11x	1.70x	1.40x	1.05x	2.39x	1.80x	1.42x	1.02x	0.63x	86
2013	2.56x	2.06x	1.77x	1.43x	1.14x	1.99x	1.63x	1.24x	0.90x	0.60x	88
2014	3.48x	2.35x	1.98x	1.48x	1.25x	2.47x	1.73x	1.21x	0.85x	0.46x	80
2015	2.72x	2.18x	1.87x	1.62x	1.35x	1.92x	1.49x	1.23x	0.95x	0.61x	98
2016	2.66x	2.10x	1.87x	1.57x	1.37x	1.59x	1.18x	0.94x	0.57x	0.37x	97
2017	2.58x	2.06x	1.73x	1.45x	1.18x	1.28x	0.99x	0.62x	0.42x	0.27x	105
2018	2.01x	1.83x	1.55x	1.41x	1.21x	0.82x	0.62x	0.37x	0.15x	0.09x	123
2019	2.01x	1.57x	1.36x	1.22x	1.11x	0.65x	0.42x	0.18x	0.06x	0.00x	119
2020	1.66x	1.44x	1.27x	1.14x	1.05x	0.42x	0.21x	0.09x	0.01x	0.00x	105
2021	1.45x	1.27x	1.11x	0.99x	0.88x	0.26x	0.08x	0.01x	0.00x	0.00x	164
2022	1.30x	1.14x	1.00x	0.88x	0.75x	0.14x	0.03x	0.00x	0.00x	0.00x	107

Note: All private capital returns are net of fees and carry.



Quarterly return

<u> </u>	
Quarter end	1-quarter return
Q1 2001	-7.47%
Q2 2001	1.23%
Q3 2001	-6.16%
Q4 2001	-2.66%
Q1 2002	-0.47%
Q2 2002	-1.02%
Q3 2002	-4.38%
Q4 2002	-0.25%
Q1 2003	-0.33%
Q2 2003	6.47%
Q3 2003	4.30%
Q4 2003	10.12%
Q1 2004	2.97%
Q2 2004	4.57%
Q3 2004	3.01%
Q4 2004	14.07%
Q1 2005	1.72%
Q2 2005	8.95%
Q3 2005	6.35%
Q4 2005	10.47%
Q1 2006	4.27%
Q2 2006	5.68%
Q3 2006	3.88%
Q4 2006	15.50%

Quarter end	1-quarter return
Q1 2007	4.22%
Q2 2007	11.06%
Q3 2007	3.34%
Q4 2007	3.56%
Q1 2008	0.09%
Q2 2008	-2.05%
Q3 2008	-8.23%
Q4 2008	-13.22%
Q1 2009	-7.20%
Q2 2009	4.66%
Q3 2009	5.34%
Q4 2009	7.65%
Q1 2010	2.27%
Q2 2010	1.84%
Q3 2010	4.56%
Q4 2010	7.98%
Q1 2011	4.86%
Q2 2011	4.74%
Q3 2011	-3.26%
Q4 2011	1.58%
Q1 2012	6.09%
Q2 2012	0.77%
Q3 2012	3.78%
Q4 2012	3.04%

Quarter end	1-quarter return
Q1 2013	3.23%
Q2 2013	3.03%
Q3 2013	5.05%
Q4 2013	6.06%
Q1 2014	4.51%
Q2 2014	5.11%
Q3 2014	-0.42%
Q4 2014	3.15%
Q1 2015	3.79%
Q2 2015	5.80%
Q3 2015	0.72%
Q4 2015	2.02%
Q1 2016	1.42%
Q2 2016	4.37%
Q3 2016	4.44%
Q4 2016	0.95%
Q1 2017	4.81%
Q2 2017	5.38%
Q3 2017	4.62%
Q4 2017	4.22%
Q1 2018	3.58%
Q2 2018	3.94%
Q3 2018	4.28%
Q4 2018	-1.00%

Quarter end	1-quarter return
Q1 2019	4.61%
Q2 2019	2.93%
Q3 2019	2.83%
Q4 2019	5.17%
Q1 2020	-8.67%
Q2 2020	9.98%
Q3 2020	12.01%
Q4 2020	8.28%
Q1 2021	14.22%
Q2 2021	13.43%
Q3 2021	6.11%
Q4 2021	5.97%
Q1 2022	0.98%
Q2 2022	-2.72%
Q3 2022	-1.50%
Q4 2022	1.76%
Q1 2023	3.78%
Q2 2023	2.39%
Q3 2023	0.57%
Q4 2023	4.09%
Q1 2024*	2.05%

*Preliminary figure

Source: PitchBook • Geography: Global



IRRs by vintage

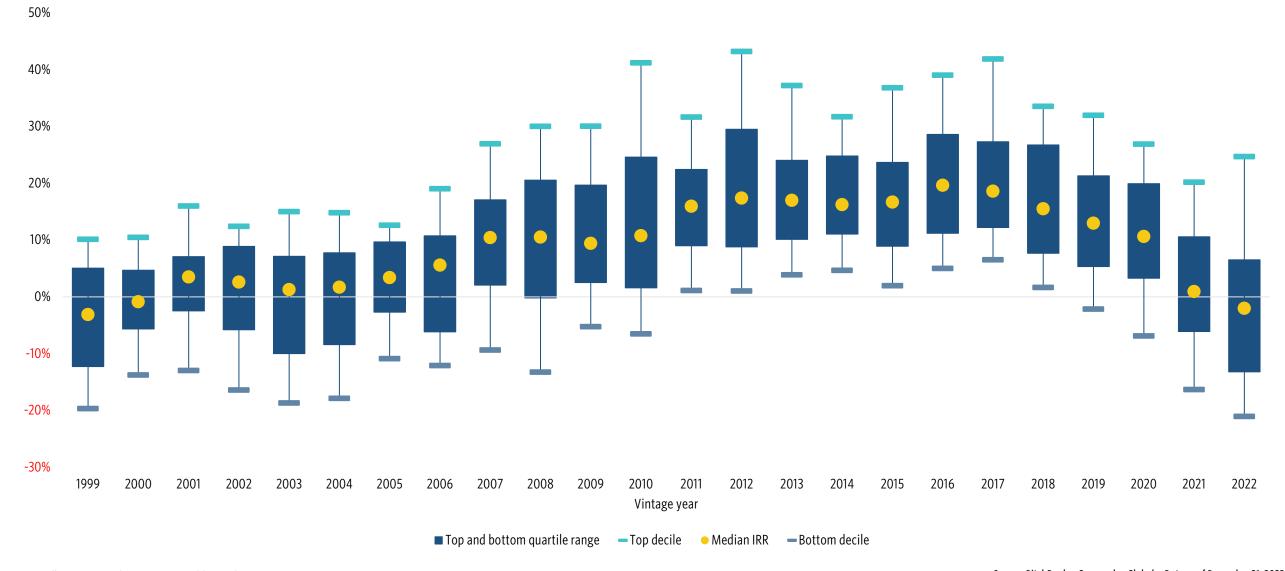
Pooled IRRs IRR quantiles

Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	-2.09%	-3.27%	37	10.13%	5.06%	-3.11%	-12.27%	-19.66%	34.09%	75
2000	-0.59%	-1.78%	65	10.48%	4.69%	-0.86%	-5.65%	-13.75%	12.05%	119
2001	4.77%	3.95%	32	15.99%	7.10%	3.50%	-2.47%	-12.96%	18.99%	70
2002	0.07%	1.99%	17	12.40%	8.90%	2.60%	-5.80%	-16.40%	16.39%	41
2003	3.80%	-0.78%	21	15.01%	7.15%	1.29%	-9.98%	-18.69%	24.99%	35
2004	5.00%	8.04%	23	14.82%	7.77%	1.70%	-8.40%	-17.88%	17.73%	45
2005	7.01%	6.91%	29	12.60%	9.67%	3.40%	-2.70%	-10.90%	16.86%	61
2006	5.71%	5.00%	47	19.04%	10.75%	5.60%	-6.14%	-12.10%	14.06%	81
2007	13.69%	15.80%	42	26.95%	17.08%	10.43%	2.08%	-9.37%	15.73%	84
2008	15.37%	10.19%	51	30.01%	20.55%	10.53%	-0.18%	-13.25%	22.64%	86
2009	12.00%	9.48%	22	30.04%	19.68%	9.44%	2.52%	-5.26%	16.48%	38
2010	12.27%	13.64%	22	41.20%	24.62%	10.78%	1.60%	-6.52%	19.26%	49
2011	19.77%	21.92%	21	31.66%	22.44%	15.96%	9.00%	1.13%	17.75%	63
2012	17.85%	18.96%	21	43.20%	29.52%	17.40%	8.80%	1.02%	19.54%	53
2013	18.25%	13.83%	20	37.21%	24.05%	17.00%	10.13%	3.87%	15.16%	60
2014	18.20%	17.23%	36	31.71%	24.81%	16.24%	11.07%	4.67%	14.61%	70
2015	14.73%	16.25%	38	36.80%	23.68%	16.70%	8.93%	1.97%	13.67%	75
2016	19.70%	21.38%	43	39.03%	28.61%	19.66%	11.21%	5.01%	25.21%	72
2017	19.00%	19.60%	34	41.89%	27.31%	18.60%	12.20%	6.52%	14.11%	54
2018	19.47%	19.01%	36	33.54%	26.74%	15.50%	7.67%	1.66%	18.32%	75
2019	13.55%	14.21%	37	31.97%	21.32%	12.96%	5.33%	-2.15%	13.66%	62
2020	11.11%	16.95%	47	26.89%	19.94%	10.65%	3.28%	-6.90%	15.44%	78
2021	-1.21%	5.06%	92	20.20%	10.58%	0.95%	-6.10%	-16.31%	15.76%	117
2022	-1.99%	0.66%	61	24.70%	6.53%	-2.00%	-13.20%	-21.05%	26.92%	77

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

MSCI World Small Cap Growth S&P 500

	341 300			1412			
Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	-2.09%	7.22%	0.79	-2.09%	7.84%	0.66	37
2000	-0.59%	6.94%	0.70	-0.59%	6.01%	0.55	65
2001	4.77%	7.72%	0.91	4.77%	7.75%	0.74	32
2002	0.07%	8.61%	0.66	0.07%	8.86%	0.54	17
2003	3.80%	10.40%	0.83	3.80%	10.48%	0.73	21
2004	5.00%	9.32%	0.87	5.00%	8.37%	0.83	23
2005	7.01%	9.44%	0.89	7.01%	7.99%	0.90	29
2006	5.71%	9.43%	0.78	5.71%	7.17%	0.80	47
2007	13.69%	9.22%	1.12	13.69%	6.77%	1.18	42
2008	15.37%	10.07%	1.10	15.37%	7.45%	1.19	51
2009	12.00%	14.52%	0.90	12.00%	12.25%	1.05	22
2010	12.27%	12.72%	0.94	12.27%	9.34%	1.08	22
2011	19.77%	12.30%	1.36	19.77%	7.82%	1.58	21
2012	17.85%	12.88%	1.31	17.85%	8.73%	1.59	21
2013	18.25%	12.70%	1.27	18.25%	8.40%	1.49	20
2014	18.20%	11.62%	1.34	18.20%	6.54%	1.65	36
2015	14.73%	11.26%	1.10	14.73%	7.05%	1.37	38
2016	19.70%	13.31%	1.32	19.70%	8.97%	1.66	43
2017	19.00%	12.11%	1.26	19.00%	7.20%	1.61	34
2018	19.47%	10.82%	1.29	19.47%	4.22%	1.66	36
2019	13.55%	12.87%	1.10	13.55%	6.00%	1.41	37
2020	11.11%	12.44%	1.08	11.11%	5.44%	1.34	47
2021	-1.21%	7.03%	0.89	-1.21%	-6.96%	1.06	92
2022	-1.99%	1.68%	0.87	-1.99%	-6.71%	1.04	61

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Pooled multiples **Equal-weighted pooled multiples** TVPI DPI RVPI TVPI Number of funds RVPI Vintage year

1999	0.87x	0.84x	0.04x	0.81x	0.80x	0.01x	37
2000	0.96x	0.95x	0.01x	0.88x	0.87x	0.01x	65
2001	1.37x	1.33x	0.05x	1.31x	1.25x	0.06x	32
2002	1.00x	0.99x	0.02x	1.16x	1.03x	0.12x	17
2003	1.28x	1.26x	0.02x	0.95x	0.94x	0.01x	21
2004	1.42x	1.35x	0.07x	1.78x	1.54x	0.24x	23
2005	1.65x	1.52x	0.13x	1.67x	1.52x	0.15x	29
2006	1.46x	1.33x	0.13x	1.43x	1.27x	0.16x	47
2007	2.15x	1.90x	0.25x	2.18x	1.82x	0.36x	42
2008	2.27x	2.07x	0.20x	1.86x	1.57x	0.30x	51
2009	2.19x	1.66x	0.54x	1.95x	1.19x	0.76x	22
2010	1.88x	1.47x	0.40x	2.09x	1.68x	0.41x	22
2011	3.12x	2.40x	0.71x	3.61x	2.81x	0.80x	21
2012	2.91x	1.77x	1.14x	3.20x	2.09x	1.11x	21
2013	2.28x	1.52x	0.75x	2.04x	1.18x	0.86x	20
2014	2.75x	1.41x	1.34x	2.66x	1.34x	1.32x	36
2015	2.00x	0.79x	1.21x	2.12x	0.85x	1.28x	38
2016	2.24x	0.74x	1.50x	2.30x	0.81x	1.49x	43
2017	1.97x	0.47x	1.50x	2.05x	0.46x	1.59x	34
2018	1.85x	0.30x	1.55x	1.87x	0.37x	1.50x	36
2019	1.44x	0.09x	1.35x	1.44x	0.06x	1.38x	37
2020	1.24x	0.07x	1.16x	1.39x	0.13x	1.26x	47
2021	0.98x	0.03x	0.95x	1.09x	0.07x	1.02x	92
2022	0.97x	0.01x	0.96x	1.01x	0.02x	0.98x	61

Note: All private capital returns are net of fees and carry.



