

Active managers' holdings update

What are your neighbors doing?

Locking it in. Five signs of no conviction into year-end

1. Long only funds (LOs) made minimal changes to sector exposure in the last 3m – relative sector exposure moved by <2ppt on avg. (Exhibit 2). 2. Cyclical exposure ticked up from all-time lows (Materials +3ppt, Disc. +2ppt, Fins +2ppt) but holdings still skew very defensive (Exhibit 31). 3. Exposure to high beta remains near decade lows, despite the typical year-end beta rally – see [fund performance](#) and Exhibit 14. 4. Active share dropped to 10yr lows (Exhibit 18), with benchmark-hugging in full force. And 5. cash allocations are off peak earlier this year but still +1 std dev above avg (Exhibit 104).

TMT and bond love

The largest shift in sector exposure this year has been 13ppt added to Communication Services (Tech/Media/Telecom) following the sector's 1H dominance. The sector is now 26% overweight, the most crowded of 11 sectors. Bond love is evident in holdings data as well as commitment of traders data, where net speculative positioning in 10-yr US Treasury bonds sits at all-time highs (Exhibit 112), where extended positions have generally preceded rising yields over the next month.

REITs are the most unloved bond proxy

Bond proxies like Utilities, Staples and Real Estate are down ~10% on avg. after the rate shock since April (10yr up 115bp) and other idiosyncratic factors weighing on the sectors. LOs, which have historically been light high dividend yielding sectors, pared exposure even more (Exhibit 7). The largest drop in LO exposure since April was Staples (-8ppt), but HF's took the other side, adding exposure to Staples (+17ppt) and Real Estate (+27ppt). For inflation protected income, we like Real Estate – refinancing risks are known, CRE is minimal, and the floor may be in given excessively light positioning.

GLP-1 and done

Bond proxies were hit by a perfect storm. In addition to a significant rate shock, we saw financing risks for renewables in the Utilities sector, and a thematic short play out for food items at risk of a demand shock from appetite suppressing diabetes medication. LOs shaved a full 6ppt of exposure off of Food Bev. & Tobacco this year, a seismic shift. And they added +4ppt to Pharma, which was already overweight. We are underweight Health Care: it is crowded, has high floating rate risk and fiscal austerity risks where HC has the highest government exposure of all sectors.

Tax Loss candidates that could really bounce

Much has been written recently about tax loss harvesting. But nearly 80% of Tax Loss Candidates or "TLCs" which we define as S&P 500 stocks down 10% or more YTD were already underweight by LOs as of September, suggesting less selling pressure. The companies most likely to move are those that were overweight by LOs as of 3Q but were sold for losses – an overweight indicates fundamental investors have an appetite and thus are more likely to repurchase. See Exhibit 8 for TLCs that could bounce.

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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Refer to important disclosures on page 34 to 36.

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LO: long only fund

HF: hedge fund

OW: overweight

MW: marketweight

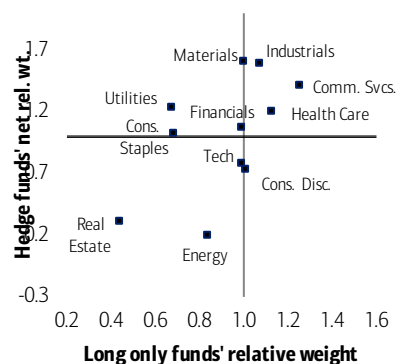
UW: underweight

TLC: Tax Loss Candidate

LOs made minimal changes to sectors over last 3 mths

Exhibit 1: Industrials, TMT, Health Care = consensus longs; Real Estate & Energy = consensus shorts

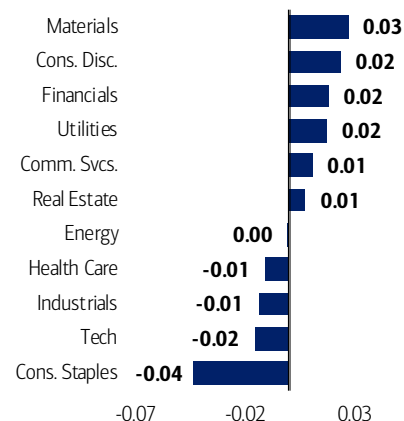
LO and HF sector weights relative to the S&P 500 (as of 9/23)



Source: FactSet Ownership, BofA US Equity & Quant Strategy
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Exhibit 2: Last 3 months: Long only funds added exposure to Materials, decreased exposure to Staples

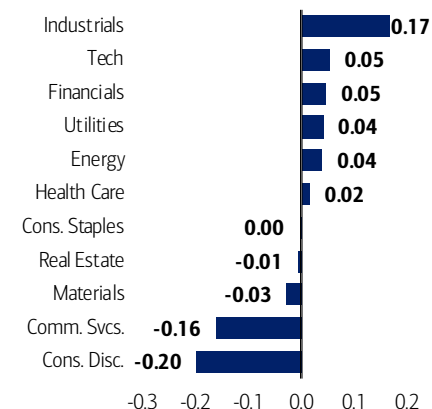
3m relative weight change: long only funds, as of Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership
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Exhibit 3: Last 3 months: Hedge funds added exposure to Industrials, decreased exposure to Discretionary

3m relative weight change: long only funds, as of Sep. 2023

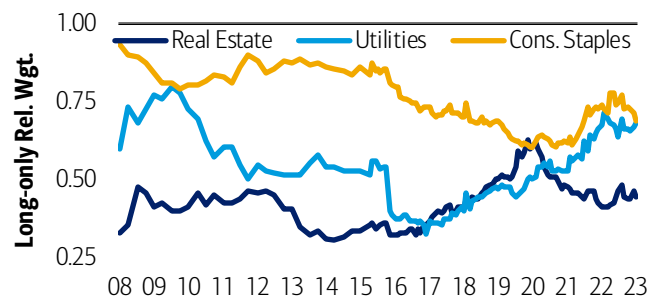


Source: BofA US Equity & Quant Strategy, FactSet Ownership
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REITs: the most hated bond proxy

Exhibit 4: Real estate is most hated bond proxy by long only funds...

Long only funds' relative sector weight in bond proxy sectors vs. S&P 500

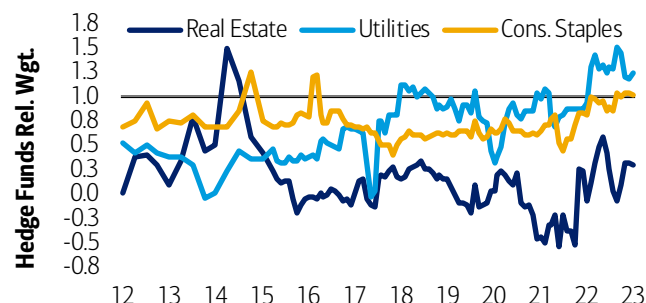


Source: FactSet, BofA US equity & Quant Strategy

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Exhibit 5: ...and by hedge funds

Hedge funds' relative sector weight in bond proxy sectors vs. S&P 500

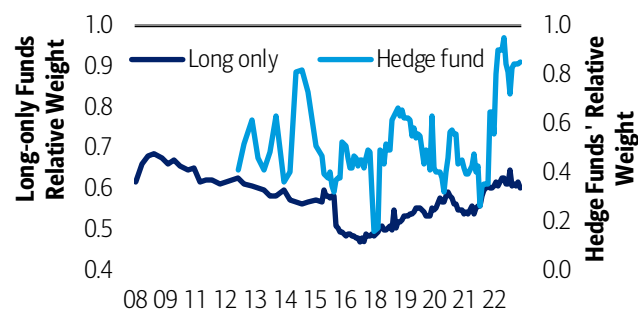


Source: FactSet, BofA US equity & Quant Strategy

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Exhibit 6: Hedge funds are more bullish on bond proxies sectors

Funds' relative weight in bond proxy sectors (average of Staples, Utilities, Real Estate)

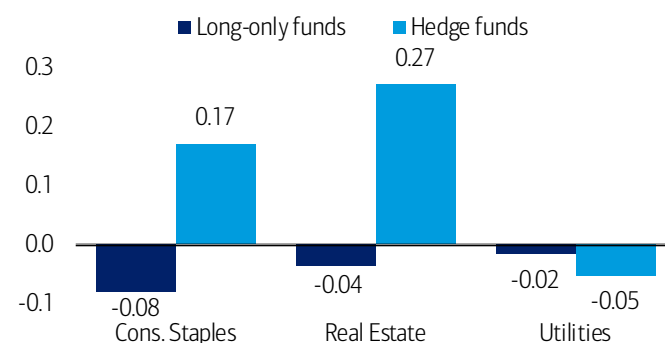


Source: FactSet, BofA US equity & Quant Strategy

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Exhibit 7: LOs decreased bond proxy exposure since April, hedge funds mostly increased exposure

Change in funds' sector relative weight vs. S&P 500 since April 2023



Source: FactSet, BofA US equity & Quant Strategy

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Tax Loss Candidates (TLCs)

Much has been written this year about tax loss selling by institutional investors. But we found that nearly 80% of Tax Loss Candidates (TLCs; S&P stocks down 10% or more from Jan.-Oct.) were already UW by LOs as of September, suggesting minimal selling pressure (see Appendix for full list of TLCs). The companies most likely to move are those that were overweight by LOs as of the end of September (indicating an appetite for ownership by fundamental investors). [See Theme Screens](#) for Buy-rated TLCs that could bounce in November.

Exhibit 8: TLCs overweight by long-only funds as of September

Buy-rated stocks down 10% or more from Jan.-Oct. 31, 2023 that were overweight by long-only funds as of Sept.

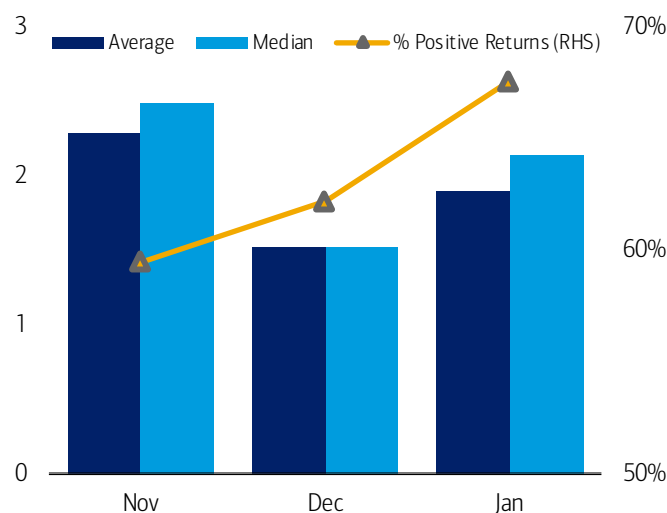
Ticker Company Name	Sector	YTD perf. through Oct.	Relative Wgt. vs. S&P	BofA Rating	Price
		31	500		
MOS Mosaic Company	Materials	-26.0	2.2	BUY	31.93
FIS Fidelity National Information Services, Inc.	Financials	-27.6	1.7	BUY	51.10
PODD Insulet Corporation	Health Care	-55.0	1.4	BUY	161.87
MET MetLife, Inc.	Financials	-17.1	1.6	BUY	60.05
KDP Keurig Dr Pepper Inc.	Consumer Staples	-14.9	2.3	BUY	31.00
TGT Target Corporation	Consumer Staples	-25.7	1.2	BUY	111.35
DXCM DexCom, Inc.	Health Care	-21.6	1.4	BUY	95.19
NOC Northrop Grumman Corp.	Industrials	-13.6	2.5	BUY	467.70
TMO Thermo Fisher Scientific Inc.	Health Care	-19.2	1.2	BUY	459.24
CNP CenterPoint Energy, Inc.	Utilities	-10.4	1.9	BUY	27.19
GM General Motors Company	Consumer Discretionary	-16.2	1.2	BUY	28.41
MS Morgan Stanley	Financials	-16.7	1.1	BUY	75.51
PM Philip Morris International Inc.	Consumer Staples	-11.9	1.4	BUY	91.28
AMT American Tower Corporation	Real Estate	-15.9	1.1	BUY	185.45
ABT Abbott Laboratories	Health Care	-13.9	1.1	BUY	94.80

Source: FactSet, BofA US Equity & Quant Strategy. This screen is not a recommended list either individually or as a group of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision. Sorted by an average rank of YTD performance and relative weight vs. S&P 500

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Exhibit 9: TLC stocks have typically seen positive returns in Nov-Jan

Historical absolute returns for TLCs (stocks down 10% or more for the year by Oct. 31), 1986-2022

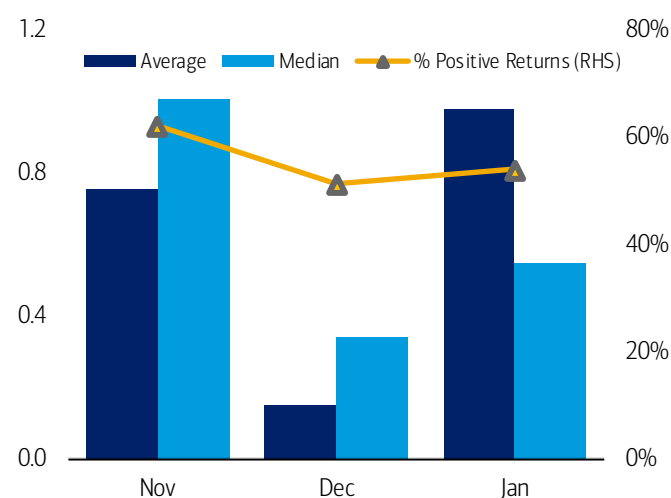


Source: FactSet, BofA US Equity & Quant Strategy

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Exhibit 10: Both Nov. and Jan. have been strong for TLC stocks vs. the S&P

Historical relative returns for TLCs vs. S&P 500, 1986-2022



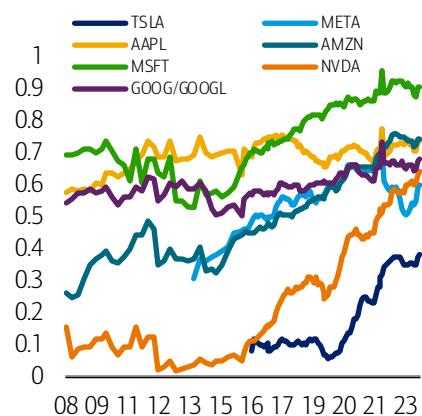
Source: FactSet, BofA US Equity & Quant Strategy

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Who's left to buy the Magnificent 7?

Exhibit 11: Critical mass: few funds left to buy top stocks

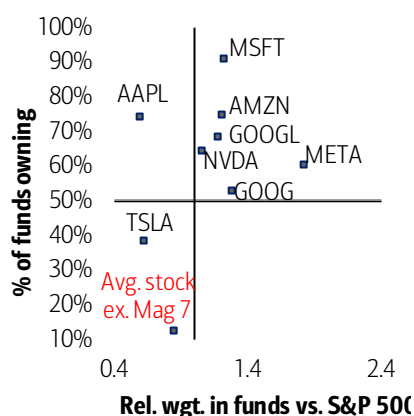
% of large cap long only active funds owning each ticker (as of 9/30/2023)



Source: FactSet Ownership, BofA US Equity & Quant Strategy
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Exhibit 12: Just AAPL and TSLA are underweight by active funds

Large cap long only funds holdings in Magnificent 7 (as of 9/30/2023)



Source: FactSet Ownership, BofA US Equity & Quant Strategy
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Exhibit 13: Short interest in Magnificent 7 at an all-time low

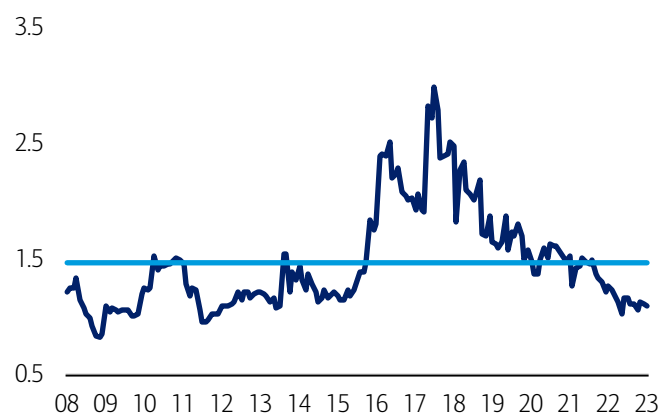
Short interest in Magnificent 7 as a % of market cap



Source: FactSet, BofA US Equity & Quant Strategy
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Exhibit 14: Beta (cyclical bullish) exposure is closing in on all-time lows

LO relative weight in High (top decile S&P 500) vs. Low Beta (as of 9/30/2023)

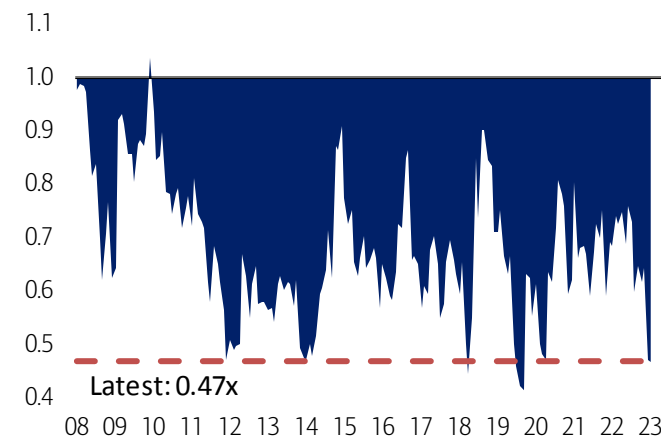


Source: BofA US Equity & US Quant Strategy, FactSet Ownership

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Exhibit 15: Value is back to extremely underweight vs. Growth

Long only positioning in Value vs Growth proxied by P/E vs Long-Term Growth of S&P 500 (9/2008-present)



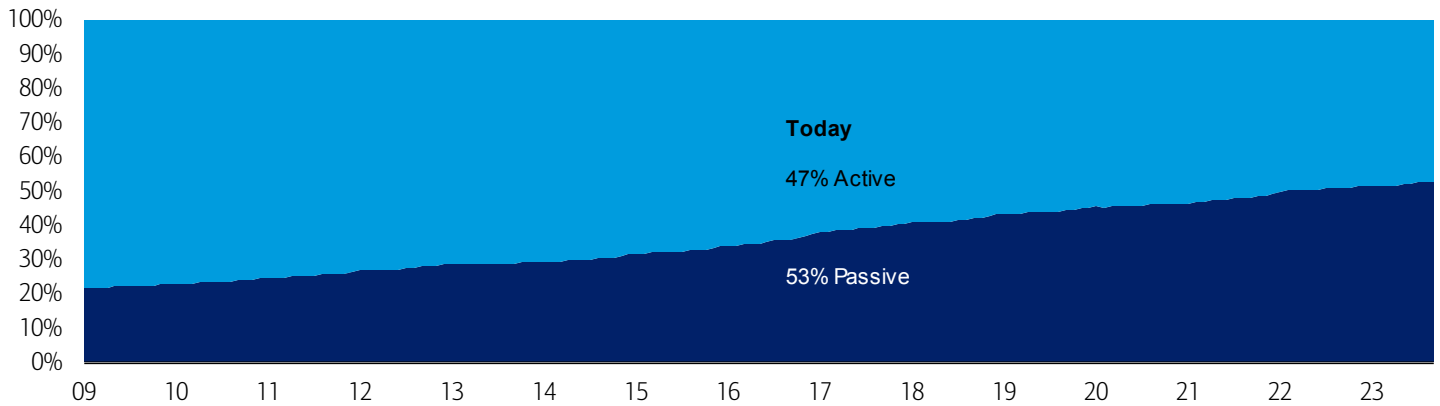
Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Time to get active

