www.citigroupgcib.com | Report Date: November 2013

Hedge Fund Industry Snapshot

Data as of October 2013

Report based on universe of 5,030 funds

Americas
New York: +800 773-2889
San Francisco: +415 617-8554

EMEA
EMEA: +44 0 207-986-0822

Asia Pac
Hong Kong: +852 2501-8356
Tokyo: +813 6270-3165
Singapore: +65 6432-1223
Australia: +612 8225-6424

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Citi Prime Finance

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Highlights

Performance, AUM & Flows

- According to eVestment, industry assets rose for October 2013 gaining +$59.7 billion. Asset growth was attributed mostly from performance gains of +$47.6 billion with net positive investor flows accounting for +$9.3 billion.
- October 2013 marks the seventh month with positive performance gains this year and was more than 3x the mean monthly gain reported throughout 2013. Mean monthly performance gains now stand at +$14.33 billion for 2013 compared to +$9.6 billion for 2012. October 2013 performance contrasts with October 2012 performance gains which stood at only +$18.9 billion
- Net positive investor flows of +$9.3 billion for October 2013 marks the eighth period of net positive flows YTD. October 2013 flows are higher than the mean monthly flows for 2013 which now stand at +$5.9 billion. October 2012 net flows were -$12.7 billion over the same period.

Fund Profiles

- Across the subset of hedge funds reporting performance and AUM, the monthly median performance for large single funds (>$500 million) was +1.1%, medium single funds ($100–$500 million) +1.1% and small single funds (<$100 million) +1.3%.
- Liquidity terms remain fairly consistent from recent reporting periods. Funds requiring 30 days or less notice for redemptions : 65% vs. 66% in September-13. Across the entire subset of reporting funds, the majority (52%) required no lockup (43%) or less than 1 year lock up (9%).
- Consistent throughout recent reporting periods, large funds (>$500 million AUM) continue to hold a large portion of industry AUM (75%) compared to medium funds ($100–$500 million) at 21% and small funds (<$100 million) holding only 6%.

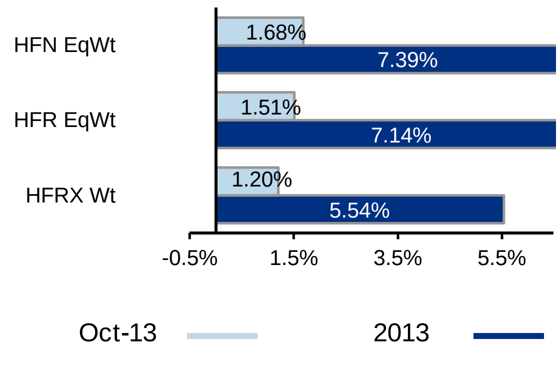
Leverage, Shorts and Futures Market Positioning

- On a global basis, we calculate gross leverage (as measured on a mean basis) at 1.98x in October versus 1.95x in September and 1.96x in August.
- Looking across gross leverage, the following strategies showed the highest uses of leverage: Equity Market Neutral (4.45x), Multi Strategy (3.74x), Global Macro (3.51x),) and Convertible Arbitrage (3.23x).
- Citi US short flows data included in this month's report show continued interest in the Healthcare and Information Technology sectors. These sectors accounted for 33.8% of short executions and 28.4% of short covers in October vs. 25.4% of short executions and 18.5% of short covers in Sept-13.
- In terms of net positioning in the large speculator accounts October was another relatively quiet month. Thanks to the US government shutdown, the absence of government economic releases left markets with less to digest on an intra-day basis. Of note, we see that the large specs raised their net long exposure in gold futures (in terms of percentage of total open interest) to the highest it has been since March of this year. There was little change in other markets. Large specs cut net long exposure in S&P, and EuroFX contracts but added slightly to a net short in the 10-year Treasury note futures.

Hedge Fund Industry: AUM, Performance

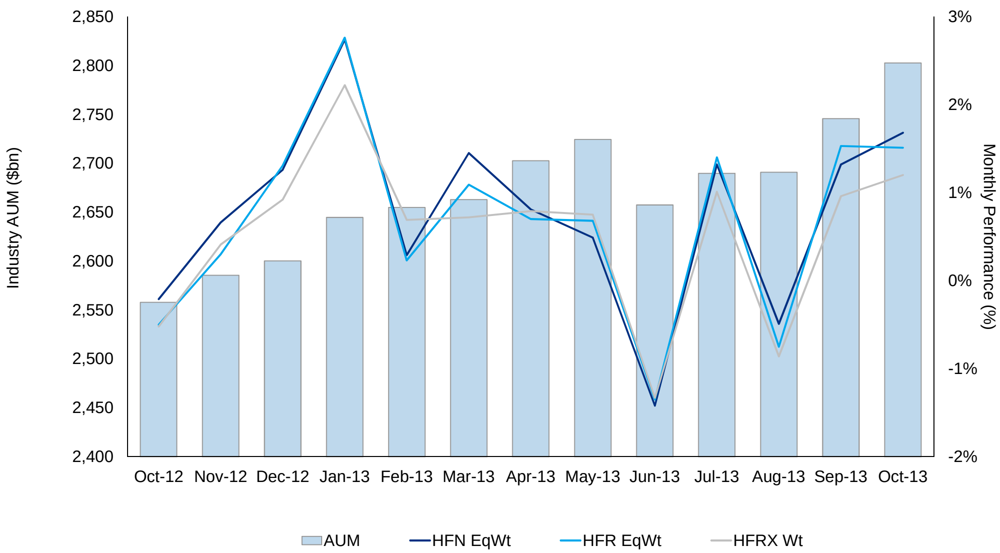
- Composite hedge fund performance, equal-weighted across funds, was up for October 2013 with performance ranging from +1.2% to +1.7%. Across the major hedge fund indices, returns were higher than the previous month which experienced +0.96% to +1.53% over the same period.
- Global financial markets posted gains for the month of October as US lawmakers passed a budget deal, ending the US government shutdown and averting a default on US treasury bonds. Global equity markets posted strong, broad-based gains for the month, with US gains led by large cap, Healthcare, Oil Services, Technology and Financials. European and Asian equities also posted strong gains, with European leadership from Spain, Germany and UK, while Asian equities were led by India, Australia and the Philippines; Japan and China both posted declines. US yields fell slightly across the curve on continued expectations for maintaining Federal Reserve stimulus measures, yields also declined across most European countries including UK Gilts, German Bunds, France, Italy, Spain and the Netherlands. The Euro rallied against the US Dollar to a 2 year high over 1.38, while the US Dollar gained against the British Pound Sterling and was little changed against the Japanese Yen. Commodities posted mixed performance for the month, with gains in Platinum offset by mixed performance in Oil while Gold traded in a wide range to settle with a narrow decline for the month.
- Hedge fund strategy wise, top performing strategies in October 2013 include Emerging Markets at +2.31%, Equity Long/Short at +1.98%, Distressed at +1.67%, and Multi Strategy +1.42%. The lowest performing strategies include Event Driven at +0.90%, and Global Macro at +0.94%.

Industry Performance: Oct-13 / YTD



Source: HFR, eVestment|HFN.

Monthly Industry AUM and Performance



Source: eVestment; Hedge Fund Research, Inc.,

Note Pad

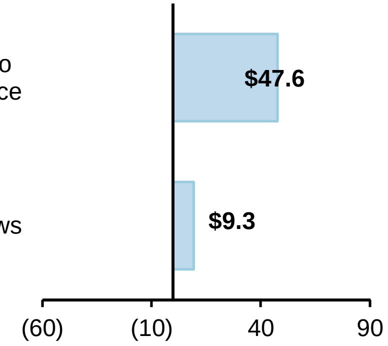
- MSCI World Index: +3.94; +20.8% YTD
- MSCI EM Index: +4.87%; +1.2% YTD
- S&P 500: +4.6%; +23.1% YTD
- Citi US BIG Index: +0.81%; -1.6% YTD
- S&P GSCI: -1.44%; -1.8% YTD
- US Dollar Index: -0.03%; +0.7% YTD
- HFN Country Indices Oct-13/ YTD:
  - Brazil: +1.40% / -4.35%; Australia: +4.04% / +7.01% China: +1.36%/+10.10%; Japan: +1.10%/+24.78%

Hedge Fund Industry: Change in Industry Assets

- According to eVestment, industry assets rose for October 2013 gaining +$59.7 billion. Asset growth was attributed mostly from performance gains of +$47.6 billion with net positive investor flows accounting for +$9.3 billion.
- October 2013 marks the seventh month with positive performance gains this year and was more than 3x the mean monthly gain of reported throughout 2013. Mean monthly performance gains now stand at +$14.33 billion for 2013 compared to +$9.6 billion for 2012. October 2013 performance contrasts with October 2012 performance gains which stood at only +$18.9 billion.
- Net positive investor flows of +$9.3 billion for October 2013 marks the eight period of net positive flows YTD. October 2013 flows are higher than the mean monthly flows for 2013 which now stand at +$5.9 billion. October 2012 net flows were -$12.7 billion over the same period.
- Total industry AUM now stands at $2.8 trillion for October 2013 an increase of +7.8% from December 2012 and an increase of +9.1% from October 2012.

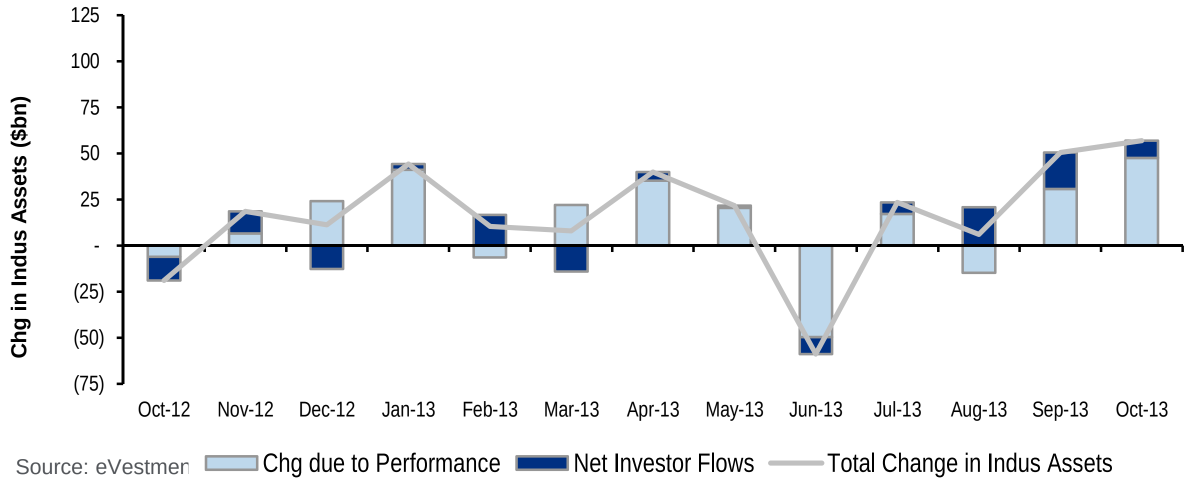
Composition of Change in Assets

Oct -13 Amounts in ($ Billion)



Source: eVestment|HFN.