Multiples by vintage

TVPI DPI

			/11						711		
Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999	1.46x	1.14x	0.75x	0.40x	0.21x	1.41x	1.14x	0.74x	0.40x	0.21x	37
2000	1.43x	1.13x	0.92x	0.62x	0.29x	1.43x	1.13x	0.91x	0.56x	0.29x	65
2001	2.07x	1.64x	1.28x	0.96x	0.61x	1.87x	1.59x	1.27x	0.85x	0.61x	32
2002	1.77x	1.59x	1.11x	0.60x	0.34x	1.66x	1.49x	1.05x	0.57x	0.34x	17
2003	1.46x	1.39x	1.02x	0.45x	0.37x	1.44x	1.37x	1.01x	0.45x	0.37x	21
2004	2.94x	1.75x	1.03x	0.68x	0.42x	1.87x	1.43x	1.02x	0.68x	0.42x	23
2005	2.47x	1.73x	1.30x	1.02x	0.56x	2.18x	1.64x	1.28x	0.98x	0.51x	29
2006	2.64x	2.00x	1.39x	0.68x	0.42x	2.31x	1.58x	1.24x	0.64x	0.31x	47
2007	2.82x	2.62x	1.84x	1.02x	0.51x	2.72x	2.32x	1.69x	0.84x	0.37x	42
2008	4.20x	2.37x	1.49x	0.69x	0.22x	3.14x	2.11x	1.13x	0.38x	0.21x	51
2009	2.91x	2.50x	1.64x	0.97x	0.69x	2.47x	1.64x	0.93x	0.52x	0.40x	22
2010	3.29x	2.25x	1.67x	1.15x	0.77x	3.28x	1.81x	1.19x	0.76x	0.50x	22
2011	4.32x	3.32x	2.00x	1.73x	1.40x	3.02x	2.49x	1.53x	1.38x	0.74x	21
2012	4.24x	3.03x	2.09x	1.31x	0.98x	3.40x	2.44x	1.37x	0.59x	0.29x	21
2013	3.40x	2.57x	2.07x	1.32x	0.63x	2.01x	1.59x	1.16x	0.44x	0.26x	20
2014	4.77x	3.06x	2.22x	1.90x	1.47x	2.33x	1.87x	1.20x	0.74x	0.20x	36
2015	3.55x	2.38x	2.01x	1.30x	1.08x	1.76x	1.06x	0.46x	0.23x	0.04x	38
2016	4.14x	2.59x	1.98x	1.53x	1.19x	2.01x	1.06x	0.53x	0.14x	0.02x	43
2017	2.87x	2.27x	1.89x	1.62x	1.27x	1.13x	0.76x	0.25x	0.09x	0.01x	34
2018	2.71x	2.26x	1.75x	1.33x	1.21x	1.10x	0.50x	0.08x	0.00x	0.00x	36
2019	1.94x	1.62x	1.33x	1.13x	0.94x	0.16x	0.07x	0.02x	0.00x	0.00x	37
2020	1.69x	1.47x	1.24x	1.06x	0.93x	0.28x	0.08x	0.00x	0.00x	0.00x	47
2021	1.33x	1.17x	1.01x	0.90x	0.78x	0.09x	0.00x	0.00x	0.00x	0.00x	92
2022	1.14x	1.03x	0.94x	0.84x	0.79x	0.03x	0.00x	0.00x	0.00x	0.00x	61

Note: All private capital returns are net of fees and carry.



Quarterly return

- · · · · · · · · · · · · · · · · · · ·	
Quarter end	1-quarter return
Q1 2001	-12.23%
Q2 2001	-8.54%
Q3 2001	-14.56%
Q4 2001	-11.53%
Q1 2002	-7.25%
Q2 2002	-12.61%
Q3 2002	-8.20%
Q4 2002	-12.40%
Q1 2003	-5.45%
Q2 2003	-1.70%
Q3 2003	-2.35%
Q4 2003	4.66%
Q1 2004	-1.19%
Q2 2004	2.64%
Q3 2004	-0.93%
Q4 2004	3.04%
Q1 2005	-1.82%
Q2 2005	0.67%
Q3 2005	4.08%
Q4 2005	2.18%
Q1 2006	3.53%
Q2 2006	0.77%
Q3 2006	1.78%
Q4 2006	6.88%

Quarter end	1-quarter return
Q1 2007	2.32%
Q2 2007	6.15%
Q3 2007	1.97%
Q4 2007	3.98%
Q1 2008	2.01%
Q2 2008	-2.40%
Q3 2008	-2.77%
Q4 2008	-9.31%
Q1 2009	-3.85%
Q2 2009	0.31%
Q3 2009	1.09%
Q4 2009	2.83%
Q1 2010	1.25%
Q2 2010	-0.34%
Q3 2010	4.22%
Q4 2010	6.88%
Q1 2011	4.67%
Q2 2011	5.24%
Q3 2011	-0.64%
Q4 2011	1.72%
Q1 2012	4.07%
Q2 2012	1.45%
Q3 2012	-0.16%
Q4 2012	1.99%

Quarter end	1-quarter return
Q1 2013	2.19%
Q2 2013	4.35%
Q3 2013	6.03%
Q4 2013	8.78%
Q1 2014	5.30%
Q2 2014	4.12%
Q3 2014	2.55%
Q4 2014	7.26%
Q1 2015	4.43%
Q2 2015	6.96%
Q3 2015	-0.78%
Q4 2015	2.19%
Q1 2016	-3.34%
Q2 2016	0.24%
Q3 2016	-0.00%
Q4 2016	3.45%
Q1 2017	1.89%
Q2 2017	2.34%
Q3 2017	3.87%
Q4 2017	1.79%
Q1 2018	6.59%
Q2 2018	5.68%
Q3 2018	4.30%
Q4 2018	0.91%

Quarter end	1-quarter return
Q1 2019	6.66%
Q2 2019	2.41%
Q3 2019	1.57%
Q4 2019	5.63%
Q1 2020	-2.20%
Q2 2020	8.79%
Q3 2020	11.76%
Q4 2020	14.57%
Q1 2021	21.85%
Q2 2021	13.19%
Q3 2021	6.23%
Q4 2021	6.37%
Q1 2022	-3.92%
Q2 2022	-8.60%
Q3 2022	-2.70%
Q4 2022	-5.24%
Q1 2023	-0.59%
Q2 2023	-0.18%
Q3 2023	-2.61%
Q4 2023	0.43%
Q1 2024*	0.85%

*Preliminary figure

Source: PitchBook • Geography: Global



IRRs by vintage

Pooled IRRs IRR quantiles

Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	11.22%	9.37%	4	20.11%	15.34%	10.33%	9.14%	2.79%	7.36%	22
2000	19.58%	17.80%	12	31.01%	24.99%	16.68%	10.94%	5.11%	10.28%	24
2001	32.54%	30.30%	2	28.23%	23.00%	16.49%	9.54%	2.76%	12.56%	22
2002	26.39%	14.77%	2	27.05%	21.80%	10.26%	6.06%	-0.43%	16.02%	20
2003	10.51%	9.98%	5	38.34%	19.50%	12.07%	5.26%	-3.11%	40.33%	34
2004	5.87%	7.21%	8	42.99%	15.82%	6.39%	-0.14%	-5.42%	20.29%	44
2005	-0.53%	-1.44%	29	10.97%	3.99%	-1.90%	-8.47%	-17.32%	21.39%	63
2006	-2.84%	-1.42%	32	7.81%	5.09%	0.25%	-8.92%	-16.71%	13.19%	78
2007	3.70%	1.89%	57	13.45%	10.38%	4.49%	-1.00%	-12.85%	13.31%	97
2008	6.94%	5.72%	33	18.20%	12.47%	7.65%	1.26%	-6.07%	12.47%	70
2009	9.70%	8.80%	17	23.79%	17.23%	10.22%	6.15%	0.15%	15.74%	34
2010	17.52%	13.12%	23	23.85%	19.43%	13.18%	7.70%	1.95%	10.04%	46
2011	13.94%	12.22%	40	24.16%	19.28%	13.61%	8.85%	2.21%	8.88%	56
2012	12.66%	11.75%	39	22.98%	15.26%	11.42%	7.48%	3.19%	10.00%	64
2013	9.57%	8.77%	52	20.93%	15.17%	10.95%	5.25%	-0.50%	10.22%	58
2014	10.81%	10.14%	52	19.10%	15.46%	10.14%	4.40%	0.89%	11.87%	62
2015	10.68%	10.90%	68	21.79%	14.85%	10.23%	5.62%	1.84%	8.29%	78
2016	10.55%	10.01%	48	20.36%	14.09%	9.65%	5.16%	0.19%	9.29%	60
2017	10.07%	9.24%	68	26.97%	18.48%	9.42%	3.82%	0.39%	11.22%	67
2018	9.49%	10.89%	67	21.68%	15.40%	10.55%	5.18%	-0.58%	11.41%	74
2019	14.85%	10.98%	55	24.85%	15.94%	9.39%	4.95%	-2.94%	12.46%	56
2020	7.70%	8.77%	40	22.70%	14.88%	8.30%	3.23%	-2.04%	9.76%	48
2021	5.60%	5.98%	77	19.27%	12.15%	3.91%	-3.40%	-14.11%	35.02%	80
2022	0.77%	5.60%	54	14.06%	8.28%	-2.81%	-14.34%	-34.45%	35.26%	57

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

Morningstar Global Real Estate S&P 500

		Jul 300			illigatar Globar Kear Eatate		
Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	11.22%	7.22%	1.44	11.22%	6.99%	1.02	4
2000	19.58%	6.94%	1.60	19.58%	6.89%	1.10	12
2001	32.54%	7.72%	1.63	32.54%	6.74%	1.21	2
2002	26.39%	8.61%	1.56	26.39%	7.14%	1.27	2
2003	10.51%	10.40%	1.08	10.51%	7.63%	0.92	5
2004	5.87%	9.32%	0.97	5.87%	5.70%	0.99	8
2005	-0.53%	9.44%	0.64	-0.53%	4.89%	0.75	29
2006	-2.84%	9.43%	0.47	-2.84%	3.68%	0.56	32
2007	3.70%	9.22%	0.71	3.70%	1.97%	0.82	57
2008	6.94%	10.07%	0.80	6.94%	3.23%	0.89	33
2009	9.70%	14.52%	0.84	9.70%	9.05%	0.96	17
2010	17.52%	12.72%	1.05	17.52%	5.61%	1.15	23
2011	13.94%	12.30%	1.01	13.94%	4.30%	1.21	40
2012	12.66%	12.88%	1.00	12.66%	4.72%	1.22	39
2013	9.57%	12.70%	0.93	9.57%	3.05%	1.14	52
2014	10.81%	11.62%	0.94	10.81%	3.27%	1.21	52
2015	10.68%	11.26%	0.93	10.68%	1.73%	1.28	68
2016	10.55%	13.31%	0.94	10.55%	3.04%	1.30	48
2017	10.07%	12.11%	0.90	10.07%	1.85%	1.27	68
2018	9.49%	10.82%	0.97	9.49%	0.32%	1.29	67
2019	14.85%	12.87%	1.09	14.85%	-0.43%	1.39	55
2020	7.70%	12.44%	1.00	7.70%	-2.39%	1.24	40
2021	5.60%	7.03%	0.99	5.60%	-4.31%	1.19	77
2022	0.77%	1.68%	0.93	0.77%	-12.40%	1.06	54