Exhibit 16: Passive now accounts for the majority of US domiciled AUM

US AUM allocation active vs. passive (2009 to 9/2023)

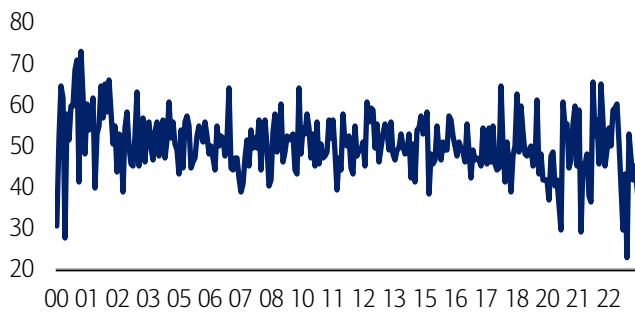


Source: Strategic Insights, SimFund, BofA US Equity & US Quant Strategy

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Exhibit 17: Market breadth still below average but off of its lows (better odds for stock pickers)

% of stocks outperforming the S&P 500 over the last month (2000-10/23)

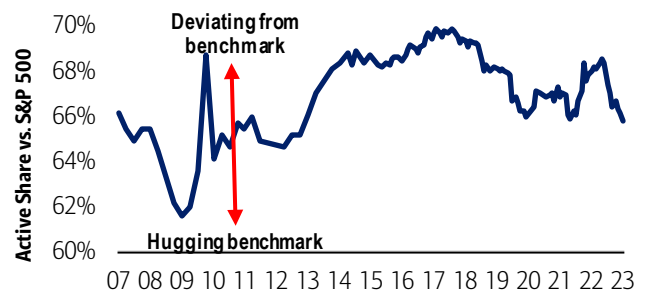


Source: FactSet, BofA US Equity & Quant Strategy

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Exhibit 18: More benchmark hugging = waning investor conviction

Active share ratio of core managers vs. S&P 500 (2007-Sep. 2023)

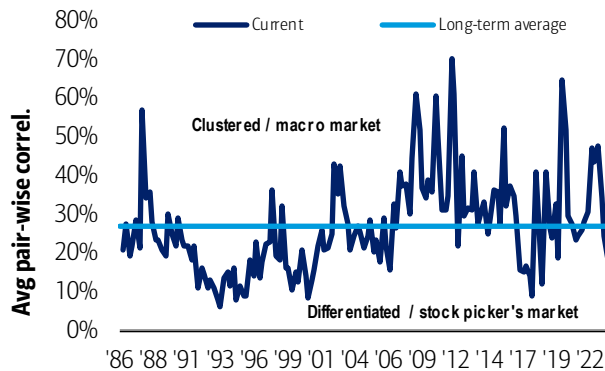


Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 19: Lower pair-wise correlations = more micro, less macro

Avg. pair-wise stock correl. based on 90-day periods, daily (as of 10/23)

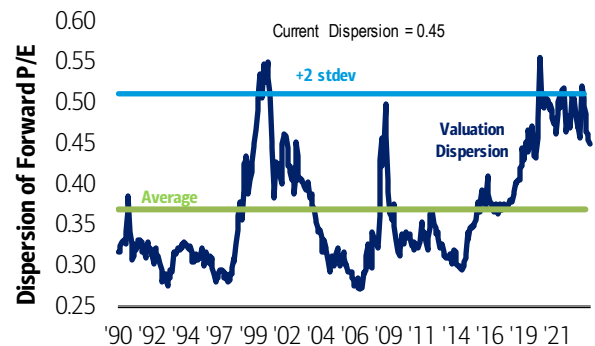


Source: FactSet, BofA US Equity & US Quant Strategy

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Exhibit 20: P/E dispersion highs = alpha for value investors

S&P 500 valuation dispersion of fwd P/E (std. dev / avg) (1990-10/23)



Source: FactSet, BofA US Equity & US Quant Strategy

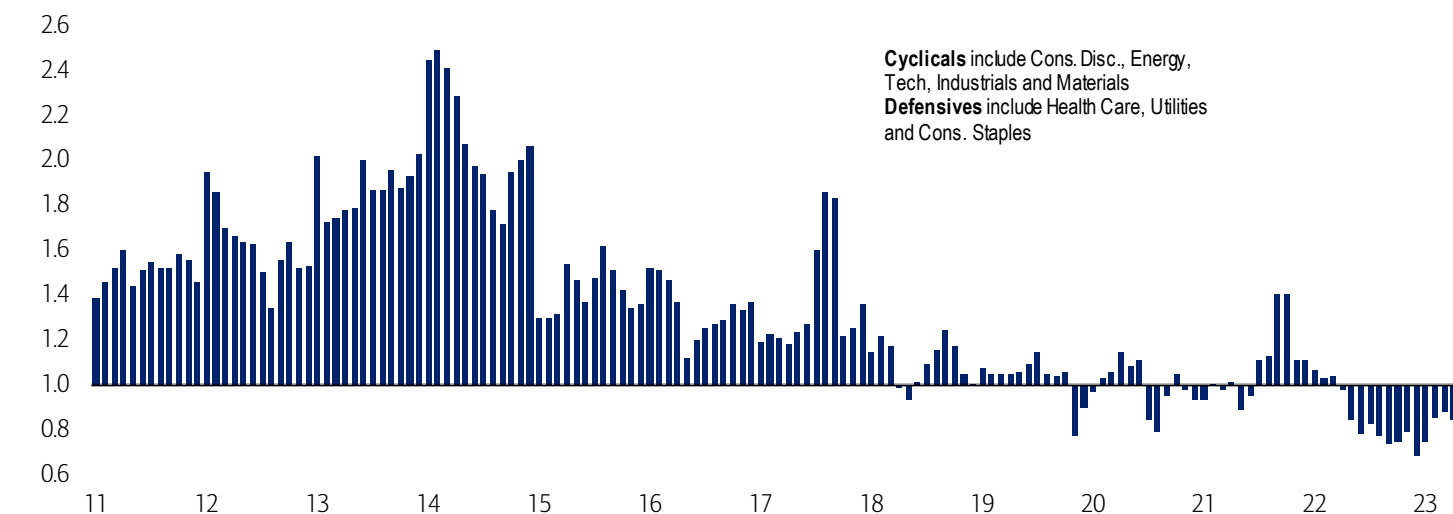
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Hedge fund positioning

We analyze hedge fund managers' positioning in the S&P 500 stocks by aggregating their long positions reported through the 13F filings, and by estimating their short positions based on exchange-reported data. We estimate that hedge funds account for 85% of the total short interest. The net exposure of hedge funds (HFs) is defined as their reported long exposure less their estimated short exposure.

Exhibit 21: Hedge funds' exposure to cyclical vs. defensive sectors inched up in the past few months but is still low vs. history

Hedge funds' cyclical vs. defensive positioning (as of Sep. 2023)



Source: BofA US Equity & Quant Strategy, FactSet Ownership

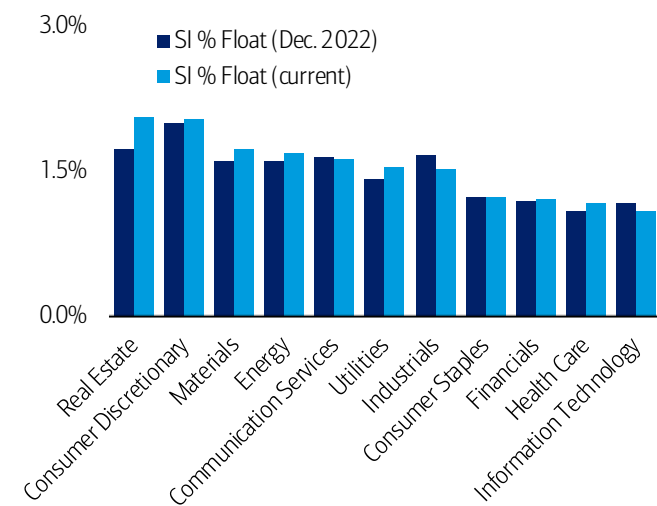
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The longest and the shortest sectors

Real Estate is the most shorted sector while Tech is the least shorted.

Exhibit 22: Real Estate has the highest short interest and has seen the largest increase in short interest this year

Current short interest as a % of Float vs. Dec. 2022 by sector

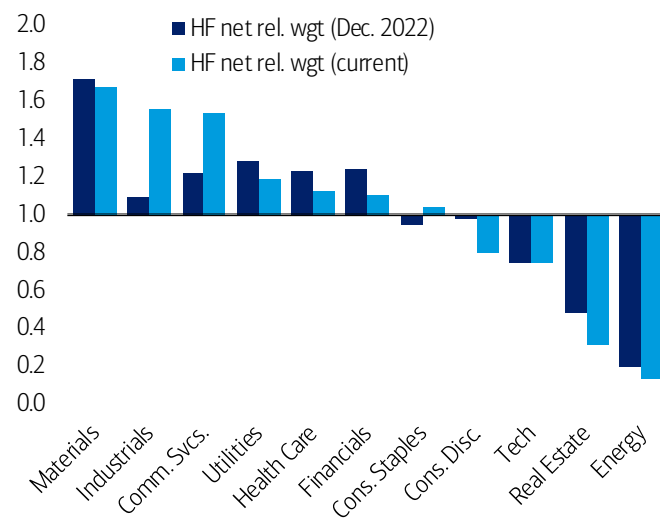


Source: BofA US Equity & Quant Strategy, FactSet

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Exhibit 23: Industrials has seen the largest increase in hedge fund net relative exposure this year

Current net relative weight (Sep. 2023) in sectors vs. Dec. 2022



Source: BofA US Equity & Quant Strategy, FactSet

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The longest and the shortest stocks

Below we provide screens of S&P 500 stocks with the most (Exhibit 24) and the least (Exhibit 25) short interest as a % of float where, as noted earlier, we estimate that 85% of total short interest in stocks is from hedge funds. We also include screens of S&P 500 stocks most overweight (Exhibit 26) and underweight (Exhibit 27) by hedge funds, relative to the stocks' weight in the S&P 500.

Exhibit 24: Ralph Lauren (RL) is the most shorted stock

Top 20 S&P 500 stocks by short interest (by % of float), Sep. 2023

Ticker	Company	Sector	Short interest as a % of float
RL	Ralph Lauren	Cons. Disc.	12.8
PARA	Paramount Global	Comm. Svcs.	12.4
SEDG	SolarEdge Technologies, Inc.	Tech	12.1
AAL	American Airlines, Inc.	Industrials	11.7
POOL	Pool	Cons. Disc.	11.3
KMX	CarMax, Inc.	Cons. Disc.	10.7
TSCO	Tractor Supply	Cons. Disc.	10.4
NCLH	Norwegian Cruise Line Holdings Ltd.	Cons. Disc.	10.3
CCL	Carnival	Cons. Disc.	10.1
CHRW	C.H. Robinson Worldwide, Inc.	Industrials	10.0
ZION	Zions Bancorporation, N.A.	Financials	9.3
WHR	Whirlpool	Cons. Disc.	9.3
ETSY	Etsy, Inc.	Cons. Disc.	8.9
ENPH	Enphase Energy, Inc.	Tech	8.5
ABNB	Airbnb Inc.	Cons. Disc.	8.2
GNRC	Generac Holdings Inc.	Industrials	7.6
ALB	Albemarle	Materials	7.5
RCL	Royal Caribbean	Cons. Disc.	7.5
AKAM	Akamai Technologies, Inc.	Tech	7.3
CDAY	Ceridian HCM Holding, Inc.	Industrials	7.3

Source: BofA US Equity & Quant Strategy, FactSet Ownership

This screen is not a recommended list either individually or as a group of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision.

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Exhibit 25: Philip Morris (PM) is the least shorted stock

Bottom 20 S&P 500 stocks by short interest (by % of float), Sep. 2023

Ticker	Company	Sector	Short interest as a % of float
PM	Philip Morris International Inc.	Cons. Staples	0.39
MA	Mastercard	Financials	0.51
MSI	Motorola Solutions, Inc.	Tech	0.51
GOOG	Alphabet Inc.	Comm. Svcs.	0.52
ICE	Intercontinental Exchange, Inc.	Financials	0.53
RTX	Raytheon Technologies	Industrials	0.53
MSFT	Microsoft	Tech	0.53
MMC	Marsh & McLennan Companies	Financials	0.53
KO	Coca-Cola	Cons. Staples	0.53
CB	Chubb Limited	Financials	0.54
LIN	Linde plc	Materials	0.58
MRK	Merck & Co., Inc.	Health Care	0.58
ABT	Abbott Laboratories	Health Care	0.59
RSG	Republic Services, Inc.	Industrials	0.59
PG	Procter & Gamble	Cons. Staples	0.60
LLY	Eli Lilly and	Health Care	0.60
JPM	JPMorgan Chase & Co.	Financials	0.60
WMT	Walmart Inc.	Cons. Staples	0.60
AAPL	Apple Inc.	Tech	0.61
TEL	TE Connectivity Ltd.	Tech	0.61

Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 26: Incyte (INCY) has the highest net exposure by HFs

Top 20 S&P 500 stocks by HF net relative exposure, Sep. 2023

Ticker	Company	Sector	HF net relative weight
INCY	Incyte	Health Care	38.06
BBWI	Bath & Body Works, Inc.	Cons. Disc.	28.98
TDG	TransDigm	Industrials	17.07
EG	Everest Group	Financials	12.43
QRVO	Qorvo, Inc.	Tech	12.24
UHS	Universal Health Services, Inc.	Health Care	12.09
IVZ	Invesco Ltd.	Financials	11.27
BIO	Bio-Rad Laboratories, Inc.	Health Care	10.96
LW	Lamb Weston Holdings, Inc.	Cons. Staples	10.31
CMA	Comerica	Financials	9.99
TRGP	Targa Resources Corp.	Energy	9.70
FICO	Fair Isaac Corp	Tech	9.54
CTLT	Catalent Inc	Health Care	9.02
FIS	Fidelity National Information Services, Inc.	Financials	8.95
MRO	Marathon Oil	Energy	8.78
TTWO	Take-Two Interactive Software, Inc.	Comm. Svcs.	8.41
VRSN	VeriSign, Inc.	Tech	8.32
CF	CF Industries Holdings, Inc.	Materials	8.27
EXPE	Expedia, Inc.	Cons. Disc.	8.20
SHW	Sherwin-Williams	Materials	8.19

Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 27: Paramount (PARA) has the lowest net exposure by HFs

Bottom 20 S&P 500 stocks by HF net relative exposure, Sep. 2023

Ticker	Company	Sector	HF net relative weight
PARA	Paramount Global	Comm. Svcs.	-12.37
TSCO	Tractor Supply	Cons. Disc.	-10.32
WHR	Whirlpool	Cons. Disc.	-7.77
KMX	CarMax, Inc.	Cons. Disc.	-7.72
POOL	Pool	Cons. Disc.	-7.51
RL	Ralph Lauren	Cons. Disc.	-6.94
CHRW	C.H. Robinson Worldwide, Inc.	Industrials	-6.87
ENPH	Enphase Energy, Inc.	Tech	-6.12
TROW	T. Rowe Price	Financials	-6.08
OXY	Occidental Petroleum	Energy	-5.65
WBA	Walgreens Boots Alliance, Inc.	Cons. Staples	-5.37
ALB	Albemarle	Materials	-5.22
ABNB	Airbnb Inc	Cons. Disc.	-4.68
WAT	Waters	Health Care	-4.66
SEDG	SolarEdge Technologies, Inc.	Tech	-4.64
CE	Celanese	Materials	-4.04
AKAM	Akamai Technologies, Inc.	Tech	-3.80
BEN	Franklin Resources, Inc.	Financials	-3.62
BALL	Ball	Materials	-3.53
BX	Blackstone Inc	Financials	-3.45

Source: BofA US Equity & Quant Strategy, FactSet Ownership

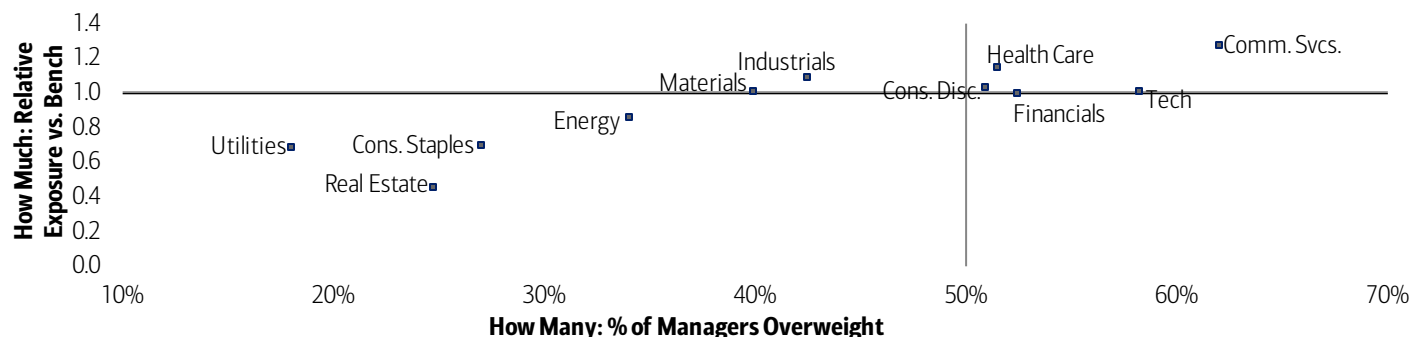
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Long only fund positioning

Exhibit 28: Long only fund managers are most overweight Comm. Svcs.