Monthly Change in Industry Assets and Composition

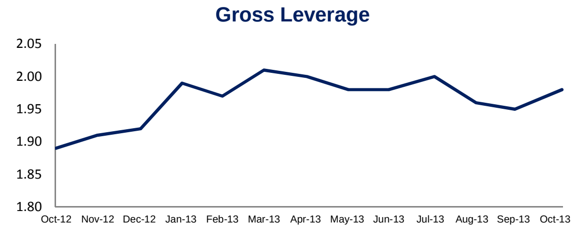


Source: eVestmen

Note Pad

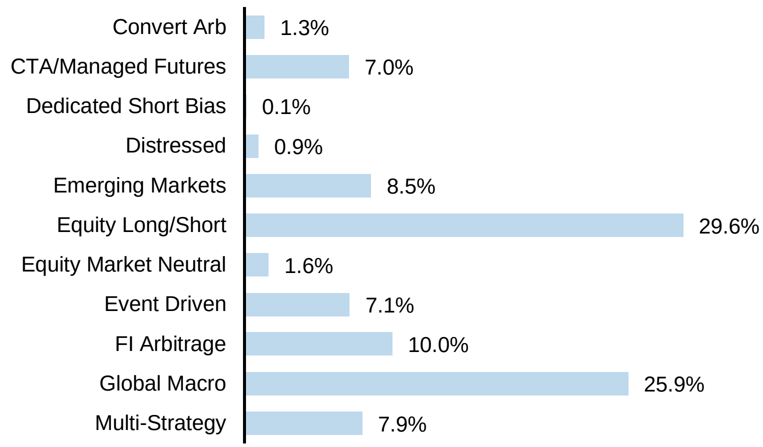
- The Citi Prime Finance calculation for gross leverage (as measured on a mean basis) 1.98x in October versus 1.95x in September and 1.96x in August.

Gross leverage (mean): defined as sum of (LMV + abs SMV)/Net Equity.



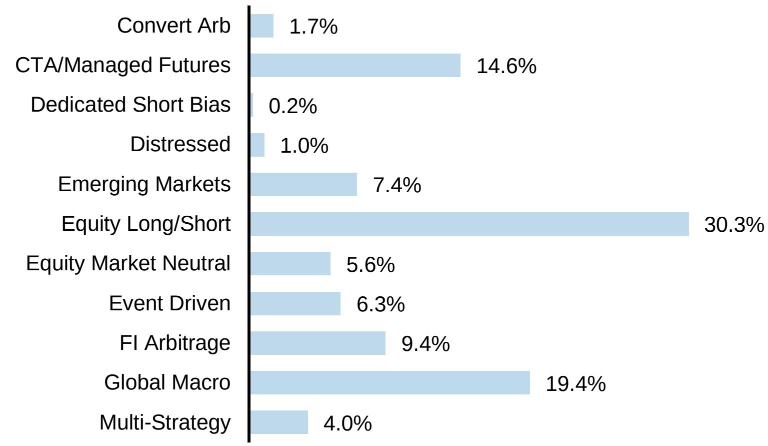
Hedge Fund Stats by Strategy

Hedge Fund Strategy Breakdown by Assets



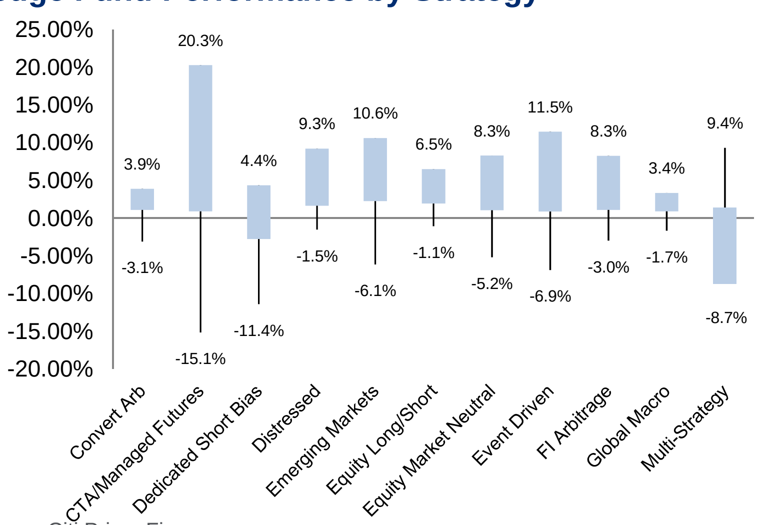
Source: Citi Prime Finance.

Hedge Fund Strategy Breakdown by Number of Funds



Source: Citi Prime Finance.

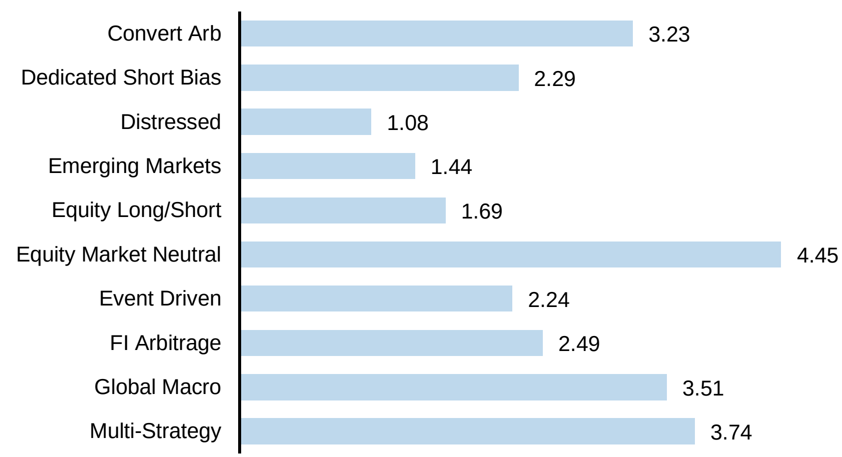
Hedge Fund Performance by Strategy



Source: Citi Prime Finance.

Hedge Fund Leverage Ratios by Strategy

Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV)/Net Equity



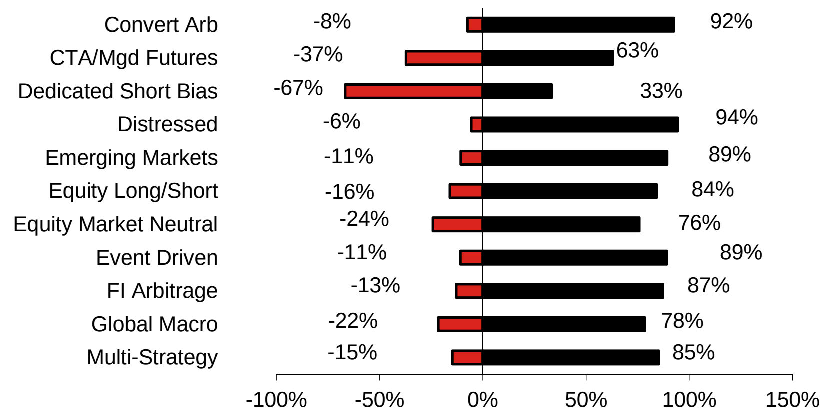
Source: Citi Prime Finance.

Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period. Breakdown by assets and number of funds updated on a quarterly basis

Hedge Fund Performance: Red/Black Report

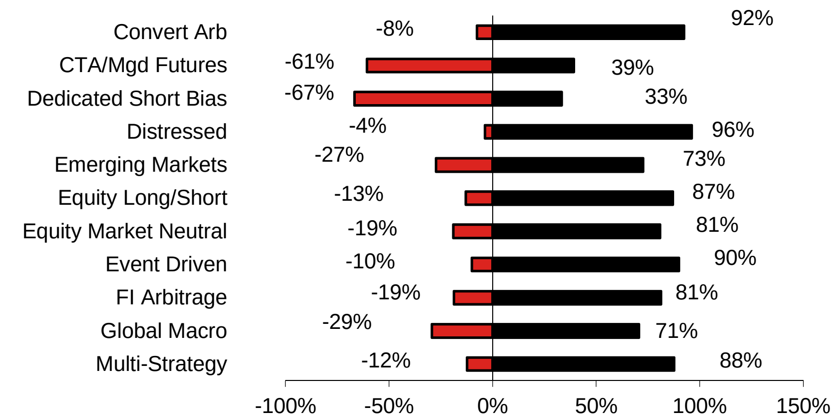
Oct-13: Percentage of Reporting Funds

Negative ( ) / Positive ( ) Performance



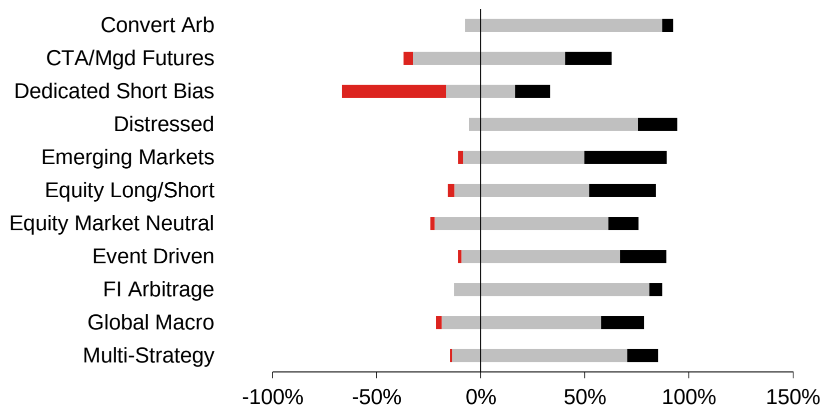
Oct -13: Percentage of Reporting Funds

Negative ( ) / Positive ( ) Performance



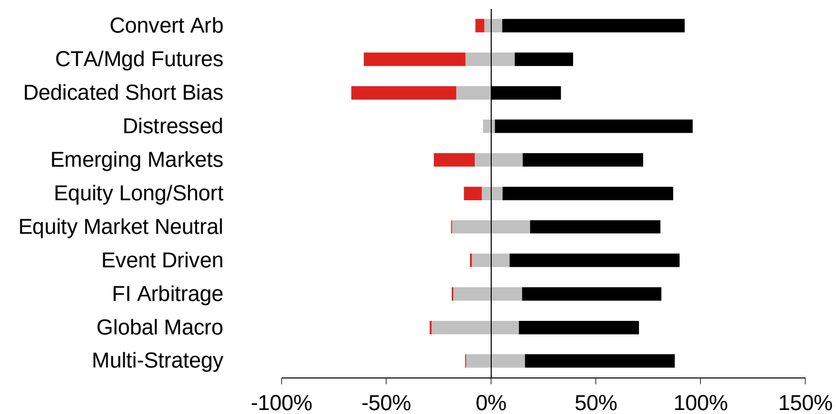
Oct-13: Percentage of Reporting Funds

Below -3% ( ) / between-3% / + 3% ( ) /Above +3% ( )



YTD Oct-13: Percentage of Reporting Funds

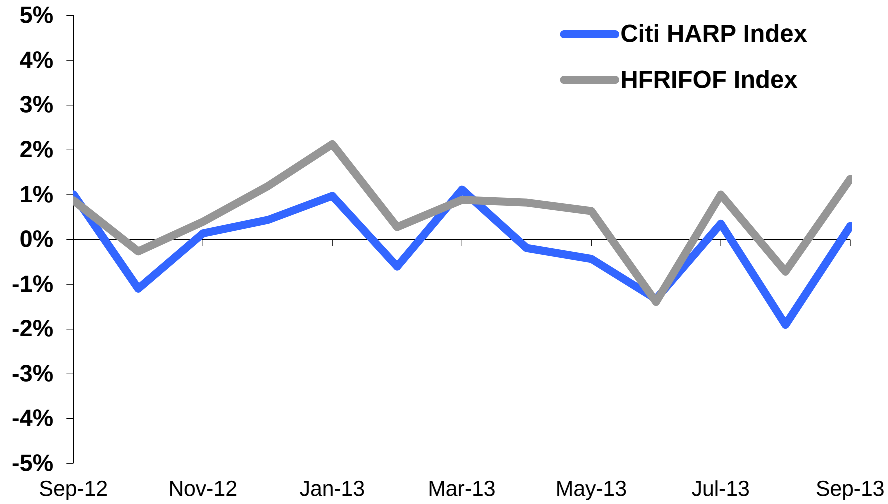
Below -3% ( ) / between-3% / + 3% ( ) /Above +3% ( )



Source: Citi Prime Finance. Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.