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Multiples by	Multiples by vintage										
		Pooled multiples		Eq	Equal-weighted pooled multiples						
Vintage year	TVPI	DPI	RVPI	TVPI	DPI	RVPI	Number of funds				
1999	1.44x	1.44x	0.00x	1.44x	1.44x	0.00x	4				
2000	1.77x	1.77x	0.00x	1.74x	1.74x	0.00x	12				
2001	1.99x	1.98x	0.01x	2.01x	1.83x	0.18x	2				
2002	2.28x	2.04x	0.24x	1.74x	1.60x	0.14x	2				
2003	1.34x	1.33x	0.00x	1.32x	1.32x	0.01x	5				
2004	1.30x	1.24x	0.06x	1.47x	1.33x	0.14x	8				
2005	0.97x	0.95x	0.02x	0.91x	0.89x	0.02x	29				
2006	0.83x	0.79x	0.03x	0.91x	0.89x	0.03x	32				
2007	1.19x	1.15x	0.04x	1.10x	1.05x	0.05x	57				
2008	1.34x	1.32x	0.02x	1.27x	1.25x	0.03x	33				
2009	1.41x	1.40x	0.01x	1.40x	1.38x	0.02x	17				
2010	1.52x	1.50x	0.02x	1.57x	1.46x	0.10x	23				
2011	1.58x	1.45x	0.12x	1.59x	1.39x	0.20x	40				
2012	1.50x	1.39x	0.12x	1.45x	1.36x	0.09x	39				
2013	1.34x	1.16x	0.18x	1.34x	1.10x	0.24x	52				
2014	1.40x	1.12x	0.29x	1.48x	1.08x	0.40x	52				
2015	1.44x	0.97x	0.46x	1.42x	1.05x	0.37x	68				
2016	1.38x	0.81x	0.57x	1.38x	0.91x	0.47x	48				
2017	1.37x	0.75x	0.61x	1.35x	0.74x	0.61x	68				
2018	1.23x	0.42x	0.81x	1.28x	0.53x	0.75x	67				
2019	1.28x	0.35x	0.94x	1.24x	0.35x	0.89x	55				
2020	1.13x	0.21x	0.92x	1.16x	0.22x	0.94x	40				
2021	1.07x	0.12x	0.95x	1.08x	0.19x	0.90x	77				
2022	1.01x	0.15x	0.85x	1.06x	0.22x	0.84x	54				

Note: All private capital returns are net of fees and carry.



Multiples by vintage

TVPI DPI

			/11						<u> </u>		
Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999		1.55x	1.28x	1.20x			1.55x	1.28x	1.20x		4
2000	2.34x	1.91x	1.53x	1.43x	1.22x	2.34x	1.91x	1.53x	1.43x	1.21x	12
2001			2.01x					1.83x			2
2002			1.73x					1.60x			2
2003		1.31x	1.25x	1.11x			1.31x	1.24x	1.10x		5
2004		1.95x	1.42x	1.07x			1.65x	1.42x	1.03x		8
2005	1.33x	1.09x	0.94x	0.68x	0.42x	1.33x	1.09x	0.90x	0.66x	0.39x	29
2006	1.57x	1.17x	0.85x	0.51x	0.34x	1.55x	1.11x	0.84x	0.51x	0.34x	32
2007	1.68x	1.39x	1.19x	0.84x	0.42x	1.67x	1.36x	1.15x	0.76x	0.42x	57
2008	1.69x	1.58x	1.40x	1.05x	0.59x	1.68x	1.58x	1.40x	1.05x	0.58x	33
2009	2.02x	1.60x	1.38x	1.20x	0.83x	1.98x	1.60x	1.37x	1.20x	0.83x	17
2010	2.01x	1.70x	1.60x	1.27x	1.11x	1.73x	1.68x	1.57x	1.18x	0.97x	23
2011	2.19x	1.83x	1.54x	1.33x	1.12x	1.92x	1.71x	1.44x	1.21x	0.74x	40
2012	1.89x	1.58x	1.39x	1.27x	1.17x	1.88x	1.52x	1.37x	1.10x	0.94x	39
2013	1.77x	1.61x	1.39x	1.14x	0.96x	1.61x	1.47x	1.25x	0.75x	0.46x	52
2014	1.86x	1.66x	1.46x	1.20x	1.11x	1.57x	1.44x	1.05x	0.77x	0.47x	52
2015	1.78x	1.63x	1.37x	1.15x	1.04x	1.66x	1.45x	1.04x	0.57x	0.32x	68
2016	1.75x	1.51x	1.31x	1.19x	1.00x	1.62x	1.23x	0.79x	0.58x	0.26x	48
2017	1.79x	1.53x	1.34x	1.09x	0.98x	1.44x	1.06x	0.59x	0.33x	0.13x	68
2018	1.59x	1.37x	1.29x	1.13x	0.94x	1.03x	0.72x	0.43x	0.22x	0.08x	67
2019	1.56x	1.31x	1.20x	1.07x	0.90x	0.68x	0.44x	0.22x	0.12x	0.04x	55
2020	1.43x	1.25x	1.13x	1.01x	0.95x	0.34x	0.25x	0.17x	0.05x	0.00x	40
2021	1.30x	1.19x	1.06x	0.94x	0.70x	0.38x	0.22x	0.08x	0.01x	0.00x	77
2022	1.25x	1.12x	0.97x	0.82x	0.48x	0.51x	0.16x	0.03x	0.00x	0.00x	54

Note: All private capital returns are net of fees and carry.



Quarterly return

Qualitary return	•
Quarter end	1-quarter return
Q1 2001	4.52%
Q2 2001	1.63%
Q3 2001	0.30%
Q4 2001	2.12%
Q1 2002	1.54%
Q2 2002	1.83%
Q3 2002	1.86%
Q4 2002	-0.96%
Q1 2003	-0.83%
Q2 2003	2.13%
Q3 2003	5.18%
Q4 2003	10.09%
Q1 2004	-2.12%
Q2 2004	4.63%
Q3 2004	3.01%
Q4 2004	15.71%
Q1 2005	1.62%
Q2 2005	6.99%
Q3 2005	13.08%
Q4 2005	16.07%
Q1 2006	4.54%
Q2 2006	7.44%
Q3 2006	9.08%
Q4 2006	18.10%

Quarter end	1-quarter return
	•
Q1 2007	2.01%
Q2 2007	8.94%
Q3 2007	2.29%
Q4 2007	6.20%
Q1 2008	-2.53%
Q2 2008	-4.25%
Q3 2008	-8.59%
Q4 2008	-14.92%
Q1 2009	-19.97%
Q2 2009	-11.74%
Q3 2009	-5.72%
Q4 2009	-3.94%
Q1 2010	-5.63%
Q2 2010	5.43%
Q3 2010	3.46%
Q4 2010	8.11%
Q1 2011	4.55%
Q2 2011	3.43%
Q3 2011	0.01%
Q4 2011	0.16%
Q1 2012	3.94%
Q2 2012	0.29%
Q3 2012	4.69%
Q4 2012	2.72%

Quarter end	1-quarter return
Q1 2013	3.51%
Q2 2013	4.55%
Q3 2013	1.32%
Q4 2013	8.34%
Q1 2014	3.03%
Q2 2014	2.40%
Q3 2014	3.55%
Q4 2014	4.41%
Q1 2015	1.39%
Q2 2015	4.45%
Q3 2015	2.56%
Q4 2015	1.82%
Q1 2016	1.79%
Q2 2016	1.94%
Q3 2016	3.29%
Q4 2016	1.21%
Q1 2017	3.76%
Q2 2017	3.24%
Q3 2017	3.94%
Q4 2017	1.56%
Q1 2018	3.40%
Q2 2018	1.76%
Q3 2018	1.60%
Q4 2018	-0.80%

Quarter end	1-quarter return
Q1 2019	2.13%
Q2 2019	1.98%
Q3 2019	2.72%
Q4 2019	1.77%
Q1 2020	-2.87%
Q2 2020	-0.60%
Q3 2020	4.71%
Q4 2020	0.99%
Q1 2021	5.22%
Q2 2021	5.88%
Q3 2021	8.24%
Q4 2021	7.05%
Q1 2022	6.88%
Q2 2022	1.99%
Q3 2022	-1.59%
Q4 2022	-0.14%
Q1 2023	-0.23%
Q2 2023	-0.70%
Q3 2023	-1.30%
Q4 2023	-2.33%
Q1 2024*	-0.34%

*Preliminary figure

Source: PitchBook

◆ Geography: Global



IRRs by vintage

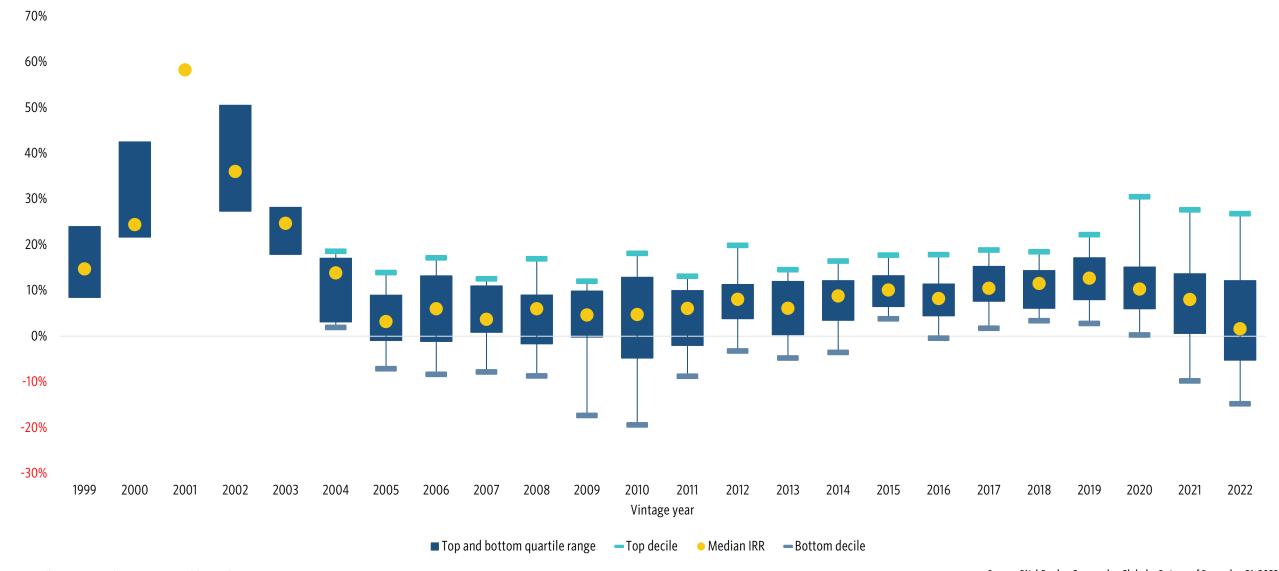
Pooled IRRs IRR quantiles

Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	25.37%	25.37%	1		24.00%	14.70%	8.50%		12.92%	5
2000					42.51%	24.43%	21.70%		22.64%	6
2001	49.72%	49.72%	1			58.25%			15.63%	2
2002	35.16%	40.15%	4		50.53%	36.05%	27.35%		13.65%	5
2003	28.03%	28.76%	2		28.20%	24.70%	17.90%		23.99%	9
2004	19.88%	14.47%	5	18.58%	17.08%	13.83%	3.13%	1.90%	9.19%	11
2005	6.58%	6.15%	9	13.90%	8.99%	3.20%	-0.93%	-7.11%	9.03%	17
2006	5.45%	3.53%	14	17.12%	13.20%	6.00%	-1.13%	-8.36%	12.84%	23
2007	4.20%	4.41%	19	12.54%	11.02%	3.69%	0.85%	-7.83%	11.91%	32
2008	3.99%	5.73%	24	16.92%	9.00%	5.99%	-1.68%	-8.70%	23.67%	33
2009	0.23%	1.18%	12	12.01%	9.88%	4.65%	-0.18%	-17.33%	11.88%	16
2010	3.77%	4.24%	22	18.12%	12.91%	4.73%	-4.78%	-19.40%	16.63%	28
2011	5.13%	3.32%	19	13.09%	10.00%	6.06%	-2.00%	-8.75%	11.30%	29
2012	7.43%	7.47%	29	19.88%	11.34%	8.05%	3.82%	-3.24%	50.42%	34
2013	7.88%	6.40%	26	14.53%	12.00%	6.10%	0.33%	-4.77%	7.88%	33
2014	8.36%	6.88%	43	16.43%	12.16%	8.82%	3.47%	-3.56%	11.92%	46
2015	10.05%	9.13%	38	17.72%	13.25%	10.08%	6.50%	3.78%	31.88%	33
2016	11.04%	8.71%	35	17.84%	11.44%	8.25%	4.48%	-0.43%	10.35%	45
2017	11.73%	9.22%	47	18.86%	15.28%	10.49%	7.64%	1.73%	7.69%	52
2018	10.86%	10.07%	40	18.48%	14.38%	11.53%	6.11%	3.38%	7.50%	39
2019	11.12%	14.40%	38	22.19%	17.17%	12.70%	8.00%	2.78%	9.69%	37
2020	13.56%	14.86%	32	30.52%	15.13%	10.30%	6.00%	0.27%	18.73%	48
2021	6.69%	13.66%	32	27.62%	13.67%	8.05%	0.60%	-9.77%	13.99%	33
2022	12.69%	9.45%	26	26.78%	12.16%	1.62%	-5.22%	-14.79%	23.36%	34