Long only fund sector positioning as of Sep. 2023

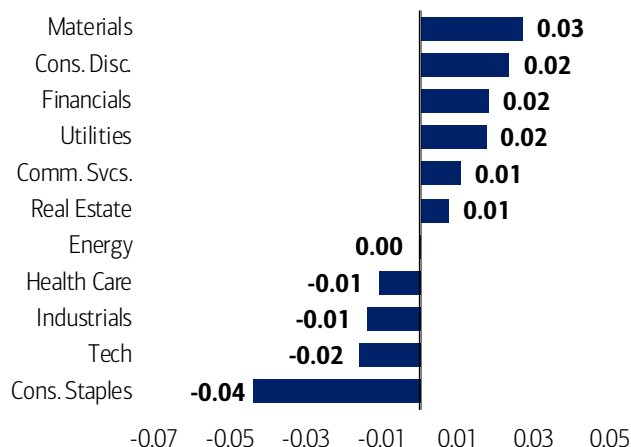


Source: FactSet Ownership, BofA US Equity & Quant Strategy

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Exhibit 29: Last 3 months: Long only funds added exposure to Materials, decreased exposure to Staples

3m relative weight change: long only funds, as of Sep. 2023

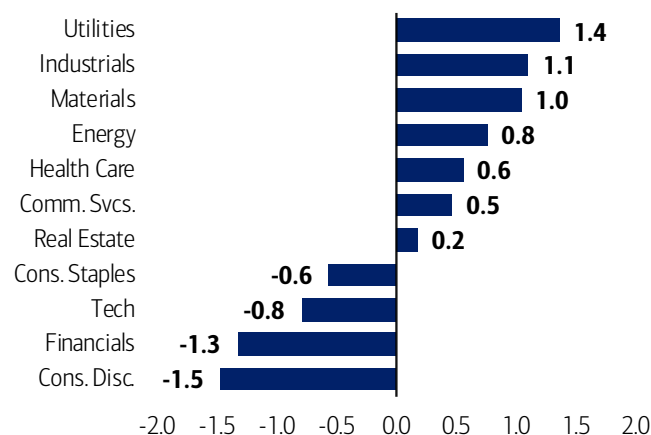


Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 30: Utilities and Industrials are most overweight vs. history, Discretionary & Financials are most underweight vs. history

Latest long only fund sector exposure as the Z-score vs. history, as of Sep. 2023

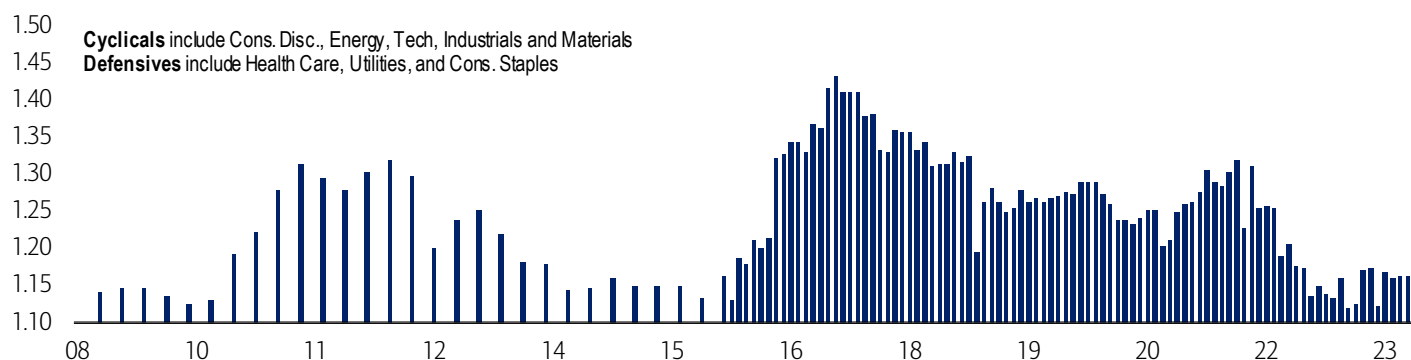


Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 31: Long only funds' exposure to cyclical vs. defensive sectors ticked up but still well below average

Long only fund relative positioning in cyclical vs. defensive sectors, Sep. 2023



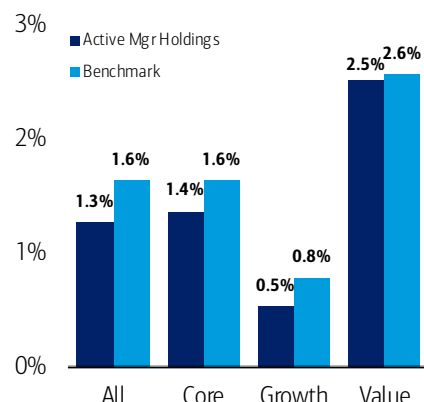
Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Active long only fund characteristics

Exhibit 32: PMs have lower dividend yields than benchmarks

Dividend Yield exposure by manager style as of Sep. 2023

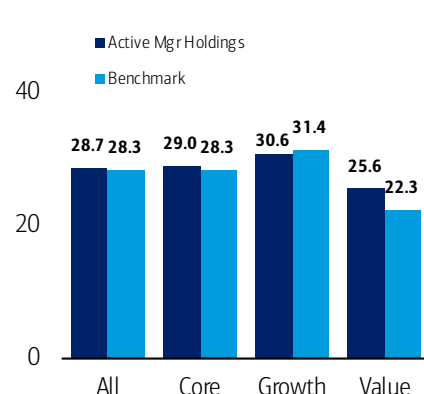


Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

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Exhibit 33: Value managers are longer duration than benchmarks

Equity Duration exposure by manager style as of Sep. 2023

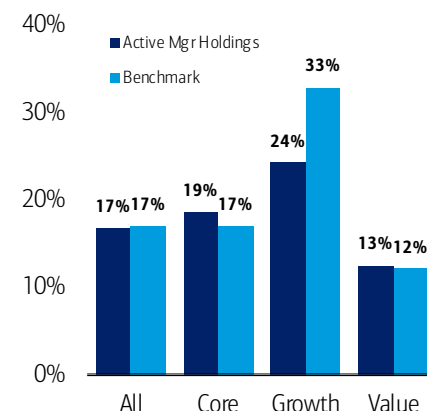


Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

BofA GLOBAL RESEARCH

Exhibit 34: Growth managers are underweight quality

1-yr ROE exposure by manager style as of Sep. 2023

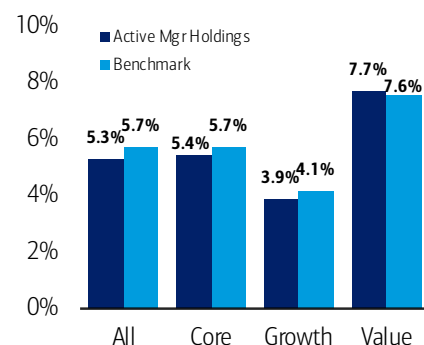


Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

BofA GLOBAL RESEARCH

Exhibit 35: Growth and Core managers are underweight Fwd PE

Forward Earnings Yield exposure by manager style as of Sep. 2023

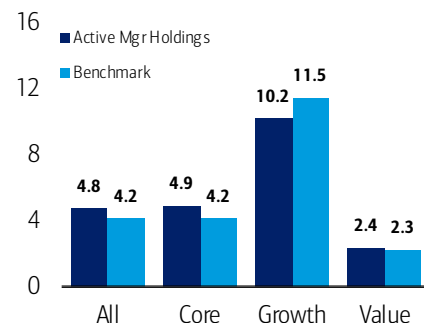


Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

BofA GLOBAL RESEARCH

Exhibit 36: Core managers hold more expensive stocks on Price/Book than their benchmark

Price to Book Value exposure by manager style as of Sep. 2023

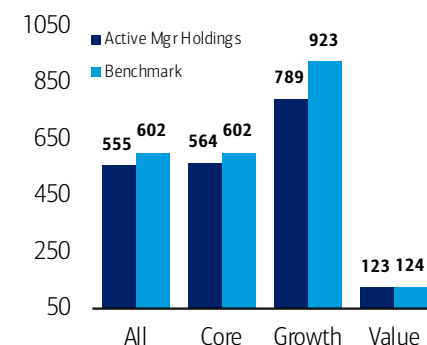


Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

BofA GLOBAL RESEARCH

Exhibit 37: Managers have a smaller average market cap than their benchmarks

Market Cap exposure by manager style as of Sep. 2023



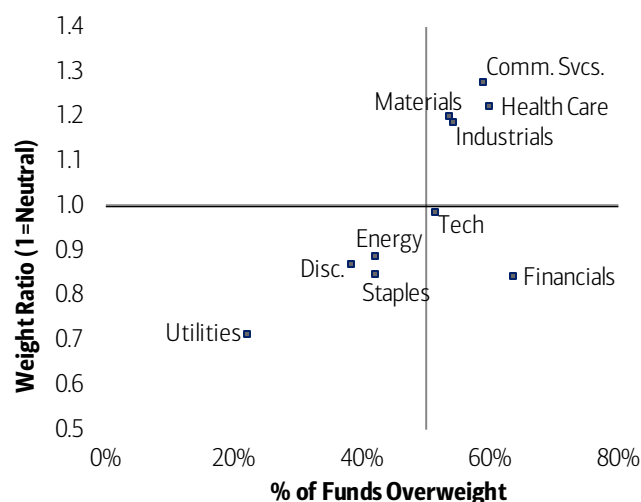
Source: BofA US Equity & US Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for All and Core funds.

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Core Managers

Exhibit 38: Core managers are most overweight Comm. Services, most underweight Utilities

Core managers' sector positioning, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 39: Core managers increased exposure to Utilities and decreased exposure to Real Estate last month

Core managers' relative weight change vs. one month ago by sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 40: Eli Lilly and Company (LLY) is the most crowded

Most crowded stocks by Core managers, Sep. 2023

Ticker	Company Name	Industry	Rel Wt to S&P 500	% of Funds Owning
LLY	Eli Lilly and Company	Pharmaceuticals	2.43	54%
META	Meta Platforms Inc.	Interactive Media & Svcs.	2.33	52%
UNH	UnitedHealth Group	Health Care Providers & Svcs.	1.93	72%
AMAT	Applied Materials, Inc.	Semis & Semi Equip.	2.05	45%
ACN	Accenture Plc Class A	IT Services	1.74	58%
VRTX	Vertex Pharmaceuticals	Biotechnology	2.44	35%
TXN	Texas Instruments	Semis & Semi Equip.	1.98	42%
AVGO	Broadcom Inc.	Semis & Semi Equip.	2.14	34%
KLAC	KLA Corporation	Semis & Semi Equip.	3.37	28%
V	Visa Inc. Class A	Financial Services	1.40	78%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

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Exhibit 41: Regency Centers Corporation (REG) is the least crowded

Least crowded stocks by Core managers, Sep. 2023

Ticker	Company Name	Industry	Rel Wt to S&P 500	% of Funds Owning
REG	Regency Centers Corporation	Retail REITs	0.00	3%
NWS	News Corporation Class B	Media	0.00	3%
INVH	Invitation Homes, Inc.	Residential REITs	0.01	3%
FRT	Federal Realty Investment Trust	Retail REITs	0.01	3%
CPT	Camden Property Trust	Residential REITs	0.01	3%
LNT	Alliant Energy Corp	Electric Utilities	0.01	4%
AMCR	Amcor PLC	Containers & Packaging	0.01	4%
DXC	DXC Technology Co.	IT Services	0.01	4%
BEN	Franklin Resources, Inc.	Capital Markets	0.01	4%
SJM	J.M. Smucker Company	Food Products	0.01	4%

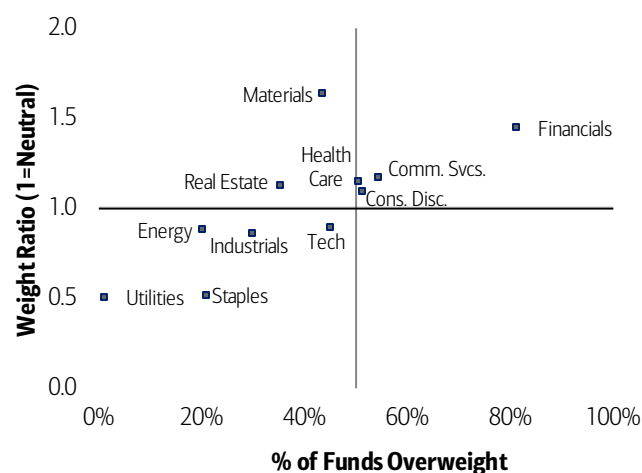
Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Growth Managers

Exhibit 42: Growth funds are most overweight Materials, most underweight Utilities and Staples

Growth managers' sector positioning vs. Russell 1000 Growth Index, Sep. 2023

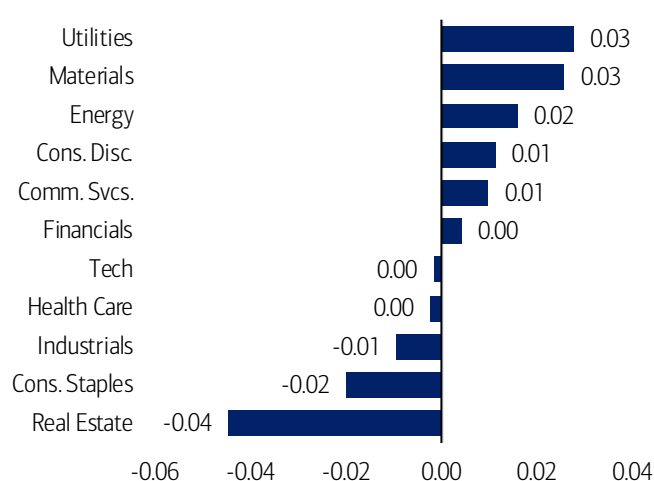


Source: BofA US Equity & Quant. Strategy, FactSet Ownership.

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Exhibit 43: Growth managers increased exposure to Utilities and decreased exposure to Real Estate last month

Growth managers' relative weight change vs. one month ago by sector, Sep. 2023



Source: BofA US Equity & Quant. Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 44: S&P Global, Inc. (SPGI) is the most crowded

Most crowded stocks by Growth managers relative to Russell 1000 Growth, Sep. 2023

Ticker	Company Name	Industry	Rel Wt to R1G	% of Funds Owning
SPGI	S&P Global, Inc.	Capital Markets	12.46	47%
REGN	Regeneron Pharma	Biotechnology	27.59	24%
TDG	TransDigm Group	Aerospace & Defense	15.52	24%
MSCI	MSCI Inc. Class A	Capital Markets	4.54	34%
LULU	Lululemon Athletica	Textiles Apparel & Luxury	3.11	48%
EL	Estee Lauder	Personal Care Products	5.02	30%
CMG	Chipotle Mexican Grill	Hotels Restaurants & Leisure	3.13	43%
LIN	Linde plc	Chemicals	6.08	27%
NOW	ServiceNow, Inc.	Software	2.22	65%
ISRG	Intuitive Surgical, Inc.	Health Care Equip. & Supplies	2.08	64%

Source: BofA US Equity & Quant. Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 45: XP Inc. (XP) is the least crowded

Least crowded stocks by Growth managers relative to Russell 1000 Growth, Sep. 2023

Ticker	Company Name	Industry	Rel Wt to R1G	% of Funds Owning
XP	XP Inc. Class A	Capital Markets	0.00	1%
EHC	Encompass Health Corp.	Health Care Providers & Svcs.	0.00	1%
INFA	Informatica, Inc.	Software	0.00	1%
UHAL	U-Haul Holding Co.	Ground Transportation	0.01	1%
AMBP	Ardagh Metal Packaging	Containers & Packaging	0.00	1%
ROIV	Roivant Sciences Ltd.	Biotechnology	0.00	1%
UI	Ubiquiti Inc.	Communications Equip.	0.00	1%
UHALB	U-Haul Holding Co.	Ground Transportation	0.00	1%
CHPT	ChargePoint Holdings	Electrical Equipment	0.00	1%
OVV	Ovintiv Inc	Oil Gas & Consumable Fuels	0.00	1%

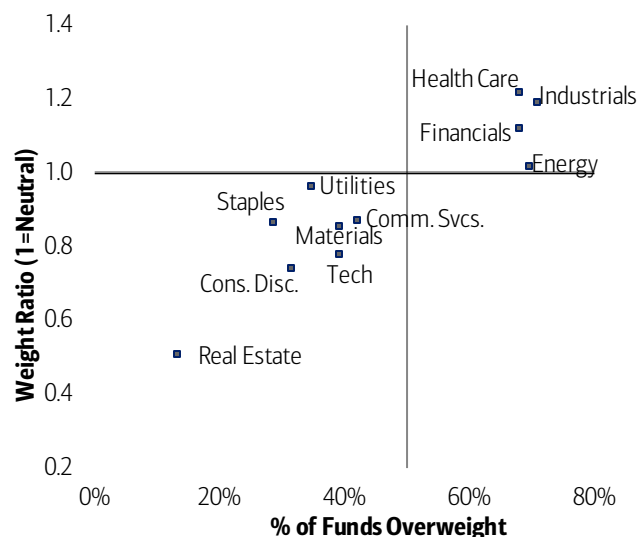
Source: BofA US Equity & Quant. Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Value Managers

Exhibit 46: Value funds are most overweight Health Care, most underweight Real Estate

Value managers' sector positioning vs. Russell 1000 Value, Sep. 2023



Source: BofA US Equity & US Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 48: UnitedHealth Group Incorporated (UNH) is the most crowded

Most crowded stocks by Value managers relative to Russell 1000 Value, Sep. 2023

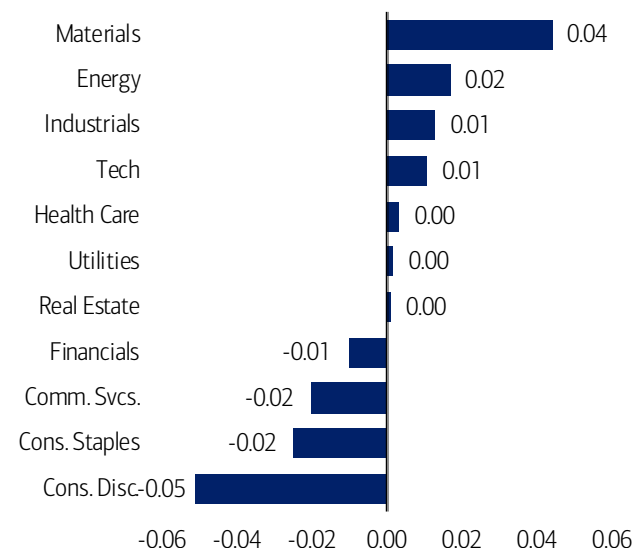
Ticker	Company Name	Industry	Rel Wt to R1V	% of Funds Owning
UNH	UnitedHealth Group	Health Care Providers & Svcs.	5.78	47%
QCOM	QUALCOMM Inc.	Semis & Semi Equip.	5.63	41%
WFC	Wells Fargo & Co.	Banks	2.88	62%
CMCSA	Comcast Corporation	Media	2.87	62%
LRCX	Lam Research Corp.	Semis & Semi Equip.	6.07	32%
CI	Cigna Group	Health Care Providers & Svcs.	3.40	45%
MMC	Marsh & McLennan	Insurance	16.25	29%
AMAT	Applied Materials, Inc.	Semis & Semi Equip.	5.39	32%
FDX	FedEx Corporation	Air Freight & Logistics	3.07	42%
RTX	RTX Corp.	Aerospace & Defense	2.34	56%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

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Exhibit 47: Value managers increased exposure to Materials and decreased exposure to Discretionary last month

Value managers' relative weight change vs. one month ago by sector, Sep. 2023



Source: BofA US Equity & US Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 49: TransDigm Group Incorporated (TDG) is the least crowded

10 stocks with largest weight in Russell 1000 Value but not owned by Value funds, Sep. 2023