Citi Liquid Hedge Fund Replicator (HARP)

Citi HARP Index vs. Benchmark (monthly rolling)



Citi HARP is a liquid investable index, which aims at approximating the performance of the hedge fund sector

	Oct-13	Sep-13	Oct-12	YTD-13
Citi Harp	1.24%	0.30%	-1.10%	-0.53%
HFRIFOF	1.30%	1.35%	-0.27%	6.42%

Source: Citi and Hedge Fund Research, Inc., © www.hedgefundresearch.com
HFRIFOF Index is the HFRI Funds of Funds Composite Index

Annualized Performance: Last 12-Month	Citi HARP Index	HFRIFOF
Annualised Return	0.04%	8.11%
Annualised Volatility	3.32%	3.28%
Sharpe Ratio	-0.09	2.37
Correlation	86%	-

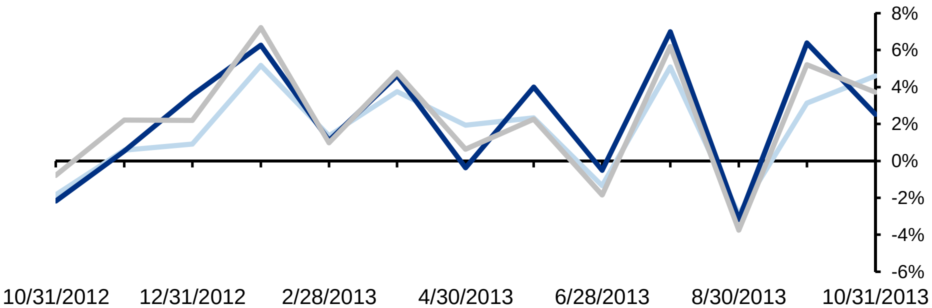
The purpose of the Index is to approximate in broad terms the performance of the hedge fund sector by achieving a similarity between the pattern of the returns of the Index and the pattern of the returns of a Benchmark - the HFRI Fund of Funds Composite Index.

The Index contains weighted components. The components are a money market component and various index components. Each index component represents a class of asset in which the hedge fund sector is assumed to invest: bond, commodity, equity and foreign exchange.

The weighting within the Index of each component is determined monthly. Every month, a multiple linear regression algorithm is used to identify the appropriate weighting.

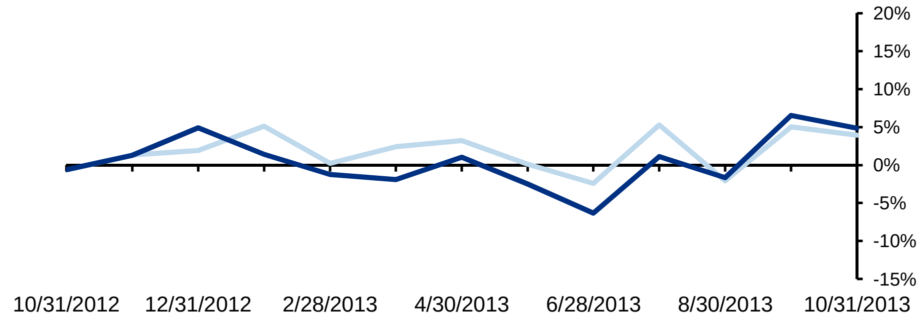
Market Performance

US Equities
(Large Cap vs. Small Cap)



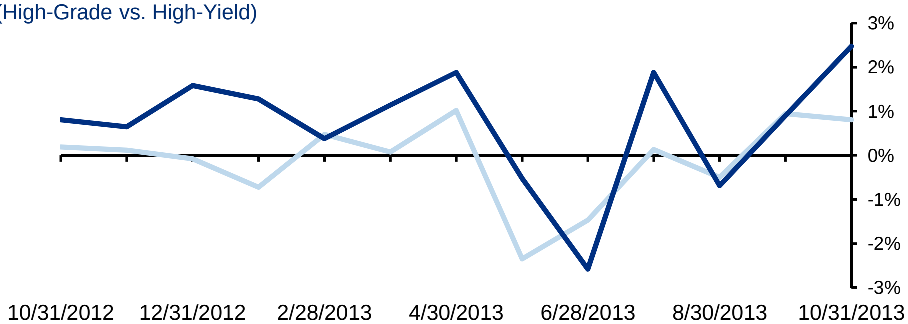
	Oct-13	Sept-13	Oct-12	YTD-13
S&P 500	4.6%	3.1%	-1.8%	23.1%
RUS 2000	2.5%	6.4%	-2.2%	27.8%
S&P Mid	3.7%	5.2%	-0.8%	25.4%

Global Equities
Developed vs. Emerging)



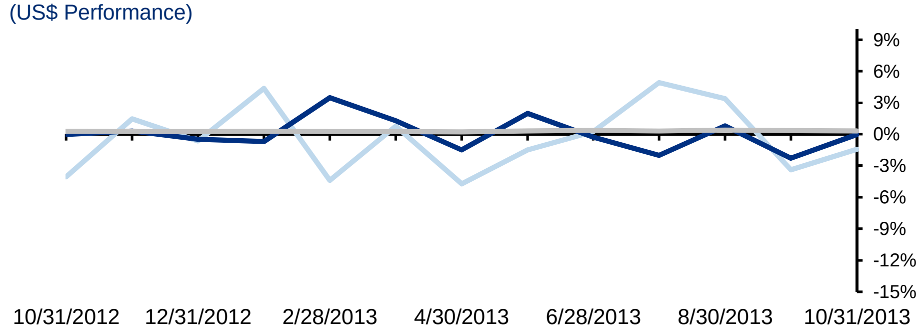
	Oct-13	Sept-13	Oct-12	YTD-13
MSCI World	3.9%	5.0%	-0.6%	20.8%
MSCI EM	4.9%	6.5%	-0.6%	1.2%

Fixed Income
(High-Grade vs. High-Yield)



	Oct-13	Sept-13	Oct-12	YTD-13
Citi US BIG Index	0.8%	0.9%	0.2%	-1.6%
Citi HY Bond Index	2.5%	0.9%	0.8%	6.1%

Commodities
(US$ Performance)

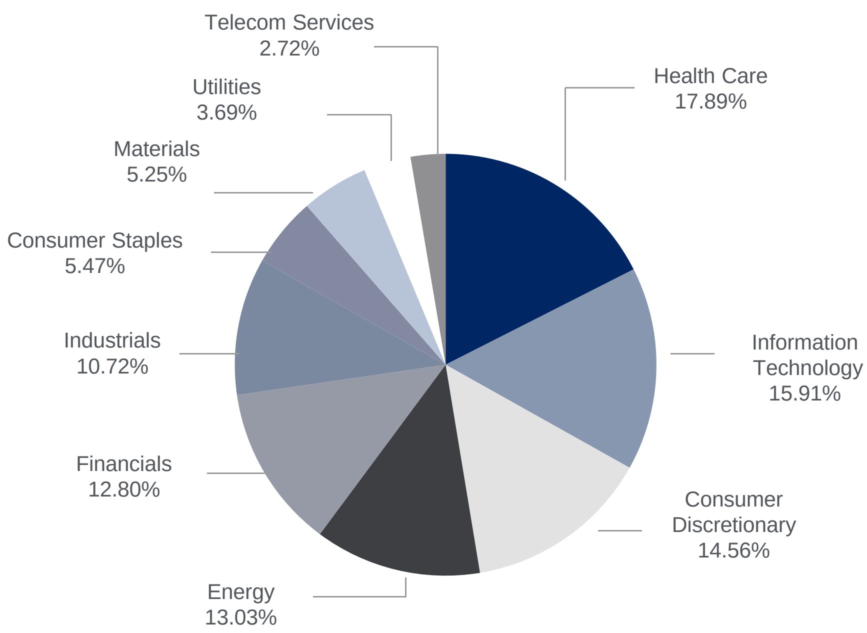


	Oct-13	Sept-13	Oct-12	YTD-13
S&P GSCI	-1.4%	-3.4%	-4.1%	-1.8%
US-$ Index	0.0%	-2.3%	0.0%	0.7%
US 2yr Note	0.3%	0.3%	0.3%	3.0%

Source: Citi Prime Finance; FactSet; Citigroup Index LLC.

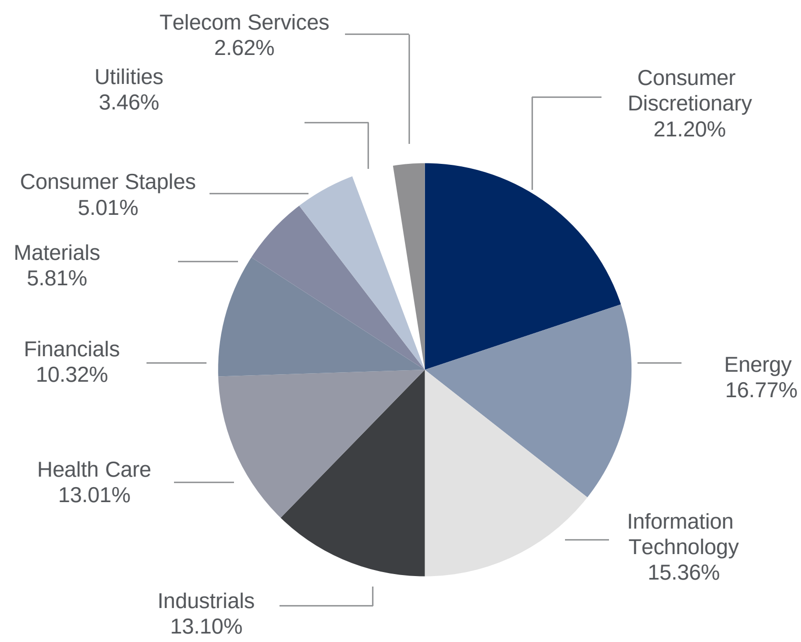
US Securities Lending Sector Short Flows

Short Sale Executions



Sector Short Flows	% Short Execution	% Previous Month Short Execution	% Change From Previous Month
Health Care	17.89	11.82	51.35
Information Technology	15.91	13.56	17.33
Consumer Discretionary	14.56	16.53	-11.92
Energy	13.03	13.32	-2.18
Financials	12.80	13.02	-1.69
Industrials	10.72	10.27	4.38
Consumer Staples	5.47	6.74	-18.84
Materials	5.25	7.42	-29.25
Utilities	3.69	3.66	0.82
Telecom Services	2.72	3.67	-25.89

Short Cover Executions



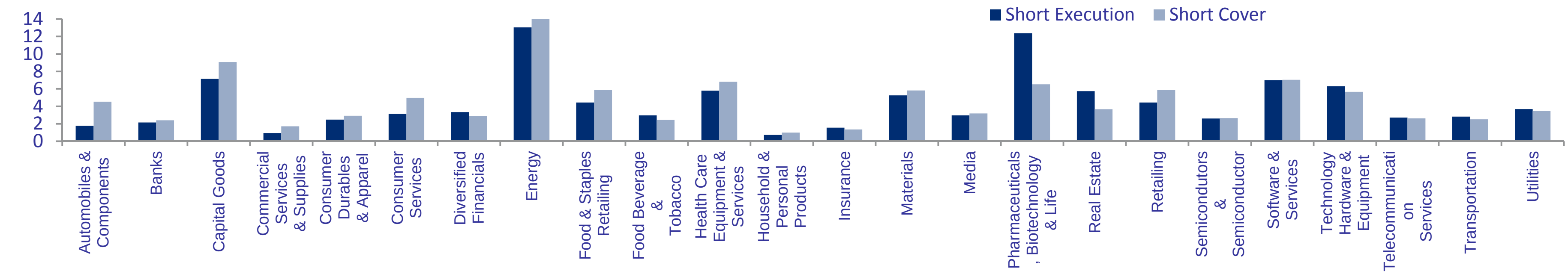
Sector Short Flows	% Cover Execution	% Previous Month Short Cover	% Change From Previous Month
Consumer Discretionary	21.20	16.24	30.54
Energy	16.77	15.81	6.07
Information Technology	15.36	12.86	19.44
Industrials	13.10	11.90	10.08
Health Care	13.01	11.90	9.33
Financials	10.32	13.02	-20.74
Materials	5.81	6.30	-7.78
Consumer Staples	5.01	6.60	-24.09
Utilities	3.46	2.94	17.69
Telecom Services	2.62	2.44	7.38

Source: S&P (GICS); Citi US Securities Lending. Executions of shorts and short covers settled at Citi Prime Finance based on Market Value.