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

S&P 500 **Morningstar Real Assets**

Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	25.37%	7.22%	1.82	25.37%		1.59	1
2000							
2001	49.72%	7.72%	2.35	49.72%	6.05%	2.09	1
2002	35.16%	8.61%	1.58	35.16%	5.98%	1.53	4
2003	28.03%	10.40%	1.57	28.03%	5.70%	1.52	2
2004	19.88%	9.32%	1.43	19.88%	5.07%	1.33	5
2005	6.58%	9.44%	1.05	6.58%	4.63%	1.03	9
2006	5.45%	9.43%	0.89	5.45%	4.31%	1.03	14
2007	4.20%	9.22%	0.79	4.20%	4.11%	0.97	19
2008	3.99%	10.07%	0.65	3.99%	3.47%	0.99	24
2009	0.23%	14.52%	0.55	0.23%	4.73%	0.86	12
2010	3.77%	12.72%	0.65	3.77%	3.66%	1.05	22
2011	5.13%	12.30%	0.67	5.13%	2.68%	1.13	19
2012	7.43%	12.88%	0.79	7.43%	2.33%	1.24	29
2013	7.88%	12.70%	0.83	7.88%	2.33%	1.25	26
2014	8.36%	11.62%	0.86	8.36%	2.68%	1.23	43
2015	10.05%	11.26%	0.91	10.05%	2.56%	1.28	38
2016	11.04%	13.31%	0.95	11.04%	3.69%	1.29	35
2017	11.73%	12.11%	1.00	11.73%	3.36%	1.29	47
2018	10.86%	10.82%	1.01	10.86%	3.51%	1.22	40
2019	11.12%	12.87%	1.02	11.12%	3.83%	1.19	38
2020	13.56%	12.44%	1.12	13.56%	4.37%	1.24	32
2021	6.69%	7.03%	0.98	6.69%	2.59%	1.08	32
2022	12.69%	1.68%	1.02	12.69%	-3.79%	1.09	26

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Multiples by	Multiples by vintage									
		Pooled multiples		Ec	qual-weighted pooled multipl	es				
Vintage year	TVPI	DPI	RVPI	TVPI	DPI	RVPI	Number of funds			
1999	2.59x	2.47x	0.12x	2.59x	2.47x	0.12x	1			
2000										
2001	2.84x	2.84x	0.00x	2.84x	2.84x	0.00x	1			
2002	2.09x	2.09x	0.00x	2.25x	2.25x	0.00x	4			
2003	1.96x	1.95x	0.01x	2.11x	2.09x	0.02x	2			
2004	1.70x	1.62x	0.07x	1.67x	1.48x	0.19x	5			
2005	1.36x	1.27x	0.09x	1.29x	1.26x	0.04x	9			
2006	1.32x	1.27x	0.05x	1.23x	1.18x	0.05x	14			
2007	1.22x	1.21x	0.01x	1.25x	1.23x	0.02x	19			
2008	1.23x	1.16x	0.07x	1.37x	1.17x	0.20x	24			
2009	1.01x	0.81x	0.20x	1.07x	0.74x	0.33x	12			
2010	1.20x	1.08x	0.12x	1.30x	0.98x	0.32x	22			
2011	1.33x	1.01x	0.32x	1.23x	0.85x	0.38x	19			
2012	1.41x	1.06x	0.34x	1.44x	0.99x	0.45x	29			
2013	1.45x	0.91x	0.54x	1.35x	0.92x	0.43x	26			
2014	1.41x	0.92x	0.50x	1.36x	0.80x	0.57x	43			
2015	1.49x	0.83x	0.66x	1.44x	0.81x	0.63x	38			
2016	1.49x	0.71x	0.79x	1.43x	0.63x	0.80x	35			
2017	1.43x	0.48x	0.95x	1.34x	0.50x	0.84x	47			
2018	1.29x	0.25x	1.04x	1.32x	0.30x	1.02x	40			
2019	1.25x	0.24x	1.01x	1.37x	0.32x	1.05x	38			
2020	1.22x	0.09x	1.13x	1.26x	0.23x	1.04x	32			
2021	1.07x	0.08x	0.99x	1.19x	0.15x	1.04x	32			
2022	1.08x	0.14x	0.95x	1.09x	0.19x	0.90x	26			

Note: All private capital returns are net of fees and carry.



Real assets

Multiples by vintage

TVPI DPI

Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999			2.59x					2.47x			1
2000											
2001			2.84x					2.84x			1
2002		2.37x	2.06x	1.99x			2.37x	2.06x	1.99x		4
2003			2.19x					2.17x			2
2004		1.84x	1.64x	1.47x			1.84x	1.64x	1.47x		5
2005		1.59x	1.29x	1.02x			1.59x	1.29x	1.02x		9
2006	2.11x	1.48x	1.06x	0.72x	0.63x	2.06x	1.41x	1.06x	0.65x	0.56x	14
2007	1.62x	1.41x	1.15x	1.04x	0.91x	1.62x	1.41x	1.14x	1.04x	0.91x	19
2008	2.22x	1.71x	1.04x	0.80x	0.52x	1.90x	1.52x	0.87x	0.63x	0.25x	24
2009	1.54x	1.39x	1.11x	0.75x	0.35x	1.29x	1.11x	0.70x	0.43x	0.28x	12
2010	2.39x	1.74x	1.17x	0.83x	0.61x	1.58x	1.32x	0.94x	0.69x	0.37x	22
2011	1.97x	1.62x	1.37x	0.74x	0.34x	1.42x	1.21x	0.78x	0.56x	0.32x	19
2012	2.00x	1.76x	1.39x	1.14x	0.92x	1.51x	1.29x	0.99x	0.64x	0.38x	29
2013	2.01x	1.60x	1.31x	0.96x	0.78x	1.52x	1.30x	0.80x	0.57x	0.41x	26
2014	1.84x	1.62x	1.43x	1.15x	0.76x	1.43x	1.06x	0.78x	0.44x	0.25x	43
2015	1.88x	1.63x	1.45x	1.19x	1.04x	1.37x	1.08x	0.82x	0.48x	0.22x	38
2016	2.04x	1.72x	1.44x	1.22x	1.07x	1.21x	1.03x	0.44x	0.27x	0.20x	35
2017	1.70x	1.52x	1.41x	1.18x	1.00x	1.09x	0.68x	0.38x	0.16x	0.06x	47
2018	1.60x	1.48x	1.33x	1.18x	1.09x	0.51x	0.42x	0.28x	0.11x	0.04x	40
2019	1.66x	1.45x	1.28x	1.18x	1.11x	0.75x	0.50x	0.18x	0.07x	0.01x	38
2020	1.64x	1.31x	1.19x	1.13x	1.05x	0.75x	0.27x	0.05x	0.01x	0.00x	32
2021	1.42x	1.24x	1.08x	1.00x	0.92x	0.35x	0.07x	0.03x	0.01x	0.00x	32
2022	1.35x	1.11x	1.00x	0.94x	0.68x	0.21x	0.10x	0.01x	0.00x	0.00x	26

Note: All private capital returns are net of fees and carry.



Real assets

Quarterly return

\	
Quarter end	1-quarter return
Q1 2001	5.02%
Q2 2001	1.16%
Q3 2001	-7.17%
Q4 2001	11.36%
Q1 2002	0.21%
Q2 2002	3.94%
Q3 2002	-4.07%
Q4 2002	0.22%
Q1 2003	-1.73%
Q2 2003	7.85%
Q3 2003	0.44%
Q4 2003	13.08%
Q1 2004	3.33%
Q2 2004	0.46%
Q3 2004	10.27%
Q4 2004	19.29%
Q1 2005	20.66%
Q2 2005	31.70%
Q3 2005	13.44%
Q4 2005	3.15%
Q1 2006	9.15%
Q2 2006	9.69%
Q3 2006	4.13%
Q4 2006	7.40%

Quarter end	1-quarter return
Q1 2007	3.98%
Q2 2007	5.98%
Q3 2007	6.52%
Q4 2007	9.14%
Q1 2008	1.89%
Q2 2008	3.47%
Q3 2008	2.50%
Q4 2008	-6.27%
Q1 2009	-3.92%
Q2 2009	-0.13%
Q3 2009	4.21%
Q4 2009	3.49%
Q1 2010	-0.36%
Q2 2010	0.15%
Q3 2010	4.03%
Q4 2010	8.63%
Q1 2011	4.86%
Q2 2011	4.21%
Q3 2011	-1.67%
Q4 2011	4.35%
Q1 2012	2.11%
Q2 2012	-1.88%
Q3 2012	0.55%
Q4 2012	3.53%

Quarter end	1-quarter return
Q1 2013	3.41%
Q2 2013	-0.40%
Q3 2013	2.51%
Q4 2013	2.49%
Q1 2014	2.69%
Q2 2014	6.83%
Q3 2014	2.75%
Q4 2014	-4.58%
Q1 2015	-0.36%
Q2 2015	1.85%
Q3 2015	-2.58%
Q4 2015	-2.30%
Q1 2016	-0.83%
Q2 2016	5.68%
Q3 2016	2.18%
Q4 2016	5.20%
Q1 2017	3.28%
Q2 2017	2.28%
Q3 2017	1.52%
Q4 2017	0.92%
Q1 2018	2.46%
Q2 2018	2.55%
Q3 2018	5.04%
Q4 2018	-1.76%

Quarter end	1-quarter return
Q1 2019	1.31%
Q2 2019	-1.17%
Q3 2019	-0.23%
Q4 2019	0.32%
Q1 2020	-10.21%
Q2 2020	2.03%
Q3 2020	2.22%
Q4 2020	4.37%
Q1 2021	4.13%
Q2 2021	7.10%
Q3 2021	2.43%
Q4 2021	6.69%
Q1 2022	6.38%
Q2 2022	3.01%
Q3 2022	2.46%
Q4 2022	1.29%
Q1 2023	2.65%
Q2 2023	1.92%
Q3 2023	0.96%
Q4 2023	3.34%
Q1 2024*	2.12%