Ticker	Company Name	Industry	Rel Wt to R1V	% of Funds Owning
TDG	TransDigm Group Inc.	Aerospace & Defense	0.00	0%
O	Realty Income Corporation	Retail REITs	0.00	0%
VRSN	VeriSign, Inc.	IT Services	0.00	0%
CBOE	Cboe Global Markets Inc.	Capital Markets	0.00	0%
CSGP	CoStar Group, Inc.	Real Estate Mgmt. & Dev.	0.00	0%
FSLR	First Solar, Inc.	Semis & Semi Equip.	0.00	0%
ICLR	ICON Plc	Life Sci Tools & Svcs.	0.00	0%
ZM	Zoom Video Comm.	Software	0.00	0%
MAA	Mid-America Apartment	Residential REITs	0.00	0%
ESS	Essex Property Trust, Inc.	Residential REITs	0.00	0%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by highest weight in Russell 1000 Value. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

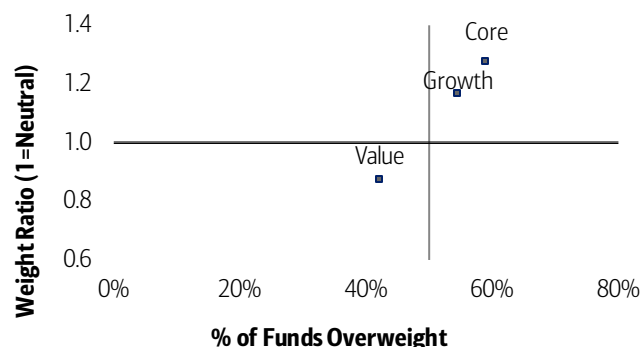
BofA GLOBAL RESEARCH

Sectors

Communication Services

Exhibit 50: Core managers are 27% overweight Communication Services

Fund Managers' positioning in Communication Services sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 51: Meta Platforms Inc. (META) is the most crowded

Most crowded stocks in Communication Services, Sep. 2023

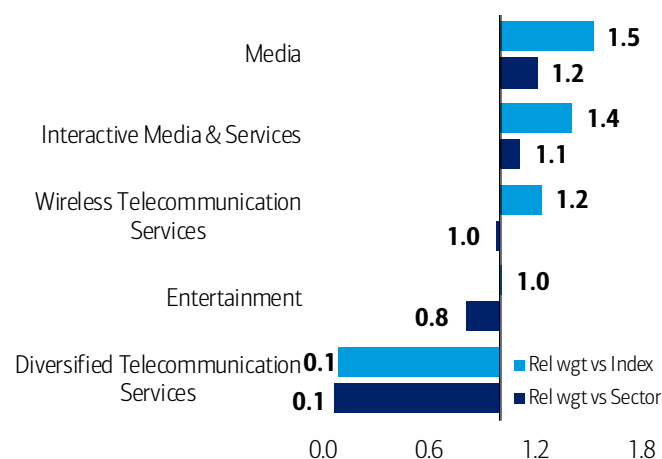
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
META	Meta Platforms Inc. Class A	Interactive Media & Svcs.	1.82	60%
NFLX	Netflix, Inc.	Entertainment	1.77	39%
CHTR	Charter Communications, Inc.	Media	2.20	14%
GOOG	Alphabet Inc. Class C	Interactive Media & Svcs.	1.28	53%
CMCSA	Comcast Corporation Class A	Media	1.61	27%
GOOGL	Alphabet Inc. Class A	Interactive Media & Svcs.	1.17	68%
TMUS	T-Mobile US, Inc.	Wireless Telecomm. Svcs.	1.23	22%
FOXA	Fox Corporation Class A	Media	2.20	5%
TTWO	Take-Two Interactive	Entertainment	1.29	8%
DIS	Walt Disney Company	Entertainment	0.31	31%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

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Exhibit 52: Fund managers are most overweight Media

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 53: News Corporation Class B (NWS) is the least crowded

Least crowded stocks in Communication Services, Sep. 2023

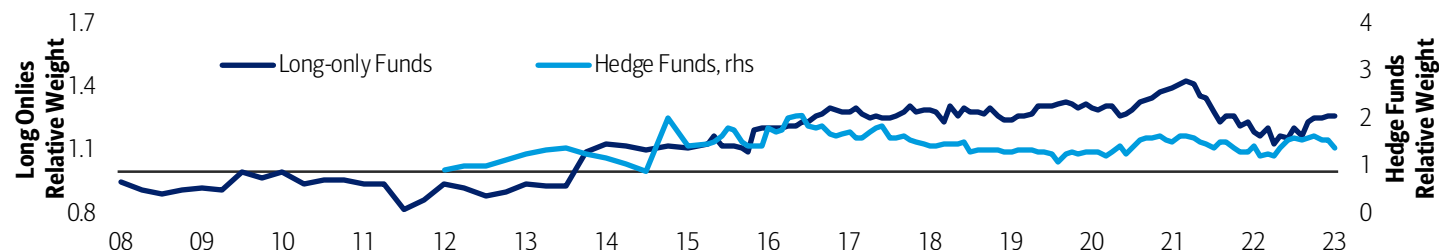
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
NWS	News Corporation Class B	Media	0.01	2%
OMC	Omnicom Group Inc	Media	0.16	4%
WBD	Warner Bros. Discovery, Inc.	Entertainment	0.19	6%
PARA	Paramount Global Class B	Media	0.57	4%
T	AT&T Inc.	Diversified Telecomm. Svcs.	0.04	9%
NWSA	News Corporation Class A	Media	0.71	3%
IPG	Interpublic Group of Cos.	Media	0.32	6%
FOX	Fox Corporation Class B	Media	1.19	2%
LYV	Live Nation Entertainment	Entertainment	0.47	7%
VZ	Verizon Communications Inc.	Diversified Telecomm. Svcs.	0.11	15%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 54: LOs increased exposure to Comm. Svcs. after strong YTD performance

Funds' relative weight in Communication Services vs. S&P 500 index over time (as of Sep. 2023)



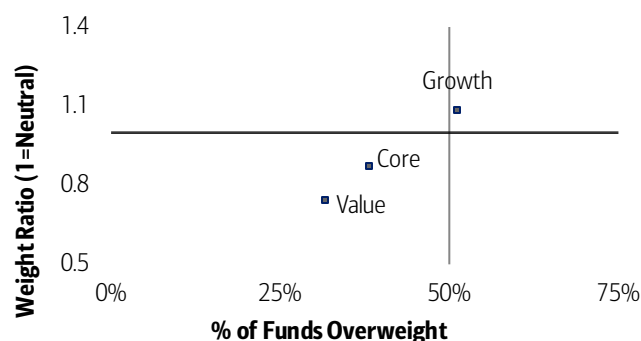
Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Consumer Discretionary

Exhibit 55: Value and Core managers are underweight Consumer Discretionary

Fund Managers' positioning in Consumer Discretionary sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 56: Chipotle Mexican Grill, Inc. (CMG) is the most crowded

Most crowded stocks in Consumer Discretionary, Sep. 2023

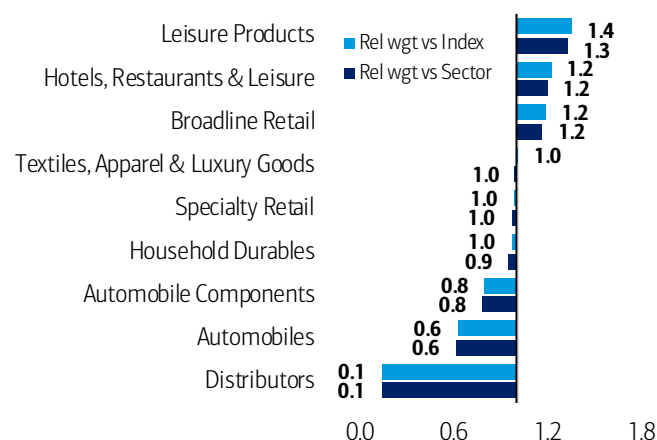
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
CMG	Chipotle Mexican Grill, Inc.	Hotels Restaurants & Leisure	2.57	27%
ABNB	Airbnb, Inc. Class A	Hotels Restaurants & Leisure	2.33	19%
TJX	TJX Companies Inc	Specialty Retail	1.33	38%
AMZN	Amazon.com, Inc.	Broadline Retail	1.21	74%
HLT	Hilton Worldwide Holding	Hotels Restaurants & Leisure	1.87	18%
ORLY	O'Reilly Automotive, Inc.	Specialty Retail	1.43	24%
BKNG	Booking Holdings Inc.	Hotels Restaurants & Leisure	1.27	29%
NKE	NIKE, Inc. Class B	Textiles Apparel & Luxury	1.08	43%
ROST	Ross Stores, Inc.	Specialty Retail	1.65	16%
MAR	Marriott International, Inc.	Hotels Restaurants & Leisure	1.39	22%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

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Exhibit 57: Fund managers are most overweight Leisure Products

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 58: Carnival Corporation (CCL) is the least crowded

Least crowded stocks in Consumer Discretionary, Sep. 2023

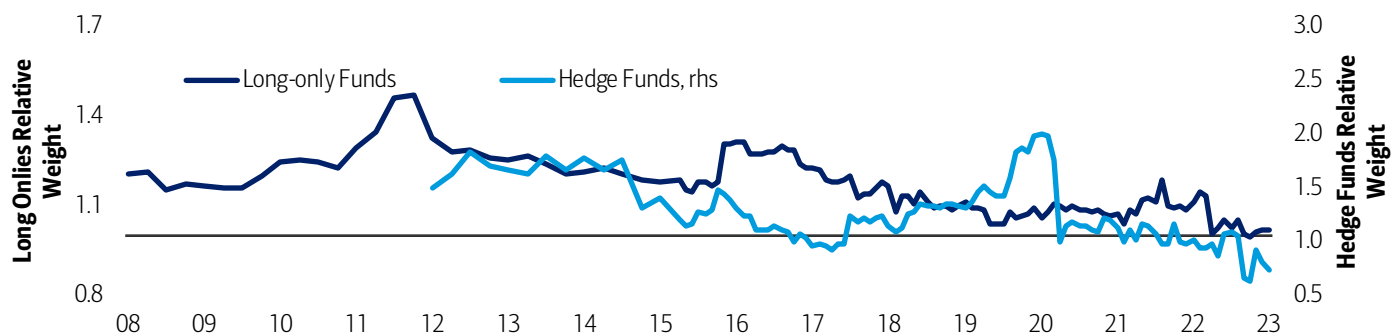
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
CCL	Carnival Corporation	Hotels Restaurants & Leisure	0.07	3%
GRMN	Garmin Ltd.	Household Durables	0.09	3%
F	Ford Motor Company	Automobiles	0.01	4%
GPC	Genuine Parts Company	Distributors	0.09	4%
POOL	Pool Corporation	Distributors	0.16	4%
LKQ	LKQ Corporation	Distributors	0.18	4%
WYNN	Wynn Resorts, Limited	Hotels Restaurants & Leisure	0.34	4%
BBWI	Bath & Body Works, Inc.	Specialty Retail	0.45	3%
RL	Ralph Lauren Corporation	Textiles Apparel & Luxury	0.38	4%
VFC	V.F. Corporation	Textiles Apparel & Luxury	0.55	4%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 59: LO and HF exposure to Discretionary is near historical lows

Funds' relative weight in Consumer Discretionary vs. S&P 500 index over time (as of Sep. 2023)

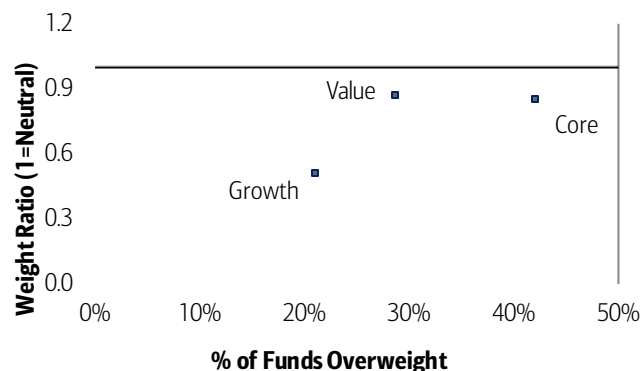


Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Consumer Staples

Exhibit 60: All styles are underweight Consumer Staples
Fund Managers' positioning in Consumer Staples sector, Sep. 2023



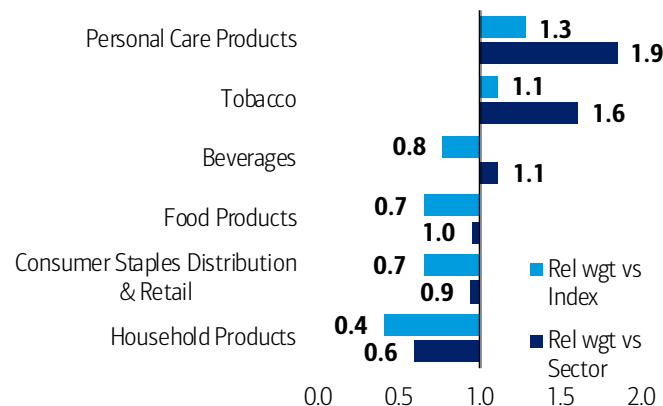
Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.
BofA GLOBAL RESEARCH

Exhibit 61: Constellation Brands, Inc. Class A (STZ) is the most crowded
Most crowded stocks in Consumer Staples, Sep. 2023

Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
STZ	Constellation Brands, Inc. Class A	Beverages	2.18	19%
EL	Estee Lauder Companies Inc.	Personal Care Products	1.64	27%
MNST	Monster Beverage Corporation	Beverages	1.78	18%
TGT	Target Corporation	Staples Dist. & Retail	1.24	19%
MDLZ	Mondelez International, Inc. Class A	Food Products	1.06	21%
KDP	Keurig Dr Pepper Inc.	Beverages	2.34	11%
DG	Dollar General Corporation	Staples Dist. & Retail	2.07	13%
PM	Philip Morris International Inc.	Tobacco	1.37	17%
COST	Costco Wholesale Corporation	Staples Dist. & Retail	0.66	40%
DLTR	Dollar Tree, Inc.	Staples Dist. & Retail	1.81	8%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision.
BofA GLOBAL RESEARCH

Exhibit 62: Fund managers are most overweight Personal Care Products
Industry Exposure (All Styles), Sep. 2023



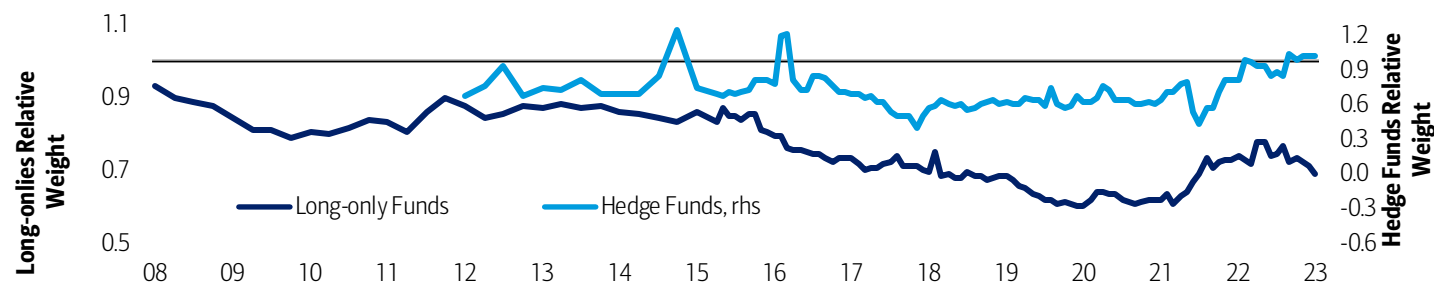
Source: BofA US Equity & Quant Strategy, FactSet Ownership
BofA GLOBAL RESEARCH

Exhibit 63: Campbell Soup Company (CPB) is the least crowded
Least crowded stocks in Consumer Staples, Sep. 2023

Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
CPB	Campbell Soup Company	Food Products	0.01	2%
SJM	J.M. Smucker Company	Food Products	0.01	2%
WBA	Walgreens Boots Alliance, Inc.	Staples Dist. & Retail	0.01	3%
K	Kellanova	Food Products	0.04	3%
BF.B	Brown-Forman Corporation Class B	Beverages	0.14	3%
CLX	Clorox Company	Household Products	0.04	5%
TSN	Tyson Foods, Inc. Class A	Food Products	0.15	5%
CAG	Conagra Brands, Inc.	Food Products	0.23	4%
LW	Lamb Weston Holdings, Inc.	Food Products	0.11	6%
BG	Bunge Limited	Food Products	0.54	3%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision.
BofA GLOBAL RESEARCH

Exhibit 64: LOs are fading exposure to Staples after increasing it last year
Funds' relative weight in Staples vs. S&P 500 index over time (as of Sep. 2023)



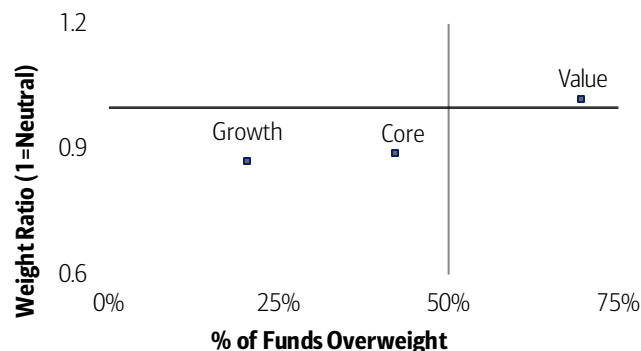
Source: BofA US Equity & US Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Energy

Exhibit 65: Growth and Core managers are underweight Energy

Fund Managers' positioning in Energy sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.
BofA GLOBAL RESEARCH

Exhibit 66: EOG Resources, Inc. (EOG) is the most crowded

Most crowded stocks in Energy, Sep. 2023

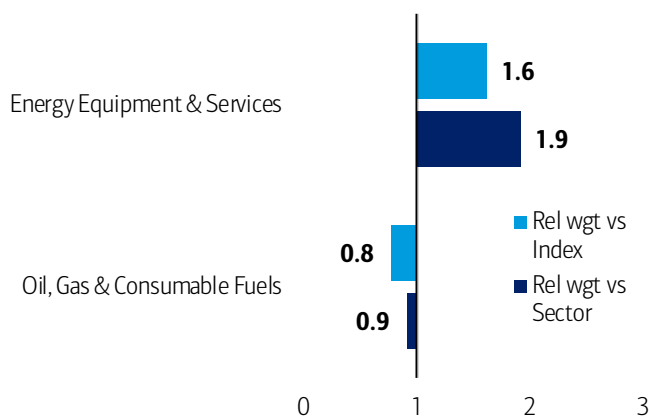
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
EOG	EOG Resources, Inc.	Oil Gas & Consumable Fuels	2.09	23%
COP	ConocoPhillips	Oil Gas & Consumable Fuels	1.59	26%
BKR	Baker Hughes Company	Energy Equipment & Svcs.	2.59	11%
HES	Hess Corporation	Oil Gas & Consumable Fuels	1.86	16%
SLB	Schlumberger N.V.	Energy Equipment & Svcs.	1.09	25%
OXY	Occidental Petroleum Corp.	Oil Gas & Consumable Fuels	2.01	9%
CVX	Chevron Corporation	Oil Gas & Consumable Fuels	0.53	27%
XOM	Exxon Mobil Corporation	Oil Gas & Consumable Fuels	0.52	30%
HAL	Halliburton Company	Energy Equipment & Svcs.	1.89	8%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 67: Fund managers are overweight Energy Equipment & Services