US Securities Lending Industry Group Short Flows

Citi Industry Group Short Flows

(% Short)



Industry	% Short Execution	% Previous Month Short Execution	% Change From Previous Month
Energy	13.03	13.32	-2.18
Pharmaceuticals, Biotechnology & Life	12.36	6.80	81.76
Capital Goods	7.14	6.60	8.18
Software & Services	7.00	6.69	4.63
Technology Hardware & Equipment	6.30	4.68	32.62
Health Care Equioment & Services	5.80	5.03	15.31
Real Estate	5.74	4.20	36.67
Materials	5.25	7.42	-29.25
Retailing	4.44	5.68	-21.83
Utilities	3.69	3.66	0.82
Diversified Financials	3.35	5.04	-33.53
Consumer Services	3.16	2.51	25.90
Media	2.96	3.18	-6.92
Food Beverage & Tobacco	2.96	3.32	-10.84
Transportation	2.82	3.00	-6.00
Telecom Services	2.72	3.67	-25.89
Semiconductors & Semiconductor	2.61	2.19	19.18
Consumer Durables & Apparel	2.48	2.52	-1.59
Banks	2.15	2.30	-6.52
Automobiles & Components	1.78	2.64	-32.58
Food & Staples Retailing	1.78	2.17	-17.97
Insurance	1.56	1.47	6.12
Commercial Services & Supplies	0.94	0.67	40.30
Household & Personal Products	0.73	1.25	-41.60

Industry	% Cover Execution	% Previous Month Short Cover	% Change From Previous Month
Energy	16.77	15.81	6.07
Capital Goods	9.08	7.46	21.72
Software & Services	7.04	6.89	2.18
Health Care Equioment & Services	6.82	5.60	21.79
Pharmaceuticals, Biotechnology & Life	6.52	6.30	3.49
Retailing	5.88	6.22	-5.47
Materials	5.81	6.30	3.49
Technology Hardware & Equipment	5.66	3.98	42.21
Consumer Services	4.97	2.60	91.15
Automobiles & Components	4.54	1.84	146.74
Real Estate	3.67	3.84	-4.43
Utilities	3.46	2.94	17.69
Media	3.18	2.76	15.22
Consumer Durables & Apparel	2.92	2.82	3.55
Diversified Financials	2.90	4.37	-33.64
Semiconductors & Semiconductor	2.65	1.99	33.17
Telecom Services	2.62	2.44	7.38
Transportation	2.51	3.21	-21.81
Food Beverage & Tobacco	2.45	3.41	-28.15
Banks	2.40	2.66	-9.77
Commercial Services & Supplies	1.71	1.23	39.02
Food & Stables Retailing	1.57	2.28	-31.14
Insurance	1.36	2.16	-37.04
Household & Personal Products	0.99	0.90	10.00

Source: S&P (GICS); Citi US Securities Lending. Executions of shorts and short covers settled at Citi Prime Finance based on Market Value.

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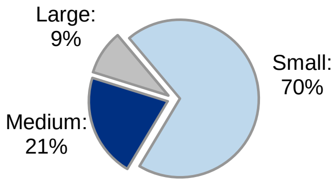
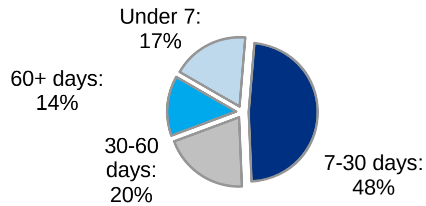
Hedge Fund (Fund Level) Profiles

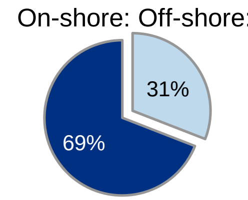
By Fund Size—No. of Funds



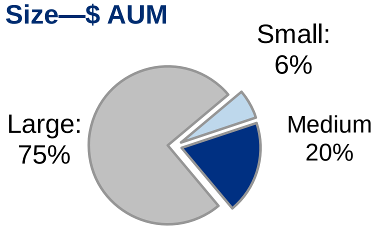
Redemption Notice Period



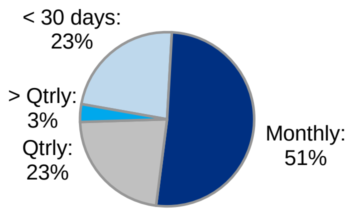
On-shore/Off-shore



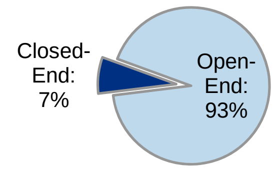
By Fund Size—$ AUM



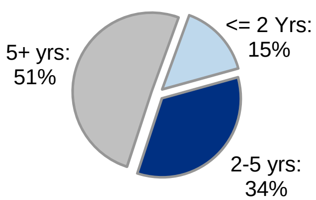
Redemption Frequency



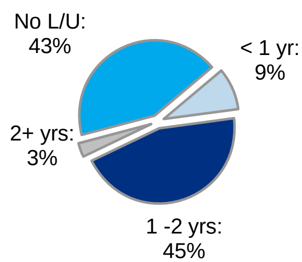
Legal Status



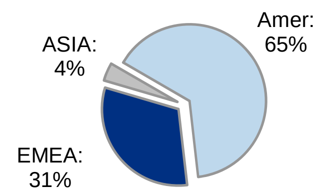
By Fund Age—No. of Funds



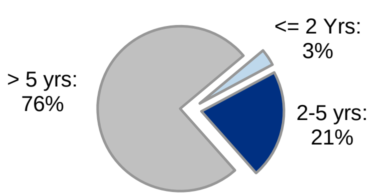
Lock-Up



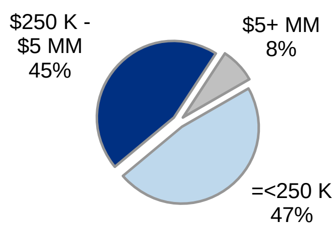
Domicile (by $ AUM)



By Fund Age—$ AUM



Minimum Investment



Source: Citi Prime Finance.
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.

Hedge Fund (Fund Level) Profiles

Hedge Funds: Large (>$500 Million)

	% of Total	Median AUM ($MM)	Median Monthly Perform	Median YTD Perform	Domicile: Americas Region	Off-Shore	Preferred Lock-Up / % of Total	Preferred Redemption Notice/ % of Total	Preferred Redemption Frequency/ % of Total
Under 2 yrs	8%	$1,236	1.9%	11.6%	72%	98%	1-2 yrs / 76%	7-30 days / 69%	Monthly / 56%
2-5 yrs	4%	$1,295	1.5%	3.9%	70%	63%	1-2 yrs / 79%	60+ days / 31%	Monthly / 40%
Over 5 yrs	86%	$1,914	1.0%	6.2%	66%	72%	1-2 yrs / 41%	7-30 days / 32%	Monthly / 47%
Total	100%	$1,813	1.1%	6.4%	68%	69%	1-2 years / 51%	7-30 days / 34%	Monthly / 48%

Hedge Funds: Medium ($100–$500 Million)

Hedge Fund Age	% of Total	Median AUM ($MM)	Median Monthly Perform	Median YTD Perform	Domicile: Americas Region	Off-Shore	Preferred Lock-Up / % of Total	Preferred Redemption Notice/ % of Total	Preferred Redemption Frequency/ % of Total
Under 2 yrs	10%	$180	1.3%	5.8%	71%	84%	1-2 yrs / 75%	7-30 days / 52%	Under 30 / 51%
2-5 yrs	21%	$252	1.3%	5.2%	70%	73%	1-2 yrs / 66%	7-30 days / 41%	Monthly / 49%
Over 5 yrs	69%	$219	1.0%	8.0%	70%	65%	No / 52%	7-30 days / 48%	Under 30 / 57%
Total	100%	$222	1.1%	7.6%	71%	68%	No / 44%	7-30 days / 46%	Monthly / 52%

Hedge Funds: Small (<$100 Million)

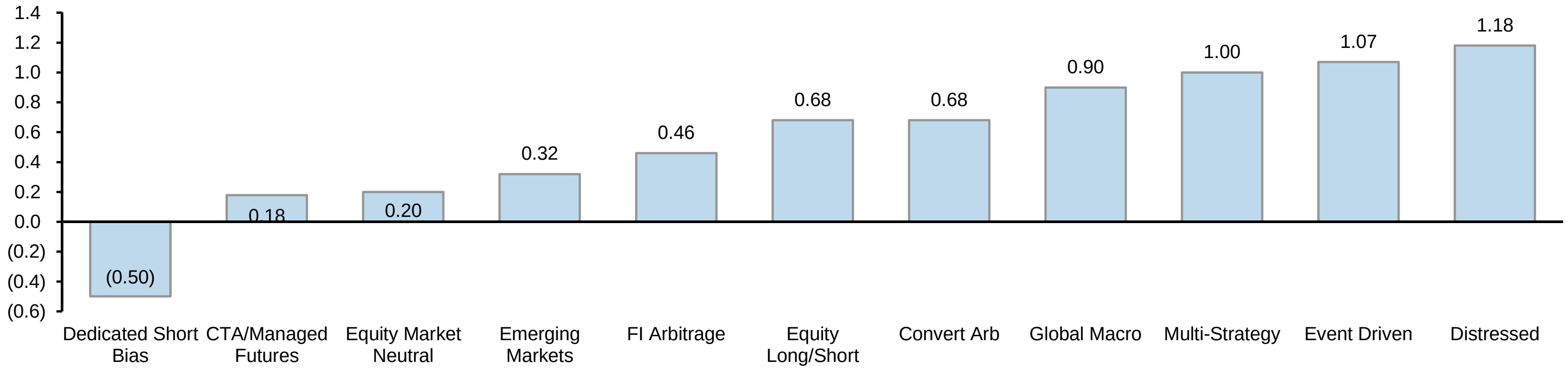
Hedge Fund Age	% of Total	Median AUM ($MM)	Median Monthly Perform	Median YTD Perform	Domicile: Americas Region	Off-Shore	Preferred Lock-Up / % of Total	Preferred Redemption Notice/ % of Total	Preferred Redemption Frequency/ % of Total
Under 2 yrs	13%	$33	1.0%	10.2%	87%	79%	1-2 yrs / 71%	7-30 days / 32%	Monthly / 44%
2-5 yrs	25%	$25	1.7%	7.7%	64%	78%	1-2 yrs / 63%	7-30 days / 43%	Monthly / 52%
Over 5 yrs	62%	$36	1.2%	9.1%	68%	65%	No / 42%	7-30 days / 55%	Monthly / 54%
Total	100%	$34	1.3%	9.0%	67%	73%	1-2 yrs / 46%	7-30 days / 50%	Monthly / 52%

Source: Citi Prime Finance.

Note: Domiciles, lock-up and redemption metrics updated quarterly. Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period. Median YTD performance is calculated from funds reporting for all underlying periods. “n/m” = Not Meaningful.

