

Investment Performance Review
Period Ending September 30, 2019

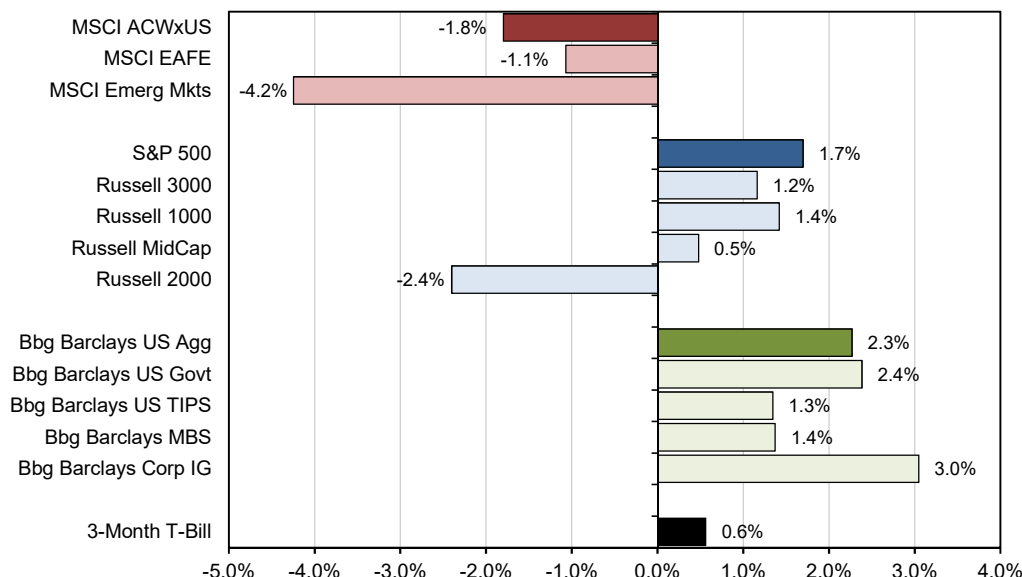
Boynton Beach Firefighters' Retirement System



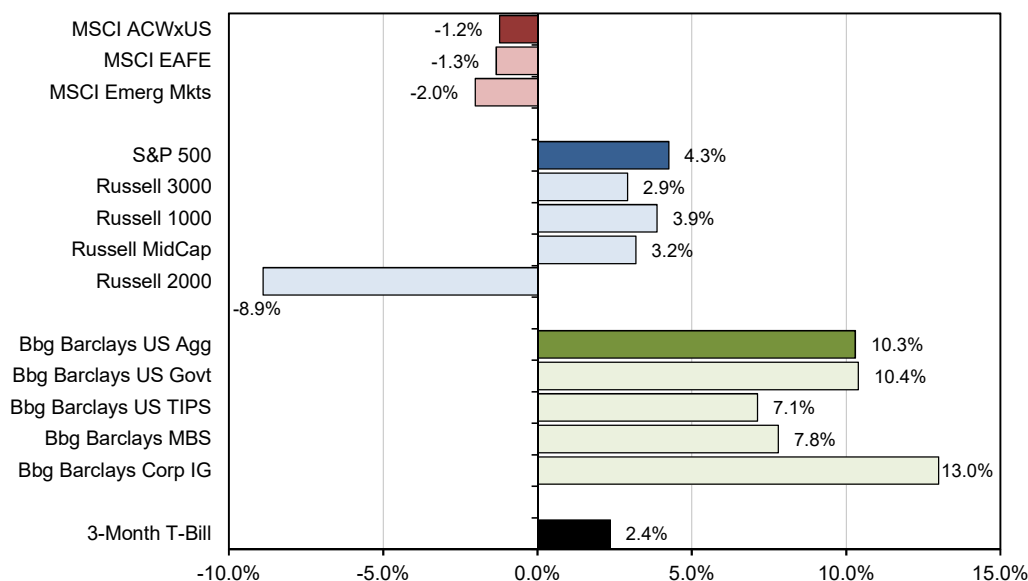
3rd Quarter 2019 Market Environment

- Broad asset class returns were mixed during the 3rd quarter of 2019 with both US large cap equity and fixed income indices extending their year-to-date gains while US small cap and international indices declined. Volatility was high during the period as investors weighed the effects of ongoing trade disruption and slowing global economic data against the announcement of several new central bank stimulus measures. US stocks continued their year-to-date outperformance relative to international stocks during the period. US markets faced headwinds from continued escalation in the ongoing trade dispute with China, slowing economic data, particularly with regards to manufacturing, and political uncertainty following a late quarter impeachment inquiry against President Donald Trump. However, markets were supported by easing monetary policy from the Federal Reserve (Fed) which cut interest rates twice during the period. In general, lower risk assets performed better through the period as investors weighed the increased risk of a recession. Within domestic equity markets, large cap stocks outperformed small cap equities during the quarter with the S&P 500 Index returning 1.7% versus a -2.4% return on the small cap Russell 2000 Index. US equity returns over the 1-year period were positive for large and mid-cap stocks, returning 4.3% and 3.2% respectively, but small cap stocks posted a loss, falling -8.9%.
- International markets posted negative returns for the 3rd quarter. Similar to US markets, international returns were impacted by continued weakness in economic data, heightened geopolitical uncertainty around global trade and Brexit and newly announced stimulus measures from global central banks including the European Central Bank (ECB) and Peoples Bank of China (PBoC). International returns also faced headwinds from a strengthening US dollar (USD) which appreciated against most major currencies during the period. Developed markets continued their outperformance relative to emerging markets during the period with the MSCI EAFE Index falling -1.1% versus a -4.2% decline for the MSCI Emerging Markets Index. Both developing and emerging markets posted slight losses over the 1-year period, returning -1.3% and -2.0% respectively.
- Fixed income returns outperformed equities during the 3rd quarter as investors looked for relative safety amid the equity market volatility. The broad market Bloomberg Barclays Aggregate Index gained 2.3% as interest rates fell following central bank stimulus from the Fed and other global central banks. The US Treasury Yield Curve also inverted in August, contributing to growing concern around the potential for an upcoming recession. Investment grade corporate issues were the best performing securities for the third quarter in a row, returning 3.0%, outperforming Treasury and securitized issues. Corporate issues benefitted from their relatively high duration and yield. The bond market has meaningfully outperformed the equity market over the trailing 1-year period with the Bloomberg Barclays Aggregate posting a solid 10.3% return.

Quarter Performance

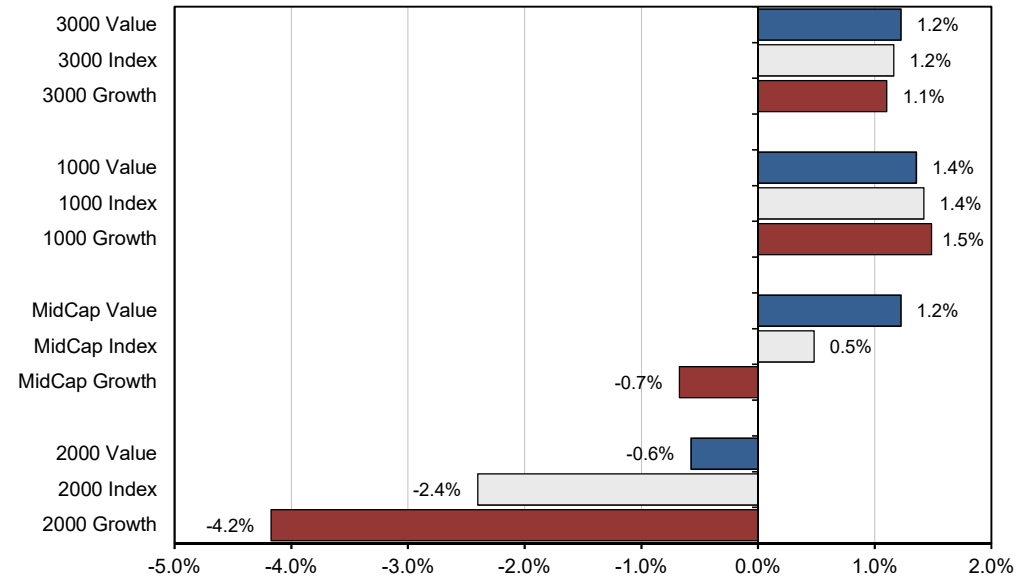


1-Year Performance

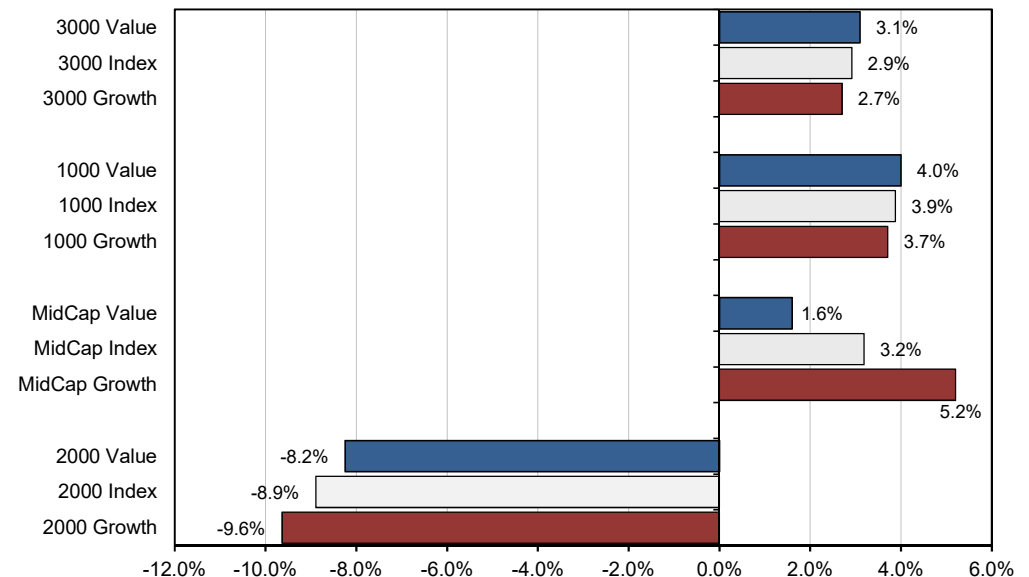


- US equity returns were modestly positive during the 3rd quarter, but results varied considerably across the style and capitalization spectrum. Data released during the quarter showed signs that the US economy could be slowing down. Weakening metrics around manufacturing and sentiment were particularly concerning and employment, typically a bright spot for the US economy, missed expectations for the pace of new jobs and hours worked. A likely contributor to the softening economic data is the ongoing trade war between the US and China. Despite last quarter's agreement to cease escalations following a meeting between President Trump and President Jinping at the G20 summit, the 3rd quarter saw the announcement and implementation of a series of new tariffs from both the US and China. Additionally, in response to new tariffs, the PBoC allowed the yuan to depreciate to its lowest level since 2008 leading US Treasury officials to accuse China of currency manipulation. Even with the apparent breakdown in relations between the two sides, both China and the US agreed to continue negotiations set to take place in October. Markets also reacted to the late quarter announcement of a formal impeachment inquiry against President Trump following a whistle blower report alleging that President Trump pressured the government of Ukraine to investigate the son of political opponent Joe Biden. Despite these substantial headwinds, the US equity market found support from Fed easing of monetary policy in the form of two separate interest rate cuts and ended the period with a gain. The Russell 3000 Index returned 1.2% and 2.9% for the quarter and 1-year period respectively.
- During the quarter, higher market cap stocks outperformed lower market cap stocks across the style spectrum. The large cap Russell 1000 Index gained 1.4% during the period versus a -2.4% return for the small cap Russell 2000 Index. Investors may have been attracted to large cap names as a result of the quarter's volatility as large cap stocks are typically viewed as less risky than their small cap counterparts. When viewed over the most recent 1-year period, large cap stocks significantly outperformed small cap stocks with the Russell 1000 posting a 3.9% gain while the Russell 2000 had considerable losses, declining -8.9%.
- In general, value stocks outperformed growth stocks during the 3rd quarter as investors gravitated toward the relative safety these securities typically provide. However, large cap growth stocks slightly outperformed large cap value stocks due to favorable holdings in the technology and industrials sectors as well as a large underweight to the underperforming energy sector. The Russell 1000 Growth Index was the best performing style index for the period, returning 1.5%, with the small cap growth index posting the lowest relative return, a loss of -4.2%. Results over the 1-year period are mixed with value stocks outperforming in large and small cap and growth stocks outperforming in mid-cap.

Quarter Performance - Russell Style Series

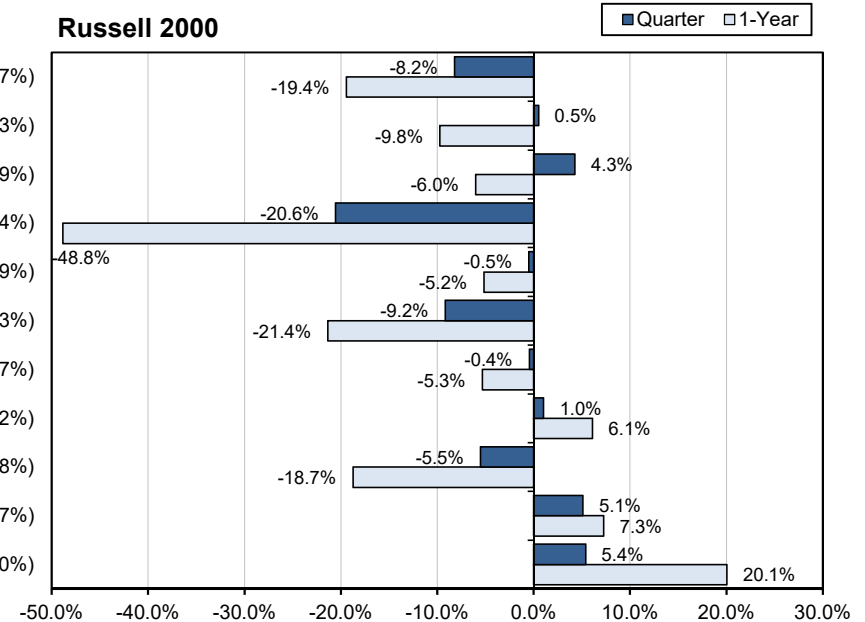
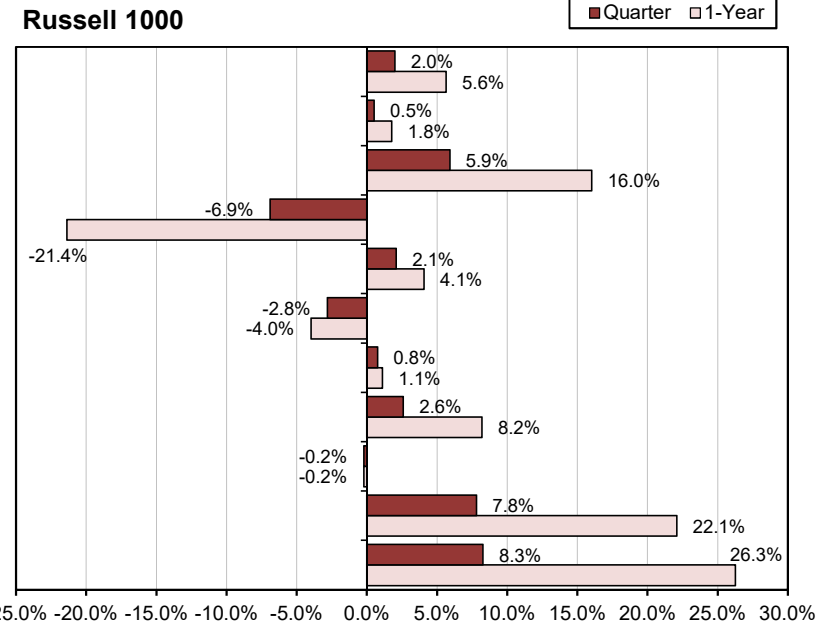


1-Year Performance - Russell Style Series



- Sector performance was mixed across large cap sectors for the 3rd quarter. There were gains for eight out of eleven sectors within the Russell 1000 Index during the period with six sectors outpacing the return of the index. Defensive sectors such as utilities, real estate and consumer staples were the best performers through the quarter returning 8.3%, 7.8% and 16.0% respectively as investors looked toward these sectors for their higher yields and lower historical volatility. Energy, health care and materials stocks were the worst performers during the period. Energy stocks fell -6.9% as crude oil prices fell during the period despite a sharp upward spike in September following a terrorist attack in Saudi Arabia that temporarily reduced the country's oil production, causing a large disruption in supply. Health care stocks also lagged, declining -2.8%, as discussions in Washington around the potential for increased regulation on drug pricing acted as a headwind. Health care reform has also been a major topic of discussion among candidates for the 2020 US Presidential election, creating additional uncertainty within the sector. Materials returned -0.2% as demand concerns weighed on the economically sensitive sector. Returns over the 1-year period were also generally positive with eight out of eleven sectors posting gains. Similar to the quarter's results, defensive sectors outperformed by a considerable margin. Utilities, real estate and consumer staples performed well returning 26.3%, 22.1% and 16.0% respectively. Technology returns were also strong gaining 8.2%. Energy, health care and materials were the only sectors to post negative results over the 1-year period with energy falling -21.4%, health care dropping -4.0% and materials returning -0.2%.