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 68: Targa Resources Corp. (TRGP) is the least crowded

Least crowded stocks in Energy, Sep. 2023

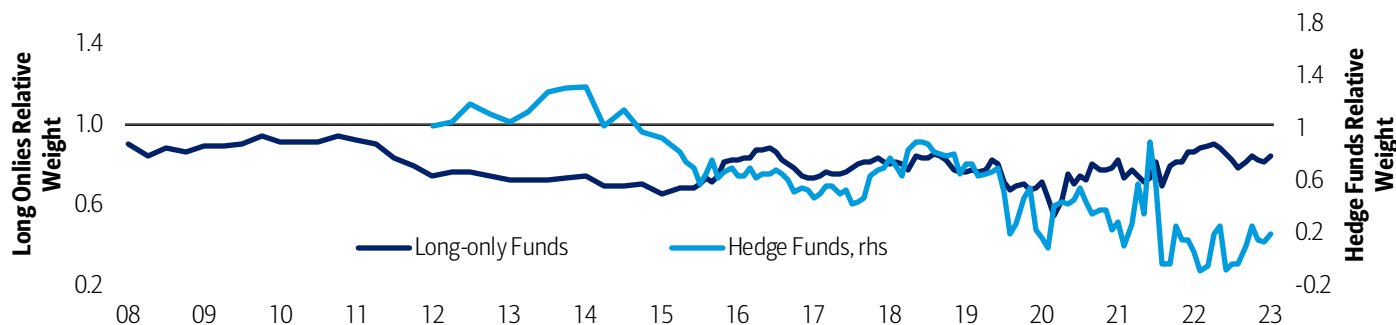
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
TRGP	Targa Resources Corp.	Oil Gas & Consumable Fuels	0.03	4%
OKE	ONEOK, Inc.	Oil Gas & Consumable Fuels	0.01	5%
KMI	Kinder Morgan Inc. Class P	Oil Gas & Consumable Fuels	0.13	3%
CTRA	Coterra Energy Inc.	Oil Gas & Consumable Fuels	0.25	3%
DVN	Devon Energy Corporation	Oil Gas & Consumable Fuels	0.07	6%
PSX	Phillips 66	Oil Gas & Consumable Fuels	0.16	8%
MRO	Marathon Oil Corporation	Oil Gas & Consumable Fuels	0.44	5%
MPC	Marathon Petroleum Corp.	Oil Gas & Consumable Fuels	0.13	9%
WMB	Williams Companies, Inc.	Oil Gas & Consumable Fuels	0.55	5%
APA	APA Corporation	Oil Gas & Consumable Fuels	0.66	5%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 69: Both LO and HF exposure to Energy ticked up last month

Funds' relative weight in Energy vs. S&P 500 index over time (as of Sep. 2023)



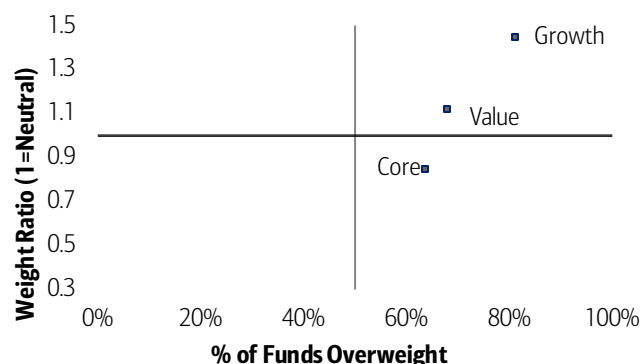
Source: BofA US Equity & US Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Financials

Exhibit 70: Growth managers are 44% overweight Financials

Fund Managers' positioning in Financials sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 71: Marsh & McLennan Companies, Inc. (MMC) is the most crowded

Most crowded stocks in Financials, Sep. 2023

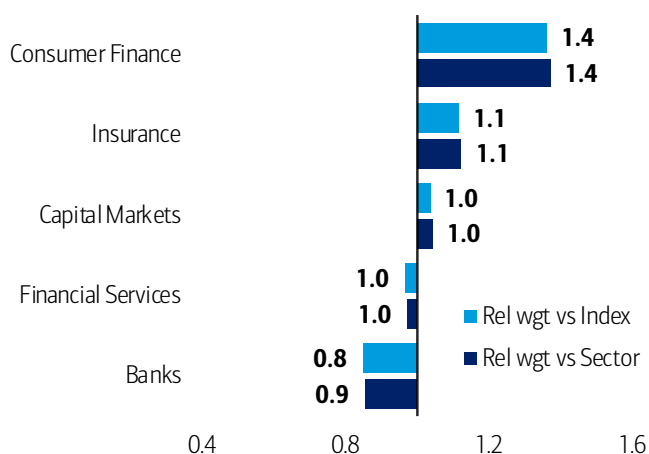
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
MMC	Marsh & McLennan Companies, Inc.	Insurance	2.32	26%
MA	Mastercard Incorporated Class A	Financial Services	1.72	56%
V	Visa Inc. Class A	Financial Services	1.66	72%
WFC	Wells Fargo & Company	Banks	1.71	26%
FI	Fiserv, Inc.	Financial Services	1.85	23%
SCHW	Charles Schwab Corp	Capital Markets	1.36	28%
MSCI	MSCI Inc. Class A	Capital Markets	1.79	20%
CB	Chubb Limited	Insurance	1.68	23%
PGR	Progressive Corporation	Insurance	1.49	24%
SPGI	S&P Global, Inc.	Capital Markets	1.17	34%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 72: Fund managers are most overweight Consumer Finance

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 73: Comerica Incorporated (CMA) is the least crowded

Least crowded stocks in Financials, Sep. 2023

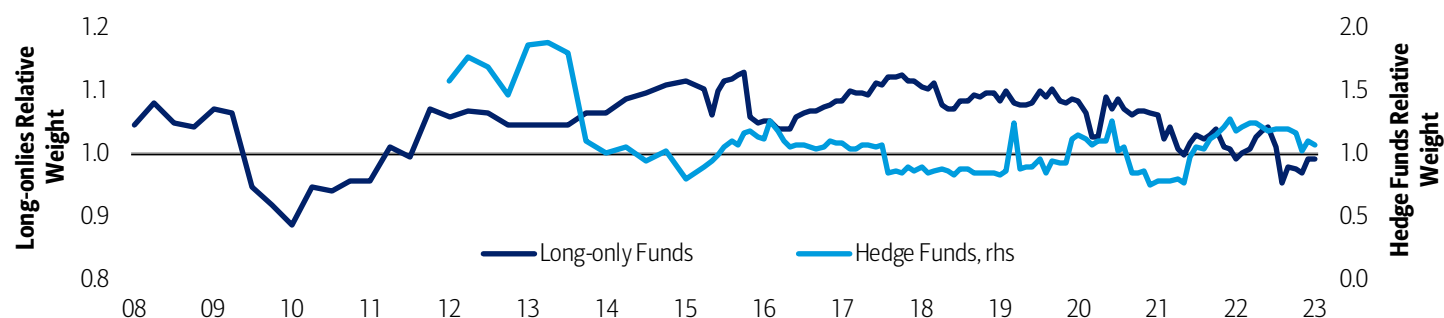
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
CMA	Comerica Incorporated	Banks	0.01	2%
WRB	W. R. Berkley Corporation	Insurance	0.01	3%
ZION	Zions Bancorporation, N.A.	Banks	0.01	3%
IVZ	Invesco Ltd.	Capital Markets	0.01	3%
BRO	Brown & Brown, Inc.	Insurance	0.08	3%
CINF	Cincinnati Financial Corporation	Insurance	0.14	2%
L	Loews Corporation	Insurance	0.10	3%
GL	Globe Life Inc.	Insurance	0.08	4%
AFL	Aflac Incorporated	Insurance	0.02	5%
EG	Everest Group, Ltd.	Insurance	0.04	5%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 74: Long only funds are still underweight Financials, but less so than in during the SVB crisis

Funds' relative weight in Financials vs. S&P 500 index over time (as of Sep. 2023)



Source: BofA US Equity & Quant Strategy, FactSet Ownership

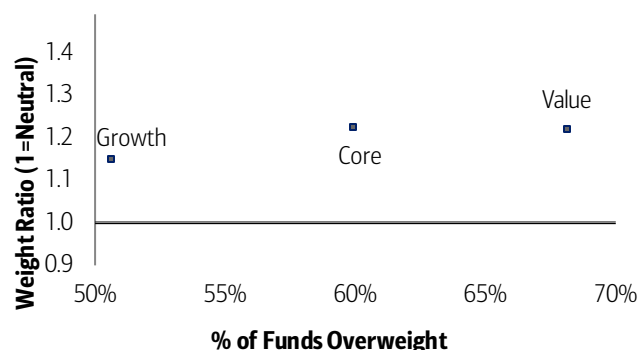
BofA GLOBAL RESEARCH



Health Care

Exhibit 75: All managers are overweight Health Care

Fund Managers' positioning in Health Care sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 76: Eli Lilly and Company (LLY) is the most crowded

Most crowded stocks in Health Care, Sep. 2023

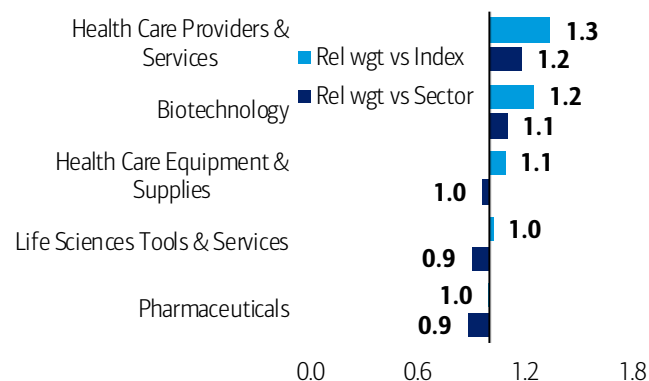
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
LLY	Eli Lilly and Company	Pharmaceuticals	1.80	54%
UNH	UnitedHealth Group	Health Care Providers & Svcs.	1.73	68%
VRTX	Vertex Pharmaceuticals	Biotechnology	2.22	34%
ZTS	Zoetis, Inc. Class A	Pharmaceuticals	1.76	35%
ISRG	Intuitive Surgical, Inc.	Health Care Equip. & Supplies	1.61	37%
DHR	Danaher Corporation	Life Sci Tools & Svcs.	1.48	44%
REGN	Regeneron Pharmaceuticals	Biotechnology	2.82	23%
BSX	Boston Scientific Corp.	Health Care Equip. & Supplies	1.49	30%
TMO	Thermo Fisher Scientific	Life Sci Tools & Svcs.	1.24	42%
CI	Cigna Group	Health Care Providers & Svcs.	1.78	22%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 77: Fund managers are most overweight Health Care Providers & Services

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 78: Bio-Rad Laboratories, Inc. (BIO) is the least crowded

Least crowded stocks in Health Care, Sep. 2023

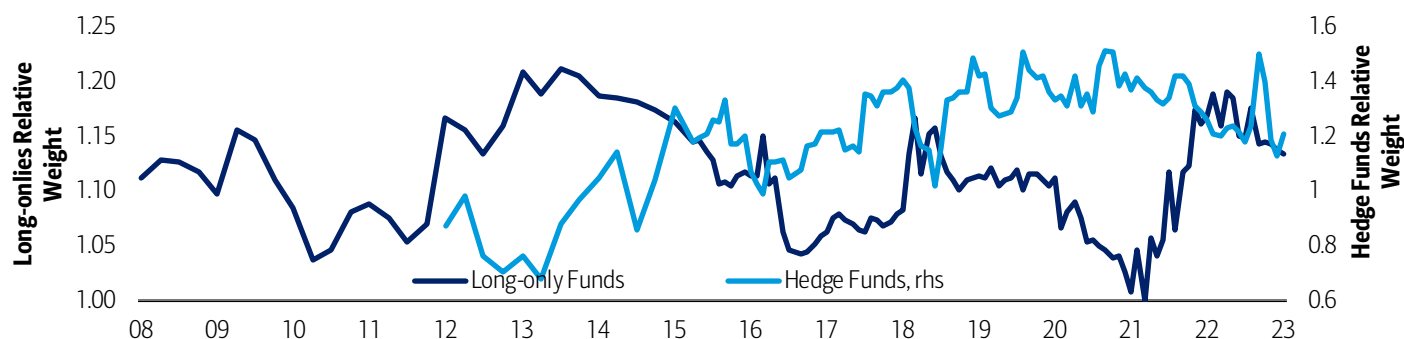
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
BIO	Bio-Rad Laboratories	Life Sci Tools & Svcs.	0.01	2%
RVTY	Rewity, Inc.	Life Sci Tools & Svcs.	0.11	2%
DVA	DaVita Inc.	Health Care Providers & Svcs.	0.08	3%
RMD	ResMed Inc.	Health Care Equip. & Supplies	0.02	4%
HSIC	Henry Schein, Inc.	Health Care Providers & Svcs.	0.23	2%
XRAY	DENTSPLY SIRONA	Health Care Equip. & Supplies	0.16	3%
TECH	Bio-Techne Corp.	Life Sci Tools & Svcs.	0.09	5%
OGN	Organon & Co.	Pharmaceuticals	0.12	4%
CRL	Charles River Laboratories	Life Sci Tools & Svcs.	0.12	4%
UHS	Universal Health Svcs.	Health Care Providers & Svcs.	0.37	3%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 79: Health Care is overweight by both LOs and HFs

Funds' relative weight in Health Care vs. S&P 500 index overtime (as of Sep. 2023)



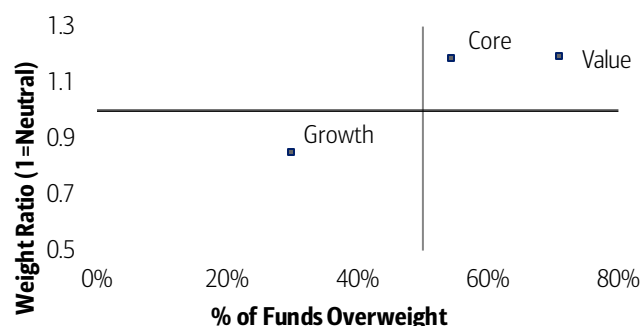
Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Industrials

Exhibit 80: Core and Value managers are ~20% overweight Industrials

Fund Managers' positioning in Industrials sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.
BofA GLOBAL RESEARCH

Exhibit 81: General Electric Company (GE) is the most crowded

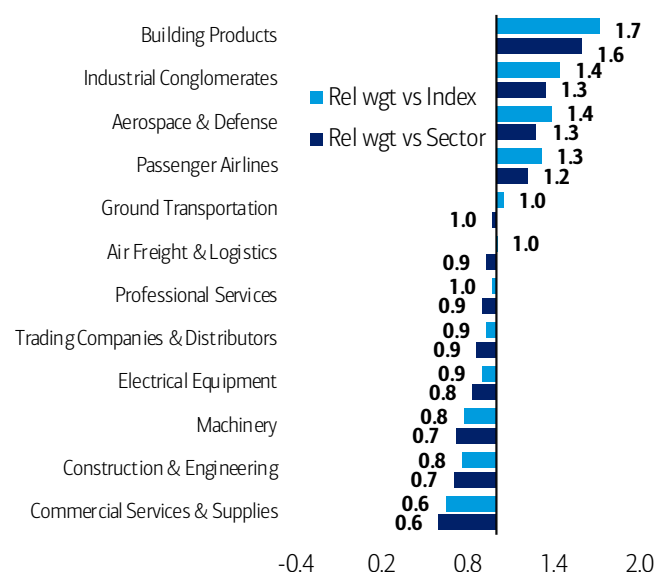
Most crowded stocks in Industrials, Sep. 2023

Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
GE	General Electric Company	Industrial Conglomerates	2.61	18%
TDG	TransDigm Group Incorporated	Aerospace & Defense	2.77	16%
RTX	RTX Corp.	Aerospace & Defense	1.59	25%
FDX	FedEx Corporation	Air Freight & Logistics	2.14	16%
NOC	Northrop Grumman Corp.	Aerospace & Defense	2.46	15%
ETN	Eaton Corp. Plc	Electrical Equipment	1.17	24%
JCI	Johnson Controls International plc	Building Products	1.96	14%
OTIS	Otis Worldwide Corporation	Machinery	1.32	18%
BA	Boeing Company	Aerospace & Defense	1.14	20%
UNP	Union Pacific Corporation	Ground Transportation	1.01	27%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision.
BofA GLOBAL RESEARCH

Exhibit 82: Fund managers are most overweight Building Products

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 83: Leidos Holdings, Inc. (LDOS) is the least crowded

Least crowded stocks in Industrials, Sep. 2023

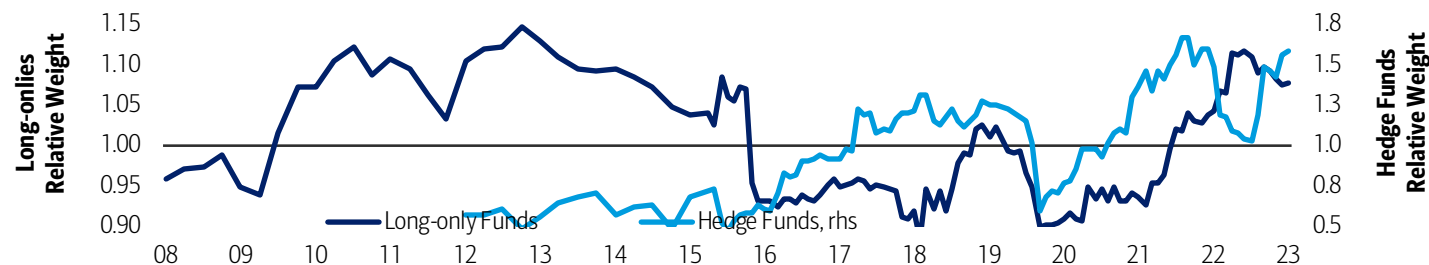
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
LDOS	Leidos Holdings, Inc.	Professional Services	0.04	2%
PNR	Pentair plc	Machinery	0.03	3%
SNA	Snap-on Incorporated	Machinery	0.03	3%
AOS	A. O. Smith Corporation	Building Products	0.05	3%
ROL	Rollins, Inc.	Comm. Svcs. & Supplies	0.03	4%
CHRW	C.H. Robinson Worldwide	Air Freight & Logistics	0.05	5%
ALLE	Allegion Public Limited Co.	Building Products	0.08	5%
J	Jacobs Solutions Inc.	Professional Services	0.56	3%
ALK	Alaska Air Group, Inc.	Passenger Airlines	0.53	4%
GNRC	Generac Holdings Inc.	Electrical Equipment	0.56	4%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision.