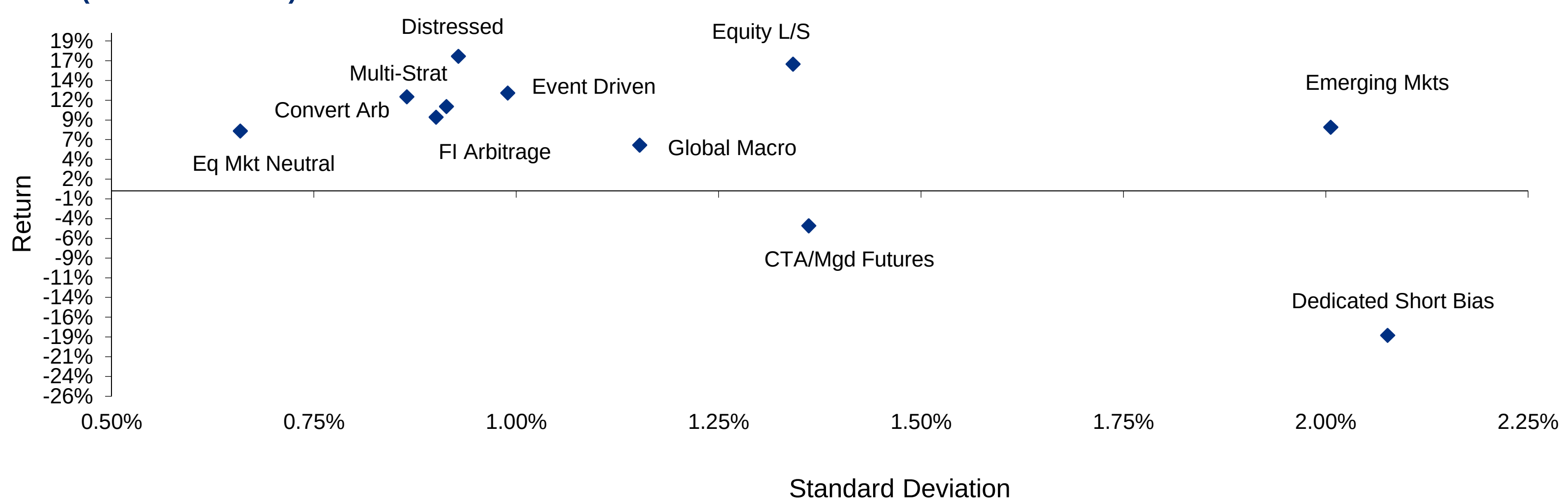
Risk and Return Metrics

Sharpe Ratios (Oct-04 - Oct-13)



Source: Credit Suisse Dow Jones Index

Risk vs. Return (Oct-12 – Oct-13)



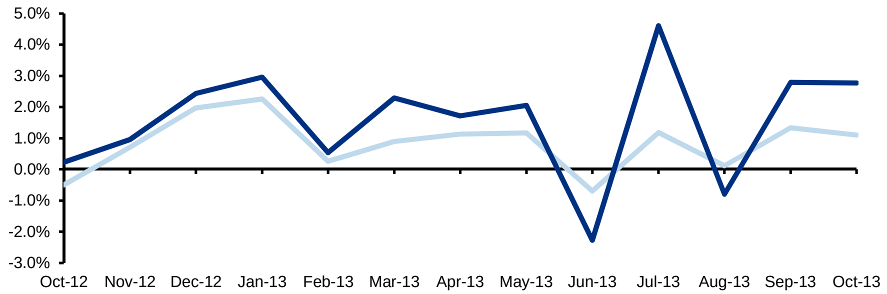
Source: Citi Prime Finance.

Convertible Arbitrage

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	2.3%	0.3%	0.9%	1.1%	1.2%	-0.7%	1.2%	0.1%	1.3%	1.1%			8.8%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

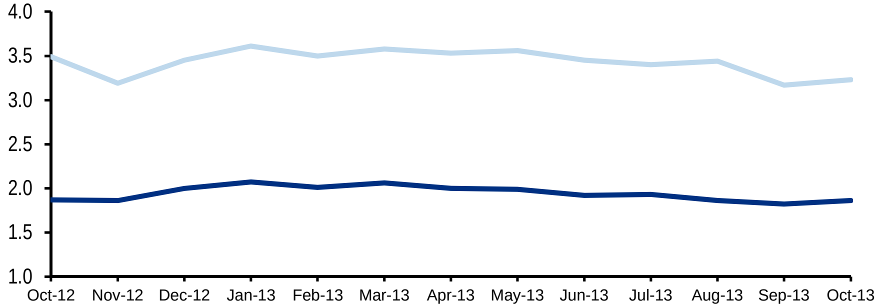


	October -13	September -13	October-12	YTD-13
Convert Arb	1.1%	1.3%	-0.5%	8.8%
CWB ETF	2.8%	2.8%	0.2%	16.7%

Source: Citi ICG Analytics; FactSet.

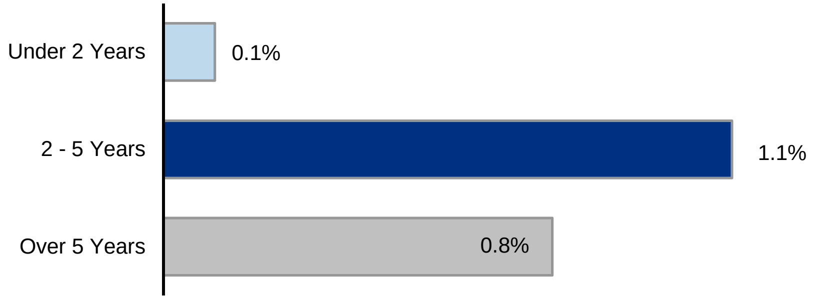
Leverage Profile

(Monthly, LTM)



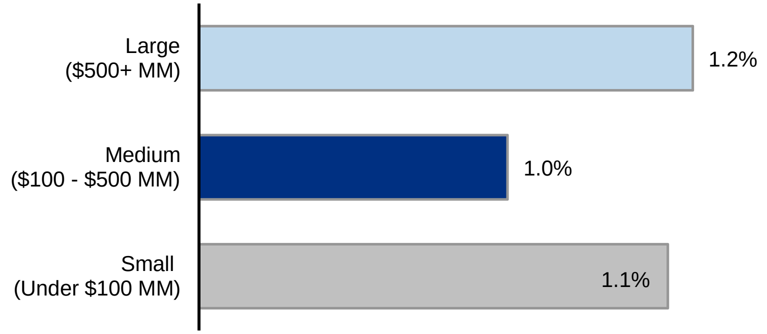
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

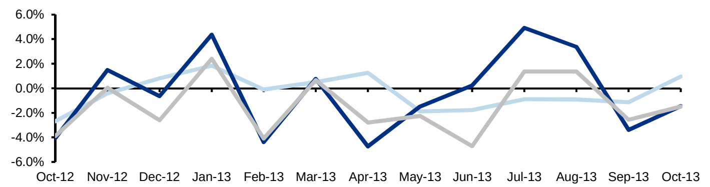
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.

1. Universe and sample sizes may be small.

CTA/Managed Futures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	**1.8%**	**-0.1%**	**0.5%**	**1.3%**	**-1.9%**	**-1.8%**	**-0.9%**	**-0.9%**	**-1.1%**	**0.9%**			**-2.1%**

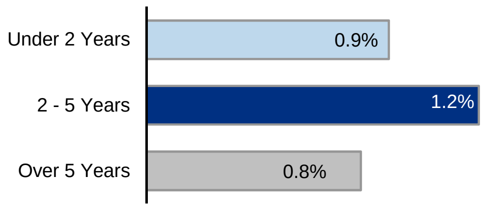
Hedge Fund Performance vs. Benchmark



	October -13	September -13	October-12	YTD-13
CTA/Mgd Futures	0.9%	-1.1%	-2.7%	-2.1%
S&P GSCI Commodity (SPGSC	-1.4%	-3.4%	-4.1%	-1.8%
DJ-UBS Commodity (DJAGK)	-1.5%	-2.6%	-3.9%	-12.1%

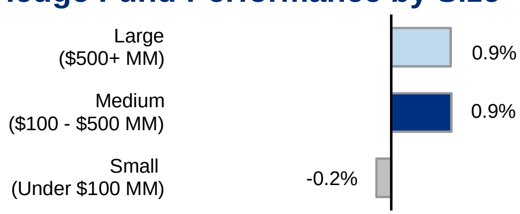
Source: Citi Prime Finance; FactSet.

Hedge Fund Performance by Age



Source: Citi Prime Finance.

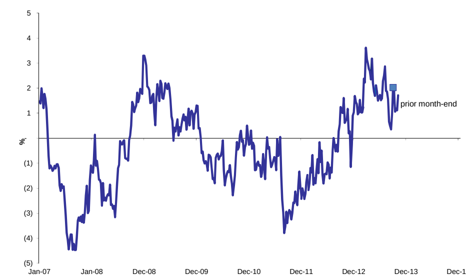
Hedge Fund Performance by Size



Source: Citi Prime Finance.

Large Speculator Positions: CFTC Commitment Of Traders (Futures & Options) Report Net of Longs Less Shorts as Percent of Total Open Positions

Combined S&P/Weighted Mini S&P Contracts

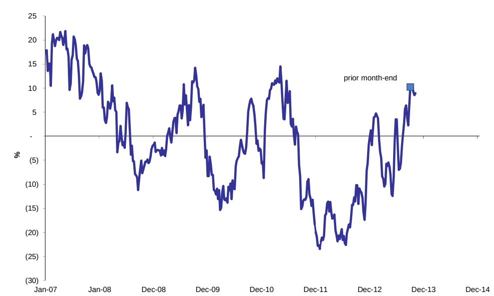


Last Update: 10/29/13 +1.7%

US 10-Year Treasury Futures

Last Update: 10/29/13 -1.5%

EuroFX Futures



Last Update: 10/29/13 +8.9%

Gold Futures

Last Update: 10/29/13 +9.2%

Source: CFTC, Bloomberg, Citi Futures Perspective.

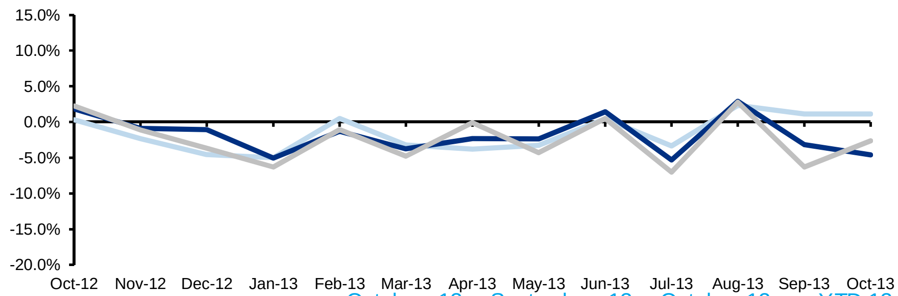
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Dedicated Short Bias

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	-5.0%	0.5%	-3.2%	-3.8%	-3.3%	0.5%	-3.4%	2.3%	1.1%	1.1%			-13.1%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

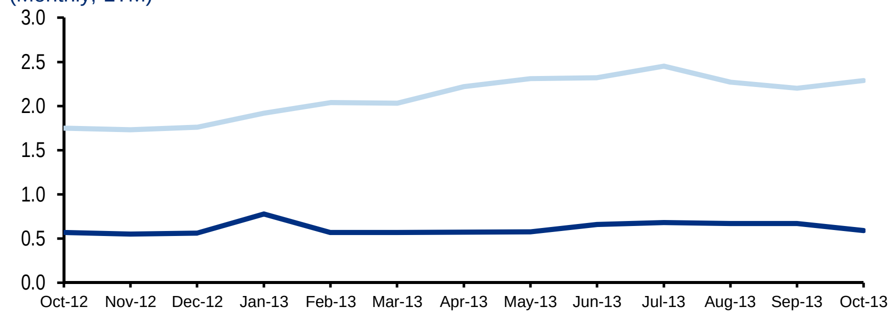


	October -13	September -13	October-12	YTD-13
Ded Short Bias	1.1%	1.1%	0.3%	-13.1%
S&P Short ETF (SH)	-4.6%	-3.2%	1.8%	-23.6%
Rus 2000 Short ETF (RWM)	-2.7%	-6.3%	2.2%	-29.2%

Source: Citi Prime Finance; FactSet.