- Quarterly results for small cap sectors were worse than their large capitalization counterparts with all eleven sectors trailing their corresponding large cap equivalents. Five of eleven economic sectors produced gains during the period with seven of eleven sectors outpacing the Russell 2000 Index return for the quarter. Similar to large caps, defensive sectors performed well as investors gravitated toward their relative safety and higher yields. Utilities were the best performers, returning 5.4% followed closely by REITs and consumer staples which returned 5.1% and 4.3% respectively. The cyclically oriented energy sector was the largest detractor for the period, posting a loss of -20.6%. Health care and communication services stocks also experienced notable declines, falling -9.2% and -8.2% respectively. Over the trailing 1-year period, returns were broadly negative. Utilities, real estate and technology were the only sectors to post gains returning 20.1%, 7.3% and 6.1%. The energy sector was an outlier in terms of negative returns dropping -48.8% during the period. There were also notable losses in health care, communication services and materials which declined -21.4%, -19.4% and -18.7% respectively.



The Market Environment
Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000
As of September 30, 2019

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Microsoft Corp	3.82%	4.1%	22.9%	Information Technology
Apple Inc	3.68%	13.6%	0.8%	Information Technology
Amazon.com Inc	2.61%	-8.3%	-13.3%	Consumer Discretionary
Facebook Inc A	1.55%	-7.7%	8.3%	Communication Services
Berkshire Hathaway Inc B	1.48%	-2.4%	-2.8%	Financials
JPMorgan Chase & Co	1.36%	6.0%	7.4%	Financials
Alphabet Inc Class C	1.35%	12.8%	2.1%	Communication Services
Alphabet Inc A	1.33%	12.8%	1.2%	Communication Services
Johnson & Johnson	1.25%	-6.4%	-3.8%	Health Care
Procter & Gamble Co	1.12%	14.2%	54.0%	Consumer Staples

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Insulet Corp	0.04%	38.2%	55.7%	Health Care
CyrusOne Inc	0.03%	37.9%	28.8%	Real Estate
KLA Corp	0.09%	35.7%	61.1%	Information Technology
New York Community Bancorp Inc	0.02%	27.6%	28.7%	Financials
Entegris Inc	0.02%	26.3%	63.9%	Information Technology
Pilgrims Pride Corp	0.01%	26.2%	77.1%	Consumer Staples
Western Digital Corp	0.06%	25.4%	5.6%	Information Technology
DocuSign Inc	0.03%	24.6%	17.8%	Information Technology
Target Corp	0.19%	24.4%	24.3%	Consumer Discretionary
XPO Logistics Inc	0.02%	23.8%	-37.3%	Industrials

Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
2U Inc	0.00%	-56.7%	-78.3%	Information Technology
PG&E Corp	0.02%	-56.4%	-78.3%	Utilities
Covetrus Inc	0.00%	-51.4%	N/A	Health Care
Sarepta Therapeutics Inc	0.02%	-50.4%	-53.4%	Health Care
Nektar Therapeutics Inc	0.01%	-48.8%	-70.1%	Health Care
DXC Technology Co	0.03%	-46.2%	-67.9%	Information Technology
Antero Resources Corp	0.00%	-45.4%	-82.9%	Energy
Range Resources Corp	0.00%	-45.0%	-77.3%	Energy
Pluralsight Inc Class A	0.00%	-44.6%	-47.5%	Information Technology
Fluor Corp	0.01%	-42.5%	-66.1%	Industrials

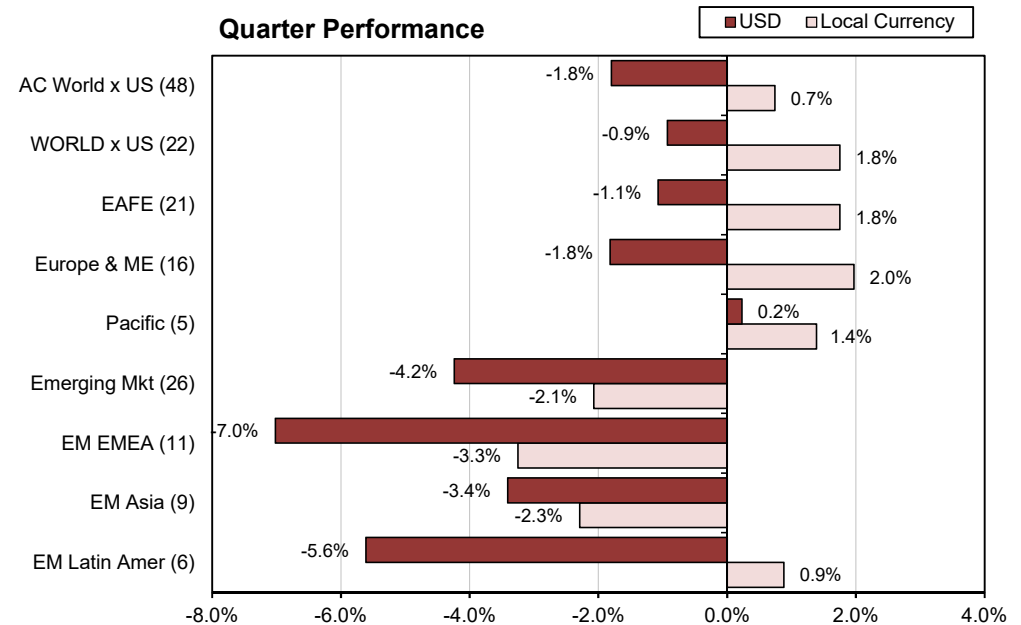
Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
NovoCure Ltd	0.34%	18.3%	42.7%	Health Care
Haemonetics Corp	0.33%	4.8%	10.1%	Health Care
Trex Co Inc	0.28%	26.8%	18.1%	Industrials
Science Applications International	0.27%	1.3%	10.4%	Information Technology
Portland General Electric Co	0.26%	4.8%	27.2%	Utilities
ONE Gas Inc	0.26%	7.0%	19.5%	Utilities
First Industrial Realty Trust Inc	0.26%	8.3%	29.3%	Real Estate
Southwest Gas Holdings Inc	0.26%	2.2%	18.2%	Utilities
Maximus Inc	0.25%	6.9%	20.4%	Information Technology
Teladoc Health Inc	0.25%	2.0%	-21.6%	Health Care

Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
NextCure Inc	0.00%	105.9%	N/A	Health Care
Dova Pharmaceuticals Inc	0.01%	98.2%	33.3%	Health Care
WW International Inc	0.09%	98.0%	-47.5%	Consumer Discretionary
R.R.Donnelley & Sons Co	0.01%	94.7%	-27.6%	Industrials
Infinera Corp	0.05%	87.3%	-25.3%	Information Technology
Lannett Co Inc	0.02%	84.8%	135.8%	Health Care
Owens & Minor Inc	0.02%	81.6%	-64.4%	Health Care
Allakos Inc	0.08%	81.5%	74.8%	Health Care
Solid Biosciences Inc	0.01%	79.8%	-78.1%	Health Care
Ardelyx Inc	0.01%	74.7%	8.0%	Health Care

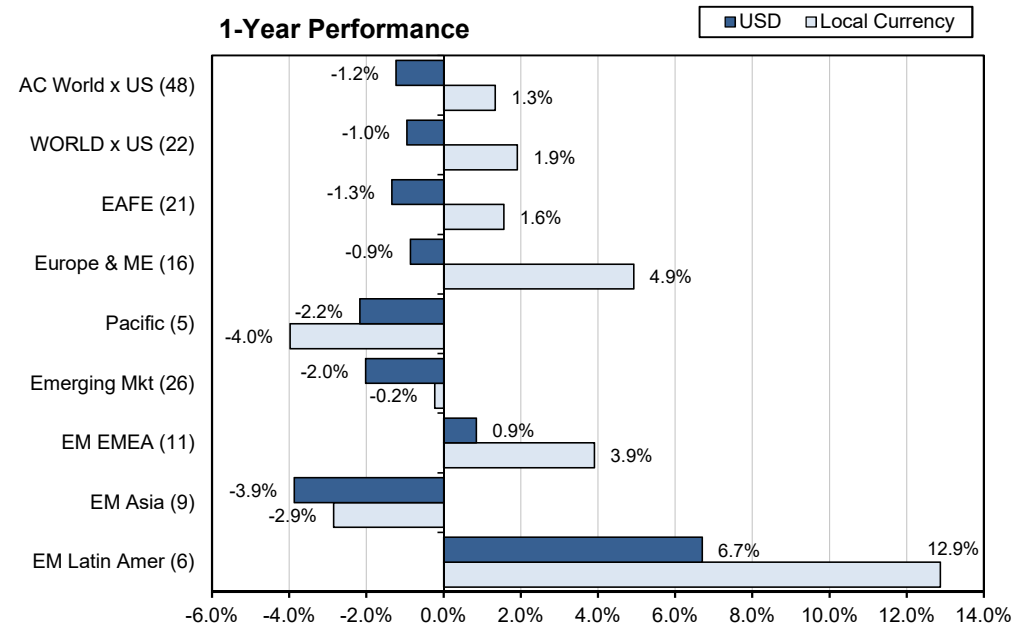
Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Tocagen Inc	0.00%	-90.1%	-95.8%	Health Care
Waitr Holdings Inc Class A	0.00%	-79.6%	-88.1%	Consumer Discretionary
McDermott International Inc	0.02%	-79.1%	-89.0%	Energy
Sonim Technologies Inc	0.00%	-77.0%	N/A	Information Technology
Synlogic Inc	0.00%	-74.8%	-83.9%	Health Care
Mallinckrodt PLC	0.01%	-73.7%	-91.8%	Health Care
Clovis Oncology Inc	0.01%	-73.6%	-86.6%	Health Care
Bloom Energy Corp Class A	0.01%	-73.5%	-90.5%	Industrials
Chaparral Energy Inc Class A	0.00%	-71.5%	-92.4%	Energy
Pacific Drilling SA	0.01%	-69.3%	-99.7%	Energy

- Broad international equity returns were negative in USD terms for the 3rd quarter as US investors in international markets faced a meaningful headwind from a USD that strengthened against most major currencies. In local currency terms, developed markets were generally positive while emerging markets posted losses. The MSCI ACWI ex US Index gained 0.7% in local currency terms, but a USD investor experienced a loss of -1.8% due to the currency effect. Similar to US markets, international equity markets balanced headwinds from slowing economic data and concerns around global trade with tailwinds from central bank shifts toward more accommodative policies. Among others, the ECB and PBoC announced new stimulus measures during the quarter. The ECB cut its policy rate and committed to a new quantitative easing program and the PBoC announced new stimulus measures designed to encourage bank lending and reduce borrowing costs as it tries to counteract a cooling economy and the effects of its ongoing trade war with the US. The recent USD strength can also be seen over the 1-year period with USD returns trailing most local currency returns. Returns for the MSCI ACWI ex US Index were 1.3% in local currency terms and -1.2% in USD terms for the trailing year.
- Results for developed market international indices were generally positive in local currency terms, but negative in USD terms for the 3rd quarter, with the MSCI EAFE Index returning 1.8% and -0.9% respectively. Outside of central bank policy and trade, there were notable developments within the political sphere. In Europe, Christine Lagarde was nominated to succeed Mario Draghi as the head of the ECB. Japanese stocks rose as election results appeared to support continuity for Prime Minister Abe's ongoing policy efforts. In the UK, pro-Brexit Boris Johnson was appointed to prime minister, replacing Theresa May. The UK continues to face uncertainty around Brexit as its late October deadline to agree to a withdrawal agreement with the European Union (EU) quickly approaches. Stocks in Hong Kong fell as the government dealt with major pro-democracy protests throughout the quarter. The MSCI EAFE Index returned 1.6% and -1.3% for the last twelve months in local currency and USD terms respectively.
- Emerging markets continued their trend of 2019 underperformance relative to developed markets during the 3rd quarter, posting negative returns in both local currency and USD terms. The MSCI Emerging Markets Index fell -2.1% and -4.2% respectively. As expected, geopolitical tensions around trade continued to put pressure on emerging market stocks. Countries with greater sensitivities to commodity prices or a strong USD tended to underperform during the period. Argentina's stock market fell -46.8% as primary elections in the country saw the defeat of the country's current market friendly president. One year returns for the MSCI Emerging Market Index were -0.2% in local currency terms and -2.0% in USD terms.

Quarter Performance



1-Year Performance



The Market Environment
US Dollar International Index Attribution & Country Detail
As of September 30, 2019

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.4%	-0.9%	-0.7%
Consumer Discretionary	11.5%	0.3%	-2.0%
Consumer Staples	12.0%	1.9%	6.9%
Energy	5.1%	-6.5%	-14.5%
Financials	18.6%	-2.6%	-6.3%
Health Care	11.6%	2.4%	4.3%
Industrials	14.7%	-2.0%	-2.1%
Information Technology	6.7%	-0.5%	1.8%
Materials	7.0%	-5.4%	-5.7%
Real Estate	3.6%	-1.3%	4.3%
Utilities	3.8%	2.4%	13.2%
Total	100.0%	-1.1%	-1.3%

MSCI - ACWIxUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	6.8%	-2.9%	-1.0%
Consumer Discretionary	11.4%	-0.7%	-1.6%
Consumer Staples	10.2%	1.5%	6.8%
Energy	6.7%	-4.6%	-9.8%
Financials	21.6%	-3.6%	-3.2%
Health Care	8.5%	1.1%	0.9%
Industrials	11.9%	-2.5%	-2.4%
Information Technology	8.9%	2.2%	4.1%
Materials	7.3%	-6.5%	-7.2%
Real Estate	3.2%	-3.1%	5.0%
Utilities	3.5%	1.3%	12.6%
Total	100.0%	-1.8%	-1.2%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	11.6%	-5.2%	-2.5%
Consumer Discretionary	13.1%	-3.1%	0.1%
Consumer Staples	6.9%	-0.8%	3.0%
Energy	7.7%	-4.0%	-2.3%
Financials	24.7%	-8.0%	1.6%
Health Care	2.6%	-6.6%	-24.2%
Industrials	5.4%	-5.2%	-4.4%
Information Technology	15.1%	5.6%	3.9%
Materials	7.3%	-10.7%	-15.9%
Real Estate	2.9%	-8.8%	6.8%
Utilities	2.8%	-3.6%	7.2%
Total	100.0%	-4.2%	-2.0%

Country	MSCI-EAFE Weight	MSCI-ACWIxUS Weight	Quarter Return	1- Year Return
Japan	24.6%	16.5%	3.1%	-4.7%
United Kingdom	16.4%	11.0%	-2.5%	-2.9%
France	11.4%	7.6%	-1.7%	-1.6%
Switzerland	9.4%	6.3%	0.3%	12.0%
Germany	8.5%	5.7%	-4.0%	-7.1%
Australia	7.0%	4.7%	-1.4%	6.1%
Netherlands	4.0%	2.7%	2.4%	9.5%
Hong Kong	3.5%	2.4%	-11.9%	-1.8%
Spain	2.9%	2.0%	-3.8%	-3.5%
Sweden	2.6%	1.7%	-4.8%	-8.0%
Italy	2.3%	1.6%	-0.1%	3.9%
Denmark	1.8%	1.2%	-1.0%	2.3%
Singapore	1.3%	0.9%	-5.8%	-0.2%
Belgium	1.0%	0.7%	3.4%	-0.8%
Finland	1.0%	0.7%	-1.8%	-9.3%
Norway	0.7%	0.4%	-3.4%	-13.4%
Israel	0.6%	0.4%	-3.7%	-12.5%
Ireland	0.5%	0.4%	-0.6%	-4.6%
New Zealand	0.2%	0.2%	-2.9%	10.0%
Austria	0.2%	0.2%	-3.1%	-16.0%
Portugal	0.2%	0.1%	1.6%	-2.5%
Total EAFE Countries	100.0%	67.0%	-1.1%	-1.3%
Canada		7.0%	0.5%	3.0%
Total Developed Countries		74.0%	-0.9%	-1.0%
China		8.3%	-4.7%	-3.9%
Korea		3.2%	-4.5%	-13.8%
Taiwan		3.0%	5.2%	-0.2%
India		2.3%	-5.2%	4.7%
Brazil		2.0%	-4.6%	25.4%
South Africa		1.2%	-12.6%	-6.4%
Russia		1.0%	-1.4%	18.0%
Thailand		0.8%	-6.0%	-0.9%
Saudi Arabia		0.7%	-9.5%	4.0%
Mexico		0.7%	-1.7%	-14.8%
Indonesia		0.5%	-5.2%	11.9%
Malaysia		0.5%	-6.3%	-10.4%
Philippines		0.3%	-4.6%	13.1%
Poland		0.3%	-12.1%	-12.2%
Qatar		0.3%	-0.2%	5.0%
Chile		0.3%	-7.3%	-16.8%
United Arab Emirates		0.2%	-0.2%	-0.3%
Turkey		0.2%	11.7%	16.5%
Colombia		0.1%	-6.1%	-7.3%
Peru		0.1%	-9.3%	-4.0%
Greece		0.1%	-3.1%	6.8%
Hungary		0.1%	-3.9%	3.4%
Argentina		0.1%	-46.8%	-32.3%
Czech Republic		0.0%	-10.1%	-12.6%
Egypt		0.0%	7.4%	21.5%
Pakistan		0.0%	1.1%	-32.7%
Total Emerging Countries		26.0%	-4.2%	-2.0%
Total ACWIxUS Countries		100.0%	-1.8%	-1.2%