BofA GLOBAL RESEARCH

Exhibit 84: Exposure to Industrials is elevated vs. history

Funds' relative weight in Industrials vs. S&P 500 index over time (as of Sep. 2023)



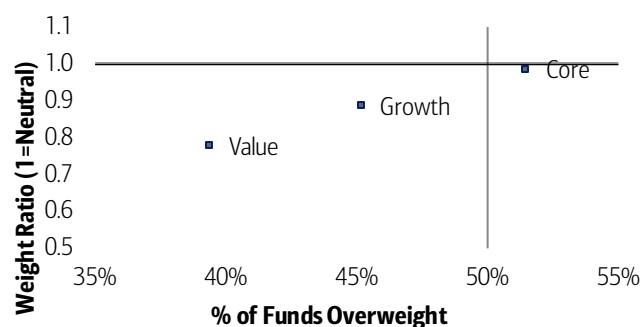
Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Information Technology

Exhibit 85: Value managers are 23% underweight Tech

Fund Managers' positioning in Technology sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 86: ServiceNow, Inc. (NOW) is the most crowded

Most crowded stocks in Information Technology, Sep. 2023

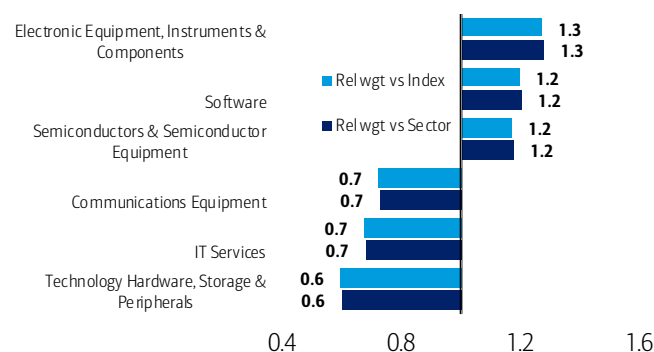
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
NOW	ServiceNow, Inc.	Software	1.77	39%
AVGO	Broadcom Inc.	Semis & Semi Equip.	1.81	37%
INTU	Intuit Inc.	Software	1.43	43%
KLAC	KLA Corporation	Semis & Semi Equip.	1.96	22%
MSFT	Microsoft Corp.	Software	1.22	91%
CRM	Salesforce, Inc.	Software	1.27	44%
ADBE	Adobe Incorporated	Software	1.25	54%
APH	Amphenol Corp.	Elect. Equip. Instr. & Components	2.53	16%
AMAT	Applied Materials, Inc.	Semis & Semi Equip.	1.43	33%
SNPS	Synopsys, Inc.	Software	1.55	22%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 87: Fund managers are most overweight Electronic Equipment, Instruments & Components

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 88: SolarEdge Technologies, Inc. (SEDG) is the least crowded

Least crowded stocks in Information Technology, Sep. 2023

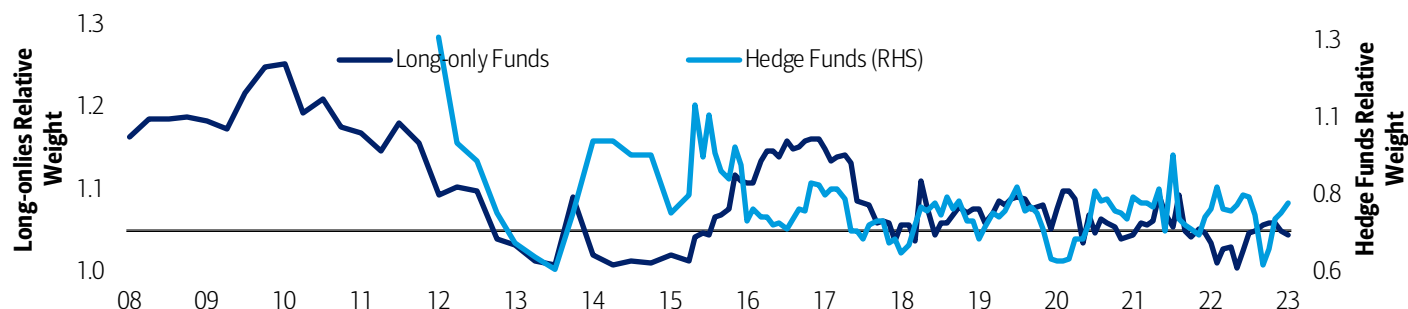
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
SEDG	SolarEdge	Semis & Semi Equip.	0.02	3%
QRVO	Qorvo, Inc.	Semis & Semi Equip.	0.08	3%
GEN	Gen Digital Inc.	Software	0.05	4%
WDC	Western Digital Corp.	Tech Hardware Storage & Periph.	0.10	3%
AKAM	Akamai Technologies	IT Services	0.20	4%
DXC	DXC Technology Co.	IT Services	0.51	2%
SWKS	Skyworks Solutions	Semis & Semi Equip.	0.09	5%
PTC	PTC Inc.	Software	0.14	5%
ENPH	Enphase Energy, Inc.	Semis & Semi Equip.	0.05	8%
TRMB	Trimble Inc.	Elect. Equip. Instr. & Components	0.35	4%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 89: LOs are marketweight Tech; HF's are still underweight

Funds' relative weight in Information Technology vs. S&P 500 index over time (as of Sep. 2023)



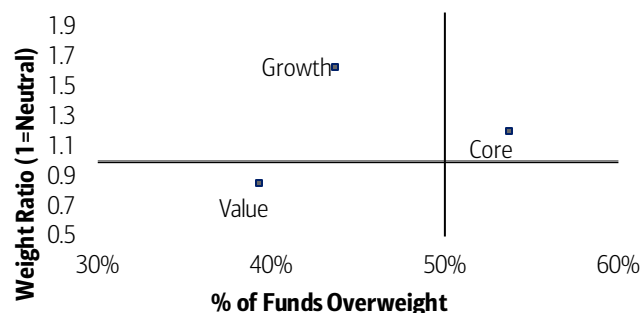
Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Materials

Exhibit 90: Growth managers are 60% overweight Materials

Fund Managers' positioning in Materials sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 91: Freeport-McMoRan, Inc. (FCX) is the most crowded

Most crowded stocks in Materials, Sep. 2023

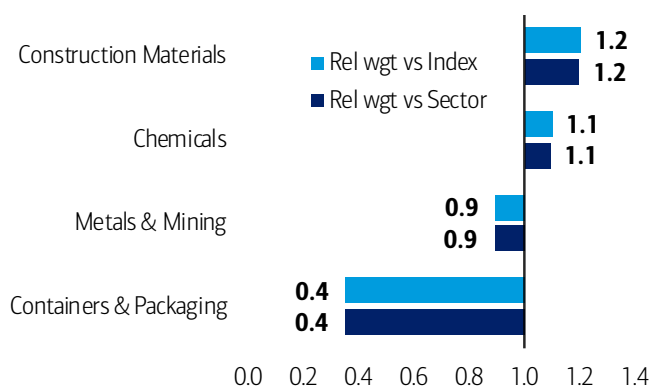
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
FCX	Freeport-McMoRan, Inc.	Metals & Mining	1.52	18%
SHW	Sherwin-Williams Company	Chemicals	1.40	30%
LIN	Linde plc	Chemicals	1.31	30%
MLM	Martin Marietta Materials, Inc.	Construction Materials	1.16	12%
CTVA	Corteva Inc	Chemicals	1.26	9%
VMC	Vulcan Materials Company	Construction Materials	1.25	11%
DD	DuPont de Nemours, Inc.	Chemicals	1.10	12%
MOS	Mosaic Company	Chemicals	2.18	6%
ECL	Ecolab Inc.	Chemicals	0.80	12%
APD	Air Products and Chemicals, Inc.	Chemicals	0.75	18%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 92: Fund managers are overweight Construction Materials

Industry Exposure (All Styles), Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 93: Amcor PLC (AMCR) is the least crowded

Least crowded stocks in Materials, Sep. 2023

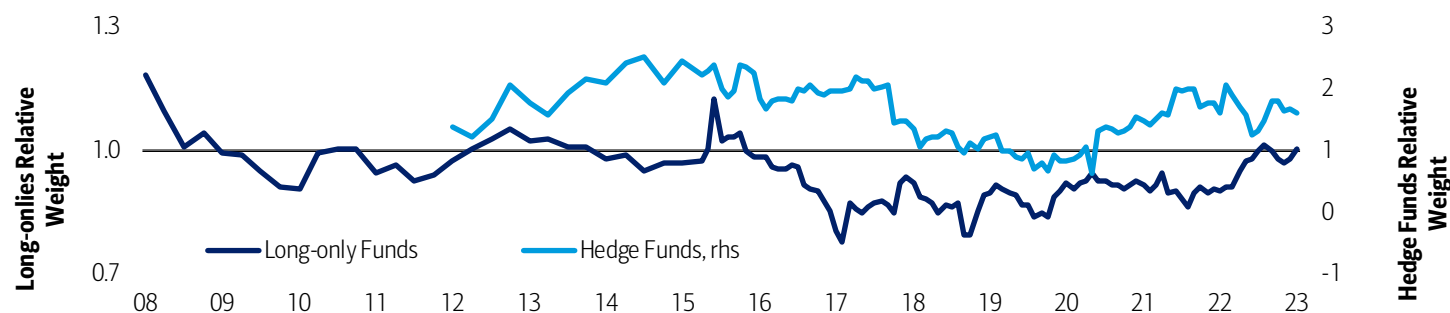
Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
AMCR	Amcor PLC	Containers & Packaging	0.00	2%
SEE	Sealed Air Corporation	Containers & Packaging	0.01	2%
WRK	WestRock Company	Containers & Packaging	0.02	2%
PKG	Packaging Corporation of America	Containers & Packaging	0.05	3%
FMC	FMC Corporation	Chemicals	0.15	5%
NEM	Newmont Corporation	Metals & Mining	0.23	6%
IP	International Paper Company	Containers & Packaging	0.31	4%
DOW	Dow, Inc.	Chemicals	0.08	7%
CF	CF Industries Holdings, Inc.	Chemicals	0.28	6%
EMN	Eastman Chemical Company	Chemicals	0.80	4%

Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH

Exhibit 94: Hedge funds are overweight Materials, long-onlies are near marketweight

Funds' relative weight in Materials vs. S&P 500 index over time (as of Sep. 2023)



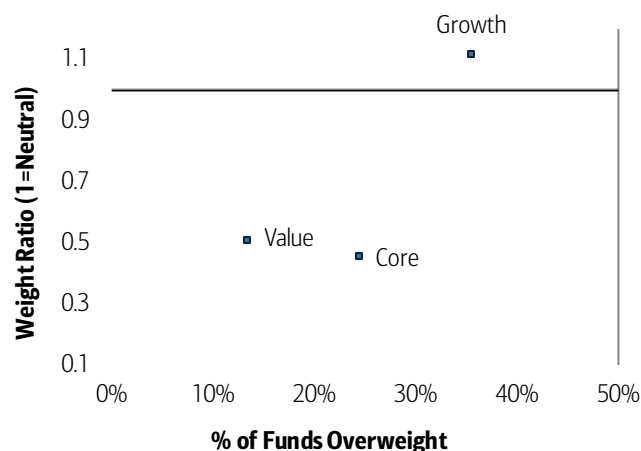
Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Real Estate

Exhibit 95: Value and Core managers are 50% underweight Real Estate

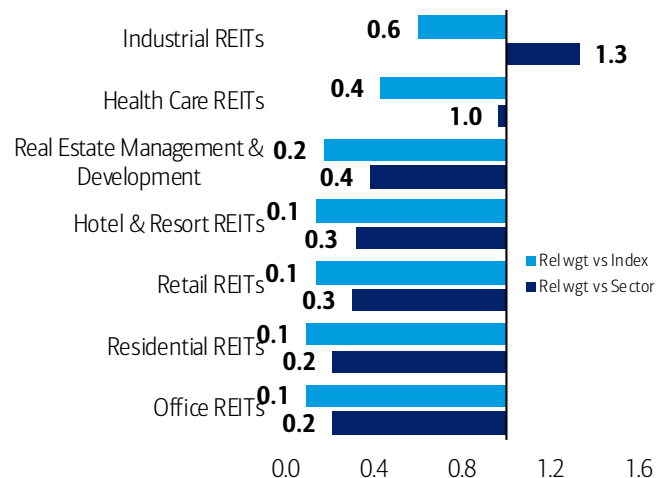
Fund Managers' positioning in Real Estate sector, Sep. 2023



Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.
BofA GLOBAL RESEARCH

Exhibit 96: Fund managers are least underweight Industrial REITs vs the index

Industry Exposure (All Styles), Sep. 2023

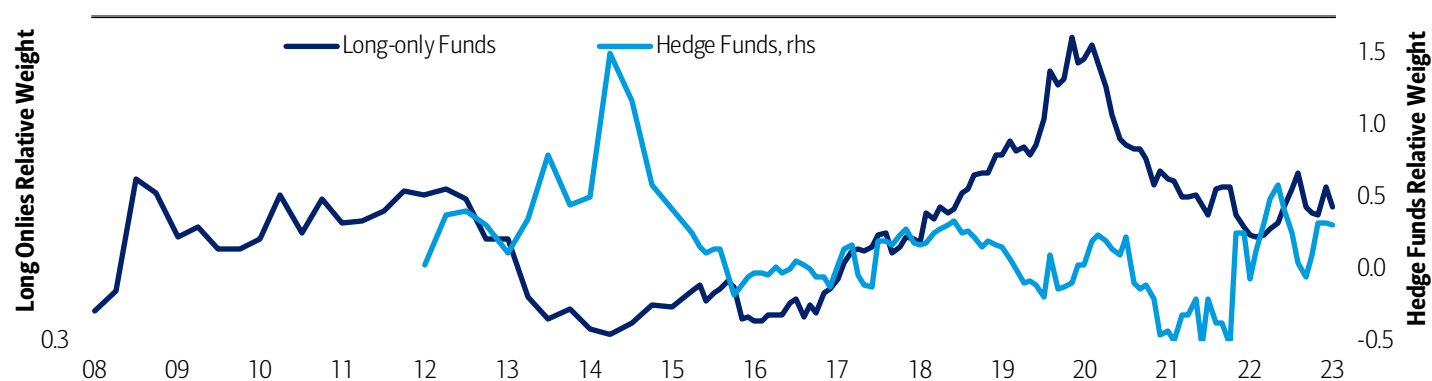


Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 97: Both LOs and HFs are deeply underweight Real Estate

Funds' relative weight in Real Estate vs. S&P 500 index over time (as of Sep. 2023)



Source: BofA US Equity & Quant Strategy, FactSet Ownership

BofA GLOBAL RESEARCH

Exhibit 98: American Tower Corporation (AMT) is the most crowded; Camden Property Trust (CPT) is the least crowded

All stocks in Real Estate, Sep. 2023

Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
AMT	American Tower Corporation	Specialized REITs	1.15	26%
PSA	Public Storage	Specialized REITs	0.77	9%
EQIX	Equinix, Inc.	Specialized REITs	0.75	18%
PLD	Prologis, Inc.	Industrial REITs	0.59	18%
SBAC	SBA Communications Corp. Class A	Specialized REITs	0.53	9%
EXR	Extra Space Storage Inc.	Specialized REITs	1.19	4%
CCI	Crown Castle Inc.	Specialized REITs	0.27	9%
VICI	VICI Properties Inc	Specialized REITs	0.38	6%
CBRE	CBRE Group, Inc. Class A	Real Estate Management & Development	0.17	6%
WY	Weyerhaeuser Company	Specialized REITs	0.16	6%
SPG	Simon Property Group, Inc.	Retail REITs	0.11	9%
KIM	Kimco Realty Corporation	Retail REITs	0.46	2%
DLR	Digital Realty Trust, Inc.	Specialized REITs	0.14	5%
EQR	Equity Residential	Residential REITs	0.34	2%
HST	Host Hotels & Resorts, Inc.	Hotel & Resort REITs	0.14	4%
AVB	AvalonBay Communities, Inc.	Residential REITs	0.11	5%
ARE	Alexandria Real Estate Equities, Inc.	Office REITs	0.08	4%
FRT	Federal Realty Investment Trust	Retail REITs	0.33	2%
REG	Regency Centers Corporation	Retail REITs	0.20	2%
VTR	Ventas, Inc.	Health Care REITs	0.06	4%
BXP	Boston Properties, Inc.	Office REITs	0.13	2%
IRM	Iron Mountain, Inc.	Specialized REITs	0.03	3%
MAA	Mid-America Apartment Communities, Inc.	Residential REITs	0.01	3%
UDR	UDR, Inc.	Residential REITs	0.03	2%
ESS	Essex Property Trust, Inc.	Residential REITs	0.02	2%
INVH	Invitation Homes, Inc.	Residential REITs	0.03	2%
O	Realty Income Corporation	Retail REITs	0.01	2%
CPT	Camden Property Trust	Residential REITs	0.00	1%

Source: BofA US Equity & Quant. Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

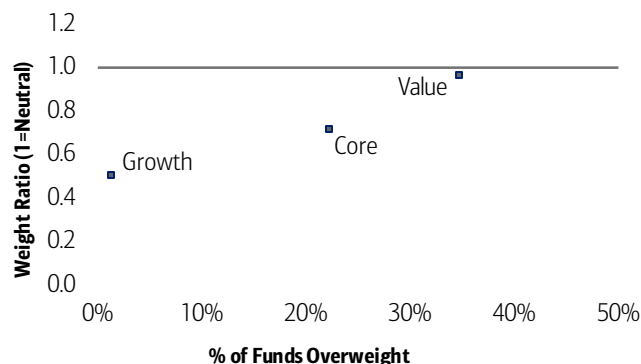
BofA GLOBAL RESEARCH



Utilities

Exhibit 99: All managers are underweight Utilities

Fund Managers' positioning in Utilities Sector, Sep. 2023

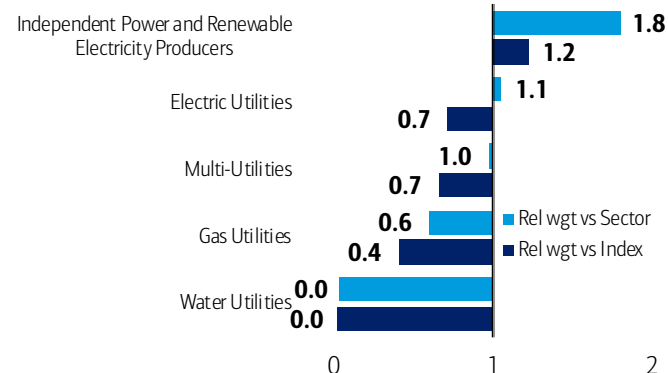


Source: BofA US Equity & Quant Strategy, FactSet Ownership. Benchmarks used: Russell 1000 Growth for Growth funds; Russell 1000 Value for Value funds; S&P 500 for Core funds.