Leverage Profile

(Monthly, LTM)

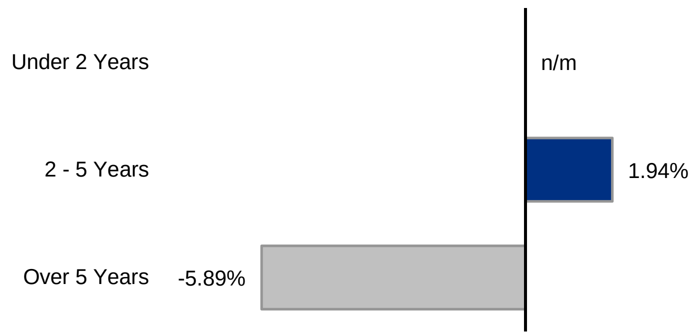


Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV) / Net Equity

LMV Leverage (Mean): Defined as Long Market Value / Net Equity

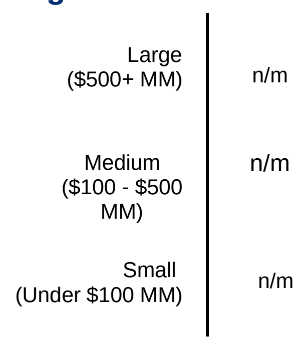
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



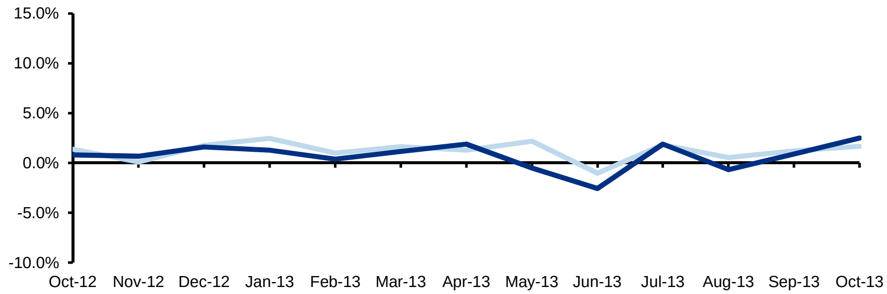
Source: Citi Prime Finance.

Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Distressed

Citi-derived Median	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
	2.5%	1.0%	1.6%	1.3%	2.2%	-1.0%	1.8%	0.5%	1.2%	1.7%			12.7%

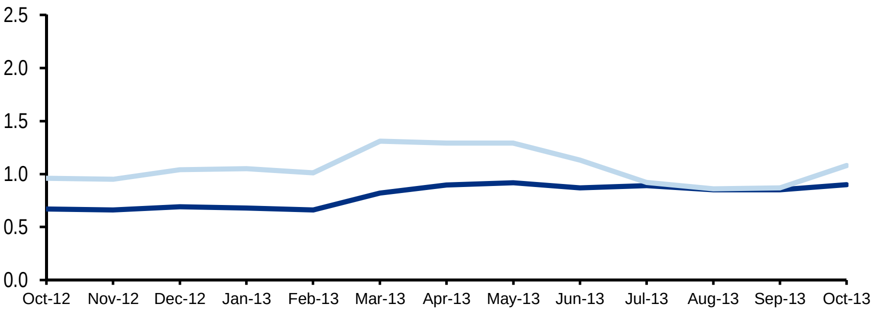
Hedge Fund Performance vs. Benchmark
(Monthly, LTM)



	October -13	September -13	October-12	YTD-13
Distressed	1.7%	1.2%	1.4%	12.7%
Citi HY Bond Index	2.5%	0.9%	0.8%	6.1%

Source: Citi Prime Finance; Citigroup Index LLC; Altman-NYU Salomon Center.

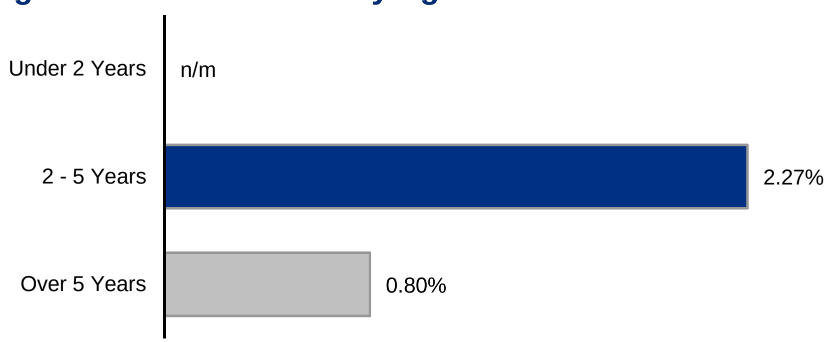
Leverage Profile
(Monthly, LTM)



Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV) / Net Equity
LMV Leverage (Mean): Defined as Long Market Value / Net Equity

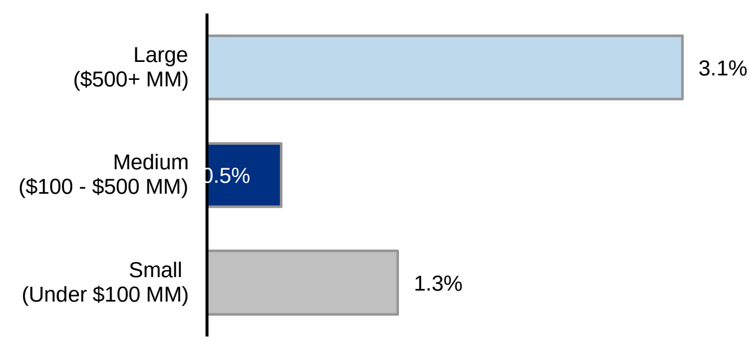
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

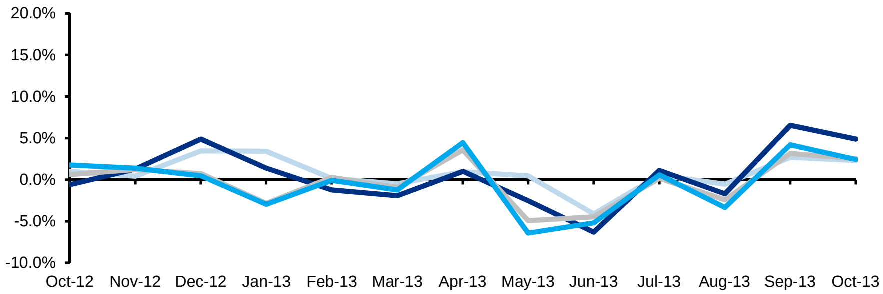
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Emerging Markets

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	**3.4%**	**0.1%**	**-0.5%**	**1.0%**	**0.5%**	**-4.1%**	**0.5%**	**-0.5%**	**2.7%**	**2.3%**			**5.4%**

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

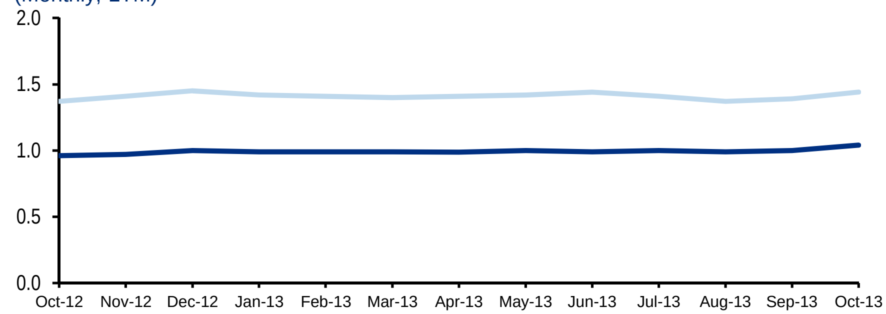


	October -13	September -13	October-12	YTD-13
Emerging Mkts	2.3%	2.7%	1.0%	5.4%
MSCI EM	4.9%	6.5%	-0.6%	1.2%
JPM EMBIG Core ETF (EMB)	2.5%	3.2%	0.6%	-5.9%
DB EM Liquid ETF (PCY)	2.4%	4.2%	1.8%	-7.6%

Source: Citi Prime Finance; FactSet.

Leverage Profile

(Monthly, LTM)

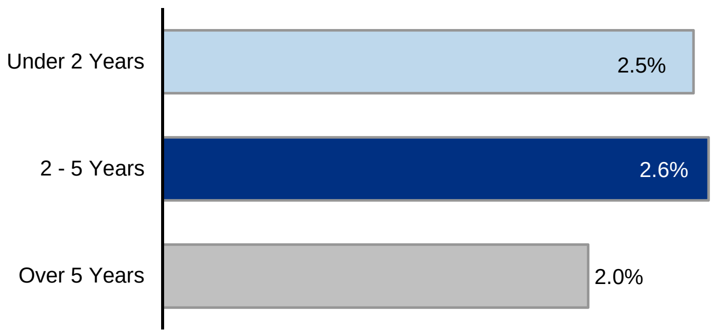


Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV) / Net Equity

LMV Leverage (Mean): Defined as Long Market Value / Net Equity

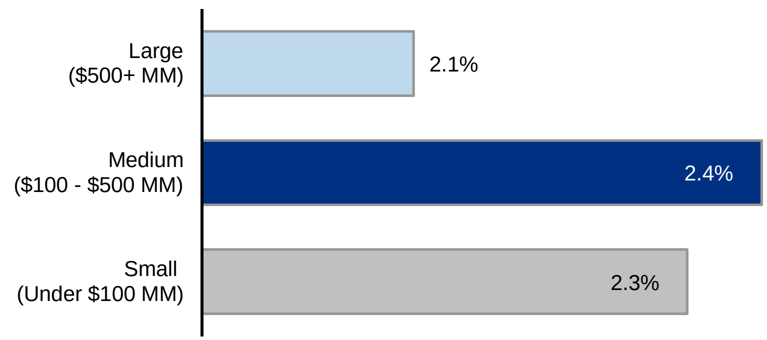
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.

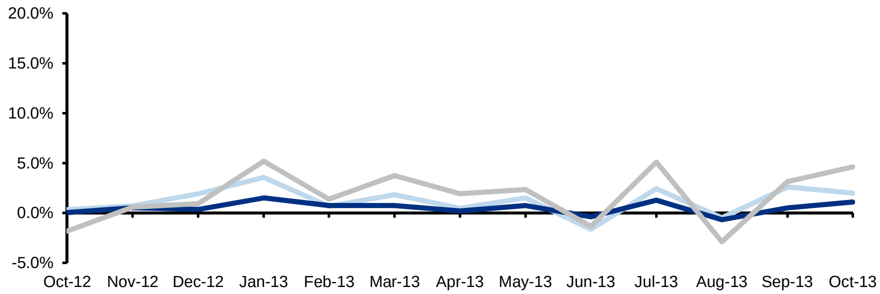
1. Universe and sample sizes may be small.

Equity Long/Short

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	3.5%	0.7%	1.8%	0.5%	1.5%	-1.6%	2.4%	-0.5%	2.6%	2.0%			12.9%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

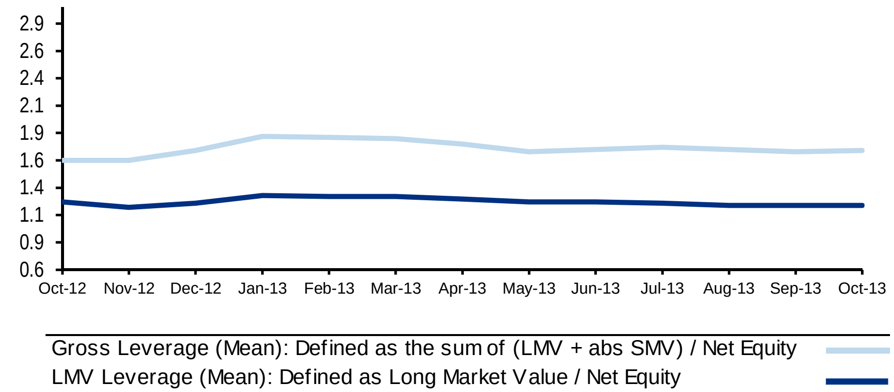


	October -13	September -13	October-12	YTD-13
Eq Long/Short	2.0%	2.6%	0.3%	12.9%
Eq Mkt Neutral	1.1%	0.5%	0.0%	5.7%
S&P 500	4.6%	3.1%	-1.8%	23.1%

Source: Citi Prime Finance; FactSet.