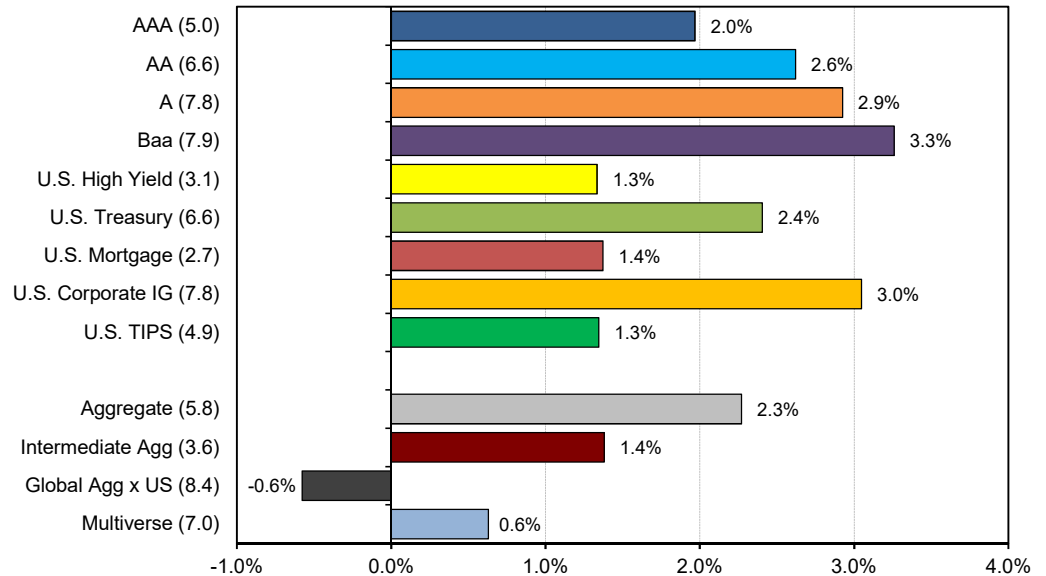
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

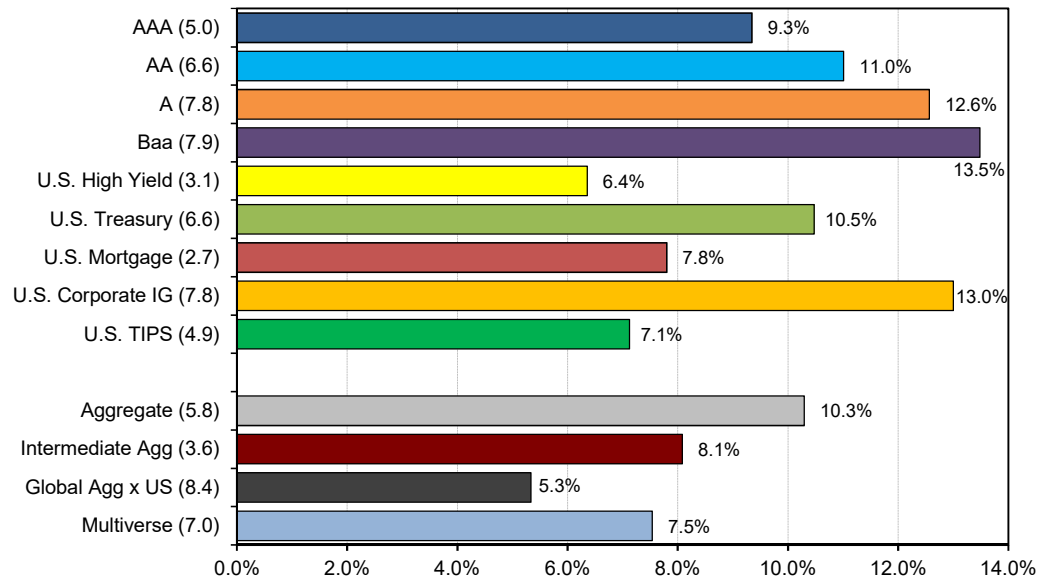


- Broad fixed income benchmarks continued their trend of 2019 gains during the 3rd quarter. Interest rates fell across the US Treasury Yield Curve through the quarter as the Fed continued to shift toward an easing of monetary policy in an attempt to combat slowing economic data. The Fed cut short-term interest rates twice during the period following their July and September meetings. In addition, it ended its balance sheet reduction plan in September which represents a further easing of monetary policy. After its September meeting, the Fed issued a statement commenting that future changes to monetary policy are not on a preset course and will be evaluated as the Fed receives new information on the state of the economy, but that Fed officials "will continue to monitor the implications of incoming information for the economic outlook and will act as appropriate to sustain the expansion." The Fed response provided market support in a quarter where we saw the formal inversion of the yield curve. Treasury yields on 2-year issues briefly surpassed the yield on 10-year issues in August. This inversion of the yield curve has historically preceded a recession within the next 6-24 months. However, the magnitude of the inversion was mild and short in duration with rates on the 10-year Treasury rising above the yield of the 2-year by early September. The bellwether Bloomberg Barclays US Aggregate Index posted positive returns for both the 3rd quarter and the 1-year period, returning 2.3% and 10.3% respectively.
- Within investment grade credit, lower quality issues outperformed higher quality issues during the quarter. Lower quality issues benefitted from their higher durations as interest rates fell during the quarter. On an absolute basis, without negating the duration differences in the sub-indices, Baa rated credit was the best performing investment grade credit quality segment returning 3.3% for the quarter, while AAA was the worst performing, returning 2.0%. High yield issues returned 1.3% for the quarter as these issues did not commensurately benefit from the drop in interest rates due to their relatively low durations. Returns over the 1-year period show lower quality securities outperforming higher quality issues with Baa rated issues returning 13.5% versus a 9.3% return for AAA securities.
- Investment grade corporates outperformed the more defensive Treasury and mortgage backed sectors of the Bloomberg Barclays US Aggregate Index's three broad sectors during the 3rd quarter. Investment grade corporate credit returned 3.0%, as they benefitted from their higher sensitivity to interest rates, low credit spreads and high investor demand for yield. When viewed over the 1-year period, corporate credit outperformed both Treasuries and mortgage backed securities. Corporate issues returned 13.0% versus a 7.8% return for mortgages and 10.5% gain on Treasury securities.

Quarter Performance

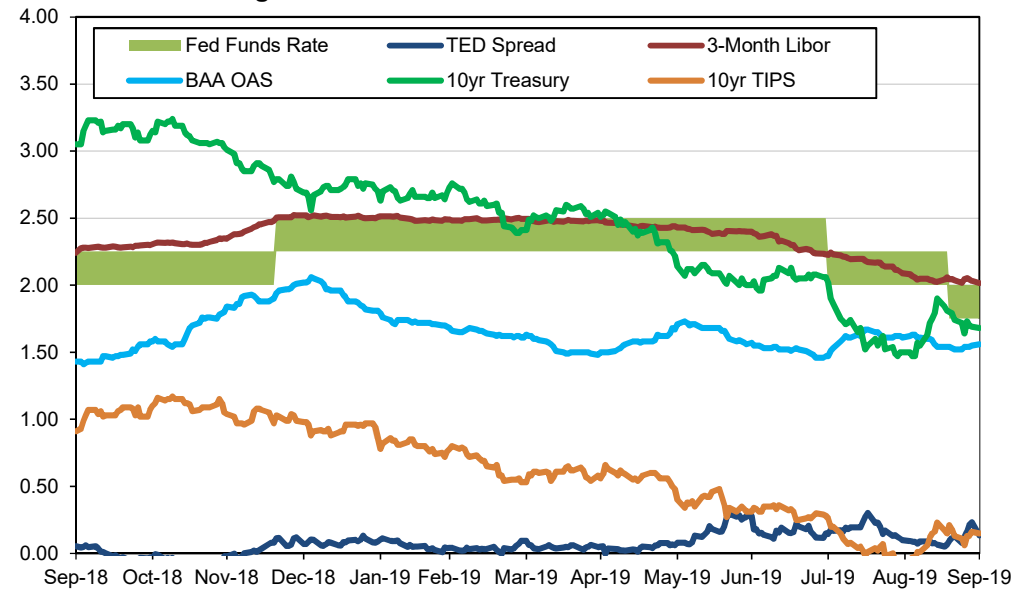


1-Year Performance

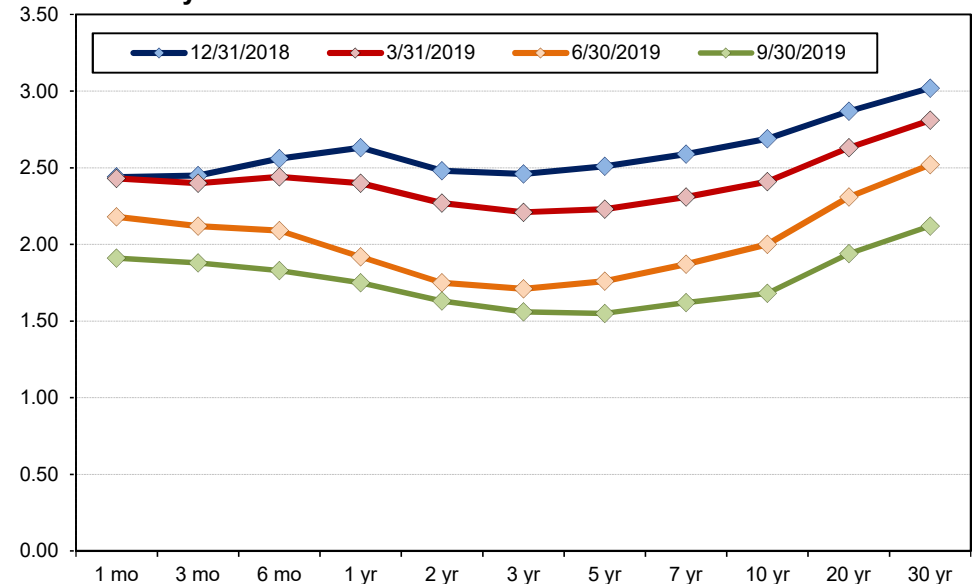


- Global fixed income returns underperformed their domestic counterparts during the 3rd quarter. These indices have lower, or in some cases (Germany, Japan), negative yields, but have higher durations. Given their higher durations, these issues would be expected to perform relatively well during periods of falling rates, however, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. As mentioned, the USD appreciated against most other developed currencies during the quarter, acting as a headwind to global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was -0.6%. Global bonds also trailed over the 1-year period with the Global Aggregate ex US Index returning 5.3% versus a 10.3% return on the domestically focused Bloomberg Barclays Aggregate Index. As global growth has shown signs of stalling, several international central banks have started to step back from more restrictive postures. The ECB and the PBoC have moved toward an easing of monetary policy and implemented various stimulus programs designed to support their respective economies. The Bank of England and the Bank of Japan made no major policy changes during the quarter as they continue to review macroeconomic data within their respective countries.
- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the line graphs to the right. The '1-Year Trailing Market Rates' chart illustrates that over the last year, the 10-year Treasury yield (green line) fell from high's greater than 3.0%, to yields below 1.5% before ending the quarter at 1.68%. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. This line illustrates an abrupt increase in credit spreads during the 4th quarter of 2018 as investors moved to higher quality assets during the quarter's risk-off environment. Subsequently, spreads declined steadily, remaining somewhat range bound with increases in May and August. There was little change through the quarter with spreads tightening by about 1 basis point. Spread tightening is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. The green band across the graph illustrates the decrease in the Federal Funds Rate due to the recent easing in US monetary policy. The rate cuts in July and September have pushed the Fed Funds Rate to 1-year lows.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. The downward shift in interest rates as well as a general flattening of the yield curve are clearly visible over the last quarter. As mentioned, the yield curve continues to invert as yields on shorter- and middle-term maturities fell less than interest rates at the long-end of the curve.

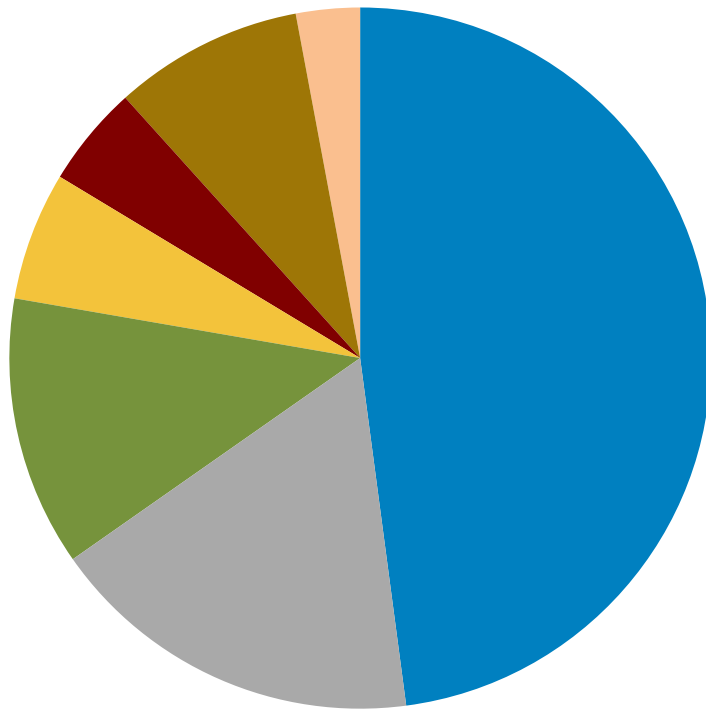
1-Year Trailing Market Rates



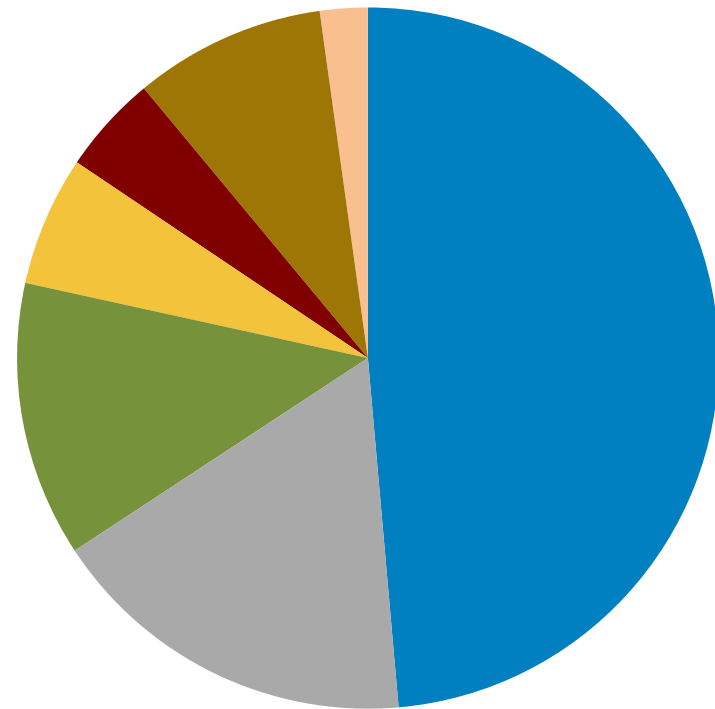
Treasury Yield Curve



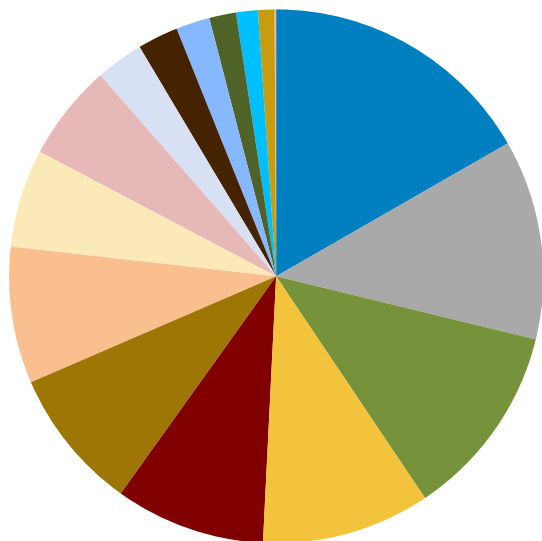
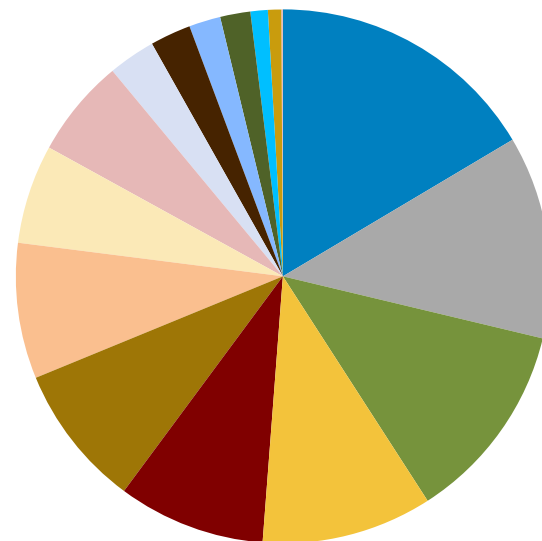
Asset Allocation By Segment as of
June 30, 2019 : \$122,346,397