*Preliminary figure

Source: PitchBook • Geography: Global



IRRs by vintage

Pooled IRRs IRR quantiles

Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	12.81%	13.69%	2	18.70%	17.28%	13.14%	11.05%	7.81%	5.61%	12
2000	12.15%	7.62%	10	18.58%	15.61%	9.15%	7.73%	2.80%	9.26%	18
2001	25.12%	21.17%	8	27.47%	21.47%	11.36%	9.69%	1.50%	10.86%	17
2002	18.80%	18.53%	12	37.91%	26.77%	17.20%	10.07%	6.56%	18.70%	16
2003	12.40%	11.68%	8	19.00%	13.95%	9.50%	7.79%	4.52%	8.37%	19
2004	4.98%	6.17%	10	14.24%	11.23%	8.60%	4.05%	-2.28%	9.34%	20
2005	7.92%	9.67%	12	13.45%	9.34%	6.45%	3.86%	0.88%	5.81%	24
2006	7.21%	6.61%	27	14.90%	9.16%	7.52%	4.48%	0.12%	7.19%	42
2007	6.41%	6.31%	28	17.00%	11.30%	7.80%	1.60%	-4.98%	8.19%	31
2008	12.84%	10.58%	32	20.24%	13.93%	9.20%	6.67%	2.82%	15.71%	59
2009	8.70%	10.13%	25	19.92%	14.60%	9.79%	7.64%	2.48%	7.63%	33
2010	10.51%	11.53%	31	21.84%	13.81%	10.24%	7.74%	5.96%	7.07%	42
2011	8.07%	6.71%	26	13.08%	10.76%	8.64%	6.53%	4.90%	4.81%	36
2012	5.50%	5.67%	31	12.62%	10.10%	7.93%	4.78%	1.19%	7.18%	44
2013	7.29%	7.19%	39	13.39%	10.63%	8.12%	5.69%	4.59%	3.87%	56
2014	6.73%	8.00%	50	11.59%	9.53%	7.23%	5.44%	2.28%	5.81%	63
2015	7.49%	7.20%	66	14.78%	10.51%	8.14%	6.70%	2.53%	4.92%	77
2016	10.00%	9.45%	53	18.14%	12.00%	9.67%	7.63%	5.37%	5.71%	60
2017	6.32%	7.35%	65	13.09%	11.10%	8.77%	6.44%	2.44%	5.36%	70
2018	9.11%	9.70%	67	16.60%	11.90%	9.97%	7.60%	6.07%	7.58%	81
2019	11.28%	11.50%	62	16.00%	12.75%	10.14%	8.50%	6.51%	4.38%	71
2020	11.64%	10.10%	57	18.67%	13.71%	10.84%	8.26%	7.20%	5.00%	78
2021	11.54%	11.60%	93	18.89%	13.35%	10.44%	8.75%	5.57%	26.81%	106
2022	9.17%	8.29%	58	18.63%	12.91%	10.02%	6.60%	-0.00%	21.57%	64

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

S&P 500 Morningstar Global High Yield

Vintage year Pooled IRR Index return N.F.ME Pooled IRR Index return N.F.ME Number of funds	3XF 300			IVIO				
2000 12.15% 6.94% 1.26 12.15% 6.11% 1.06 10	Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
2001 2512% 7.72% 158 2512% 6.36% 1.39 8	1999	12.81%	7.22%	1.75	12.81%		1.28	2
2002 18.80% 8.61% 1.32 18.80% 6.73% 1.22 12 2003 12.40% 10.40% 1.28 12.40% 6.87% 1.18 8 2004 4.98% 9.32% 0.99 4.98% 5.95% 0.91 10 2005 7.92% 9.44% 1.17 7.92% 5.74% 1.00 12 2006 7.21% 9.43% 1.03 7.21% 5.89% 0.93 27 2007 6.41% 9.22% 0.97 6.41% 5.53% 0.87 28 2008 12.84% 10.07% 1.03 12.84% 5.96% 0.99 32 2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50%	2000	12.15%	6.94%	1.26	12.15%	6.11%	1.06	10
2003 12.40% 10.40% 1.28 12.40% 6.87% 1.18 8 2004 4.98% 9.32% 0.99 4.88% 5.95% 0.91 10 2005 7.92% 9.44% 1.17 7.92% 5.74% 1.00 12 2006 7.21% 9.43% 1.03 7.21% 5.89% 0.93 27 2007 6.41% 9.22% 0.97 6.41% 5.53% 0.87 28 2008 12.84% 10.07% 1.03 12.84% 5.96% 0.99 32 2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.20% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% <	2001	25.12%	7.72%	1.58	25.12%	6.36%	1.39	8
2004 4.98% 9.32% 0.99 4.98% 5.95% 0.91 10 2005 7.92% 9.44% 1.17 7.92% 5.74% 1.00 12 2006 7.21% 9.43% 1.03 7.21% 5.89% 0.93 27 2007 6.41% 9.22% 0.97 6.41% 5.53% 0.87 28 2008 12.84% 10.07% 1.03 12.84% 5.96% 0.99 32 2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% <t< td=""><td>2002</td><td>18.80%</td><td>8.61%</td><td>1.32</td><td>18.80%</td><td>6.73%</td><td>1.22</td><td>12</td></t<>	2002	18.80%	8.61%	1.32	18.80%	6.73%	1.22	12
2005 7,92% 9,44% 1.17 7,92% 5,74% 1.00 12 2006 7,21% 9,43% 1.03 7,21% 5,89% 0,93 27 2007 6,41% 9,22% 0,97 6,41% 5,53% 0,87 28 2008 12,84% 10,07% 1.03 12,84% 5,96% 0,99 32 2009 8,70% 14,52% 0.86 8,70% 8,08% 0,99 25 2010 10,51% 12,72% 0.89 10,51% 5,32% 1,14 31 2011 8,07% 12,30% 0.89 8,07% 4,61% 1,07 26 2012 5,50% 12,88% 0,77 5,50% 4,58% 1,02 31 2013 7,29% 12,70% 0.86 7,29% 3,72% 1,09 39 2014 6,73% 11,62% 0.81 6,73% 3,20% 1,09 50 2015 7,49% <	2003	12.40%	10.40%	1.28	12.40%	6.87%	1.18	8
2006 7.21% 9.43% 1.03 7.21% 5.89% 0.93 27 2007 6.41% 9.22% 0.97 6.41% 5.53% 0.87 28 2008 12,84% 10.07% 1.03 12,84% 5.96% 0.99 32 2009 8.70% 14,52% 0.86 8.70% 8.08% 0.99 25 2010 10,51% 12,72% 0.89 10,51% 5.32% 1.14 31 2011 8.07% 12,30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12,88% 0.77 5.50% 4.88% 1.02 31 2013 7.29% 12,70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11,62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11,26% 0.86 7.49% 3.59% 1.11 66 2016 10.00%	2004	4.98%	9.32%	0.99	4.98%	5.95%	0.91	10
2007 6.41% 9.22% 0.97 6.41% 5.53% 0.87 28 2008 12.84% 10.07% 1.03 12.84% 5.96% 0.99 32 2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.86 7.49% 3.69% 1.11 66 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32%	2005	7.92%	9.44%	1.17	7.92%	5.74%	1.00	12
2008 12.84% 10.07% 1.03 12.84% 5.96% 0.99 32 2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11%	2006	7.21%	9.43%	1.03	7.21%	5.89%	0.93	27
2009 8.70% 14.52% 0.86 8.70% 8.08% 0.99 25 2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28%	2007	6.41%	9.22%	0.97	6.41%	5.53%	0.87	28
2010 10.51% 12.72% 0.89 10.51% 5.32% 1.14 31 2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 120 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64%	2008	12.84%	10.07%	1.03	12.84%	5.96%	0.99	32
2011 8.07% 12.30% 0.89 8.07% 4.61% 1.07 26 2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54%	2009	8.70%	14.52%	0.86	8.70%	8.08%	0.99	25
2012 5.50% 12.88% 0.77 5.50% 4.58% 1.02 31 2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2010	10.51%	12.72%	0.89	10.51%	5.32%	1.14	31
2013 7.29% 12.70% 0.86 7.29% 3.72% 1.09 39 2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2011	8.07%	12.30%	0.89	8.07%	4.61%	1.07	26
2014 6.73% 11.62% 0.81 6.73% 3.20% 1.09 50 2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2012	5.50%	12.88%	0.77	5.50%	4.58%	1.02	31
2015 7.49% 11.26% 0.86 7.49% 3.69% 1.11 66 2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2013	7.29%	12.70%	0.86	7.29%	3.72%	1.09	39
2016 10.00% 13.31% 0.92 10.00% 5.00% 1.21 53 2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2014	6.73%	11.62%	0.81	6.73%	3.20%	1.09	50
2017 6.32% 12.11% 0.84 6.32% 3.29% 1.10 65 2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2015	7.49%	11.26%	0.86	7.49%	3.69%	1.11	66
2018 9.11% 10.82% 0.93 9.11% 2.46% 1.20 67 2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2016	10.00%	13.31%	0.92	10.00%	5.00%	1.21	53
2019 11.28% 12.87% 1.00 11.28% 2.89% 1.22 62 2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2017	6.32%	12.11%	0.84	6.32%	3.29%	1.10	65
2020 11.64% 12.44% 1.06 11.64% 2.45% 1.20 57 2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2018	9.11%	10.82%	0.93	9.11%	2.46%	1.20	67
2021 11.54% 7.03% 1.07 11.54% -1.02% 1.15 93	2019	11.28%	12.87%	1.00	11.28%	2.89%	1.22	62
	2020	11.64%	12.44%	1.06	11.64%	2.45%	1.20	57
2022 9.17% 1.68% 1.01 9.17% -1.08% 1.06 58	2021	11.54%	7.03%	1.07	11.54%	-1.02%	1.15	93
	2022	9.17%	1.68%	1.01	9.17%	-1.08%	1.06	58

Note: All private capital returns are net of fees and carry.



Multiples by vintage

-		Pooled multiples		Ec	qual-weighted pooled multipl	es	
Vintage year	TVPI	DPI	RVPI	TVPI	DPI	RVPI	Number of funds
1999	1.49x	1.49x	0.00x	1.46x	1.46x	0.00x	2
2000	1.45x	1.44x	0.01x	1.33x	1.32x	0.01x	10
2001	2.00x	2.00x	0.00x	1.98x	1.97x	0.00x	8
2002	1.75x	1.73x	0.02x	1.69x	1.67x	0.02x	12
2003	1.70x	1.70x	0.00x	1.69x	1.69x	0.00x	8
2004	1.22x	1.22x	0.00x	1.30x	1.30x	0.01x	10
2005	1.60x	1.56x	0.04x	1.87x	1.77x	0.10x	12
2006	1.40x	1.38x	0.02x	1.39x	1.36x	0.03x	27
2007	1.23x	1.23x	0.01x	1.27x	1.26x	0.01x	28
2008	1.59x	1.56x	0.02x	1.45x	1.42x	0.03x	32
2009	1.39x	1.37x	0.02x	1.39x	1.36x	0.03x	25
2010	1.42x	1.38x	0.04x	1.47x	1.40x	0.06x	31
2011	1.31x	1.21x	0.10x	1.25x	1.12x	0.13x	26
2012	1.23x	1.13x	0.10x	1.25x	1.12x	0.12x	31
2013	1.27x	1.16x	0.11x	1.29x	1.08x	0.21x	39

1.33x

1.27x

1.32x

1.23x

1.28x

1.25x

1.18x

1.16x

1.09x

1.12x

0.92x

0.92x

0.74x

0.63x

0.53x

0.37x

0.28x

0.24x

0.25x

0.37x

0.51x

0.51x

0.77x

0.75x

0.86x

0.92x

0.88x

Note: All private capital returns are net of fees and carry.