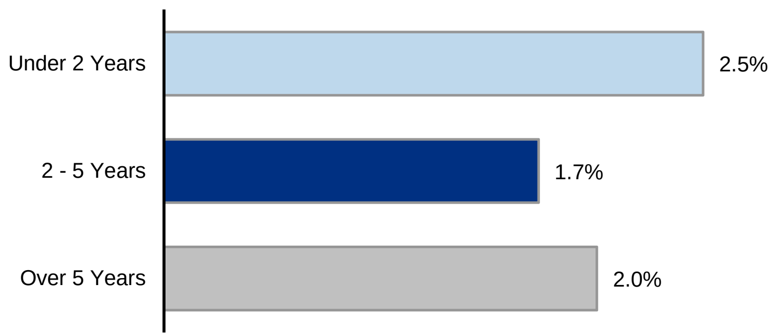
Leverage Profile

(Monthly, LTM)



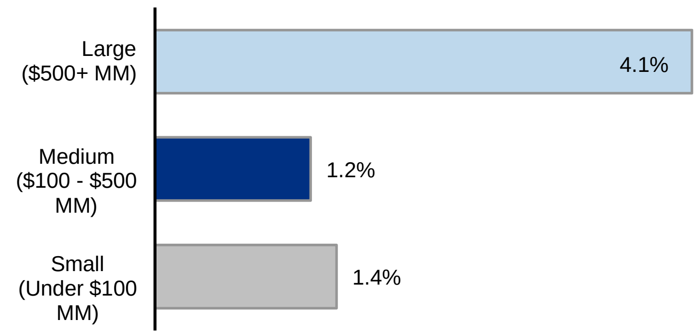
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

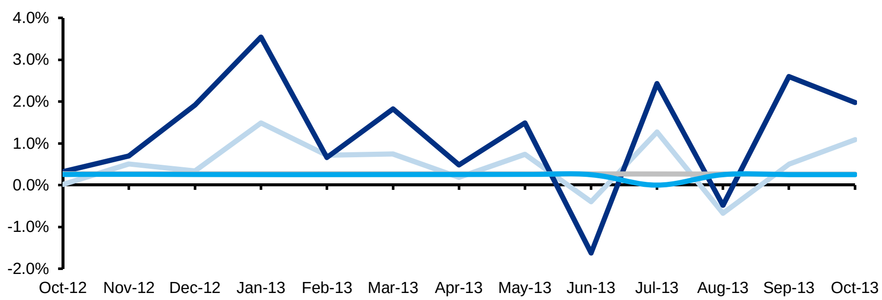
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Equity Market Neutral

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	1.5%	0.7%	0.7%	0.2%	0.7%	-0.4%	1.3%	-0.7%	0.5%	1.1%			5.7%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

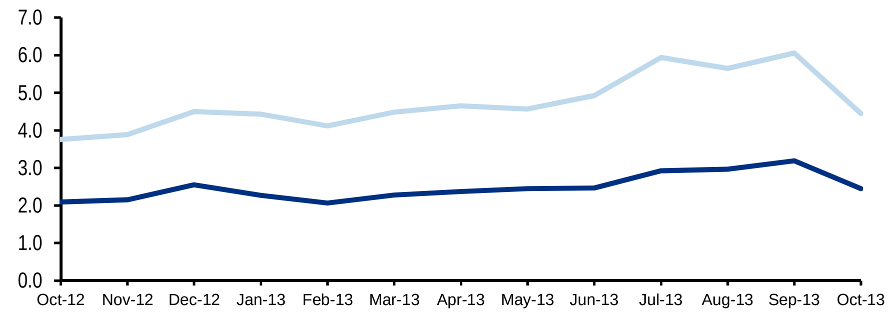


	October -13	September -13	October-12	YTD-13
Eq Mkt Neutral	1.1%	0.5%	0.0%	5.7%
Eq Long/Short	2.0%	2.6%	0.3%	12.9%
LIBOR + 300 bps	0.3%	0.3%	0.3%	2.7%
US T-Bill + 300 bps	0.3%	0.3%	0.3%	2.3%

Source: Citi Prime Finance; FactSet.

Leverage Profile

(Monthly, LTM)

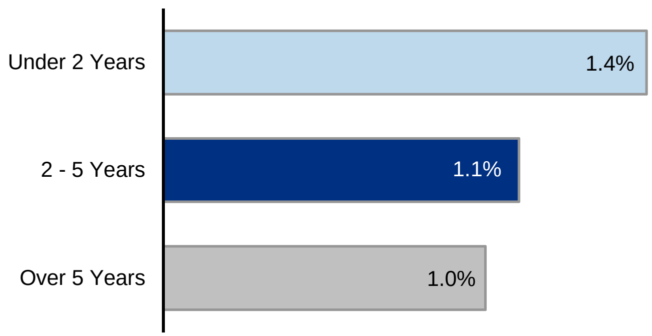


Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV) / Net Equity

LMV Leverage (Mean): Defined as Long Market Value / Net Equity

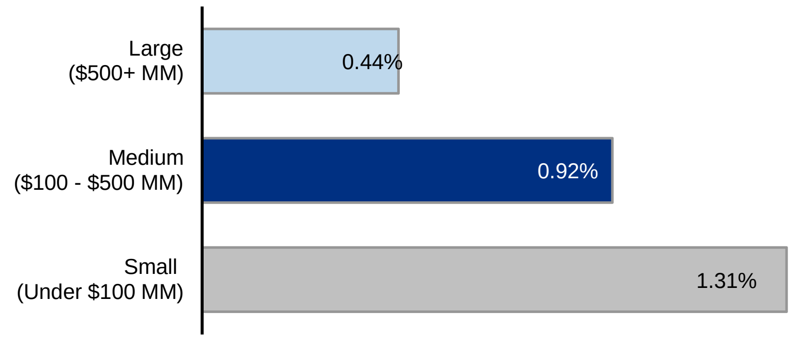
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

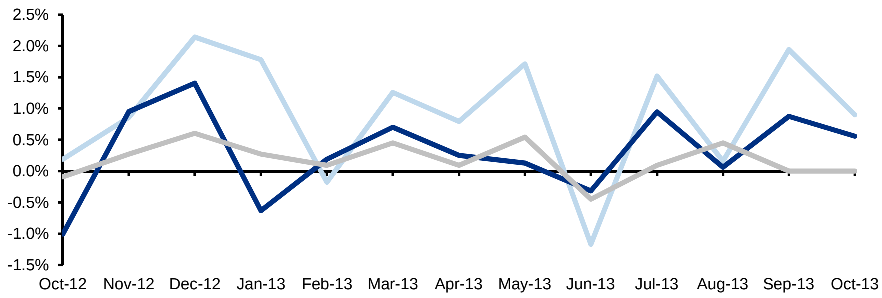
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Event Driven

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	1.8%	-0.2%	1.3%	0.8%	1.7%	-1.2%	1.5%	0.2%	1.9%	0.9%			8.7%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

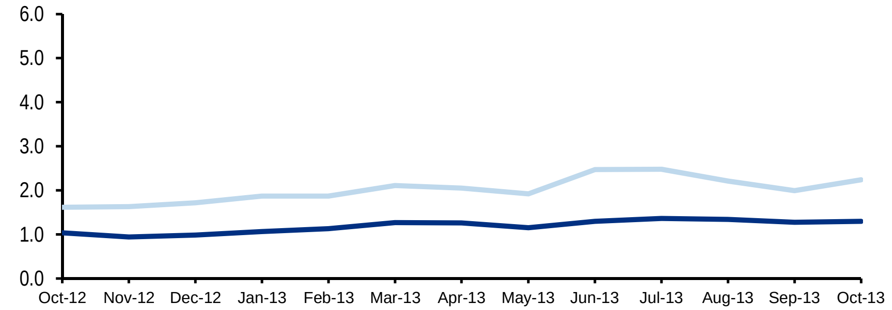


	October -13	September -13	October-12	YTD-13
Event Driven	1.6%	1.9%	0.2%	9.4%
The Merger Fund (MERFX)	0.6%	0.9%	-1.0%	2.8%
AQR Div Arb Fund (ADANX)	0.0%	0.0%	-0.1%	1.5%

Source: Citi Prime Finance; FactSet.

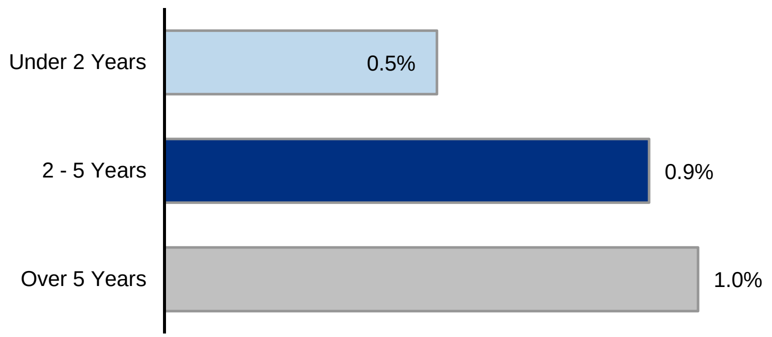
Leverage Profile

(Monthly, LTM)



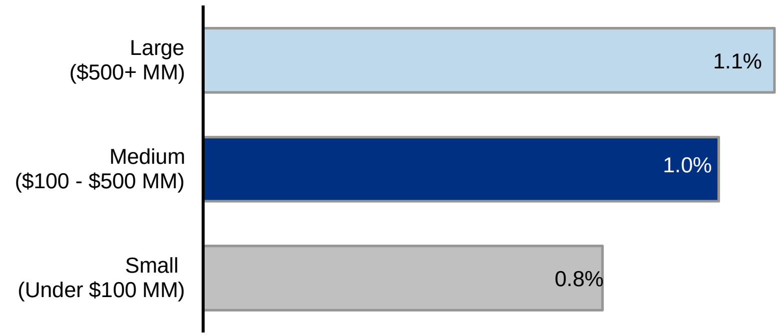
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

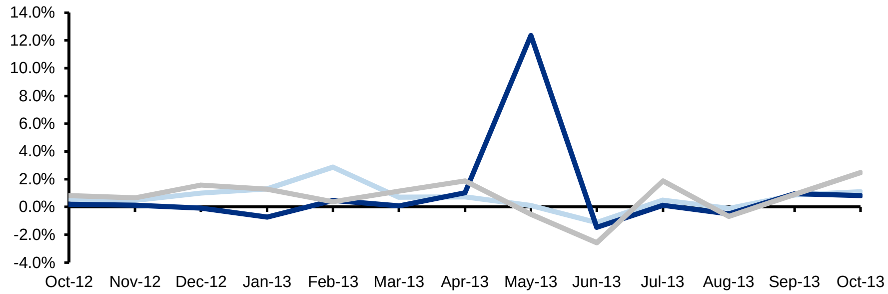
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

FI Arbitrage

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	1.3%	2.9%	0.7%	0.7%	0.1%	-1.1%	0.5%	-0.1%	0.9%	1.1%			6.9%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

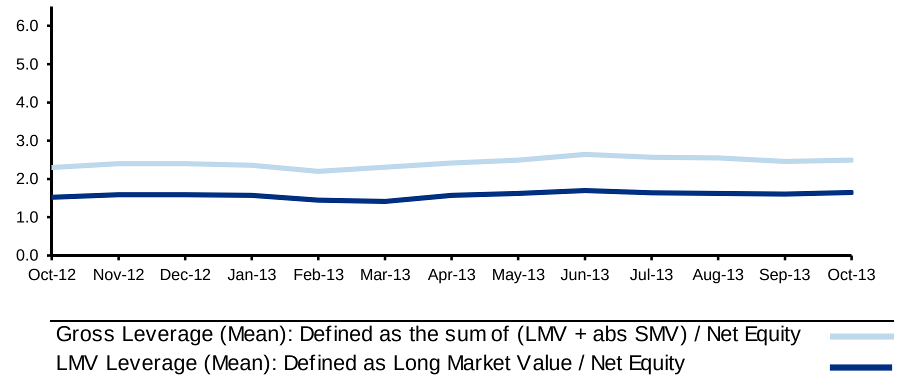


	October -13	September -13	October-12	YTD-13
FI Arbitrage	1.1%	0.9%	0.6%	6.9%
Citi US BIG Index	0.8%	0.9%	0.2%	13.1%
Citi HY Bond Index	2.5%	0.9%	0.8%	6.1%

Source: Citi Prime Finance; Citigroup Index LLC.