Asset Allocation By Segment as of
September 30, 2019 : \$122,599,793



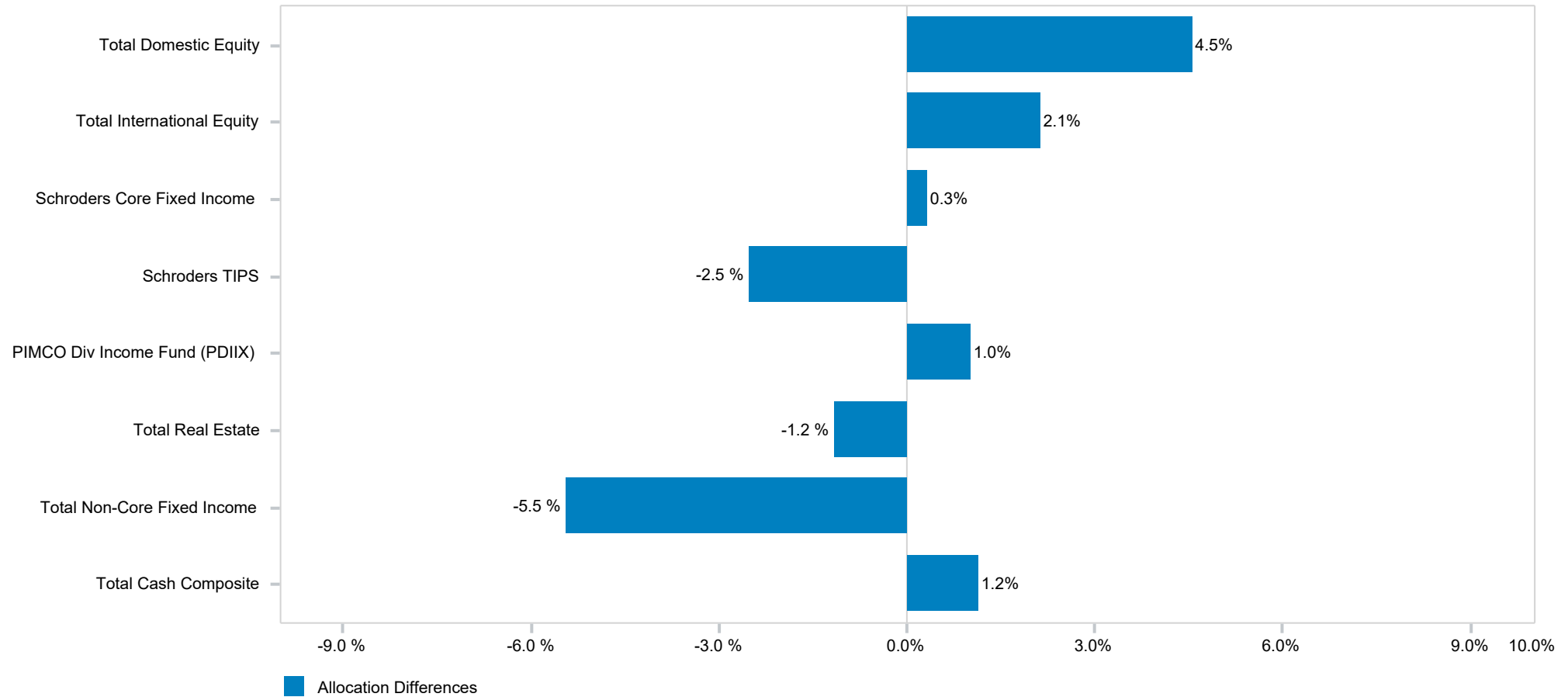
Allocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	58,610,460	47.9	Domestic Equity	59,592,951	48.6
International Equity	21,249,900	17.4	International Equity	21,014,778	17.1
Domestic Fixed Income	15,234,910	12.5	Domestic Fixed Income	15,565,071	12.7
Global Fixed Income	7,249,712	5.9	Global Fixed Income	7,338,146	6.0
Other Fixed Income	5,715,787	4.7	Other Fixed Income	5,568,960	4.5
Real Estate	10,682,932	8.7	Real Estate	10,820,468	8.8
Cash	3,602,696	2.9	Cash	2,699,419	2.2

Asset Allocation By Manager as of
June 30, 2019 : \$122,346,397Asset Allocation By Manager as of
September 30, 2019 : \$122,599,793

Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
DSM Large Cap Growth	20,424,415	16.7	DSM Large Cap Growth	20,169,522	16.5
Vanguard 500 Index Admiral (VFIAX)	14,809,051	12.1	Vanguard 500 Index Admiral (VFIAX)	15,059,484	12.3
Anchor All Cap Value Equity	14,435,413	11.8	Anchor All Cap Value Equity	14,904,338	12.2
Schroders Core Fixed Income	12,471,860	10.2	Schroders Core Fixed Income	12,653,889	10.3
American Funds EuroPacific Gr R6 (RERGX)	11,122,758	9.1	American Funds EuroPacific Gr R6 (RERGX)	10,945,872	8.9
Vanguard Mid-Cap Index Fund (VMCIX)	10,550,888	8.6	Vanguard Mid-Cap Index Fund (VMCIX)	10,614,578	8.7
WCM International Growth Fund (WCMIX)	10,127,142	8.3	WCM International Growth Fund (WCMIX)	10,068,906	8.2
PIMCO Diversified Income Fund (PDIIX)	7,272,311	5.9	PIMCO Diversified Income Fund (PDIIX)	7,359,854	6.0
Intercontinental	7,151,991	5.8	Intercontinental	7,319,971	6.0
ASB RE	3,530,942	2.9	ASB RE	3,500,497	2.9
Schroders TIPS	3,006,663	2.5	Schroders TIPS	3,023,060	2.5
Crescent Direct Lending Levered Fund	2,510,364	2.1	Crescent Direct Lending Levered Fund	2,342,395	1.9
Crescent Direct Lending Levered Fund II	1,983,128	1.6	Crescent Direct Lending Levered Fund II	2,242,641	1.8
Receipt & Disbursement	1,607,899	1.3	Receipt & Disbursement	1,291,023	1.1
LBC Credit Partners III	1,222,295	1.0	LBC Credit Partners III	983,924	0.8
Mutual Fund Cash	119,277	0.1	Mutual Fund Cash	119,840	0.1

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Asset Allocation versus Target Allocation



	Market Value \$	Allocation (%)	Target (%)
Total Domestic Equity	60,747,922	49.5	45.0
Total International Equity	21,014,778	17.1	15.0
Schroders Core Fixed Income	12,653,889	10.3	10.0
Schroders TIPS	3,023,060	2.5	5.0
PIMCO Div Income Fund (PDIIX)	7,359,854	6.0	5.0
Total Real Estate	10,820,468	8.8	10.0
Total Non-Core Fixed Income	5,568,960	4.5	10.0
Total Cash Composite	1,410,862	1.2	0.0
Total Fund	122,599,793	100.0	100.0

Asset Allocation History by Portfolio

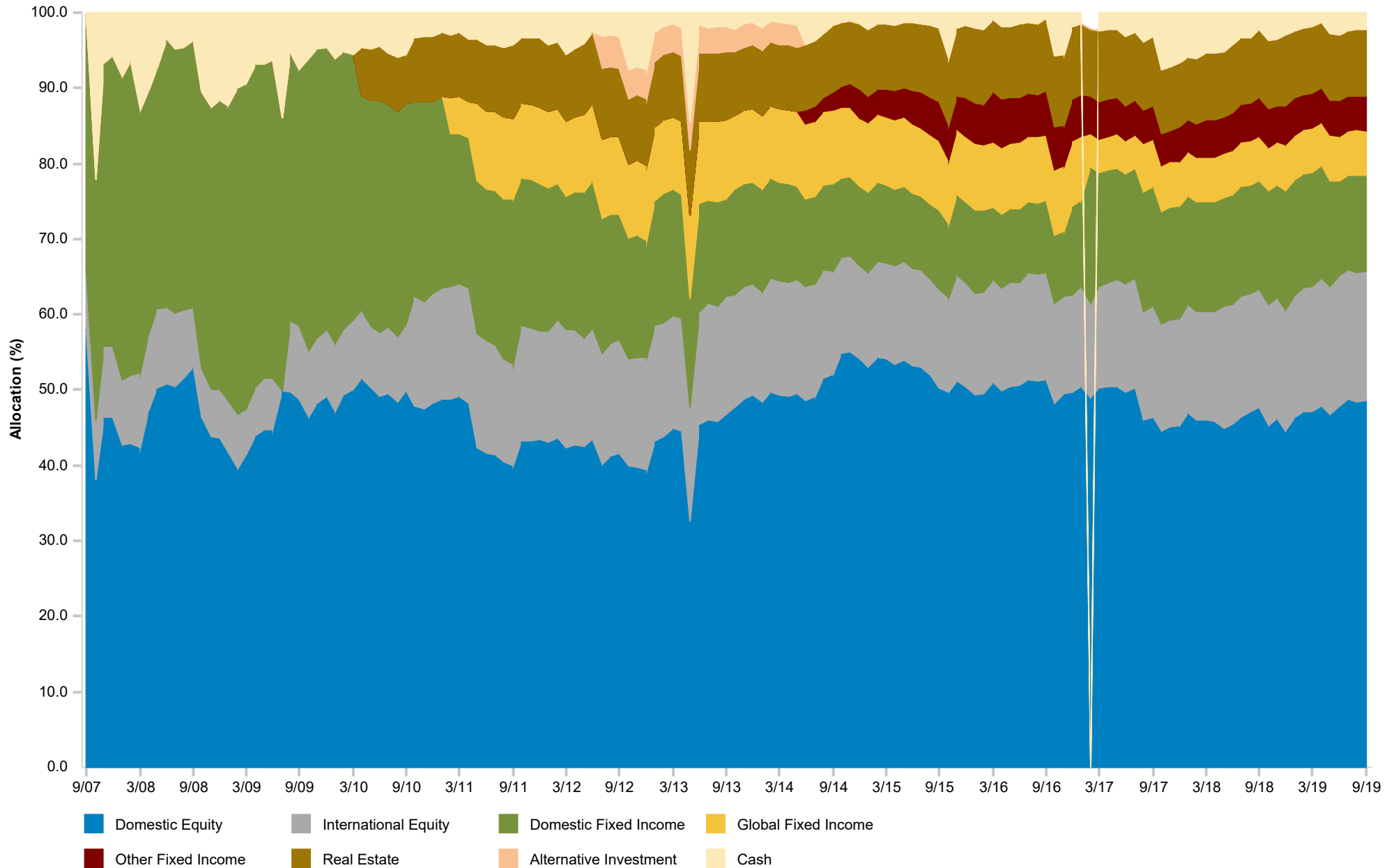
Total Fund

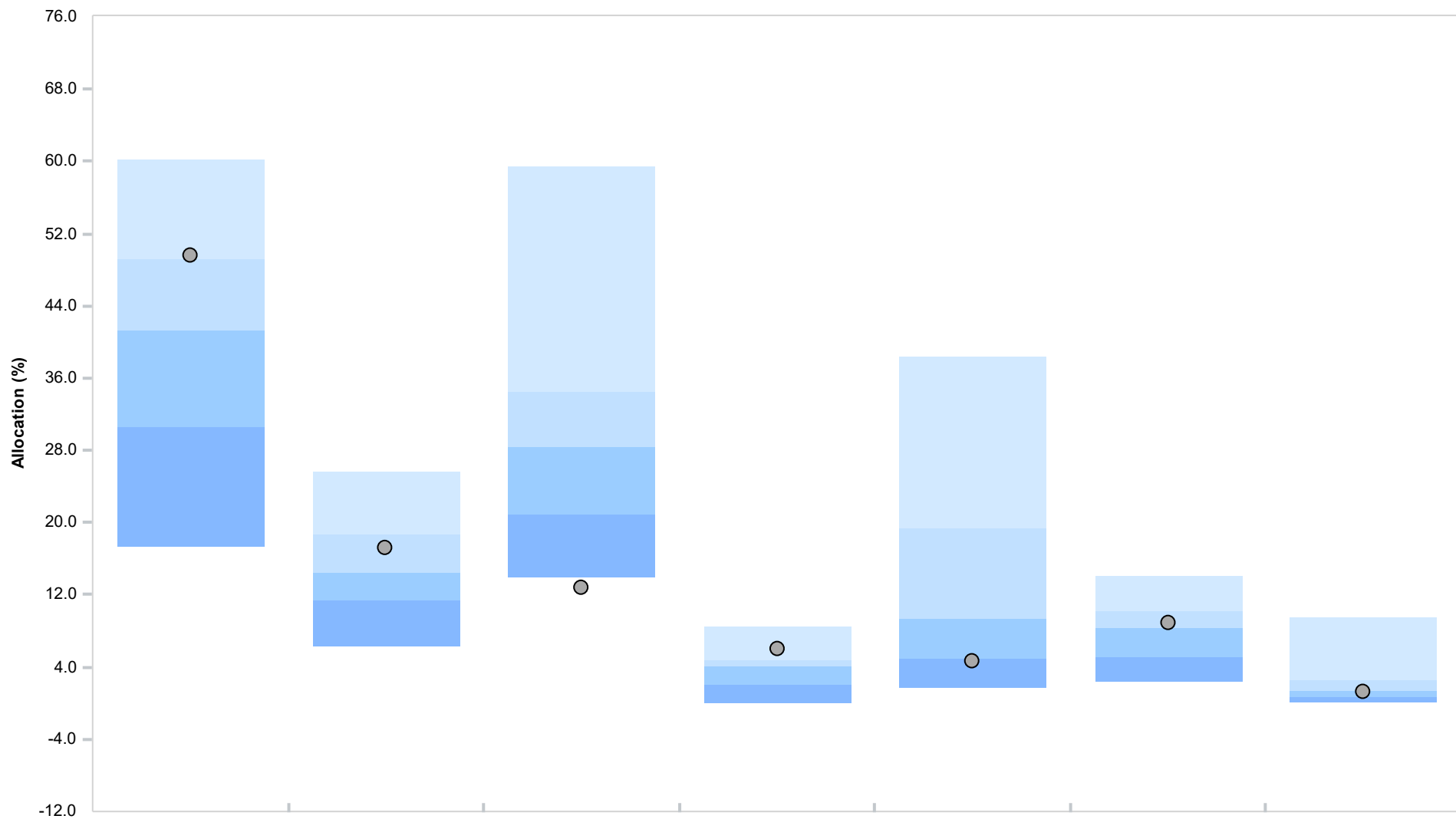
As of September 30, 2019

Asset Allocation Attributes										
	Sep-2019		Jun-2019		Mar-2019		Dec-2018		Sep-2018	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total Equity	81,762,700	66.69	81,469,667	66.59	77,661,645	64.81	67,684,212	61.48	73,715,284	64.27
Total Domestic Equity	60,747,922	49.55	60,219,768	49.22	57,740,782	48.19	50,060,470	45.47	55,653,632	48.52
Anchor All Cap Value Equity	14,904,338	12.16	14,435,413	11.80	14,001,577	11.68	12,513,282	11.37	14,165,016	12.35
Vanguard 500 Index Admiral (VFIAX)	15,059,484	12.28	14,809,051	12.10	14,198,730	11.85	12,493,839	11.35	12,429,163	10.84
DSM Large Cap Growth	20,169,522	16.45	20,424,415	16.69	19,430,818	16.22	16,396,640	14.89	18,818,978	16.41
Vanguard Mid-Cap Index Fund (VMCIX)	10,614,578	8.66	10,550,888	8.62	10,109,657	8.44	8,656,708	7.86	10,240,475	8.93
Total International Equity	21,014,778	17.14	21,249,900	17.37	19,920,863	16.62	17,623,742	16.01	18,061,651	15.75
American Funds EuroPacific Gr R6 (RERGX)	10,945,872	8.93	11,122,758	9.09	10,708,018	8.94	9,459,134	8.59	8,744,904	7.62
WCM International Growth Fund (WCMIX)	10,068,906	8.21	10,127,142	8.28	9,212,845	7.69	8,164,608	7.42	9,316,748	8.12
Total Fixed Income	28,605,763	23.33	28,466,621	23.27	30,838,501	25.74	30,121,017	27.36	29,311,653	25.56
Total Domestic Fixed Income	15,676,950	12.79	15,478,523	12.65	18,272,414	15.25	17,826,594	16.19	16,612,361	14.48
Schroders Core Fixed Income	12,653,889	10.32	12,471,860	10.19	12,171,088	10.16	11,878,562	10.79	11,667,175	10.17
Schroders TIPS	3,023,060	2.47	3,006,663	2.46	6,101,325	5.09	5,948,032	5.40	4,945,186	4.31
Total Global Fixed Income	7,359,854	6.00	7,272,311	5.94	7,020,608	5.86	6,634,649	6.03	6,719,084	5.86
PIMCO Diversified Income Fund (PDIIX)	7,359,854	6.00	7,272,311	5.94	7,020,608	5.86	6,634,649	6.03	6,719,084	5.86
Total Non-Core Fixed Income	5,568,960	4.54	5,715,787	4.67	5,545,479	4.63	5,659,775	5.14	5,980,208	5.21
LBC Credit Partners III	983,924	0.80	1,222,295	1.00	1,328,567	1.11	1,423,742	1.29	1,535,297	1.34
Crescent Direct Lending Levered Fund	2,342,395	1.91	2,510,364	2.05	2,709,502	2.26	2,770,923	2.52	3,145,457	2.74
Crescent Direct Lending Levered Fund II	2,242,641	1.83	1,983,128	1.62	1,507,410	1.26	1,465,110	1.33	1,299,454	1.13
Total Real Estate	10,820,468	8.83	10,682,933	8.73	10,553,593	8.81	10,369,002	9.42	10,230,078	8.92
Intercontinental	7,319,971	5.97	7,151,991	5.85	7,060,463	5.89	6,934,006	6.30	6,833,515	5.96
ASB RE	3,500,497	2.86	3,530,942	2.89	3,493,130	2.92	3,434,996	3.12	3,396,563	2.96
Cash										
Receipt & Disbursement	1,291,023	1.05	1,607,899	1.31	656,152	0.55	1,800,053	1.64	1,317,173	1.15
Mutual Fund Cash	119,840	0.10	119,277	0.10	118,670	0.10	118,074	0.11	117,533	0.10
Boynton Beach Firefighters' Total Fund	122,599,793	100.00	122,346,397	100.00	119,828,561	100.00	110,092,358	100.00	114,691,721	100.00