1.30x

1.27x

1.36x

1.21x

1.29x

1.26x

1.21x

1.16x

1.10x

1.05x

0.90x

0.85x

0.70x

0.52x

0.51x

0.35x

0.24x

0.22x

Source: PitchBook ● Geography: Global ● Data as of December 31, 2023

0.21x

0.34x

0.40x

0.49x

0.64x

0.73x

0.81x

0.88x

0.85x

50

66

53

65

67

62

57

93

58

2014

2015

2016

2017

2018

2019

2020

2021

2022



Multiples by vintage

TVPI DPI

Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999			1.46x					1.46x			2
2000	1.58x	1.52x	1.48x	1.27x	0.88x	1.58x	1.52x	1.44x	1.24x	0.88x	10
2001		2.24x	1.78x	1.55x			2.24x	1.78x	1.54x		8
2002	2.35x	1.80x	1.67x	1.47x	1.25x	2.19x	1.80x	1.67x	1.47x	1.23x	12
2003		1.78x	1.54x	1.47x			1.78x	1.54x	1.47x		8
2004	1.92x	1.65x	1.35x	1.16x	0.61x	1.91x	1.65x	1.34x	1.16x	0.61x	10
2005	1.59x	1.58x	1.42x	1.20x	0.71x	1.58x	1.54x	1.32x	1.19x	0.71x	12
2006	1.83x	1.45x	1.33x	1.16x	0.84x	1.83x	1.41x	1.31x	1.16x	0.70x	27
2007	1.67x	1.48x	1.24x	1.09x	0.82x	1.67x	1.47x	1.24x	1.06x	0.81x	28
2008	1.73x	1.54x	1.37x	1.17x	1.05x	1.73x	1.53x	1.33x	1.17x	1.04x	32
2009	1.77x	1.53x	1.40x	1.19x	1.09x	1.76x	1.53x	1.39x	1.19x	1.01x	25
2010	1.76x	1.63x	1.39x	1.30x	1.17x	1.72x	1.53x	1.35x	1.22x	1.17x	31
2011	1.69x	1.47x	1.23x	1.08x	0.84x	1.54x	1.31x	1.13x	0.98x	0.81x	26
2012	1.68x	1.41x	1.18x	1.04x	0.94x	1.52x	1.34x	1.13x	0.97x	0.83x	31
2013	1.54x	1.36x	1.27x	1.18x	1.05x	1.36x	1.27x	1.14x	1.03x	0.83x	39
2014	1.75x	1.45x	1.27x	1.12x	1.07x	1.41x	1.25x	1.11x	0.98x	0.77x	50
2015	1.55x	1.39x	1.22x	1.12x	1.01x	1.18x	1.07x	0.93x	0.78x	0.57x	66
2016	1.63x	1.42x	1.30x	1.16x	1.07x	1.22x	1.13x	0.93x	0.74x	0.47x	53
2017	1.56x	1.41x	1.25x	1.16x	0.91x	1.08x	0.96x	0.68x	0.56x	0.42x	65
2018	1.61x	1.40x	1.25x	1.17x	1.03x	1.02x	0.79x	0.54x	0.36x	0.26x	67
2019	1.50x	1.35x	1.22x	1.15x	1.09x	0.81x	0.66x	0.45x	0.30x	0.15x	62
2020	1.39x	1.25x	1.18x	1.12x	1.09x	0.67x	0.48x	0.31x	0.14x	0.04x	57
2021	1.35x	1.23x	1.14x	1.08x	1.02x	0.53x	0.37x	0.20x	0.08x	0.00x	93
2022	1.20x	1.17x	1.09x	1.03x	0.98x	0.42x	0.28x	0.11x	0.02x	0.00x	58

Note: All private capital returns are net of fees and carry.



Quarterly return

\	
Quarter end	1-quarter return
Q1 2001	2.43%
Q2 2001	1.95%
Q3 2001	-0.30%
Q4 2001	1.07%
Q1 2002	2.54%
Q2 2002	-2.96%
Q3 2002	-0.47%
Q4 2002	3.17%
Q1 2003	4.40%
Q2 2003	5.92%
Q3 2003	-1.80%
Q4 2003	6.40%
Q1 2004	8.19%
Q2 2004	9.40%
Q3 2004	3.21%
Q4 2004	14.06%
Q1 2005	3.79%
Q2 2005	-1.25%
Q3 2005	5.89%
Q4 2005	3.95%
Q1 2006	4.22%
Q2 2006	4.36%
Q3 2006	2.95%
Q4 2006	8.32%

Quarter end	1-quarter return
Q1 2007	1.90%
Q2 2007	8.35%
Q3 2007	1.91%
Q4 2007	1.26%
Q1 2008	-2.54%
Q2 2008	-0.06%
Q3 2008	-8.96%
Q4 2008	-14.40%
Q1 2009	-4.09%
Q2 2009	10.90%
Q3 2009	11.45%
Q4 2009	5.29%
Q1 2010	6.24%
Q2 2010	2.17%
Q3 2010	4.44%
Q4 2010	7.98%
Q1 2011	4.42%
Q2 2011	3.07%
Q3 2011	-5.17%
Q4 2011	0.60%
Q1 2012	5.87%
Q2 2012	-0.49%
Q3 2012	7.67%
Q4 2012	0.48%

Quarter end	1-quarter return
Q1 2013	4.70%
Q2 2013	1.26%
Q3 2013	3.38%
Q4 2013	1.29%
Q1 2014	5.21%
Q2 2014	3.34%
Q3 2014	1.50%
Q4 2014	2.03%
Q1 2015	2.41%
Q2 2015	2.36%
Q3 2015	-0.23%
Q4 2015	-0.16%
Q1 2016	2.12%
Q2 2016	0.73%
Q3 2016	3.76%
Q4 2016	2.12%
Q1 2017	1.95%
Q2 2017	3.06%
Q3 2017	1.94%
Q4 2017	2.88%
Q1 2018	3.79%
Q2 2018	0.49%
Q3 2018	-0.22%
Q4 2018	0.51%

Quarter end	1-quarter return
Q1 2019	1.76%
Q2 2019	1.87%
Q3 2019	1.86%
Q4 2019	2.31%
Q1 2020	-6.85%
Q2 2020	2.37%
Q3 2020	3.34%
Q4 2020	3.44%
Q1 2021	5.21%
Q2 2021	7.45%
Q3 2021	0.92%
Q4 2021	2.08%
Q1 2022	2.75%
Q2 2022	0.23%
Q3 2022	-0.38%
Q4 2022	2.76%
Q1 2023	2.57%
Q2 2023	1.95%
Q3 2023	2.64%
Q4 2023	2.26%
Q1 2024*	2.03%

Source: PitchBook • Geography: Global

*Preliminary figure



IRRs by vintage

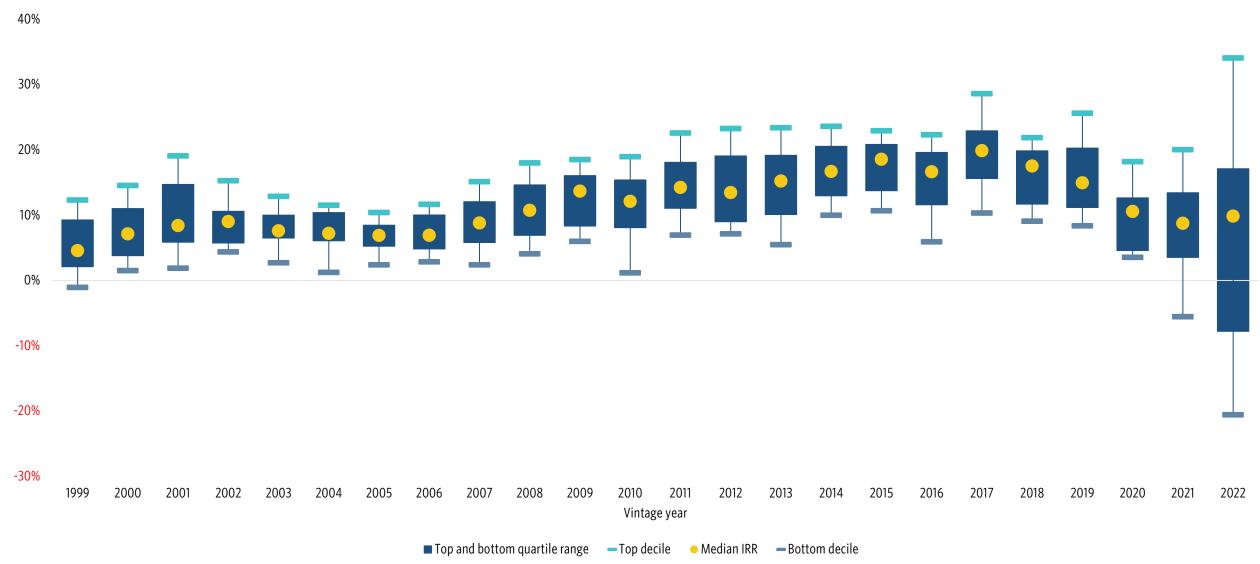
Pooled IRRs IRR quantiles

							1.1			
Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	5.44%	5.21%	9	12.32%	9.28%	4.56%	2.11%	-1.08%	5.66%	34
2000	7.83%	7.85%	8	14.54%	11.00%	7.14%	3.80%	1.51%	5.53%	41
2001	12.20%	9.15%	9	19.08%	14.71%	8.42%	5.85%	1.88%	9.28%	36
2002	7.73%	6.44%	4	15.28%	10.60%	9.03%	5.73%	4.37%	5.62%	26
2003	7.25%	5.82%	7	12.86%	10.01%	7.60%	6.50%	2.70%	5.27%	31
2004	8.31%	8.04%	9	11.53%	10.40%	7.20%	6.09%	1.23%	7.83%	45
2005	7.30%	6.51%	19	10.40%	8.45%	6.88%	5.25%	2.39%	11.20%	63
2006	8.56%	9.73%	34	11.64%	10.04%	6.91%	4.83%	2.84%	3.82%	75
2007	10.55%	9.22%	44	15.13%	12.07%	8.81%	5.82%	2.38%	5.95%	108
2008	5.12%	10.53%	43	17.98%	14.64%	10.74%	6.91%	4.08%	5.65%	91
2009	12.77%	12.04%	30	18.50%	16.06%	13.68%	8.35%	5.98%	5.68%	48
2010	12.46%	12.63%	37	18.95%	15.39%	12.10%	8.09%	1.16%	7.50%	63
2011	15.32%	16.16%	39	22.56%	18.10%	14.24%	11.06%	6.95%	7.32%	62
2012	15.34%	14.84%	39	23.26%	19.07%	13.45%	9.00%	7.13%	6.59%	52
2013	14.49%	15.05%	41	23.37%	19.18%	15.21%	10.11%	5.47%	7.26%	50
2014	15.30%	16.30%	40	23.59%	20.53%	16.70%	12.96%	9.97%	33.87%	65
2015	17.97%	18.02%	38	22.91%	20.82%	18.56%	13.75%	10.67%	5.31%	52
2016	17.11%	16.61%	37	22.29%	19.61%	16.63%	11.60%	5.92%	6.87%	47
2017	11.62%	16.78%	32	28.60%	22.92%	19.88%	15.61%	10.33%	7.47%	40
2018	16.42%	15.27%	26	21.87%	19.86%	17.52%	11.70%	9.06%	6.27%	37
2019	17.97%	16.34%	30	25.61%	20.26%	14.94%	11.17%	8.37%	9.60%	38
2020	4.71%	3.80%	23	18.19%	12.66%	10.58%	4.58%	3.54%	10.54%	32
2021	9.37%	11.36%	25	20.02%	13.42%	8.75%	3.53%	-5.57%	10.54%	35
2022	4.09%	2.12%	32	34.06%	17.10%	9.86%	-7.80%	-20.58%	24.21%	33

Note: All private capital returns are net of fees and carry.



IRRs by vintage



Note: All private capital returns are net of fees and carry.



PMEs by vintage

,	J	S&P 500			Morningstar Global		
Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	5.44%	7.22%	1.05	5.44%	6.59%	0.92	9
2000	7.83%	6.94%	1.07	7.83%	5.97%	0.97	8
2001	12.20%	7.72%	1.16	12.20%	6.86%	1.08	9
2002	7.73%	8.61%	1.04	7.73%	7.84%	1.01	4
2003	7.25%	10.40%	1.01	7.25%	9.33%	1.07	7
2004	8.31%	9.32%	1.02	8.31%	7.83%	1.09	9
2005	7.30%	9.44%	0.94	7.30%	7.57%	1.05	19
2006	8.56%	9.43%	0.89	8.56%	7.00%	1.06	34
2007	10.55%	9.22%	0.91	10.55%	6.38%	1.11	44
2008	5.12%	10.07%	0.60	5.12%	6.70%	0.75	43
2009	12.77%	14.52%	0.96	12.77%	11.30%	1.18	30
2010	12.46%	12.72%	0.95	12.46%	8.81%	1.17	37
2011	15.32%	12.30%	1.09	15.32%	8.10%	1.32	39
2012	15.34%	12.88%	1.14	15.34%	9.00%	1.39	39
2013	14.49%	12.70%	1.10	14.49%	8.61%	1.31	41
2014	15.30%	11.62%	1.12	15.30%	7.75%	1.32	40
2015	17.97%	11.26%	1.24	17.97%	7.86%	1.45	38
2016	17.11%	13.31%	1.19	17.11%	10.09%	1.37	37
2017	11.62%	12.11%	0.86	11.62%	8.70%	1.00	32
2018	16.42%	10.82%	1.16	16.42%	6.60%	1.29	26
2019	17.97%	12.87%	1.18	17.97%	8.90%	1.27	30
2020	4.71%	12.44%	0.95	4.71%	8.72%	1.02	23
2021	9.37%	7.03%	1.01	9.37%	2.10%	1.06	25
2022	4.09%	1.68%	0.87	4.09%	-0.88%	0.95	32

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Pooled multiples **Equal-weighted pooled multiples** Number of funds Vintage year TVPI DPI RVPI TVPI DPI RVPI 1.33x 1.31x 1999 1.32x 1.31x 0.01x 0.02x 1.45x 1.47x 2000 1.46x 0.01x 1.46x 0.01x 8 0.01x 1.52x 2001 1.63x 1.61x 1.47x 0.05x 9 2002 1.44x 1.44x 0.00x 1.38x 1.37x 0.00x 1.55x 2003 1.56x 0.01x 1.40x 1.39x 0.01x 7 2004 1.60x 1.55x 0.05x 1.62x 1.54x 0.07x 9 1.54x 1.50x 1.48x 0.08x 19 2005 0.04x 1.41x 1.74x 1.63x 1.94x 34 2006 0.10x 1.82x 0.12x 2007 1.93x 1.68x 0.25x 1.76x 1.58x 0.17x 44 2008 1.40x 1.21x 0.18x 1.87x 1.54x 0.32x 43 1.59x 2009 2.05x 0.45x 1.95x 1.56x 0.39x 30 1.98x 1.51x 0.47x 2.08x 1.51x 0.58x 37 2010 0.67x 2011 2.22x 1.55x 2.37x 1.65x 0.72x 39 39 2012 2.31x 1.39x 0.92x 2.19x 1.37x 0.82x 2.09x 1.13x 0.97x 2.15x 0.97x 41 2013 1.19x 2.01x 0.98x 1.03x 2.16x 1.13x 40 2014 1.03x 2015 2.12x 0.72x 1.40x 2.16x 0.81x 1.34x 38 37 1.92x 0.61x 1.31x 1.87x 0.61x 1.27x 2016 32 2017 1.64x 0.50x 1.14x 1.76x 0.45x 1.31x

1.56x

1.41x

1.08x

1.17x

1.04x

0.21x

0.19x

0.09x

0.21x

0.13x

1.35x

1.17x

1.00x

1.04x

0.98x

Note: All private capital returns are net of fees and carry.