BofA GLOBAL RESEARCH

Exhibit 100: Fund managers are most overweight Independent Power and Renewable Electricity Producers

Industry Exposure (All Styles), Sep. 2023

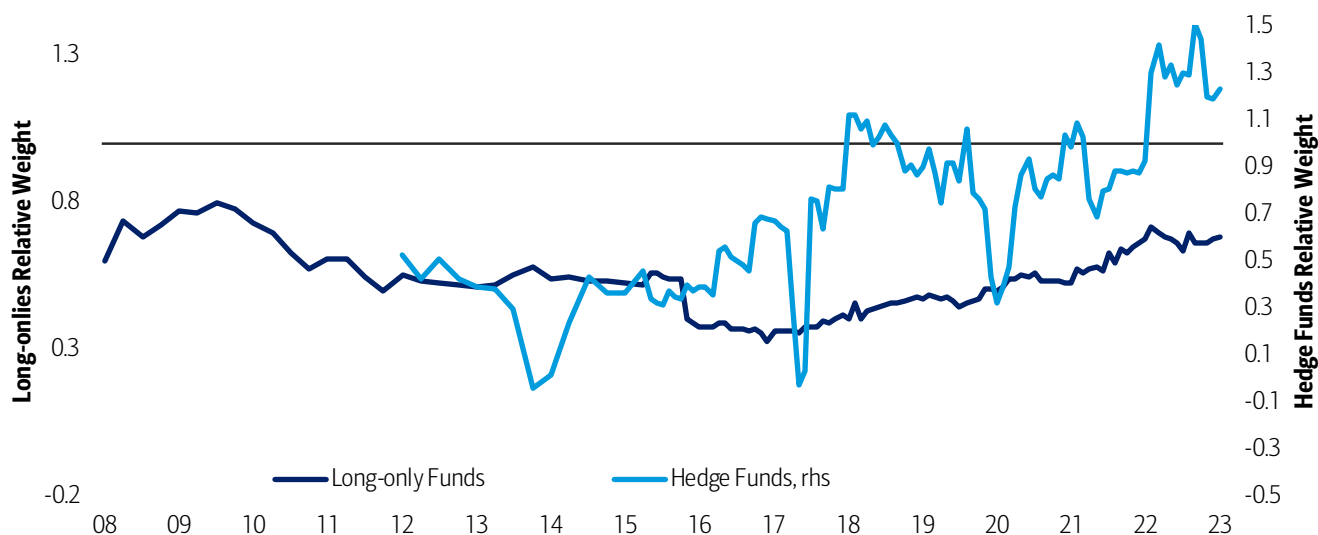


Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 101: HF's are overweight Utilities but down from peak exposure; LOs still underweight

Funds' relative weight in Utilities vs. S&P 500 index over time (as of Sep. 2023)



Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 102: Constellation Energy Corporation (CEG) is the most crowded; Alliant Energy Corp (LNT) is the least crowded, NEE is most broadly underweight

All stocks in Utilities, Sep. 2023

Ticker	Company Name	Industry	Rel Wt	% of Funds Owning
CEG	Constellation Energy Corporation	Electric Utilities	2.69	10%
PCG	PG&E Corporation	Electric Utilities	1.74	10%
SRE	Sempra	Multi-Utilities	1.14	9%
AES	AES Corporation	Independent Power and Renewable Electricity Producers	1.22	6%
ETR	Entergy Corporation	Electric Utilities	0.92	7%
D	Dominion Energy Inc	Multi-Utilities	0.78	7%
SO	Southern Company	Electric Utilities	0.53	8%
EIX	Edison International	Electric Utilities	0.98	5%
XEL	Xcel Energy Inc.	Electric Utilities	0.69	7%
NEE	NextEra Energy, Inc.	Electric Utilities	0.38	24%
EXC	Exelon Corporation	Electric Utilities	0.54	7%
AEP	American Electric Power Company, Inc.	Electric Utilities	0.49	8%
FE	FirstEnergy Corp.	Electric Utilities	0.98	4%
CMS	CMS Energy Corporation	Multi-Utilities	0.76	6%
DUK	Duke Energy Corporation	Electric Utilities	0.46	8%
CNP	CenterPoint Energy, Inc.	Multi-Utilities	1.86	4%
DTE	DTE Energy Company	Multi-Utilities	0.81	5%
AEE	Ameren Corporation	Multi-Utilities	0.54	6%
NRG	NRG Energy, Inc.	Electric Utilities	0.85	4%
PEG	Public Service Enterprise Group Inc	Multi-Utilities	0.38	4%
WEC	WEC Energy Group Inc	Multi-Utilities	0.13	4%
ES	Eversource Energy	Electric Utilities	0.07	4%
ATO	Atmos Energy Corporation	Gas Utilities	0.40	3%
AWK	American Water Works Company, Inc.	Water Utilities	0.02	5%
EVRG	Evergy, Inc.	Electric Utilities	0.30	4%
PPL	PPL Corporation	Electric Utilities	0.21	2%
NI	NiSource Inc	Multi-Utilities	0.04	3%
PNW	Pinnacle West Capital Corporation	Electric Utilities	0.05	3%
ED	Consolidated Edison, Inc.	Multi-Utilities	0.02	3%
LNT	Alliant Energy Corp	Electric Utilities	0.00	1%

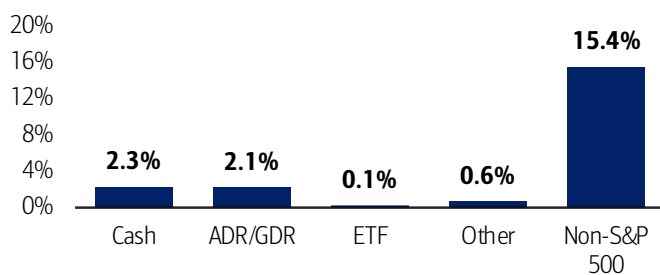
Source: BofA US Equity & Quant Strategy, FactSet Ownership. Sorted by an average rank score of relative weight and % of funds owning. This screen is not a recommended list either individually or as a of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision

BofA GLOBAL RESEARCH



Asset allocations

Exhibit 103: Large cap managers held 2.3% in cash as of September
Weights in other asset classes for all large cap managers, Sep. 2023

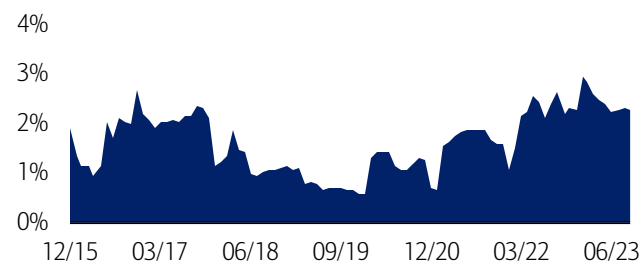


Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Exhibit 104: Large cap active managers decreased cash allocation from Feb peak, but still elevated

Large cap funds' cash level as a % of their AUM (2015 to present)



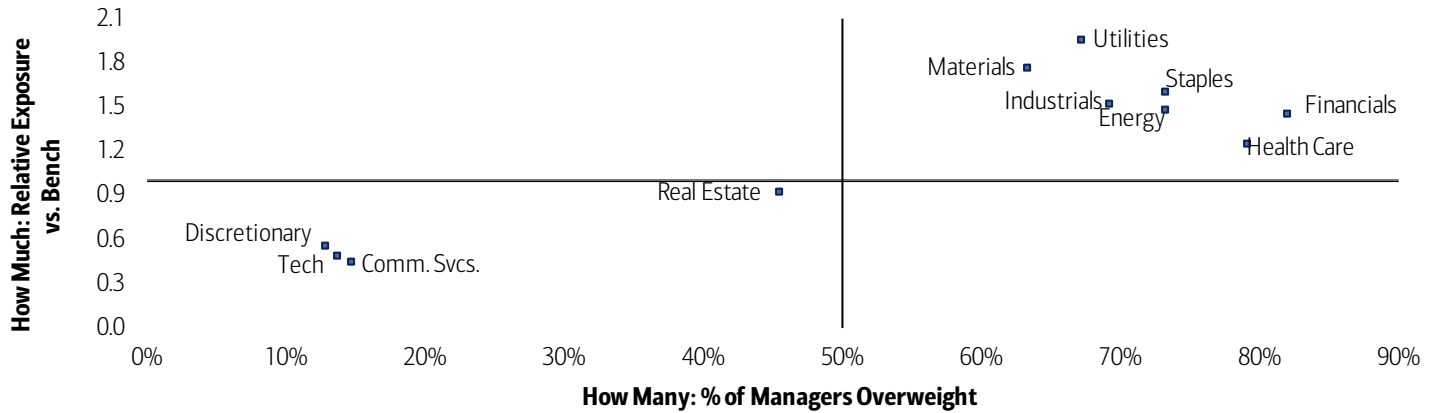
Source BofA US Equity & Quant Strategy, FactSet Ownership

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Income fund positioning

Exhibit 105: Income fund managers are most overweight Utilities

Income fund sector positioning as of Sep. 2023

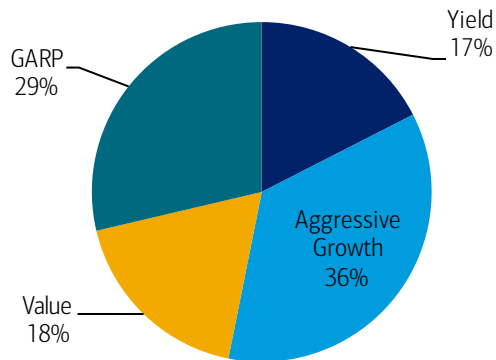


Source: FactSet Ownership, BofA US Equity & Quant Strategy

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Exhibit 106: Income funds have grown from less than 20% of active AUM in 2010...

Active equity AUM landscape by fund category – Aug 2010

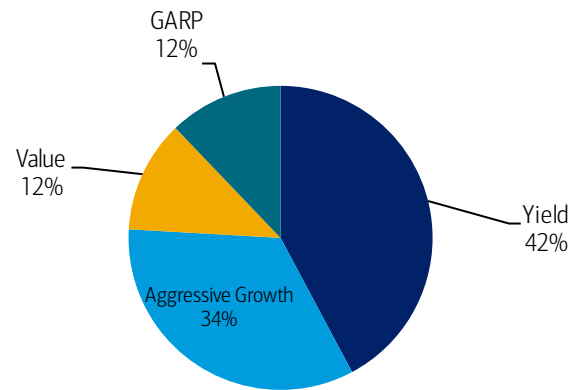


Source: BofA US Equity & US Quant Strategy, FactSet Ownership

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Exhibit 107: ...to over 40% of active funds today

Active equity AUM landscape by fund category – present



Source: BofA US Equity & US Quant Strategy, FactSet Ownership

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Commitment of Traders positioning

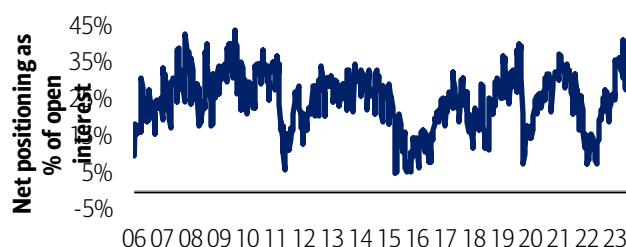
Based on the Commitments of Traders (COT) data published by the Commodity Futures Trading Commission (CFTC), we track asset managers' and leveraged funds' net positions futures normalized by total open interest. The trader categories are:

Asset Manager/Institutional. institutional investors, including pensions, endowments, insurance co's, mutual funds and PMs with clients are predominantly institutional.

Leveraged Funds. These are typically hedge funds and various types of money managers, including registered commodity trading advisors (CTAs); registered commodity pool operators (CPOs) or funds not registered. Strategies may involve taking outright positions or arbitrage within and across markets. Traders may be engaged in managing / conducting proprietary trading or trading on behalf of speculative clients.

Exhibit 108: Asset managers' net positions in the S&P 500 e-mini futures as % of total open interest

Period between (6/2006-10/31/2023)

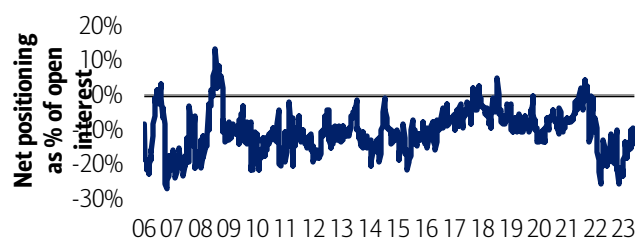


Source: BofA US Equity & Quant Strategy, Bloomberg

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Exhibit 109: Leveraged funds' net positions in the S&P 500 e-mini futures as % of total open interest

Periods between (6/2006-10/31/2023)

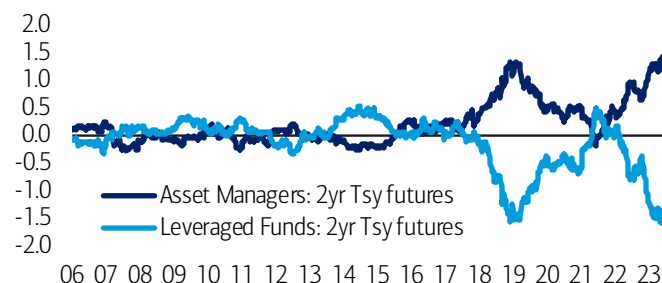


Source: BofA US Equity & Quant Strategy, Bloomberg

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Exhibit 110 Asset managers are record net long 2yr Tsy futures

Periods between (6/2006-10/31/2023)

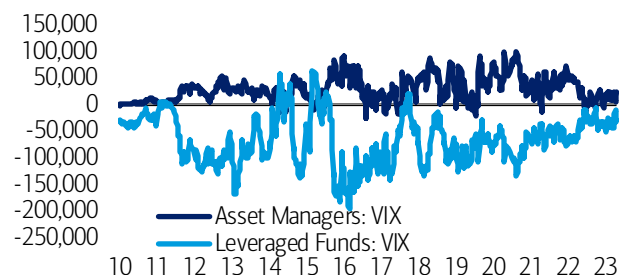


Source: BofA US Equity & Quant Strategy, Bloomberg

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Exhibit 111: Asset managers and leveraged funds neutral VIX

Periods between (7/2010-10/31/2023)

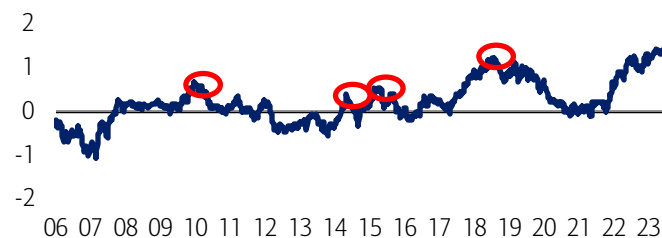


Source: BofA US Equity & Quant Strategy, Bloomberg

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Exhibit 112: Asset managers net total 10yr Tsy futures contract positioning

Periods between (6/2006-10/31/2023)



Source: BofA US Equity & Quant Strategy, Bloomberg

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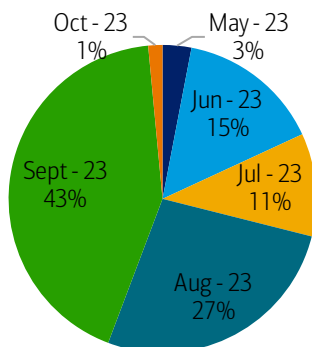
Asset managers Commitments of Traders (COT) in 10-yr US Treasury bonds are near record highs. In three of the four previous instances of elevated COT data, yields rose over the next four weeks by 7bp on avg.

Methodology

Long Only Fund Positioning Methodology

Each month, we analyze the holdings of US Large Cap Equity Mutual funds that are actively managed and create a bottom-up composite to assess fund managers' exposure to U.S. equities.

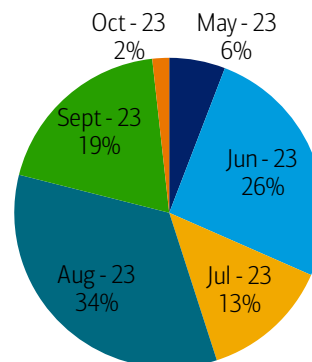
Exhibit 113: ~80% of AUM we track has been reported since July
% of AUM that has been reported



Source: FactSet, BofA US Equity & Quant Strategy

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Exhibit 114: ~70% of funds we track have reported since July
% of funds that have reported



Source: FactSet, BofA US Equity & Quant Strategy

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Except as noted below, information and analysis contained in this report are based on the most current fund managers' equity holdings from the FactSet Ownership Database. To provide a more recent snapshot of the value of fund managers' equity holdings, we have marked-to-market the composite as of October 19, 2023. This report does not reflect any changes, other than re-pricing, in portfolio holdings after the filing dates. We exclude ADRs and other stocks not found in the S&P 500 and Russell 1000 current constituents from our stock screens.

Our active manager universe is defined by using Lipper's size and style definitions. Using Lipper's definitions we segmented a list of U.S. Large cap active fund managers into three Separate categories Core, Growth and Value. From these lists, the equity holdings were then aggregated from each fund to build our Active Fund Manager Composites. We look at only U.S. actively managed long only funds based on their primary share class. The active manager universe is updated on a monthly basis going forward. Currently we track ~340 large cap funds with AUM of ~\$2tn S&P 500 holdings.

To evaluate active managers' sector positioning, we use the S&P 500, Russell 1000 Growth and Russell 1000 Value indices, as of September 30, 2023 as benchmarks. Some screens in the report compare current exposures of our fund snapshot to a past period.

Exhibit 115: Large Cap Active Fund Characteristics by Style
As of Sep. 2023

	Core	Growth	Value	Total
Total Assets in Funds (\$m)	741,844	983,830	602,191	2,327,865
Number of Funds	130	146	66	342
Avg # of Stocks	98	71	80	83

Source: BofA US Equity & Quant Strategy, FactSet Ownership

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Hedge Fund Positioning Methodology

We downloaded the holdings of hedge fund managers (as categorized by FactSet) for the S&P 500 stocks, based on the most current fund managers' equity holdings from the FactSet Ownership Database. To calculate the net exposure of hedge funds, we subtract the estimated short positions from their long positions, where we assume hedge funds account for 85% of the total short interest based on our regression analysis. We obtain the aggregate short interest data from the NYSE and NASDAQ exchanges via FactSet. All securities have been marked-to-market as of October 19, 2023. Russell 3000/S&P 500 holdings (long exposure) of hedge funds captured in this analysis was \$1.4tn.