Asset Allocation Attributes





	US Equity	Intl. Equity	US Fixed Income	Intl. Fixed Income	Alternative Inv.	Real Estate	Cash
● Total Fund	49.55 (24)	17.14 (34)	12.79 (97)	6.00 (9)	4.54 (80)	8.83 (47)	1.15 (59)
5th Percentile	60.23	25.59	59.31	8.45	38.43	14.15	9.61
1st Quartile	49.17	18.63	34.41	4.84	19.33	10.23	2.54
Median	41.19	14.41	28.28	4.06	9.44	8.34	1.41
3rd Quartile	30.58	11.45	20.89	2.13	5.01	5.09	0.64
95th Percentile	17.28	6.25	14.01	0.05	1.74	2.42	0.07

Financial Reconciliation Quarter to Date								
	Market Value 07/01/2019	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 09/30/2019
Total Equity	81,469,667	41,268	-	-	-41,268	-	293,033	81,762,700
Total Domestic Equity	60,219,768	41,268	-	-	-41,268	-	528,154	60,747,922
Anchor All Cap Value Equity	14,435,413	-	-	-	-	-	468,925	14,904,338
Vanguard 500 Index Admiral (VFIAX)	14,809,051	-	-	-	-	-	250,433	15,059,484
DSM Large Cap Growth	20,424,415	41,268	-	-	-41,268	-	-254,893	20,169,522
Vanguard Mid-Cap Index Fund (VMCIX)	10,550,888	-	-	-	-	-	63,689	10,614,578
Total International Equity	21,249,900	-	-	-	-	-	-235,121	21,014,778
American Funds EuroPacific Gr R6 (RERGX)	11,122,758	-	-	-	-	-	-176,886	10,945,872
WCM International Growth Fund (WCMIX)	10,127,142	-	-	-	-	-	-58,235	10,068,906
Total Fixed Income	28,466,621	-146,827	-	-	-	-	285,969	28,605,763
Total Domestic Fixed Income	15,478,523	-	-	-	-	-	198,427	15,676,950
Schroders Core Fixed Income	12,471,860	-	-	-	-	-	182,029	12,653,889
Schroders TIPS	3,006,663	-	-	-	-	-	16,398	3,023,060
Total Global Fixed Income	7,272,311	-	-	-	-	-	87,542	7,359,854
PIMCO Diversified Income Fund (PDIIX)	7,272,311	-	-	-	-	-	87,542	7,359,854
Total Non-Core Fixed Income	5,715,787	-146,827	-	-	-	-	-	5,568,960
LBC Credit Partners III	1,222,295	-238,371	-	-	-	-	-	983,924
Crescent Direct Lending Levered Fund	2,510,364	-167,969	-	-	-	-	-	2,342,395
Crescent Direct Lending Levered Fund II	1,983,128	259,513	-	-	-	-	-	2,242,641
Total Real Estate	10,682,933	-	-	-	-22,004	-	159,538	10,820,468
Intercontinental	7,151,991	-	-	-	-10,971	-	178,951	7,319,971
ASB RE	3,530,942	-	-	-	-11,033	-	-19,413	3,500,497
Cash								
Receipt & Disbursement	1,607,899	105,558	1,219,996	-1,605,260	-	-41,404	4,233	1,291,023
Mutual Fund Cash	119,277	-	-	-	-	-	563	119,840
Boynton Beach Firefighters' Total Fund	122,346,397	-	1,219,996	-1,605,260	-63,272	-41,404	743,336	122,599,793

Financial Reconciliation Fiscal Year to Date
Total Fund

October 1, 2018 To September 30, 2019

Financial Reconciliation Fiscal Year to Date								
	Market Value 10/01/2018	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 09/30/2019
Total Equity	73,715,284	4,190,134	-	-	-190,134	-	4,047,416	81,762,700
Total Domestic Equity	55,653,632	2,190,134	-	-	-190,134	-	3,094,289	60,747,922
Anchor All Cap Value Equity	14,165,016	37,095	-	-	-37,095	-	739,322	14,904,338
Vanguard 500 Index Admiral (VFIAX)	12,429,163	2,000,000	-	-	-	-	630,320	15,059,484
DSM Large Cap Growth	18,818,978	153,039	-	-	-153,039	-	1,350,544	20,169,522
Vanguard Mid-Cap Index Fund (VMCIX)	10,240,475	-	-	-	-	-	374,103	10,614,578
Total International Equity	18,061,651	2,000,000	-	-	-	-	953,127	21,014,778
American Funds EuroPacific Gr R6 (RERGX)	8,744,904	2,000,000	-	-	-	-	200,968	10,945,872
WCM International Growth Fund (WCMIX)	9,316,748	-	-	-	-	-	752,158	10,068,906
Total Fixed Income	29,311,653	-2,814,141	-	-	-114,839	-46,048	2,269,139	28,605,763
Total Domestic Fixed Income	16,612,361	-2,150,120	-	-	-49,880	-	1,264,589	15,676,950
Schroders Core Fixed Income	11,667,175	44,394	-	-	-44,394	-	986,714	12,653,889
Schroders TIPS	4,945,186	-2,194,514	-	-	-5,486	-	277,875	3,023,060
Total Global Fixed Income	6,719,084	-	-	-	-	-	640,770	7,359,854
PIMCO Diversified Income Fund (PDIIX)	6,719,084	-	-	-	-	-	640,770	7,359,854
Total Non-Core Fixed Income	5,980,208	-664,021	-	-	-64,959	-46,048	363,780	5,568,960
LBC Credit Partners III	1,535,297	-538,125	-	-	-29,219	-32,373	48,344	983,924
Crescent Direct Lending Levered Fund	3,145,457	-952,607	-	-	-22,850	-8,463	180,858	2,342,395
Crescent Direct Lending Levered Fund II	1,299,454	826,711	-	-	-12,890	-5,212	134,578	2,242,641
Total Real Estate	10,230,078	-	-	-	-121,585	-	711,974	10,820,468
Intercontinental	6,833,515	-	-	-	-78,293	-	564,749	7,319,971
ASB RE	3,396,563	-	-	-	-43,292	-	147,225	3,500,497
Cash								
Receipt & Disbursement	1,317,173	-1,375,993	9,219,572	-7,638,291	-	-255,148	23,709	1,291,023
Mutual Fund Cash	117,533	-	-	-	-	-	2,307	119,840
Boynton Beach Firefighters' Total Fund	114,691,721	-	9,219,572	-7,638,291	-426,558	-301,196	7,054,545	122,599,793



Comparative Performance Trailing Returns

Total Fund

As of September 30, 2019

Comparative Performance Trailing Returns

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Total Fund (Net)	0.51	(75)	5.63	(12)	5.63	(12)	9.25	(9)	7.98	(2)	5.81	(80)	01/01/2002
Total Fund Policy	0.82	(51)	4.60	(32)	4.60	(32)	8.38	(28)	7.12	(14)	6.05	(71)	
Difference	-0.31		1.03		1.03		0.87		0.86		-0.24		
All Public Plans-Total Fund Median	0.82		4.00		4.00		7.87		6.30		6.35		
Total Fund (Gross)	0.61		6.07		6.07		9.70		8.43		6.11		01/01/2002
Total Fund Policy	0.82		4.60		4.60		8.38		7.12		6.05		
Difference	-0.21		1.47		1.47		1.32		1.31		0.06		
Total Equity	0.36		5.11		5.11		12.02		9.65		5.72		10/01/2007
Total Equity Policy	0.45		2.04		2.04		11.37		8.70		6.36		
Difference	-0.09		3.07		3.07		0.65		0.95		-0.64		
Total Domestic Equity	0.88	(44)	5.29	(20)	5.29	(20)	12.88	(31)	10.59	(23)	7.29	(43)	10/01/2007
Total Domestic Equity Policy	1.16	(35)	2.92	(35)	2.92	(35)	12.83	(31)	10.44	(24)	7.97	(29)	
Difference	-0.28		2.37		2.37		0.05		0.15		-0.68		
IM U.S. All Cap Equity (SA+CF+MF) Median	0.67		0.99		0.99		11.36		8.53		6.88		
Total International Equity	-1.11	(33)	4.58	(3)	4.58	(3)	9.51	(2)	6.43	(2)	-0.17	(75)	10/01/2007
Total International Equity Policy	-1.70	(69)	-0.72	(19)	-0.72	(19)	6.85	(11)	3.39	(25)	1.26	(35)	
Difference	0.59		5.30		5.30		2.66		3.04		-1.43		
IM International Multi-Cap Core Equity (MF) Median	-1.38		-2.72		-2.72		5.44		2.81		0.71		
Total Fixed Income	1.01	(95)	7.97	(53)	7.97	(53)	5.07	(1)	5.08	(1)	5.29	(3)	10/01/2007
Total Fixed Income Policy	1.25	(82)	7.82	(66)	7.82	(66)	2.18	(95)	2.54	(88)	3.62	(91)	
Difference	-0.24		0.15		0.15		2.89		2.54		1.67		
IM U.S. Intermediate Duration (SA+CF) Median	1.42		8.04		8.04		2.63		2.92		4.08		
Total Domestic Fixed Income	1.28	(81)	7.71	(75)	7.71	(75)	2.35	(90)	2.87	(58)	4.01	(58)	10/01/2007
Total Domestic Fixed Income Policy	1.38	(61)	7.93	(59)	7.93	(59)	2.36	(88)	2.69	(81)	3.73	(87)	
Difference	-0.10		-0.22		-0.22		-0.01		0.18		0.28		
IM U.S. Intermediate Duration (SA+CF) Median	1.42		8.04		8.04		2.63		2.92		4.08		
Total Global Fixed Income	1.20	(46)	9.54	(19)	9.54	(19)	7.27	(1)	4.79	(1)	5.13	(1)	03/01/2011
ICE BofAML Global Broad Market Index	0.88	(52)	7.97	(40)	7.97	(40)	1.68	(72)	2.17	(50)	2.26	(60)	
Difference	0.32		1.57		1.57		5.59		2.62		2.87		
IM Global Fixed Income (MF) Median	1.01		7.65		7.65		2.29		2.16		2.50		
Total Real Estate	1.49	(73)	7.00	(44)	7.00	(44)	8.73	(31)	10.55	(35)	11.60	(74)	04/01/2010
Total Real Estate Policy	1.38	(85)	6.16	(89)	6.16	(89)	7.59	(84)	9.59	(71)	11.85	(73)	
Difference	0.11		0.84		0.84		1.14		0.96		-0.25		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.75		6.88		6.88		8.42		9.92		12.66		

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



Comparative Performance Trailing Returns

Total Fund

As of September 30, 2019

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Domestic Equity													
Anchor All Cap Value Equity	3.25	(14)	5.22	(29)	5.22	(29)	9.98	(48)	8.27	(48)	12.67	(50)	08/01/2009
Russell 3000 Value Index	1.23	(46)	3.10	(44)	3.10	(44)	9.24	(61)	7.76	(54)	12.15	(64)	
Difference	2.02		2.12		2.12		0.74		0.51		0.52		
IM U.S. All Cap Value Equity (SA+CF) Median	1.04		0.51		0.51		9.80		8.09		12.63		
Vanguard 500 Index Admiral (VFIAX)	1.69	(15)	4.22	(16)	4.22	(16)	13.36	(8)	10.81	(4)	8.32	(5)	12/01/2007
S&P 500 Index	1.70	(8)	4.25	(10)	4.25	(10)	13.39	(1)	10.84	(1)	8.36	(1)	
Difference	-0.01		-0.03		-0.03		-0.03		-0.03		-0.04		
IM S&P 500 Index (MF) Median	1.62		3.94		3.94		13.03		10.42		7.91		
DSM Large Cap Growth	-1.25	(83)	7.18	(27)	7.18	(27)	17.24	(33)	13.89	(28)	15.02	(48)	11/01/2008
Russell 1000 Growth Index	1.49	(32)	3.71	(56)	3.71	(56)	16.89	(39)	13.39	(39)	15.44	(34)	
Difference	-2.74		3.47		3.47		0.35		0.50		-0.42		
IM U.S. Large Cap Growth Equity (SA+CF) Median	0.83		4.30		4.30		16.23		12.83		14.95		
Vanguard Mid-Cap Index Fund (VMCIX)	0.60	(62)	3.65	(22)	3.65	(22)	10.68	(20)	9.19	(18)	11.16	(13)	07/01/2013
CRSP U.S. Mid Cap TR Index	0.62	(60)	3.70	(21)	3.70	(21)	10.70	(19)	9.24	(16)	11.21	(11)	
Difference	-0.02		-0.05		-0.05		-0.02		-0.05		-0.05		
IM U.S. Mid Cap Core Equity (MF) Median	0.91		0.93		0.93		8.76		6.92		8.80		
International Equity													
WCM International Growth Fund (WCMIX)	-0.58	(25)	8.07	(2)	8.07	(2)	11.76	(1)	N/A		9.75	(1)	04/01/2015
MSCI AC World ex USA	-1.70	(64)	-0.72	(67)	-0.72	(67)	6.85	(48)	3.39	(62)	3.86	(43)	
Difference	1.12		8.79		8.79		4.91		N/A		5.89		
IM International Large Cap Growth Equity (MF) Median	-1.46		0.81		0.81		6.73		3.78		3.53		
American Funds EuroPacific Gr R6 (RERGX)	-1.59	(57)	1.14	(45)	1.14	(45)	7.38	(35)	N/A		4.62	(31)	04/01/2015
MSCI AC World ex USA	-1.70	(64)	-0.72	(67)	-0.72	(67)	6.85	(48)	3.39	(62)	3.86	(43)	
Difference	0.11		1.86		1.86		0.53		N/A		0.76		
IM International Large Cap Growth Equity (MF) Median	-1.46		0.81		0.81		6.73		3.78		3.53		

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



Comparative Performance Trailing Returns

Total Fund

As of September 30, 2019

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Domestic Fixed Income													
Schroders Core Fixed Income	1.46	(37)	8.46	(19)	8.46	(19)	2.54	(66)	3.08	(28)	4.19	(40)	04/01/2007
Schroders Core Fixed Income Policy	1.38	(60)	8.08	(45)	8.08	(45)	2.39	(87)	2.74	(75)	3.80	(86)	
Difference	0.08		0.38		0.38		0.15		0.34		0.39		
IM U.S. Intermediate Duration (SA+CF) Median	1.42		8.04		8.04		2.63		2.92		4.09		
Schroders TIPS	0.55		5.81		5.81		2.08		2.09		3.22		11/01/2007
Bloomberg Barclays U.S. TIPS Index	1.35		7.13		7.13		2.21		2.45		3.80		
Difference	-0.80		-1.32		-1.32		-0.13		-0.36		-0.58		
Blmbg. Barc. U.S. TIPS 1-10 Year	0.60		5.75		5.75		1.94		1.95		3.15		
Difference	-0.05		0.06		0.06		0.14		0.14		0.07		
Global Fixed Income													
PIMCO Diversified Income Fund (PDIIX)	1.20	(46)	9.54	(19)	9.54	(19)	5.75	(1)	5.66	(1)	5.75	(1)	03/01/2011
Blmbg. Barc. Global Credit (Hedged)	2.36	(10)	10.83	(12)	10.83	(12)	4.66	(5)	4.77	(1)	5.29	(1)	
Difference	-1.16		-1.29		-1.29		1.09		0.89		0.46		
IM Global Fixed Income (MF) Median	1.01		7.65		7.65		2.29		2.16		2.50		
Real Estate													
Intercontinental	2.50	(16)	8.32	(23)	8.32	(23)	10.50	(1)	11.74	(17)	12.47	(60)	04/01/2010
NCREIF ODCE	1.38	(85)	6.16	(89)	6.16	(89)	7.59	(84)	9.59	(71)	11.85	(73)	
Difference	1.12		2.16		2.16		2.91		2.15		0.62		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.75		6.88		6.88		8.42		9.92		12.66		
ASB RE	-0.55	(100)	4.34	(94)	4.34	(94)	5.38	(96)	8.28	(90)	9.62	(85)	10/01/2012
NCREIF ODCE	1.38	(85)	6.16	(89)	6.16	(89)	7.59	(84)	9.59	(71)	10.39	(73)	
Difference	-1.93		-1.82		-1.82		-2.21		-1.31		-0.77		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.75		6.88		6.88		8.42		9.92		11.25		

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 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