1.59x

1.42x

1.09x

1.14x

1.07x

0.23x

0.25x

0.09x

0.10x

0.10x

Source: PitchBook ● Geography: Global ● Data as of December 31, 2023

1.35x

1.21x

0.98x

0.96x

0.90x

26

30

23

25

32

2018

2019

2020

2021

2022



Multiples by vintage

TVPI DPI

Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999		1.52x	1.18x	1.14x			1.51x	1.18x	1.14x		9
2000		1.65x	1.53x	1.26x			1.64x	1.53x	1.24x		8
2001		1.72x	1.67x	1.38x			1.70x	1.45x	1.38x		9
2002		1.44x	1.40x	1.33x			1.44x	1.40x	1.33x		4
2003		1.61x	1.51x	1.28x			1.60x	1.49x	1.26x		7
2004		1.62x	1.60x	1.44x			1.60x	1.58x	1.39x		9
2005	1.82x	1.69x	1.49x	1.35x	1.23x	1.70x	1.63x	1.42x	1.32x	0.97x	19
2006	2.08x	1.87x	1.61x	1.41x	1.26x	1.91x	1.73x	1.55x	1.32x	1.24x	34
2007	2.39x	2.00x	1.61x	1.41x	1.13x	2.05x	1.85x	1.53x	1.36x	0.97x	44
2008	2.76x	2.28x	1.85x	1.37x	1.05x	2.09x	1.87x	1.60x	1.16x	0.80x	43
2009	2.46x	2.32x	1.94x	1.49x	1.34x	2.22x	1.91x	1.59x	1.22x	1.02x	30
2010	3.52x	2.32x	1.76x	1.52x	1.35x	2.47x	1.65x	1.45x	1.13x	0.95x	37
2011	3.98x	2.43x	2.12x	1.68x	1.36x	2.67x	1.77x	1.45x	1.24x	0.75x	39
2012	3.27x	2.90x	2.06x	1.50x	1.34x	2.07x	1.75x	1.31x	1.00x	0.83x	39
2013	3.15x	2.50x	2.10x	1.68x	1.35x	1.74x	1.54x	1.11x	0.94x	0.46x	41
2014	3.23x	2.43x	1.99x	1.75x	1.60x	1.50x	1.20x	0.99x	0.86x	0.61x	40
2015	2.96x	2.53x	2.08x	1.83x	1.60x	1.23x	0.99x	0.77x	0.56x	0.39x	38
2016	2.44x	2.12x	1.88x	1.67x	1.33x	0.93x	0.78x	0.55x	0.40x	0.31x	37
2017	2.26x	2.08x	1.76x	1.54x	1.33x	1.08x	0.63x	0.28x	0.17x	0.12x	32
2018	1.89x	1.81x	1.53x	1.38x	1.27x	0.39x	0.31x	0.16x	0.08x	0.02x	26
2019	1.58x	1.56x	1.42x	1.27x	1.15x	0.34x	0.23x	0.13x	0.03x	0.00x	30
2020	1.28x	1.18x	1.07x	0.95x	0.88x	0.18x	0.11x	0.04x	0.01x	0.00x	23
2021	1.34x	1.24x	1.12x	1.06x	1.01x	0.46x	0.05x	0.02x	0.00x	0.00x	25
2022	1.21x	1.14x	1.08x	0.86x	0.79x	0.13x	0.04x	0.00x	0.00x	0.00x	32

Note: All private capital returns are net of fees and carry.



Quarterly return

~ • • • • • • • • • • • • • • • • • • •	
Quarter end	1-quarter return
Q1 2001	-8.44%
Q2 2001	-7.45%
Q3 2001	-9.65%
Q4 2001	-4.33%
Q1 2002	-10.46%
Q2 2002	-5.32%
Q3 2002	-6.93%
Q4 2002	-3.88%
Q1 2003	-7.62%
Q2 2003	3.75%
Q3 2003	0.33%
Q4 2003	-0.55%
Q1 2004	5.26%
Q2 2004	0.86%
Q3 2004	4.84%
Q4 2004	6.90%
Q1 2005	2.05%
Q2 2005	6.00%
Q3 2005	5.57%
Q4 2005	7.68%
Q1 2006	4.89%
Q2 2006	6.49%
Q3 2006	4.61%
Q4 2006	8.45%

Quarter end	1-quarter return
Q1 2007	1.77%
Q2 2007	10.78%
Q3 2007	4.21%
Q4 2007	4.57%
Q1 2008	7.98%
Q2 2008	-2.08%
Q3 2008	-6.38%
Q4 2008	-10.68%
Q1 2009	-2.91%
Q2 2009	-4.99%
Q3 2009	5.83%
Q4 2009	3.15%
Q1 2010	6.16%
Q2 2010	-1.01%
Q3 2010	4.88%
Q4 2010	2.46%
Q1 2011	4.81%
Q2 2011	5.81%
Q3 2011	-1.79%
Q4 2011	0.25%
Q1 2012	4.99%
Q2 2012	1.16%
Q3 2012	-1.57%
Q4 2012	4.41%

Quarter end	1-quarter return
Q1 2013	2.44%
Q2 2013	2.94%
Q3 2013	2.61%
Q4 2013	4.17%
Q1 2014	2.46%
Q2 2014	6.41%
Q3 2014	1.96%
Q4 2014	1.68%
Q1 2015	3.93%
Q2 2015	5.35%
Q3 2015	2.20%
Q4 2015	-0.00%
Q1 2016	1.65%
Q2 2016	1.23%
Q3 2016	4.14%
Q4 2016	0.61%
Q1 2017	3.32%
Q2 2017	3.92%
Q3 2017	3.67%
Q4 2017	1.30%
Q1 2018	5.30%
Q2 2018	5.61%
Q3 2018	2.93%
Q4 2018	2.08%

Quarter end	1-quarter return
Q1 2019	2.17%
Q2 2019	3.81%
Q3 2019	1.70%
Q4 2019	2.78%
Q1 2020	-0.61%
Q2 2020	3.28%
Q3 2020	7.67%
Q4 2020	16.81%
Q1 2021	10.25%
Q2 2021	16.76%
Q3 2021	7.39%
Q4 2021	3.83%
Q1 2022	1.63%
Q2 2022	-2.08%
Q3 2022	-1.45%
Q4 2022	-4.12%
Q1 2023	0.79%
Q2 2023	0.83%
Q3 2023	1.08%
Q4 2023	0.70%
Q1 2024*	5.21%

*Preliminary figure

Source: PitchBook • Geography: Global



IRRs by vintage

Pooled IRRs IRR quantiles

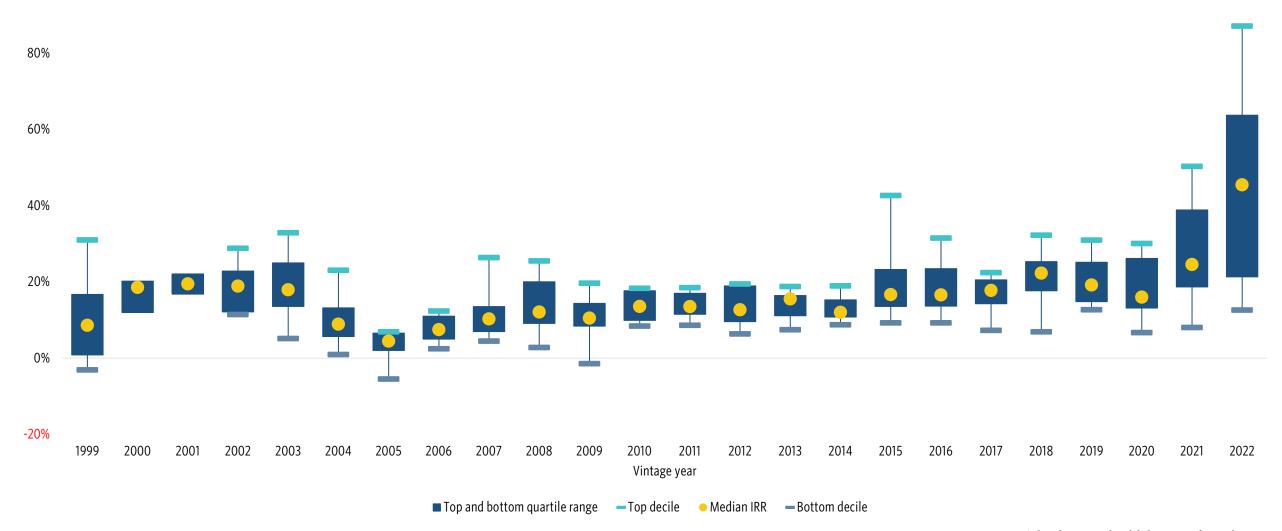
Vintage year	Pooled IRR	Equal-weighted pooled IRR	Number of funds	Top decile	Top quartile	Median IRR	Bottom quartile	Bottom decile	Standard deviation	Number of funds
1999	7.32%	5.51%	3	31.00%	16.75%	8.62%	0.85%	-3.09%	14.81%	11
2000	15.09%	14.35%	3		20.20%	18.60%	12.00%		7.45%	5
2001	14.09%	16.01%	2		22.11%	19.52%	16.80%		5.51%	5
2002	16.08%	18.07%	4	28.82%	22.88%	18.93%	12.16%	11.43%	13.04%	10
2003	37.92%	37.92%	1	32.90%	25.01%	17.97%	13.60%	5.16%	9.98%	11
2004	9.08%	7.68%	6	23.09%	13.18%	8.90%	5.70%	0.95%	12.84%	13
2005	6.70%	6.10%	11	6.89%	6.55%	4.47%	2.05%	-5.50%	5.42%	11
2006	7.25%	8.49%	8	12.38%	11.00%	7.50%	5.02%	2.44%	3.84%	13
2007	5.48%	9.36%	10	26.40%	13.54%	10.30%	7.00%	4.48%	20.96%	15
2008	12.28%	12.90%	13	25.52%	20.04%	12.11%	9.11%	2.78%	9.48%	14
2009	11.98%	10.59%	11	19.66%	14.39%	10.50%	8.41%	-1.46%	8.36%	15
2010	12.22%	12.73%	6	18.32%	17.70%	13.58%	9.91%	8.42%	4.06%	13
2011	14.00%	12.61%	13	18.50%	17.03%	13.55%	11.51%	8.64%	7.04%	16
2012	11.82%	10.34%	10	19.47%	18.95%	12.70%	9.60%	6.36%	8.08%	19
2013	10.69%	11.46%	12	18.78%	16.43%	15.56%	11.15%	7.45%	7.32%	18
2014	13.86%	16.67%	14	18.98%	15.32%	12.03%	10.82%	8.76%	7.39%	18
2015	12.58%	15.00%	9	42.68%	23.30%	16.70%	13.60%	9.26%	14.01%	13
2016	16.21%	18.73%	18	31.52%	23.49%	16.60%	13.67%	9.26%	9.22%	24
2017	16.20%	16.45%	11	22.44%	20.56%	17.80%	14.31%	7.28%	6.16%	15
2018	20.23%	19.15%	12	32.26%	25.33%	22.30%	17.71%	6.89%	9.10%	16
2019	25.55%	24.55%	14	30.98%	25.18%	19.20%	14.85%	12.72%	15.61%	15
2020	18.40%	14.56%	16	30.10%	26.20%	16.00%	13.15%	6.71%	11.62%	17
2021	20.79%	24.69%	21	50.32%	38.92%	24.60%	18.70%	8.03%	20.41%	27
2022	49.08%	45.49%	13	87.16%	63.78%	45.52%	21.34%	12.60%	28.78%	15

Note: All private capital returns are net of fees and carry.