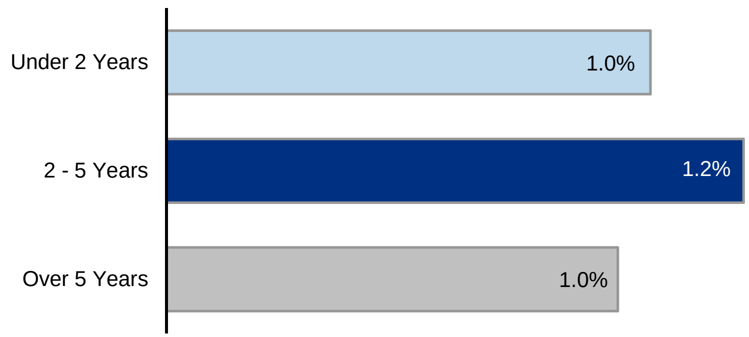
Leverage Profile

(Monthly, LTM)



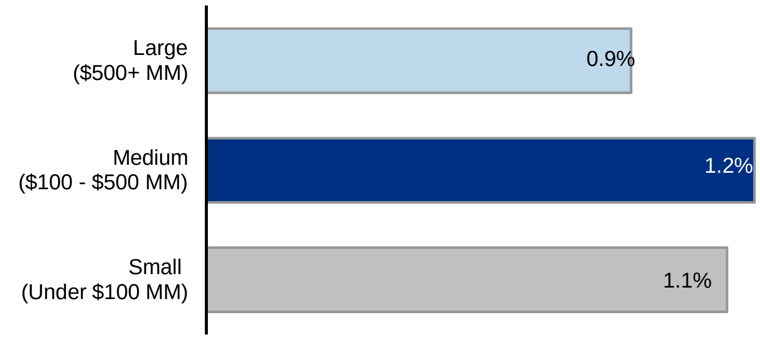
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.

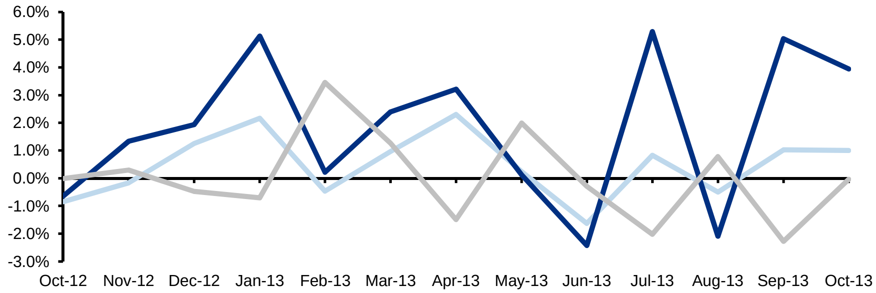
1. Universe and sample sizes may be small.

Global Macro

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	2.2%	-0.5%	1.0%	2.3%	0.2%	-1.6%	0.8%	-0.5%	1.0%	0.9%			5.9%

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

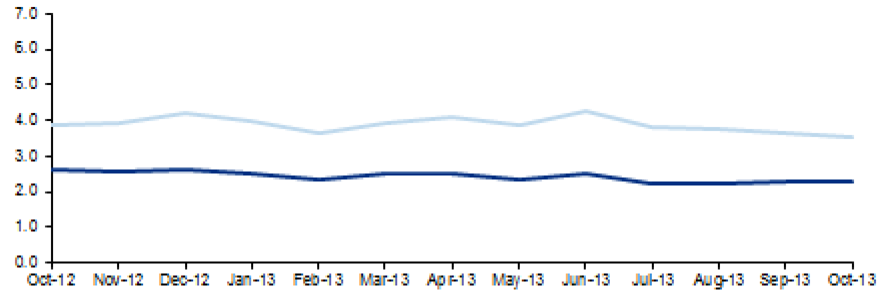


	October -13	September -13	October-12	YTD-13
Global Macro	0.9%	1.0%	-0.9%	5.9%
MSCI World	3.9%	5.0%	-0.6%	20.8%
US$-Index	0.0%	-2.3%	0.0%	0.7%

Source: Citi Prime Finance; FactSet.

Leverage Profile

(Monthly, LTM)

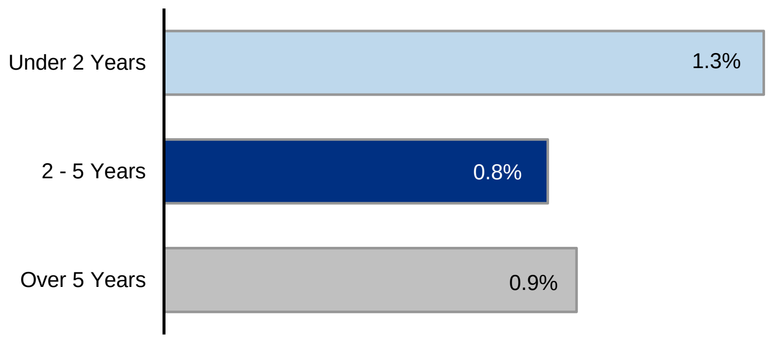


Gross Leverage (Mean): Defined as the sum of (LMV + abs SMV) / Net Equity

LMV Leverage (Mean): Defined as Long Market Value / Net Equity

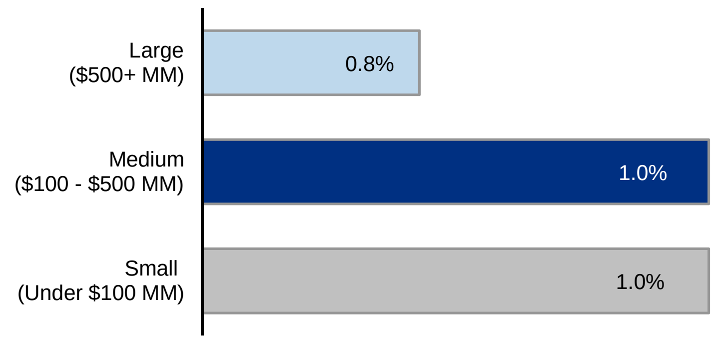
Source: Citi Prime Finance; FactSet.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance; FactSet.

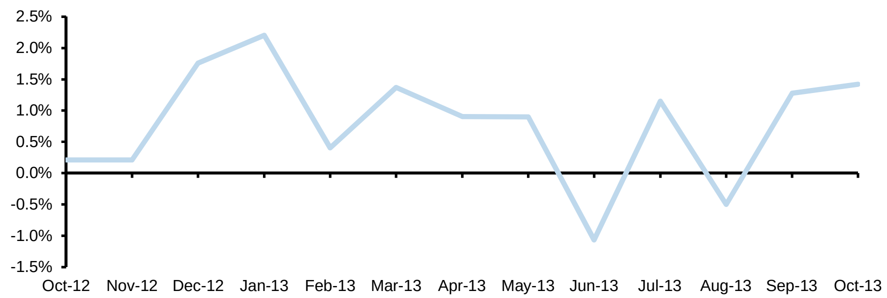
Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

Multi-Strategy

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	YTD
Citi-derived Median	**2.2%**	**0.4%**	**1.4%**	**0.9%**	**0.9%**	**-1.1%**	**1.1%**	**-0.5%**	**1.3%**	**1.4%**			**8.1%**

Hedge Fund Performance vs. Benchmark

(Monthly, LTM)

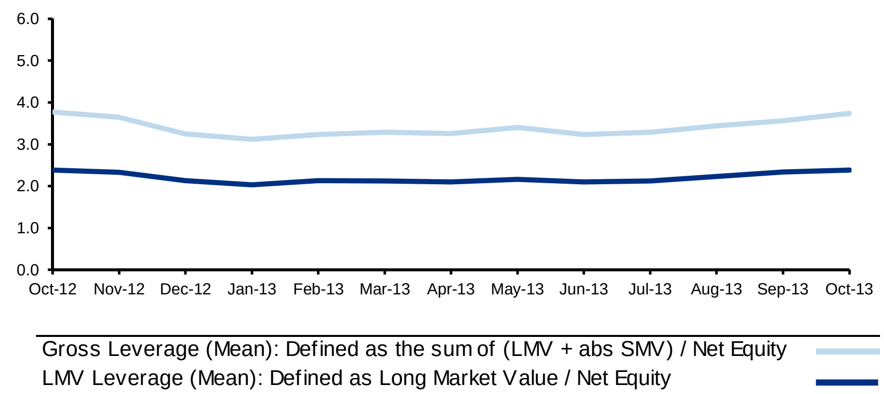


	October -13	September -13	October-12	YTD-13
Multi-Strategy	1.4%	1.3%	0.2%	8.1%

Source: Citi Prime Finance.

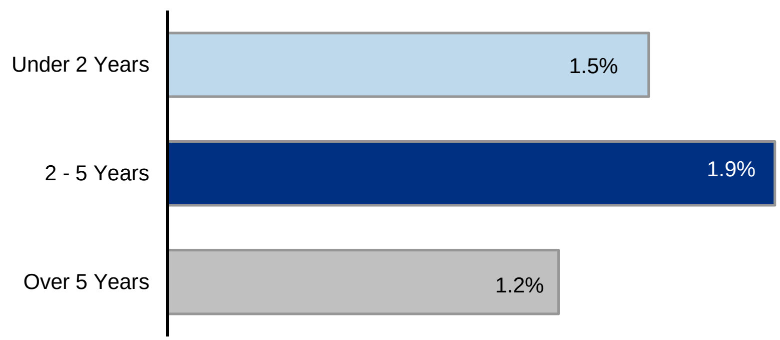
Leverage Profile

(Monthly, LTM)



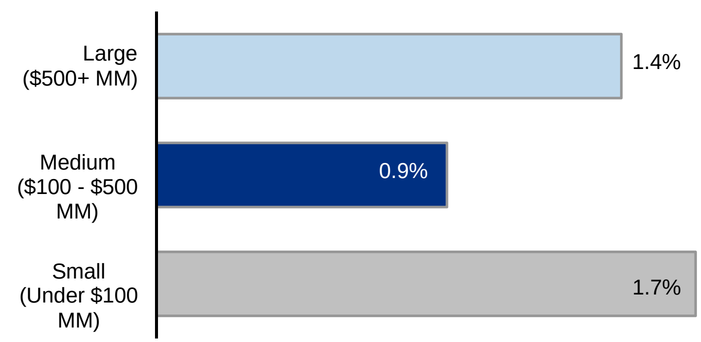
Source: Citi Prime Finance.

Hedge Fund Performance by Age[1]



Source: Citi Prime Finance.

Hedge Fund Performance by Size[1]



Source: Citi Prime Finance.

Note: Hedge fund data is self-reported; each calculation is based on the respective data from funds who have reported for the current period.
1. Universe and sample sizes may be small.

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