As of September 30, 2019

Comparative Performance - IRR				
	QTR	1 YR	Inception	Inception Date
Total Non-Core Fixed Income	0.00	4.62	7.93	06/23/2014
Crescent Direct Lending Levered Fund	0.00	5.80	7.70	10/01/2014
LBC Credit Partners III	0.00	-1.00	8.05	06/23/2014
Crescent Direct Lending Levered Fund II	0.00	7.42	8.83	03/14/2018

Comparative Performance Fiscal Year Returns

Total Fund

As of September 30, 2019

Comparative Performance Fiscal Year Returns

	FYTD	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Total Fund (Net)	5.63 (12)	9.07 (28)	13.17 (18)	11.68 (4)	0.79 (17)	10.27 (35)	13.19 (25)	16.85 (62)	-0.65 (60)	8.86 (66)
Total Fund Policy	4.60 (32)	8.74 (33)	11.94 (43)	10.90 (10)	-0.09 (34)	10.72 (27)	12.75 (32)	18.46 (26)	2.14 (7)	9.96 (35)
Difference	1.03	0.33	1.23	0.78	0.88	-0.45	0.44	-1.61	-2.79	-1.10
All Public Plans-Total Fund Median	4.00	7.86	11.60	9.29	-0.63	9.51	11.70	17.46	-0.32	9.34
Total Fund (Gross)	6.07	9.48	13.69	12.13	1.23	10.82	13.73	17.43	-0.15	9.37
Total Fund Policy	4.60	8.74	11.94	10.90	-0.09	10.72	12.75	18.46	2.14	9.96
Difference	1.47	0.74	1.75	1.23	1.32	0.10	0.98	-1.03	-2.29	-0.59
Total Equity	5.11	13.23	18.11	13.82	-0.96	13.04	21.99	24.13	-4.84	11.41
Total Equity Policy	2.04	13.62	19.14	13.68	-3.37	14.53	20.52	26.34	-2.27	10.41
Difference	3.07	-0.39	-1.03	0.14	2.41	-1.49	1.47	-2.21	-2.57	1.00
Total Domestic Equity	5.29 (20)	15.65 (47)	18.11 (51)	14.32 (22)	0.63 (32)	17.31 (33)	22.27 (58)	27.05 (50)	-1.98 (55)	13.08 (26)
Total Domestic Equity Policy	2.92 (35)	17.58 (34)	18.71 (44)	14.96 (16)	-0.49 (41)	17.76 (27)	21.60 (64)	30.20 (20)	0.55 (32)	10.96 (41)
Difference	2.37	-1.93	-0.60	-0.64	1.12	-0.45	0.67	-3.15	-2.53	2.12
IM U.S. All Cap Equity (SA+CF+MF) Median	0.99	15.09	18.19	11.49	-1.47	15.77	23.35	26.94	-1.62	10.02
Total International Equity	4.58 (3)	6.33 (3)	18.10 (68)	11.88 (6)	-7.06 (41)	-0.43 (98)	20.93 (51)	15.82 (37)	-13.23 (80)	2.52 (76)
Total International Equity Policy	-0.72 (19)	2.25 (31)	20.15 (26)	9.80 (15)	-11.78 (88)	5.22 (32)	16.98 (78)	15.04 (49)	-10.42 (34)	6.90 (30)
Difference	5.30	4.08	-2.05	2.08	4.72	-5.65	3.95	0.78	-2.81	-4.38
IM International Multi-Cap Core Equity (MF) Median	-2.72	1.54	18.95	6.21	-8.02	4.34	21.03	14.97	-11.10	4.36
Total Fixed Income	7.97	1.77	5.56	7.92	2.33	6.10	0.12	8.83	1.60	8.25
Total Fixed Income Policy	7.82	-0.70	-0.37	5.57	0.64	2.14	-2.55	5.71	5.45	7.78
Difference	0.15	2.47	5.93	2.35	1.69	3.96	2.67	3.12	-3.85	0.47
Total Domestic Fixed Income	7.71 (75)	-0.56 (69)	0.10 (93)	4.40 (24)	2.92 (34)	3.13 (38)	-0.67 (75)	5.88 (44)	3.91 (39)	8.25 (51)
Total Domestic Fixed Income Policy	7.93 (59)	-0.71 (82)	0.09 (93)	4.07 (39)	2.32 (73)	2.55 (68)	-1.62 (99)	5.11 (64)	5.16 (8)	7.78 (68)
Difference	-0.22	0.15	0.01	0.33	0.60	0.58	0.95	0.77	-1.25	0.47
IM U.S. Intermediate Duration (SA+CF) Median	8.04	-0.39	0.69	3.90	2.70	2.88	-0.27	5.57	3.61	8.25
Total Global Fixed Income	9.54 (19)	0.88 (11)	11.69 (1)	6.97 (59)	-4.30 (59)	6.22 (13)	1.63 (6)	14.77 (3)	N/A	N/A
ICE BofAML Global Broad Market Index	7.97 (40)	-1.38 (54)	-1.29 (90)	8.56 (32)	-2.44 (32)	1.45 (79)	-2.65 (60)	5.10 (85)	4.18 (8)	6.22 (76)
Difference	1.57	2.26	12.98	-1.59	-1.86	4.77	4.28	9.67	N/A	N/A
IM Global Fixed Income (MF) Median	7.65	-1.29	1.02	7.42	-3.85	3.37	-1.81	7.17	1.74	7.68
Total Real Estate	7.00 (44)	10.34 (25)	8.89 (36)	12.33 (34)	14.34 (67)	13.66 (36)	16.37 (19)	12.16 (57)	16.52 (54)	N/A
Total Real Estate Policy	6.16 (89)	8.82 (59)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (63)	18.03 (44)	6.14 (55)
Difference	0.84	1.52	1.08	1.71	-0.37	1.27	3.90	0.39	-1.51	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	6.88	9.04	8.29	11.32	15.45	12.78	13.18	12.87	16.96	6.43

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 . Non-Core Fixed Income reported on IRR page.



Comparative Performance Fiscal Year Returns

Total Fund

As of September 30, 2019

	FYTD	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Domestic Equity										
Anchor All Cap Value Equity	5.22 (29)	11.17 (58)	13.73 (85)	20.49 (11)	-7.19 (83)	17.85 (22)	22.80 (73)	23.97 (75)	3.61 (16)	12.47 (45)
Russell 3000 Value Index	3.10 (44)	9.46 (75)	15.53 (72)	16.38 (30)	-4.22 (66)	17.66 (25)	22.67 (73)	31.05 (20)	-2.22 (63)	9.15 (74)
Difference	2.12	1.71	-1.80	4.11	-2.97	0.19	0.13	-7.08	5.83	3.32
IM U.S. All Cap Value Equity (SA+CF) Median	0.51	11.91	17.71	14.43	-2.86	15.29	26.31	27.69	-1.20	11.36
Dalton All Cap Value Equity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.28 (82)	-5.44 (91)	17.46 (15)
Russell 3000 Value Index	3.10 (44)	9.46 (75)	15.53 (72)	16.38 (30)	-4.22 (66)	17.66 (25)	22.67 (73)	31.05 (20)	-2.22 (63)	9.15 (74)
Difference	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-8.77	-3.22	8.31
IM U.S. All Cap Value Equity (SA+CF) Median	0.51	11.91	17.71	14.43	-2.86	15.29	26.31	27.69	-1.20	11.36
Vanguard 500 Index Admiral (VFIAX)	4.22 (16)	17.87 (9)	18.57 (6)	15.39 (9)	-0.60 (1)	19.65 (7)	19.31 (3)	29.99 (18)	0.99 (16)	10.16 (4)
S&P 500 Index	4.25 (10)	17.91 (2)	18.61 (2)	15.43 (4)	-0.61 (2)	19.73 (1)	19.34 (1)	30.20 (1)	1.14 (2)	10.16 (4)
Difference	-0.03	-0.04	-0.04	-0.04	0.01	-0.08	-0.03	-0.21	-0.15	0.00
IM S&P 500 Index (MF) 1st Quartile	4.17	17.72	18.42	15.25	-0.79	19.48	19.10	29.93	0.90	9.96
DSM Large Cap Growth	7.18 (27)	19.63 (75)	25.69 (8)	9.51 (74)	8.57 (6)	17.22 (61)	19.76 (57)	35.68 (4)	-0.82 (73)	17.48 (9)
Russell 1000 Growth Index	3.71 (56)	26.30 (36)	21.94 (37)	13.76 (23)	3.17 (54)	19.15 (40)	19.27 (64)	29.19 (39)	3.78 (30)	12.65 (36)
Difference	3.47	-6.67	3.75	-4.25	5.40	-1.93	0.49	6.49	-4.60	4.83
IM U.S. Large Cap Growth Equity (SA+CF) Median	4.30	24.41	20.81	11.62	3.55	18.18	20.25	27.68	1.38	11.29
Vanguard Mid-Cap Index Fund (VMCIX)	3.65 (22)	13.45 (29)	15.31 (49)	12.65 (38)	1.61 (23)	15.89 (14)	N/A	N/A	N/A	N/A
CRSP U.S. Mid Cap TR Index	3.70 (21)	13.44 (29)	15.33 (48)	12.68 (37)	1.76 (21)	15.94 (14)	28.08 (42)	26.23 (50)	-0.18 (21)	18.04 (10)
Difference	-0.05	0.01	-0.02	-0.03	-0.15	-0.05	N/A	N/A	N/A	N/A
IM U.S. Mid Cap Core Equity (MF) Median	0.93	10.79	15.28	11.77	-1.16	12.42	27.52	26.18	-3.68	13.75
International Equity										
Manning & Napier Overseas (EXOSX)	N/A	N/A	N/A	N/A	N/A	-0.43 (98)	20.93 (51)	16.04 (34)	-12.54 (71)	2.52 (76)
Total International Equity Policy	-0.72 (19)	2.25 (31)	20.15 (26)	9.80 (15)	-11.78 (88)	5.22 (32)	16.98 (78)	15.04 (49)	-10.42 (34)	6.90 (30)
Difference	N/A	N/A	N/A	N/A	N/A	-5.65	3.95	1.00	-2.12	-4.38
IM International Multi-Cap Core Equity (MF) Median	-2.72	1.54	18.95	6.21	-8.02	4.34	21.03	14.97	-11.10	4.36
American Funds EuroPacific Gr R6 (RERGX)	1.14 (45)	1.47 (59)	20.63 (8)	8.52 (38)	N/A	N/A	N/A	N/A	N/A	N/A
MSCI AC World ex USA	-0.72 (67)	2.25 (50)	20.15 (19)	9.80 (27)	-11.78 (89)	5.22 (29)	16.98 (58)	15.04 (76)	-10.42 (46)	8.00 (47)
Difference	1.86	-0.78	0.48	-1.28	N/A	N/A	N/A	N/A	N/A	N/A
IM International Large Cap Growth Equity (MF) Median	0.81	2.20	17.85	7.77	-5.68	4.23	17.85	17.92	-10.80	7.32
WCM International Growth Fund (WCMIX)	8.07 (2)	11.23 (1)	16.14 (71)	14.84 (7)	N/A	N/A	N/A	N/A	N/A	N/A
MSCI AC World ex USA	-0.72 (67)	2.25 (50)	20.15 (19)	9.80 (27)	-11.78 (89)	5.22 (29)	16.98 (58)	15.04 (76)	-10.42 (46)	8.00 (47)
Difference	8.79	8.98	-4.01	5.04	N/A	N/A	N/A	N/A	N/A	N/A
IM International Large Cap Growth Equity (MF) Median	0.81	2.20	17.85	7.77	-5.68	4.23	17.85	17.92	-10.80	7.32

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Comparative Performance Fiscal Year Returns

Total Fund

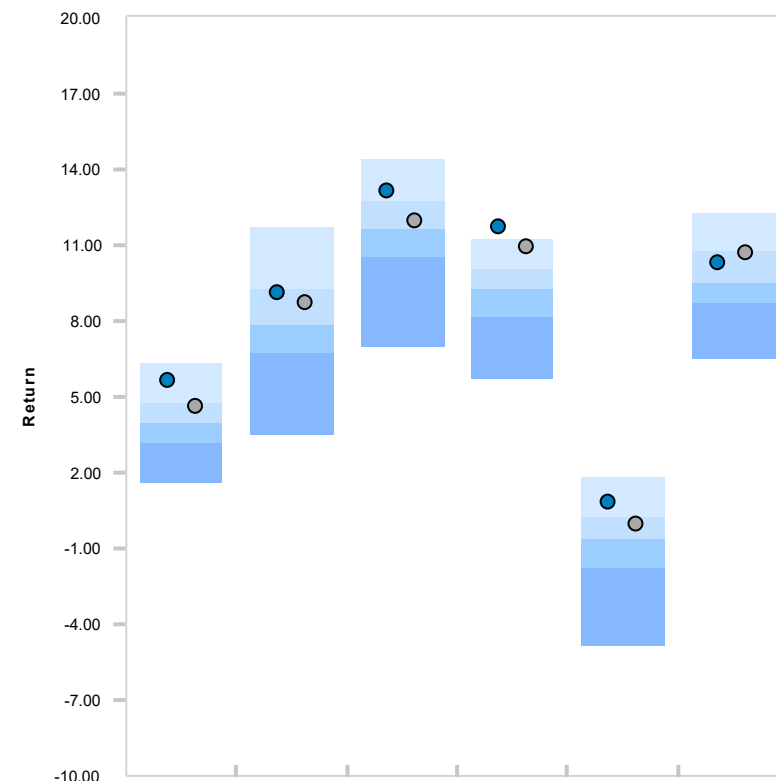
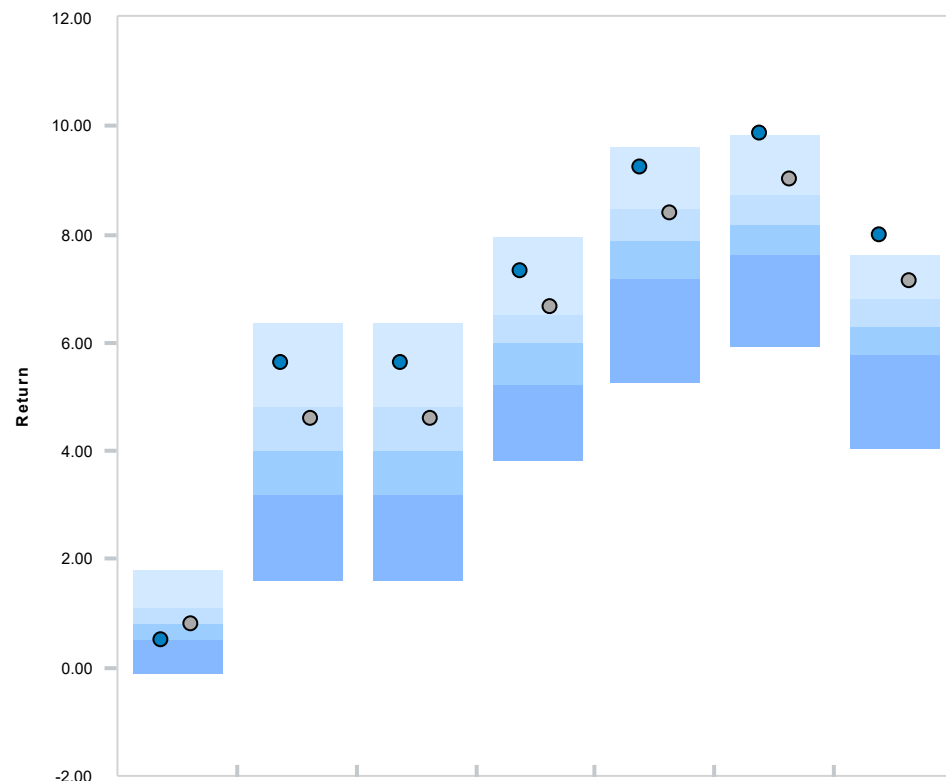
As of September 30, 2019

	FYTD	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010
Domestic Fixed Income										
Schroders Core Fixed Income	8.46 (19)	-0.95 (96)	0.37 (77)	4.31 (27)	3.50 (7)	3.46 (28)	0.04 (32)	5.63 (47)	3.20 (71)	8.34 (45)
Schroders Core Fixed Income Policy	8.08 (45)	-0.93 (95)	0.25 (87)	3.57 (73)	2.95 (32)	2.74 (58)	-0.71 (77)	4.31 (84)	4.22 (23)	7.52 (77)
Difference	0.38	-0.02	0.12	0.74	0.55	0.72	0.75	1.32	-1.02	0.82
IM U.S. Intermediate Duration (SA+CF) Median	8.04	-0.39	0.69	3.90	2.70	2.88	-0.27	5.57	3.61	8.25
Schroders TIPS	5.81	0.36	0.16	5.19	-0.85	0.77	-4.47	6.96	7.69	7.59
Bloomberg Barclays U.S. TIPS Index	7.13	0.41	-0.73	6.58	-0.83	1.59	-6.10	9.10	9.87	8.89
Difference	-1.32	-0.05	0.89	-1.39	-0.02	-0.82	1.63	-2.14	-2.18	-1.30
Blmbg. Barc. U.S. TIPS 1-10 Year	5.75	0.33	-0.14	4.83	-0.82	0.61	-3.90	6.32	7.19	7.40
Difference	0.06	0.03	0.30	0.36	-0.03	0.16	-0.57	0.64	0.50	0.19
Global Fixed Income										
PIMCO Diversified Income Fund (PDIIX)	9.54 (19)	0.88 (11)	7.03 (2)	12.59 (2)	-1.10 (26)	6.09 (16)	0.35 (22)	16.25 (2)	N/A	N/A
Blmbg. Barc. Global Credit (Hedged)	10.83 (12)	0.39 (17)	3.04 (27)	9.19 (25)	0.86 (18)	6.83 (9)	1.46 (8)	11.61 (5)	1.69 (53)	11.05 (28)
Difference	-1.29	0.49	3.99	3.40	-1.96	-0.74	-1.11	4.64	N/A	N/A
IM Global Fixed Income (MF) Median	7.65	-1.29	1.02	7.42	-3.85	3.37	-1.81	7.17	1.74	7.68
Templeton Global Bond Fund (FBNRX)	N/A	N/A	N/A	0.84 (100)	-7.57 (92)	6.35 (11)	3.52 (2)	13.25 (3)	N/A	N/A
FTSE World Government Bond Index	8.13 (39)	-1.54 (55)	-2.69 (94)	9.71 (20)	-3.83 (50)	-0.07 (96)	-4.60 (82)	3.29 (96)	4.61 (8)	4.99 (88)
Difference	N/A	N/A	N/A	-8.87	-3.74	6.42	8.12	9.96	N/A	N/A
IM Global Fixed Income (MF) Median	7.65	-1.29	1.02	7.42	-3.85	3.37	-1.81	7.17	1.74	7.68
Real Estate										
Intercontinental	8.32 (23)	11.41 (8)	11.82 (7)	13.30 (23)	13.96 (69)	14.10 (30)	18.21 (10)	12.21 (57)	16.52 (54)	N/A
NCREIF ODCE	6.16 (89)	8.82 (59)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (63)	18.03 (44)	6.14 (55)
Difference	2.16	2.59	4.01	2.68	-0.75	1.71	5.74	0.44	-1.51	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	6.88	9.04	8.29	11.32	15.45	12.78	13.18	12.87	16.96	6.43
ASB RE	4.34 (94)	8.27 (70)	3.59 (100)	10.61 (69)	15.01 (60)	12.85 (50)	13.20 (50)	N/A	N/A	N/A
NCREIF ODCE	6.16 (89)	8.82 (59)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (63)	18.03 (44)	6.14 (55)
Difference	-1.82	-0.55	-4.22	-0.01	0.30	0.46	0.73	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	6.88	9.04	8.29	11.32	15.45	12.78	13.18	12.87	16.96	6.43

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 . Non-Core Fixed income reported on IRR page.