IRRs by vintage





Note: All private capital returns are net of fees and carry.



PMEs by vintage

_		S&P 500			Morningstar Global		
Vintage year	Pooled IRR	Index return	KS-PME	Pooled IRR	Index return	KS-PME	Number of funds
1999	7.32%	7.22%	1.23	7.32%	6.59%	1.13	3
2000	15.09%	6.94%	1.38	15.09%	5.97%	1.22	3
2001	14.09%	7.72%	1.19	14.09%	6.86%	1.08	2
2002	16.08%	8.61%	1.23	16.08%	7.84%	1.14	4
2003	37.92%	10.40%	1.56	37.92%	9.33%	1.44	1
2004	9.08%	9.32%	1.10	9.08%	7.83%	1.12	6
2005	6.70%	9.44%	0.95	6.70%	7.57%	1.04	11
2006	7.25%	9.43%	0.95	7.25%	7.00%	1.04	8
2007	5.48%	9.22%	0.81	5.48%	6.38%	0.89	10
2008	12.28%	10.07%	0.95	12.28%	6.70%	1.09	13
2009	11.98%	14.52%	0.92	11.98%	11.30%	1.06	11
2010	12.22%	12.72%	0.96	12.22%	8.81%	1.10	6
2011	14.00%	12.30%	1.00	14.00%	8.10%	1.15	13
2012	11.82%	12.88%	0.94	11.82%	9.00%	1.06	10
2013	10.69%	12.70%	0.95	10.69%	8.61%	1.08	12
2014	13.86%	11.62%	1.03	13.86%	7.75%	1.14	14
2015	12.58%	11.26%	0.99	12.58%	7.86%	1.11	9
2016	16.21%	13.31%	1.09	16.21%	10.09%	1.21	18
2017	16.20%	12.11%	1.11	16.20%	8.70%	1.25	11
2018	20.23%	10.82%	1.23	20.23%	6.60%	1.33	12
2019	25.55%	12.87%	1.30	25.55%	8.90%	1.40	14
2020	18.40%	12.44%	1.17	18.40%	8.72%	1.24	16
2021	20.79%	7.03%	1.18	20.79%	2.10%	1.24	21
2022	49.08%	1.68%	1.21	49.08%	-0.88%	1.24	13

Note: All private capital returns are net of fees and carry.



Multiples by vintage

Pooled multiples Equa	l-weighted pooled multiples
-----------------------	-----------------------------

		i oolea martipies			dan Meightea poolea martipi	 	
Vintage year	TVPI	DPI	RVPI	TVPI	DPI	RVPI	Number of funds
1999	1.24x	1.24x	0.00x	1.19x	1.19x	0.00x	3
2000	1.64x	1.64x	0.00x	1.62x	1.62x	0.00x	3
2001	1.55x	1.54x	0.01x	1.62x	1.61x	0.00x	2
2002	1.50x	1.50x	0.00x	1.53x	1.53x	0.00x	4
2003	1.79x	1.79x	0.00x	1.79x	1.79x	0.00x	1
2004	1.45x	1.40x	0.04x	1.37x	1.31x	0.06x	6
2005	1.44x	1.31x	0.14x	1.41x	1.23x	0.18x	11
2006	1.44x	1.41x	0.03x	1.57x	1.42x	0.15x	8
2007	1.25x	1.23x	0.02x	1.44x	1.40x	0.04x	10
2008	1.69x	1.64x	0.05x	1.75x	1.58x	0.17x	13
2009	1.56x	1.48x	0.09x	1.52x	1.41x	0.11x	11
2010	1.51x	1.45x	0.05x	1.52x	1.42x	0.09x	6
2011	1.68x	1.50x	0.18x	1.68x	1.45x	0.23x	13
2012	1.48x	1.33x	0.15x	1.40x	1.22x	0.18x	10
2013	1.48x	1.22x	0.26x	1.56x	1.22x	0.34x	12
2014	1.54x	1.09x	0.45x	1.76x	1.38x	0.39x	14
2015	1.50x	0.96x	0.54x	1.36x	1.06x	0.30x	9
2016	1.55x	0.83x	0.71x	1.66x	1.00x	0.66x	18
2017	1.59x	0.62x	0.98x	1.65x	0.69x	0.96x	11
2018	1.51x	0.33x	1.18x	1.64x	0.50x	1.13x	12
2019	1.56x	0.62x	0.95x	1.56x	0.61x	0.95x	14
2020	1.32x	0.21x	1.10x	1.28x	0.21x	1.08x	16
2021	1.29x	0.19x	1.10x	1.33x	0.25x	1.08x	21
2022	1.26x	0.03x	1.23x	1.47x	0.09x	1.38x	13

Note: All private capital returns are net of fees and carry.



Multiples by vintage

TVPI DPI

Vintage year	Top decile	Top quartile	Median TVPI	Bottom quartile	Bottom decile	Top decile	Top quartile	Median DPI	Bottom quartile	Bottom decile	Number of funds
1999			1.26x					1.25x			3
2000			1.74x					1.74x			3
2001			1.62x					1.62x			2
2002		1.58x	1.54x	1.49x			1.58x	1.54x	1.49x		4
2003			1.79x					1.79x			1
2004		1.60x	1.42x	1.29x			1.59x	1.40x	1.07x		6
2005	2.06x	1.56x	1.31x	1.21x	0.73x	1.67x	1.37x	1.28x	1.05x	0.73x	11
2006		1.63x	1.47x	1.34x			1.49x	1.35x	1.30x		8
2007	2.05x	1.40x	1.39x	1.32x	0.99x	1.86x	1.39x	1.38x	1.31x	0.95x	10
2008	2.00x	1.65x	1.52x	1.40x	1.28x	1.95x	1.58x	1.50x	1.39x	1.27x	13
2009	1.85x	1.73x	1.37x	1.14x	0.91x	1.75x	1.62x	1.37x	1.10x	0.75x	11
2010		1.66x	1.54x	1.38x			1.56x	1.48x	1.32x		6
2011	2.12x	1.86x	1.62x	1.47x	1.34x	1.66x	1.60x	1.51x	1.15x	1.09x	13
2012	1.69x	1.58x	1.37x	1.30x	1.21x	1.55x	1.47x	1.24x	1.03x	0.87x	10
2013	1.91x	1.81x	1.52x	1.39x	1.35x	1.58x	1.29x	1.26x	1.15x	0.94x	12
2014	1.71x	1.65x	1.55x	1.40x	1.20x	1.33x	1.25x	1.08x	1.02x	0.86x	14
2015		1.43x	1.36x	1.34x			1.34x	1.06x	0.94x		9
2016	2.22x	1.79x	1.66x	1.41x	1.30x	1.51x	1.21x	0.94x	0.65x	0.55x	18
2017	2.17x	1.95x	1.65x	1.49x	1.31x	1.12x	0.89x	0.62x	0.41x	0.34x	11
2018	1.92x	1.76x	1.49x	1.38x	1.28x	0.83x	0.59x	0.36x	0.29x	0.25x	12
2019	1.82x	1.70x	1.55x	1.31x	1.24x	0.89x	0.77x	0.51x	0.36x	0.27x	14
2020	1.56x	1.37x	1.28x	1.20x	1.11x	0.49x	0.15x	0.12x	0.09x	0.06x	16
2021	1.58x	1.43x	1.36x	1.26x	1.03x	0.44x	0.32x	0.10x	0.02x	0.00x	21
2022	1.82x	1.59x	1.23x	1.19x	1.10x	0.16x	0.14x	0.01x	0.00x	0.00x	13

Note: All private capital returns are net of fees and carry.



Quarterly return

Quarter end	1-quarter return
Q1 2001	-3.10%
Q2 2001	-4.16%
Q3 2001	1.67%
Q4 2001	-3.01%
Q1 2002	4.25%
Q2 2002	1.64%
Q3 2002	-6.28%
Q4 2002	-4.62%
Q1 2003	-2.99%
Q2 2003	1.33%
Q3 2003	1.58%
Q4 2003	2.42%
Q1 2004	8.84%
Q2 2004	4.87%
Q3 2004	6.67%
Q4 2004	6.16%
Q1 2005	7.63%
Q2 2005	1.35%
Q3 2005	5.15%
Q4 2005	1.69%
Q1 2006	7.87%
Q2 2006	3.61%
Q3 2006	3.73%
Q4 2006	6.95%

Quarter end	1-quarter return
Q1 2007	4.09%
Q2 2007	11.23%
Q3 2007	7.27%
Q4 2007	5.10%
Q1 2008	0.77%
Q2 2008	-2.52%
Q3 2008	2.07%
Q4 2008	-6.27%
Q1 2009	-8.00%
Q2 2009	-3.07%
Q3 2009	0.49%
Q4 2009	1.81%
Q1 2010	1.41%
Q2 2010	6.46%
Q3 2010	6.60%
Q4 2010	5.20%
Q1 2011	7.28%
Q2 2011	5.77%
Q3 2011	4.27%
Q4 2011	-3.54%
Q1 2012	3.90%
Q2 2012	2.98%
Q3 2012	4.13%
Q4 2012	2.24%

Quarter end	1-quarter return
Q1 2013	3.19%
Q2 2013	3.79%
Q3 2013	2.65%
Q4 2013	4.84%
Q1 2014	3.49%
Q2 2014	2.69%
Q3 2014	3.07%
Q4 2014	2.93%
Q1 2015	1.83%
Q2 2015	7.24%
Q3 2015	1.53%
Q4 2015	0.05%
Q1 2016	-0.05%
Q2 2016	3.13%
Q3 2016	1.10%
Q4 2016	2.80%
Q1 2017	3.57%
Q2 2017	3.92%
Q3 2017	3.94%
Q4 2017	3.61%
Q1 2018	2.45%
Q2 2018	8.34%
Q3 2018	2.23%
Q4 2018	1.05%

Quarter end	1-quarter return
Q1 2019	2.40%
Q2 2019	4.90%
Q3 2019	1.36%
Q4 2019	1.78%
Q1 2020	-3.79%
Q2 2020	-2.77%
Q3 2020	4.07%
Q4 2020	12.51%
Q1 2021	7.22%
Q2 2021	14.64%
Q3 2021	8.91%
Q4 2021	8.14%
Q1 2022	1.56%
Q2 2022	4.19%
Q3 2022	-2.19%
Q4 2022	0.12%
Q1 2023	0.32%
Q2 2023	1.98%
Q3 2023	2.28%
Q4 2023	1.87%
Q1 2024*	2.85%

*Preliminary figure

Source: PitchBook

◆ Geography: Global

Additional research

Market updates



Q2 2024 Allocator Solutions: Private Market Opportunities: Midyear Update

Download the report <u>here</u>



2024 European Private Capital Outlook: Midyear Update

Download the report <u>here</u>



Q1 2024 Global Real Assets Report

Download the report **here**



Q1 2024 US Public PE and GP Deal Roundup

Download the report <u>here</u>



2024 US Venture Capital Outlook: Midyear Update

Download the report here



Q2 2024 Quantitative Perspectives: Under Pressure

Download the report here

More research available at pitchbook.com/news/reports

COPYRIGHT © 2024 by PitchBook Data, Inc. All rights reserved. No part of this publication may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, and information storage and retrieval systems—without the express written permission of PitchBook Data, Inc. Contents are based on information from sources believed to be reliable, but accuracy and completeness cannot be guaranteed. Nothing herein should be construed as any past, current or future recommendation to buy or sell any security or an offer to sell, or a solicitation of an offer to buy any security. This material does not purport to contain all of the information that a prospective investor may wish to consider and is not to be relied upon as such or used in substitution for the exercise of independent judgment.