Active Share Ratio

Calculated as the sum of the absolute value of the differences of the weight of each holding in the manager's portfolio versus the weight of each holding in the benchmark index and then dividing by two. For example, if the benchmark includes one stock, and a portfolio manager invests half of assets in that stock and half in another stock, the Active Share of the portfolio is 50%

Full list of Tax Loss Candidates

Exhibit 116: Tax Loss Candidates

Stocks that were down 10% or more from Jan.-Oct. 31, 2023

Ticker	Company Name	Sector	YTD perf. through Oct. 31	Relative Wgt. vs. S&P 500	BofA Rating	Price
DG	Dollar General Corporation	Consumer Staples	-51.7	2.1	UNDERPERFORM	120.97
EL	Estee Lauder Companies Inc. Class A	Consumer Staples	-48.1	1.6	NEUTRAL	115.53
CFG	Citizens Financial Group, Inc.	Financials	-40.5	1.8	NEUTRAL	25.81
PODD	Insulet Corporation	Health Care	-55.0	1.4	BUY	161.87
AES	AES Corporation	Utilities	-48.2	1.2	NEUTRAL	16.14
LUV	Southwest Airlines Co.	Industrials	-34.0	1.8	NEUTRAL	23.56
SCHW	Charles Schwab Corp	Financials	-37.5	1.4	UNDERPERFORM	55.23
ILMN	Illumina, Inc.	Health Care	-45.9	1.1	NEUTRAL	114.50
FIS	Fidelity National Information Services, Inc.	Financials	-27.6	1.7	BUY	51.10
MOS	Mosaic Company	Materials	-26.0	2.2	BUY	31.93
INCY	Incyte Corporation	Health Care	-32.9	1.2	NEUTRAL	54.72
EPAM	EPAM Systems, Inc.	Information Technology	-33.6	1.2	UNDERPERFORM	244.65
EXR	Extra Space Storage Inc.	Real Estate	-29.6	1.2	NEUTRAL	107.20
JCI	Johnson Controls International plc	Industrials	-23.4	2.0	NEUTRAL	50.92
PNC	PNC Financial Services Group, Inc.	Financials	-27.5	1.3	NEUTRAL	120.78
TFC	Truist Financial Corporation	Financials	-34.1	0.9	NEUTRAL	30.52
HAS	Hasbro, Inc.	Consumer Discretionary	-26.0	1.4	NEUTRAL	45.44
ALB	Albemarle Corporation	Materials	-41.5	0.7	UNDERPERFORM	122.11
ETSY	Etsy, Inc.	Consumer Discretionary	-48.0	0.6	NEUTRAL	64.84
D	Dominion Energy Inc	Utilities	-34.2	0.8	UNDERPERFORM	45.58
TGT	Target Corporation	Consumer Staples	-25.7	1.2	BUY	111.35
DLTR	Dollar Tree, Inc.	Consumer Staples	-21.5	1.8	UNDERPERFORM	116.33
WHR	Whirlpool Corporation	Consumer Discretionary	-26.1	1.1	UNDERPERFORM	110.97
VFC	V.F. Corporation	Consumer Discretionary	-46.6	0.5	UNDERPERFORM	15.99
MRNA	Moderna, Inc.	Health Care	-57.7	0.5	NEUTRAL	73.66
CVS	CVS Health Corporation	Health Care	-25.9	1.0	BUY	70.25
HRL	Hormel Foods Corporation	Consumer Staples	-28.5	0.8	UNDERPERFORM	32.59
NDAQ	Nasdaq, Inc.	Financials	-19.2	1.9	UNDERPERFORM	51.19
BMJ	Bristol-Myers Squibb Company	Health Care	-28.4	0.8	BUY	52.29
DXCM	DexCom, Inc.	Health Care	-21.6	1.4	BUY	95.19
PARA	Paramount Global Class B	Communication Services	-35.5	0.6	UNDERPERFORM	12.84
RTX	RTX Corp.	Industrials	-19.4	1.6	UNDERPERFORM	82.67
MTD	Mettler-Toledo International Inc.	Health Care	-31.8	0.7	NEUTRAL	1042.28
PFE	Pfizer Inc.	Health Care	-40.4	0.5	NEUTRAL	31.25
A	Agilent Technologies, Inc.	Health Care	-30.9	0.6	BUY	110.54
DHR	Danaher Corporation	Health Care	-18.4	1.5	NEUTRAL	198.25
MET	MetLife, Inc.	Financials	-17.1	1.6	BUY	60.05
TMO	Thermo Fisher Scientific Inc.	Health Care	-19.2	1.2	BUY	459.24
BAX	Baxter International Inc.	Health Care	-36.4	0.4	NEUTRAL	34.21
GIS	General Mills, Inc.	Consumer Staples	-22.2	1.0	NEUTRAL	65.10
STT	State Street Corporation	Financials	-16.7	1.6	NEUTRAL	66.54
USB	U.S. Bancorp	Financials	-26.9	0.7	BUY	34.81

Exhibit 116: Tax Loss Candidates

Stocks that were down 10% or more from Jan.-Oct. 31, 2023

Ticker	Company Name	Sector	YTD perf. through Oct. 31	Relative Wgt. vs. S&P 500	BofA Rating	Price
CTVA	Corteva Inc	Materials	-18.1	1.3	NEUTRAL	49.28
KDP	Keurig Dr Pepper Inc.	Consumer Staples	-14.9	2.3	BUY	31.00
TPR	Tapestry, Inc.	Consumer Discretionary	-27.6	0.6	BUY	27.47
KEY	KeyCorp	Financials	-41.3	0.3	BUY	11.30
NSC	Norfolk Southern Corporation	Industrials	-22.6	0.8	NEUTRAL	194.40
ZBH	Zimmer Biomet Holdings, Inc.	Health Care	-18.1	1.2	NEUTRAL	105.93
ADM	Archer-Daniels-Midland Company	Consumer Staples	-22.9	0.7	NEUTRAL	72.11
FMC	FMC Corporation	Materials	-57.4	0.1	NEUTRAL	53.37
KHC	Kraft Heinz Company	Consumer Staples	-22.7	0.7	BUY	33.09
MKC	McCormick & Company, Incorporated	Consumer Staples	-22.9	0.7	BUY	64.77
BBWI	Bath & Body Works, Inc.	Consumer Discretionary	-29.6	0.4	BUY	31.54
JNPR	Juniper Networks, Inc.	Information Technology	-15.8	1.5	UNDERPERFORM	26.94
ALK	Alaska Air Group, Inc.	Industrials	-26.3	0.5	BUY	33.16
GM	General Motors Company	Consumer Discretionary	-16.2	1.2	BUY	28.41
MS	Morgan Stanley	Financials	-16.7	1.1	BUY	75.51
IFF	International Flavors & Fragrances Inc.	Materials	-34.8	0.3	NEUTRAL	71.59
NEE	NextEra Energy, Inc.	Utilities	-30.3	0.4	NEUTRAL	58.46
NOC	Northrop Grumman Corp.	Industrials	-13.6	2.5	BUY	467.70
HBAN	Huntington Bancshares Incorporated	Financials	-31.6	0.3	NEUTRAL	10.44
DFS	Discover Financial Services	Financials	-16.1	1.2	NEUTRAL	84.86
SBAC	SBA Communications Corp. Class A	Real Estate	-25.6	0.5	NEUTRAL	219.69
TSCO	Tractor Supply Company	Consumer Discretionary	-14.4	1.7	NEUTRAL	199.19
EFX	Equifax Inc.	Industrials	-12.8	2.4	UNDERPERFORM	183.76
WAT	Waters Corporation	Health Care	-30.4	0.3	NEUTRAL	260.67
ENPH	Enphase Energy, Inc.	Information Technology	-70.0	0.1	UNDERPERFORM	78.83
FITB	Fifth Third Bancorp	Financials	-27.7	0.4	BUY	26.16
MTCH	Match Group, Inc.	Communication Services	-16.6	1.0	BUY	29.99
PAYC	Paycom Software, Inc.	Industrials	-21.1	0.7	NEUTRAL	167.84
BAC	Bank of America Corp	Financials	-20.5	0.7		28.16
AMT	American Tower Corporation	Real Estate	-15.9	1.1	BUY	185.45
RVTY	Revvity, Inc.	Health Care	-40.9	0.1	NEUTRAL	85.38
CCI	Crown Castle Inc.	Real Estate	-31.5	0.3	NEUTRAL	96.56
BIIB	Biogen Inc.	Health Care	-14.2	1.4	NEUTRAL	245.61
SEDG	SolarEdge Technologies, Inc.	Information Technology	-73.2	0.0	UNDERPERFORM	73.17
DTE	DTE Energy Company	Utilities	-18.0	0.8	BUY	98.53
ALGN	Align Technology, Inc.	Health Care	-12.5	1.7	UNDERPERFORM	197.52
IEX	IDEX Corporation	Industrials	-16.2	0.9		191.58
PYPL	PayPal Holdings, Inc.	Financials	-27.3	0.3	BUY	54.63
NTRS	Northern Trust Corporation	Financials	-25.5	0.4	BUY	69.52
TXN	Texas Instruments Incorporated	Information Technology	-14.0	1.3	NEUTRAL	146.59
CTLT	Catalent Inc	Health Care	-23.6	0.5	UNDERPERFORM	34.82
CNC	Centene Corporation	Health Care	-15.9	1.0	NEUTRAL	71.75
ARE	Alexandria Real Estate Equities, Inc.	Real Estate	-36.1	0.1	BUY	99.60
CAG	Conagra Brands, Inc.	Consumer Staples	-29.3	0.2	NEUTRAL	27.39
FE	FirstEnergy Corp.	Utilities	-15.1	1.0	UNDERPERFORM	36.10
ES	Eversource Energy	Utilities	-35.8	0.1	UNDERPERFORM	56.35
ULTA	Ulta Beauty Inc.	Consumer Discretionary	-18.7	0.7	NEUTRAL	395.58
VTRS	Viatis, Inc.	Health Care	-20.0	0.6	UNDERPERFORM	9.13
WBA	Walgreens Boots Alliance, Inc.	Consumer Staples	-43.6	0.0	UNDERPERFORM	21.65
TECH	Bio-Techne Corporation	Health Care	-34.1	0.1		59.62
CMA	Comerica Incorporated	Financials	-41.1	0.0	NEUTRAL	42.45
KEYS	Keysight Technologies Inc	Information Technology	-28.7	0.2	UNDERPERFORM	125.02
UPS	United Parcel Service, Inc. Class B	Industrials	-18.7	0.6	NEUTRAL	141.85
ETR	Entergy Corporation	Utilities	-15.0	0.9	NEUTRAL	97.65
TFX	Teleflex Incorporated	Health Care	-26.0	0.3	NEUTRAL	204.81
RF	Regions Financial Corporation	Financials	-32.6	0.1	NEUTRAL	15.36
PM	Philip Morris International Inc.	Consumer Staples	-11.9	1.4	BUY	91.28
CNP	CenterPoint Energy, Inc.	Utilities	-10.4	1.9	BUY	27.19
EW	Edwards Lifesciences Corporation	Health Care	-14.6	1.0	NEUTRAL	66.53
FCX	Freeport-McMoRan, Inc.	Materials	-11.1	1.5	NEUTRAL	34.06
AEP	American Electric Power Company, Inc.	Utilities	-20.4	0.5	NEUTRAL	78.85
ABT	Abbott Laboratories	Health Care	-13.9	1.1	BUY	94.80
ZION	Zions Bancorporation, N.A.	Financials	-37.2	0.0	UNDERPERFORM	34.10



Exhibit 116: Tax Loss Candidates

Stocks that were down 10% or more from Jan.-Oct. 31, 2023

Ticker	Company Name	Sector	YTD perf. through Oct. 31	Relative Wgt. vs. S&P 500	BofA Rating	Price
CVX	Chevron Corporation	Energy	-18.8	0.5	BUY	144.41
BIO	Bio-Rad Laboratories, Inc. Class A	Health Care	-34.5	0.0		302.82
SEE	Sealed Air Corporation	Materials	-38.3	0.0	BUY	33.28
PFG	Principal Financial Group, Inc.	Financials	-19.4	0.5	NEUTRAL	69.44
HON	Honeywell International Inc.	Industrials	-14.5	0.9	BUY	186.61
RMD	ResMed Inc.	Health Care	-32.1	0.0	BUY	150.26
PSA	Public Storage	Real Estate	-14.8	0.8	BUY	247.98
TSN	Tyson Foods, Inc. Class A	Consumer Staples	-25.5	0.2	UNDERPERFORM	46.72
XEL	Xcel Energy Inc.	Utilities	-15.5	0.7	BUY	59.83
LHX	L3Harris Technologies Inc	Industrials	-13.8	0.9	NEUTRAL	182.89
NKE	NIKE, Inc. Class B	Consumer Discretionary	-12.2	1.1	NEUTRAL	109.36
BLK	BlackRock, Inc.	Financials	-13.6	0.9	BUY	648.59
GNRC	Generac Holdings Inc.	Industrials	-16.5	0.6	UNDERPERFORM	103.79
MKTX	MarketAxess Holdings Inc.	Financials	-23.4	0.2		216.53
DE	Deere & Company	Industrials	-14.8	0.7	NEUTRAL	369.24
EVRG	Evergy, Inc.	Utilities	-21.9	0.3	NEUTRAL	50.33
BEN	Franklin Resources, Inc.	Financials	-13.6	0.8	UNDERPERFORM	23.55
MHK	Mohawk Industries, Inc.	Consumer Discretionary	-21.4	0.3	UNDERPERFORM	82.21
CMS	CMS Energy Corporation	Utilities	-14.2	0.8	BUY	55.26
MTB	M&T Bank Corporation	Financials	-22.3	0.3	BUY	121.08
APA	APA Corporation	Energy	-14.9	0.7	BUY	38.08
GPC	Genuine Parts Company	Consumer Discretionary	-25.7	0.1	BUY	135.54
ELV	Elevance Health, Inc.	Health Care	-12.3	0.9	BUY	457.24
CPB	Campbell Soup Company	Consumer Staples	-28.8	0.0	UNDERPERFORM	40.43
IVZ	Invesco Ltd.	Financials	-27.9	0.0	NEUTRAL	13.30
JNJ	Johnson & Johnson	Health Care	-16.0	0.5	NEUTRAL	150.90
MMM	3M Company	Industrials	-24.2	0.1	NEUTRAL	93.15
DGX	Quest Diagnostics Incorporated	Health Care	-16.8	0.4	NEUTRAL	132.88
SJM	J.M. Smucker Company	Consumer Staples	-28.2	0.0	NEUTRAL	110.14
ABBV	AbbVie, Inc.	Health Care	-12.6	0.7	NEUTRAL	142.16
NEM	Newmont Corporation	Materials	-20.6	0.2	BUY	36.66
TRV	Travelers Companies, Inc.	Financials	-10.7	0.9	UNDERPERFORM	169.99
CRL	Charles River Laboratories International, Inc.	Health Care	-22.7	0.1	BUY	182.81
DVN	Devon Energy Corporation	Energy	-24.3	0.1	NEUTRAL	45.29
AEE	Ameren Corporation	Utilities	-14.9	0.5	BUY	78.00
GS	Goldman Sachs Group, Inc.	Financials	-11.6	0.8	BUY	323.95
ZBRA	Zebra Technologies Corporation Class A	Information Technology	-18.3	0.3		208.04
HSY	Hershey Company	Consumer Staples	-19.1	0.2	BUY	187.49
K	Kellanova	Consumer Staples	-24.5	0.0	NEUTRAL	50.90
SYY	Sysco Corporation	Consumer Staples	-13.0	0.7	BUY	67.56
JKHY	Jack Henry & Associates, Inc.	Financials	-19.7	0.1	NEUTRAL	143.43
KIM	Kimco Realty Corporation	Real Estate	-15.3	0.5	BUY	18.21
BXP	Boston Properties, Inc.	Real Estate	-20.7	0.1	BUY	55.50
HSIC	Henry Schein, Inc.	Health Care	-18.6	0.2	UNDERPERFORM	62.96
GEN	Gen Digital Inc.	Information Technology	-22.3	0.0		18.93
MAA	Mid-America Apartment Communities, Inc.	Real Estate	-24.7	0.0	UNDERPERFORM	119.59
O	Realty Income Corporation	Real Estate	-25.3	0.0	NEUTRAL	50.70
AWK	American Water Works Company, Inc.	Utilities	-22.8	0.0	UNDERPERFORM	126.86
AMCR	Amcor PLC	Materials	-25.4	0.0	UNDERPERFORM	9.05
MO	Altria Group, Inc.	Consumer Staples	-12.1	0.6	NEUTRAL	40.51
CMI	Cummins Inc.	Industrials	-10.7	0.7	BUY	219.64
AAL	American Airlines Group Inc.	Industrials	-12.3	0.6	UNDERPERFORM	11.75
LKQ	LKQ Corporation	Consumer Discretionary	-17.8	0.2		44.99
GLW	Corning Inc	Information Technology	-16.2	0.3	BUY	27.47
CPT	Camden Property Trust	Real Estate	-24.1	0.0	UNDERPERFORM	86.64
XYL	Xylem Inc.	Industrials	-15.4	0.3		96.77
SYF	Synchrony Financial	Financials	-14.6	0.4	NEUTRAL	29.35
TROW	T. Rowe Price Group	Financials	-17.0	0.1	UNDERPERFORM	94.11
BBY	Best Buy Co., Inc.	Consumer Discretionary	-16.7	0.1	UNDERPERFORM	65.57
DUK	Duke Energy Corporation	Utilities	-13.7	0.5	BUY	89.28
C	Citigroup Inc.	Financials	-12.7	0.5	BUY	41.96
IPG	Interpublic Group of Companies, Inc.	Communication Services	-14.7	0.3	BUY	29.09
PLD	Prologis, Inc.	Real Estate	-10.6	0.6	BUY	104.23

Exhibit 116: Tax Loss Candidates

Stocks that were down 10% or more from Jan.-Oct. 31, 2023

Ticker	Company Name	Sector	YTD perf. through Oct. 31	Relative Wgt. vs. S&P 500	BofA Rating	Price
VICI	VICI Properties Inc	Real Estate	-13.9	0.4	BUY	28.75
PPL	PPL Corporation	Utilities	-15.9	0.2	BUY	25.93
IQV	IQVIA Holdings Inc	Health Care	-11.7	0.5	BUY	200.08
RJF	Raymond James Financial, Inc.	Financials	-10.7	0.6	BUY	99.86
KMB	Kimberly-Clark Corporation	Consumer Staples	-11.9	0.5	NEUTRAL	120.41
UDR	UDR, Inc.	Real Estate	-17.9	0.0	NEUTRAL	32.12
T	AT&T Inc.	Communication Services	-16.3	0.0	BUY	15.84
CLX	Clorox Company	Consumer Staples	-16.1	0.0	UNDERPERFORM	132.52
BF.B	Brown-Forman Corporation Class B	Consumer Staples	-14.5	0.1		59.09
KO	Coca-Cola Company	Consumer Staples	-11.2	0.4	BUY	57.18
HOLX	Hologic, Inc.	Health Care	-11.5	0.4	NEUTRAL	68.37
NDSN	Nordson Corporation	Industrials	-10.6	0.4		220.49
UHS	Universal Health Services, Inc. Class B	Health Care	-10.6	0.4	BUY	130.13
F	Ford Motor Company	Consumer Discretionary	-16.2	0.0	BUY	10.17
WEC	WEC Energy Group Inc	Utilities	-13.2	0.1	NEUTRAL	82.05
VZ	Verizon Communications Inc.	Communication Services	-10.8	0.1	NEUTRAL	35.94
KMI	Kinder Morgan Inc Class P	Energy	-10.4	0.1	NEUTRAL	16.55
CHRW	C.H. Robinson Worldwide, Inc.	Industrials	-10.6	0.0	UNDERPERFORM	82.77
LNT	Alliant Energy Corp	Utilities	-11.6	0.0	BUY	50.00

Source: FactSet, BofA US Equity & Quant Strategy. This screen is not a recommended list either individually or as a group of stocks. Investors should consider the fundamentals of the companies and their own individual circumstances/objectives before making any investment decision. Sorted by an average rank score of YTD performance and relative weight vs. S&P 500.

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Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster ^{R1}
Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

^{R1} Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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