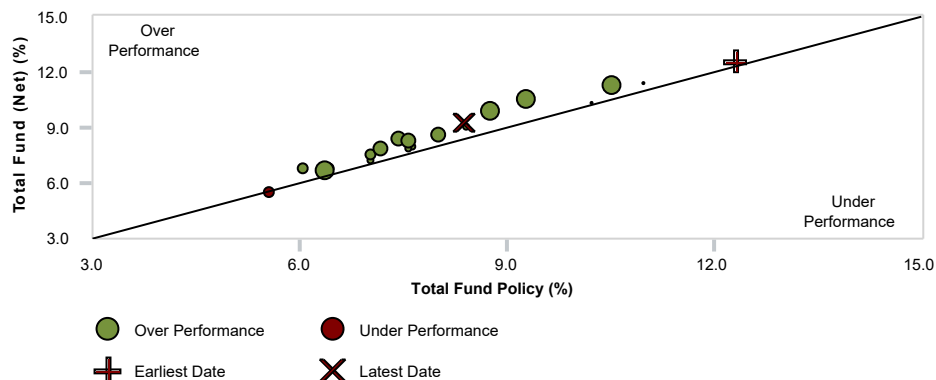
Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund



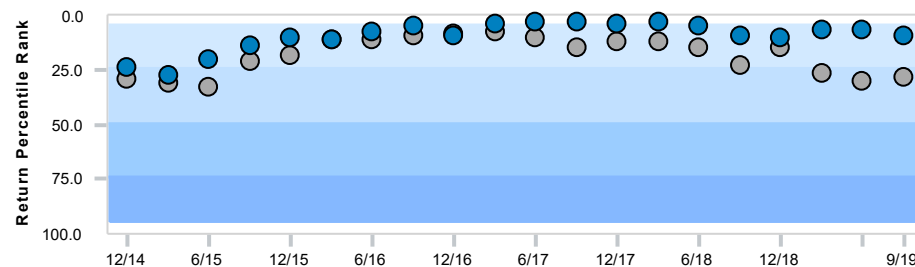
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
Total Fund (Net)	3.95 (6)	10.09 (11)	-8.16 (47)	3.34 (39)	1.64 (31)	0.45 (8)
Total Fund Policy	3.37 (42)	8.73 (57)	-7.69 (37)	3.45 (35)	1.53 (36)	-0.36 (40)
All Public Plans-Total Fund Median	3.34	8.88	-8.28	3.26	1.22	-0.49

3 Yr Rolling Under/Over Performance - 5 Years

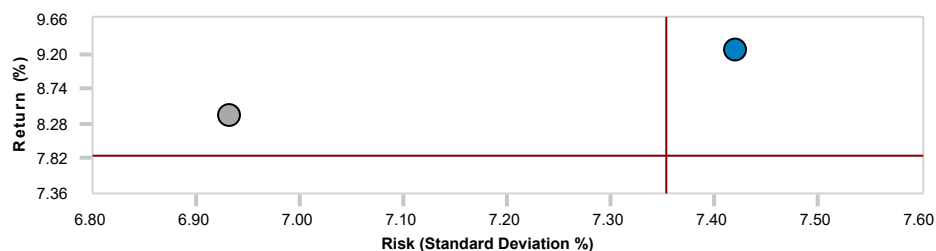


3 Yr Rolling Percentile Ranking - 5 Years



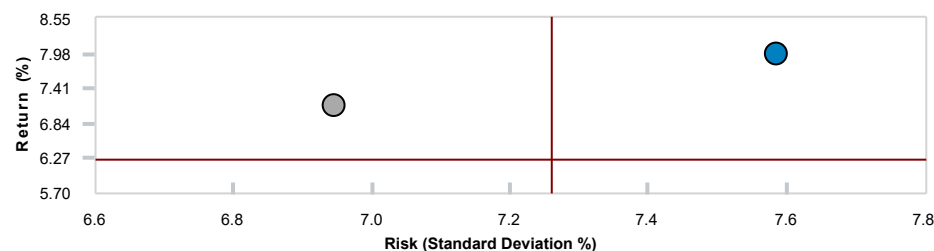
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Total Fund (Net)	20	19 (95%)	1 (5%)	0 (0%)	0 (0%)
Total Fund Policy	20	14 (70%)	6 (30%)	0 (0%)	0 (0%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
Total Fund (Net)	9.25	7.42
Total Fund Policy	8.38	6.93
Median	7.87	7.35

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
Total Fund (Net)	7.98	7.59
Total Fund Policy	7.12	6.95
Median	6.26	7.26

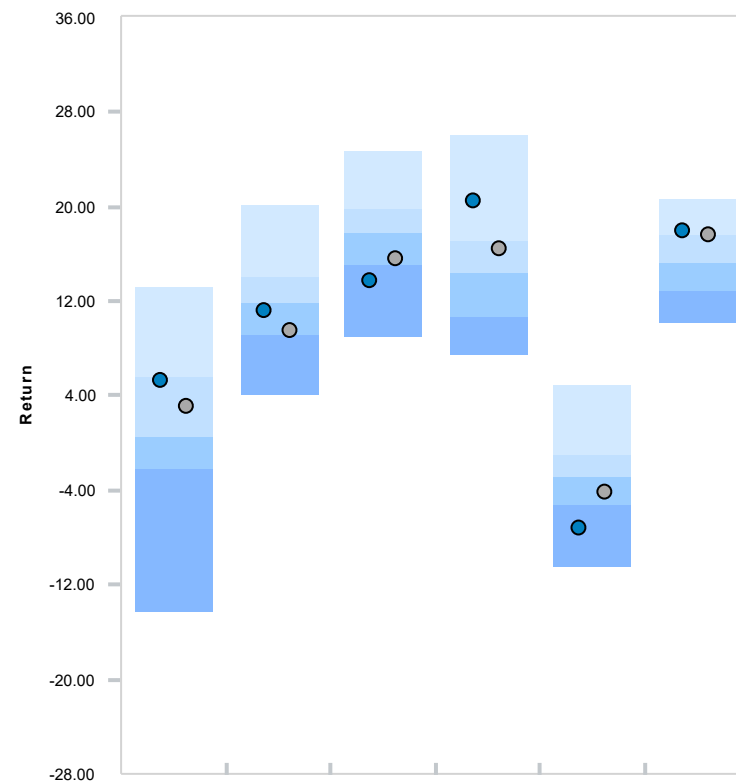
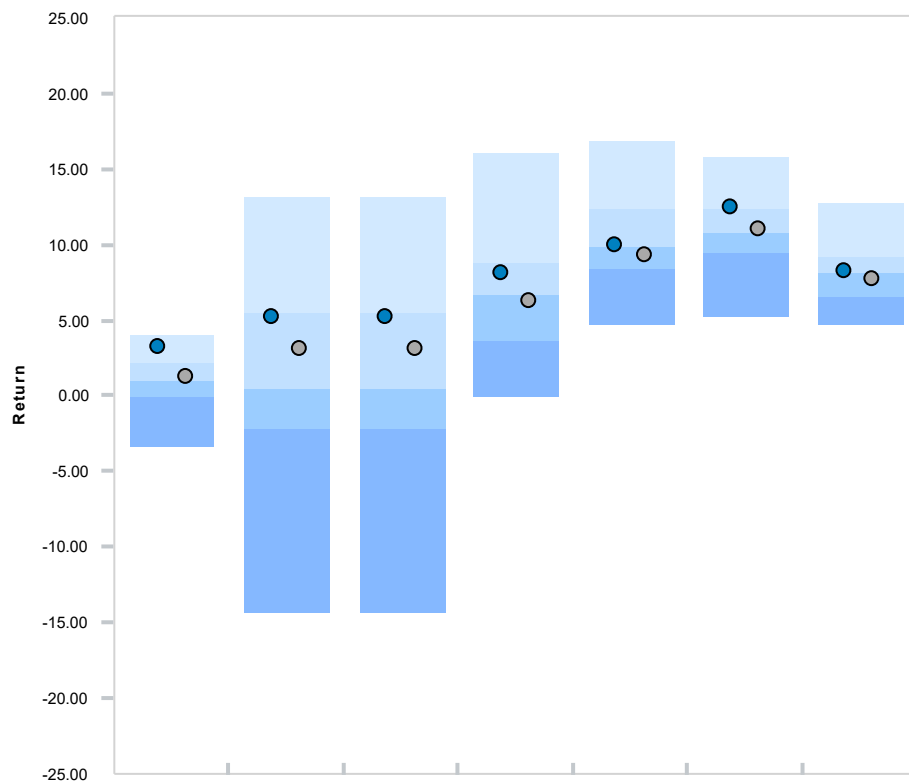
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund (Net)	1.11	107.48	103.87	0.34	0.75	1.03	1.06	4.81
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	0.98	1.00	4.51

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund (Net)	1.20	108.95	105.53	0.26	0.71	0.93	1.08	4.69
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	0.89	1.00	4.28

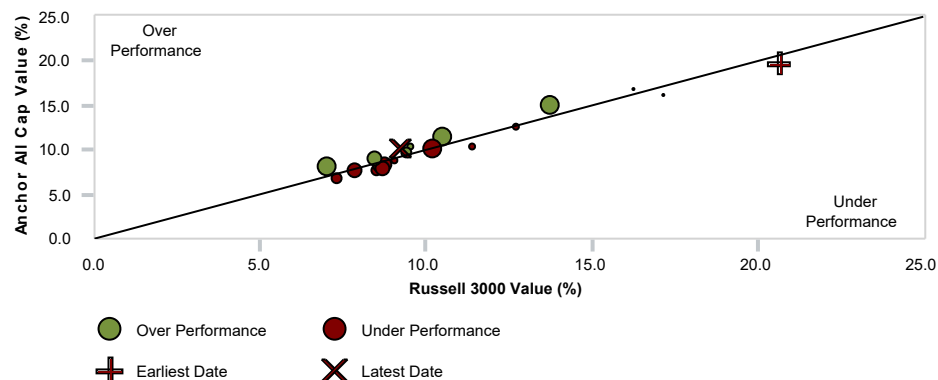
Peer Group Analysis - IM U.S. All Cap Value Equity (SA+CF)



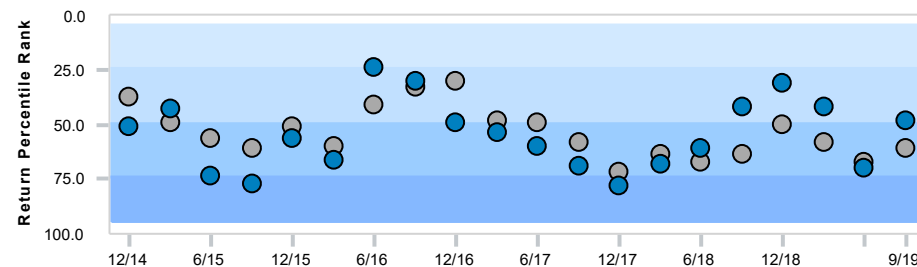
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
Anchor All Cap Value	3.10 (69)	11.89 (60)	-11.66 (21)	6.43 (17)	2.23 (52)	-0.67 (25)
Russell 3000 Value	3.68 (55)	11.93 (60)	-12.24 (23)	5.39 (42)	1.71 (67)	-2.82 (76)
IM U.S. All Cap Value Equity (SA+CF) Median	3.90	12.45	-14.56	4.99	2.33	-1.82

3 Yr Rolling Under/Over Performance - 5 Years

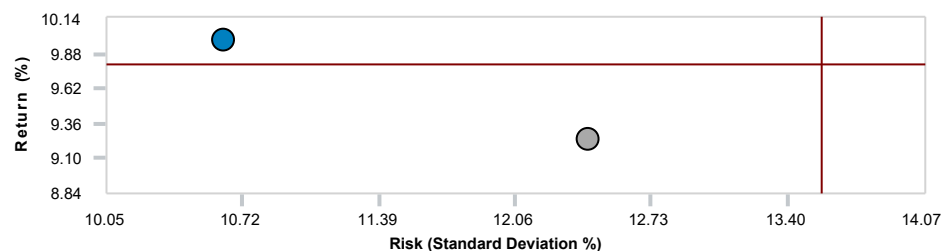


3 Yr Rolling Percentile Ranking - 5 Years



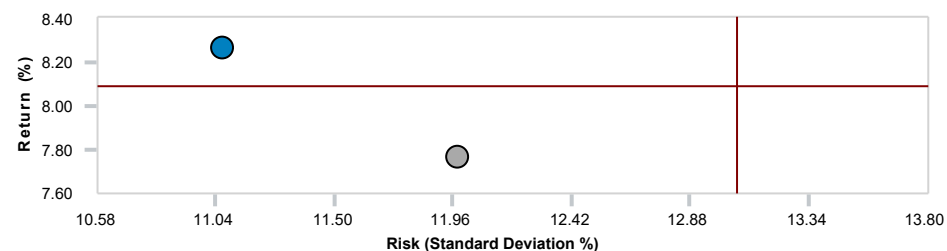
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Anchor All Cap Value	20	1 (5%)	7 (35%)	10 (50%)	2 (10%)
Russell 3000 Value	20	0 (0%)	8 (40%)	12 (60%)	0 (0%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
Anchor All Cap Value	9.98	10.63
Russell 3000 Value	9.24	12.42
Median	9.80	13.57

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
Anchor All Cap Value	8.27	11.07
Russell 3000 Value	7.76	11.98
Median	8.09	13.06

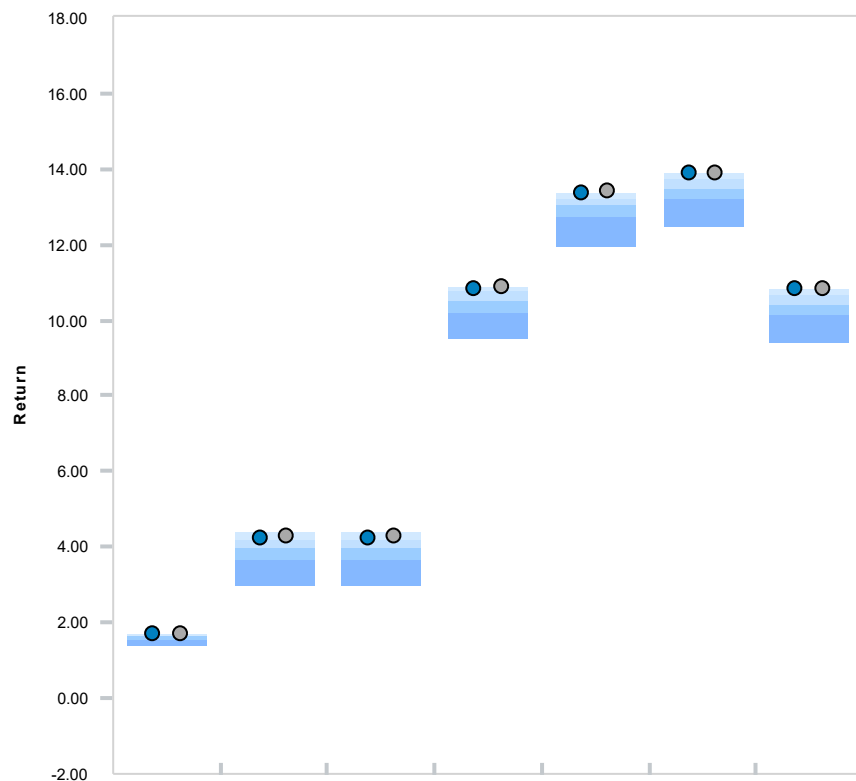
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	4.04	89.19	76.47	2.30	0.12	0.81	0.81	7.06
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	0.65	1.00	8.34

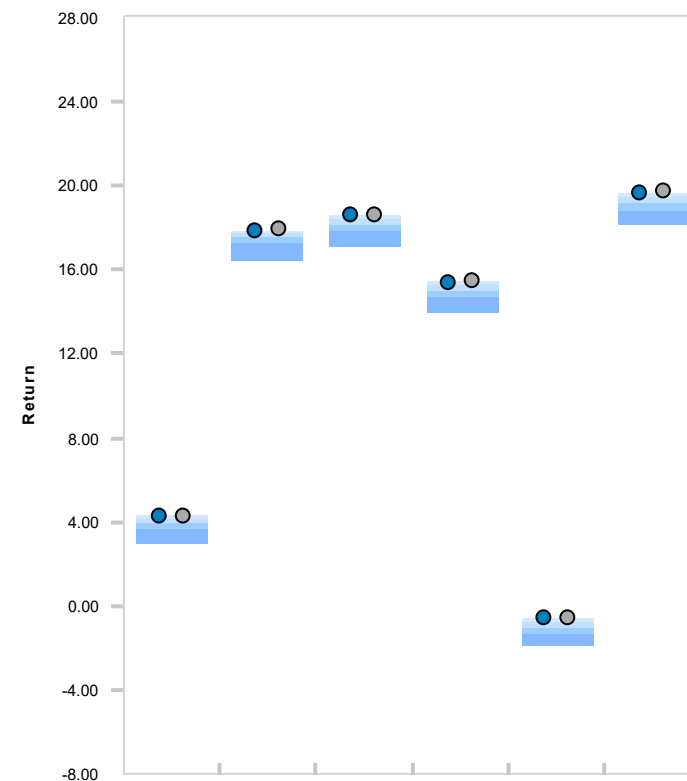
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	3.62	92.80	84.76	1.35	0.10	0.69	0.88	7.05
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	0.61	1.00	7.84

Peer Group Analysis - IM S&P 500 Index (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● VG 500 Index Adm (VFIAX)	1.69 (15)	4.22 (16)	4.22 (16)	10.84 (13)	13.36 (8)	13.86 (7)	10.81 (4)
● S&P 500 Index	1.70 (8)	4.25 (10)	4.25 (10)	10.87 (4)	13.39 (1)	13.90 (2)	10.84 (1)
Median	1.62	3.94	3.94	10.53	13.03	13.48	10.42

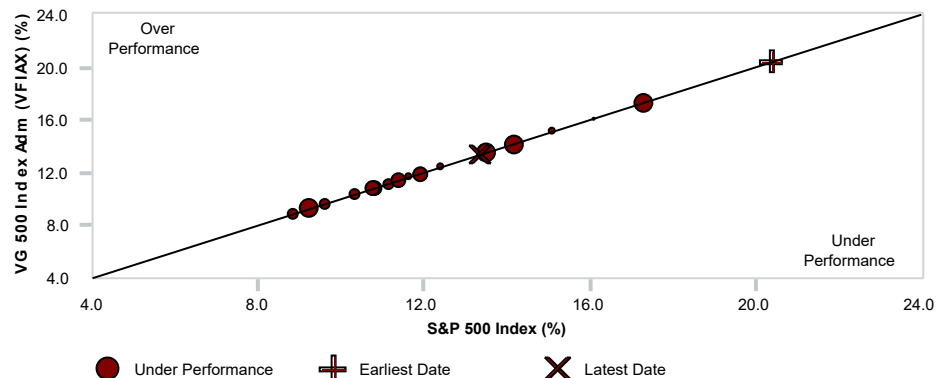


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● VG 500 Index Adm (VFIAX)	4.22 (16)	17.87 (9)	18.57 (6)	15.39 (9)	-0.60 (1)	19.65 (7)
● S&P 500 Index	4.25 (10)	17.91 (2)	18.61 (2)	15.43 (4)	-0.61 (2)	19.73 (1)
Median	3.94	17.51	18.17	14.99	-1.05	19.21

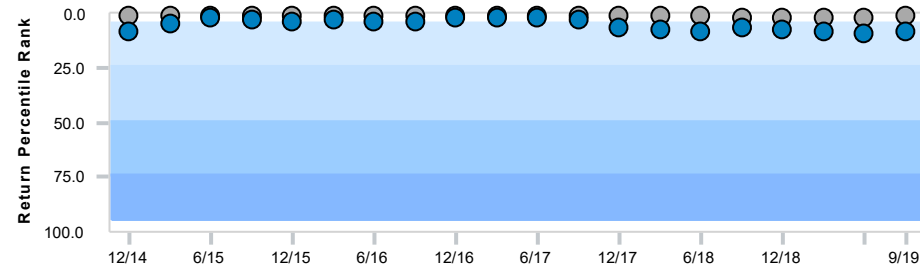
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
VG 500 Index Adm (VFIAX)	4.30 (8)	13.65 (8)	-13.53 (24)	7.70 (13)	3.42 (12)	-0.77 (9)
S&P 500 Index	4.30 (6)	13.65 (7)	-13.52 (15)	7.71 (4)	3.43 (5)	-0.76 (5)
IM S&P 500 Index (MF) Median	4.21	13.56	-13.58	7.62	3.35	-0.84

3 Yr Rolling Under/Over Performance - 5 Years

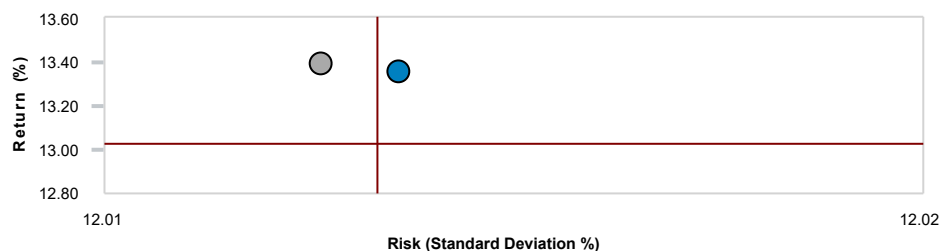


3 Yr Rolling Percentile Ranking - 5 Years



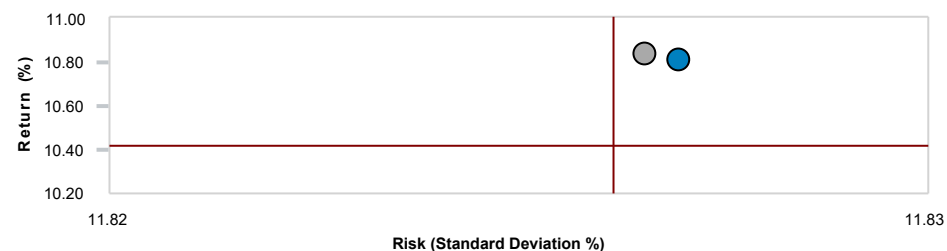
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
VG 500 Index Adm (VFIAX)	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
S&P 500 Index	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
VG 500 Index Adm (VFIAX)	13.36	12.01
S&P 500 Index	13.39	12.01
Median	13.03	12.01

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
VG 500 Index Adm (VFIAX)	10.81	11.83
S&P 500 Index	10.84	11.83
Median	10.42	11.83

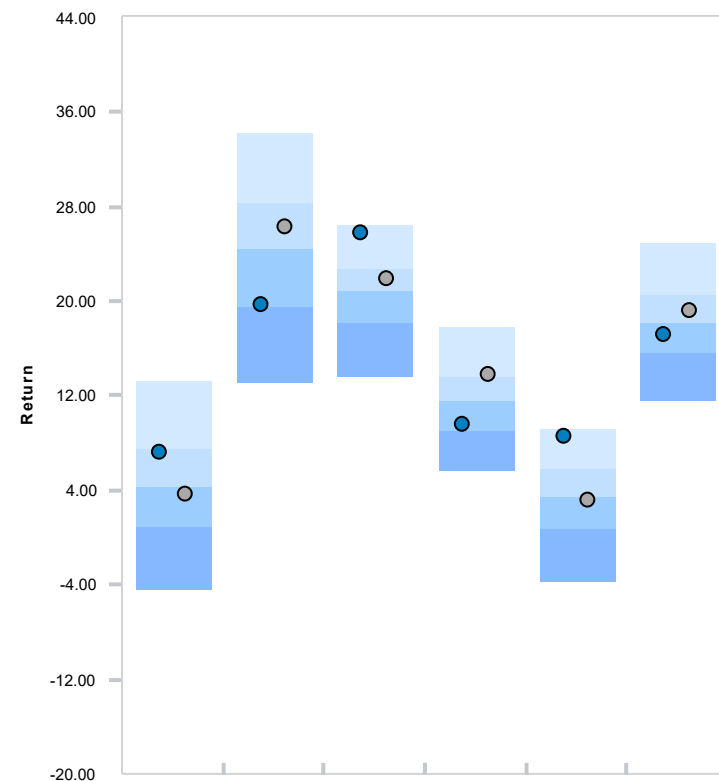
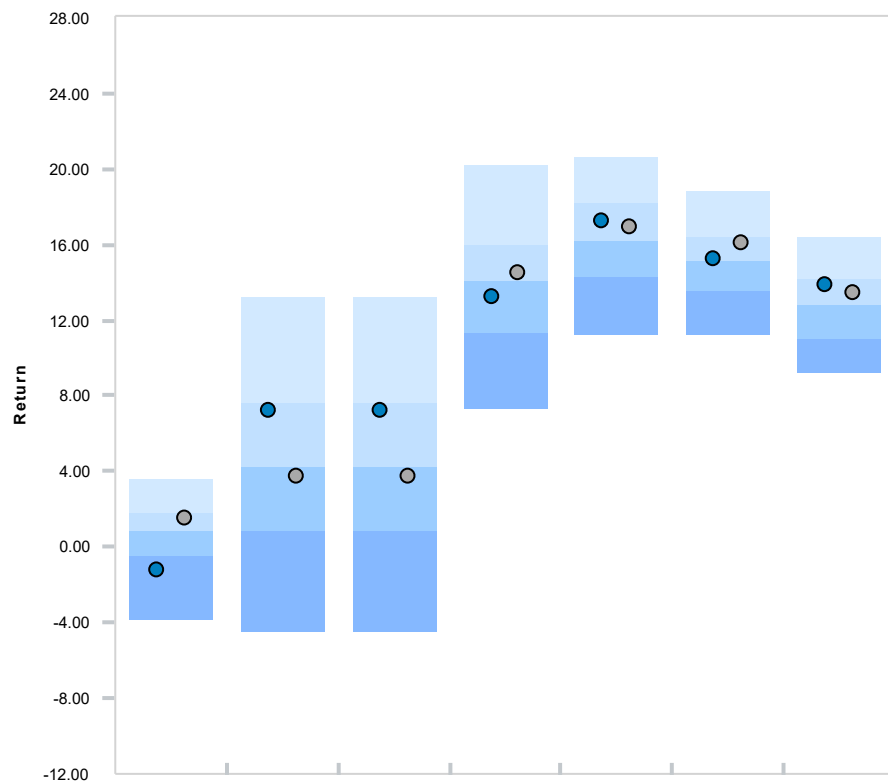
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
VG 500 Index Adm (VFIAX)	0.01	99.88	100.05	-0.03	-3.59	0.98	1.00	8.06
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	0.98	1.00	8.05

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
VG 500 Index Adm (VFIAX)	0.02	99.92	100.06	-0.02	-1.12	0.85	1.00	7.48
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	0.85	1.00	7.48

Peer Group Analysis - IM U.S. Large Cap Growth Equity (SA+CF)



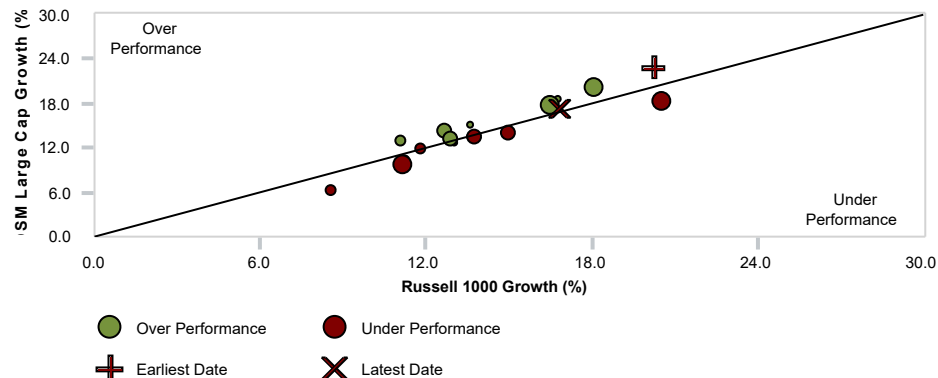
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
DSM Large Cap Growth	-1.25 (83)	7.18 (26)	7.18 (26)	13.23 (59)	17.24 (33)	15.26 (49)	13.89 (28)	DSM Large Cap Growth	7.18 (26)	19.63 (75)	25.69 (8)	9.51 (74)	8.57 (6)	17.22 (61)
Russell 1000 Growth	1.49 (31)	3.71 (56)	3.71 (56)	14.45 (44)	16.89 (39)	16.10 (30)	13.39 (38)	Russell 1000 Growth	3.71 (56)	26.30 (36)	21.94 (37)	13.76 (23)	3.17 (54)	19.15 (40)
Median	0.83	4.30	4.30	14.06	16.16	15.10	12.82	Median	4.30	24.41	20.81	11.62	3.55	18.18

Comparative Performance

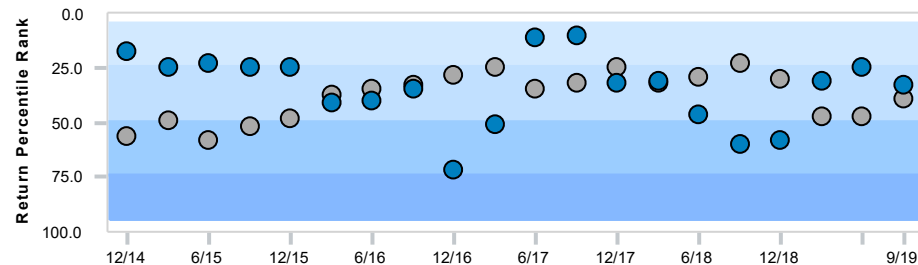
	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
DSM Large Cap Growth	5.11 (50)	18.50 (13)	-12.87 (22)	4.99 (95)	4.72 (58)	2.85 (41)
Russell 1000 Growth	4.64 (59)	16.10 (47)	-15.89 (61)	9.17 (23)	5.76 (42)	1.42 (60)
IM U.S. Large Cap Growth Equity (SA+CF) Median	5.10	15.99	-15.29	8.14	5.36	2.07



3 Yr Rolling Under/Over Performance - 5 Years

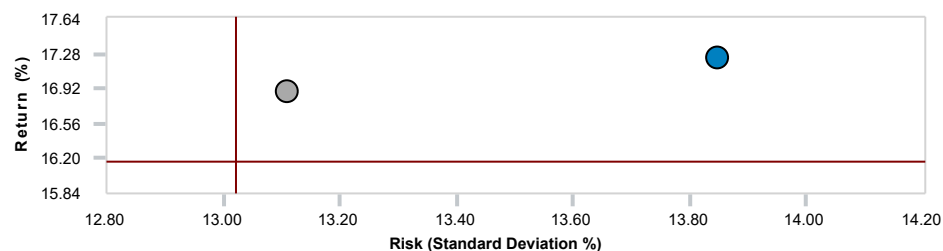


3 Yr Rolling Percentile Ranking - 5 Years



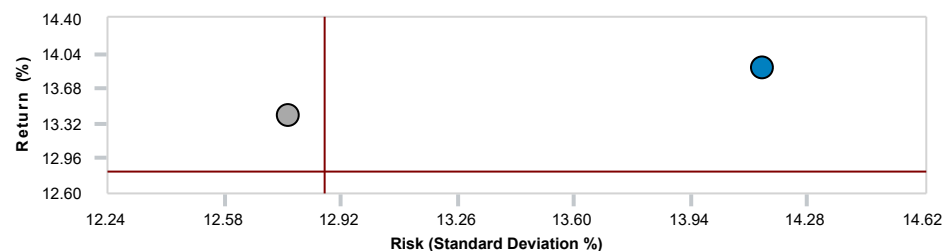
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
DSM Large Cap Growth	20	8 (40%)	8 (40%)	4 (20%)	0 (0%)
Russell 1000 Growth	20	3 (15%)	14 (70%)	3 (15%)	0 (0%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
DSM Large Cap Growth	17.24	13.85
Russell 1000 Growth	16.89	13.11
Median	16.16	13.02

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
DSM Large Cap Growth	13.89	14.15
Russell 1000 Growth	13.39	12.77
Median	12.82	12.87

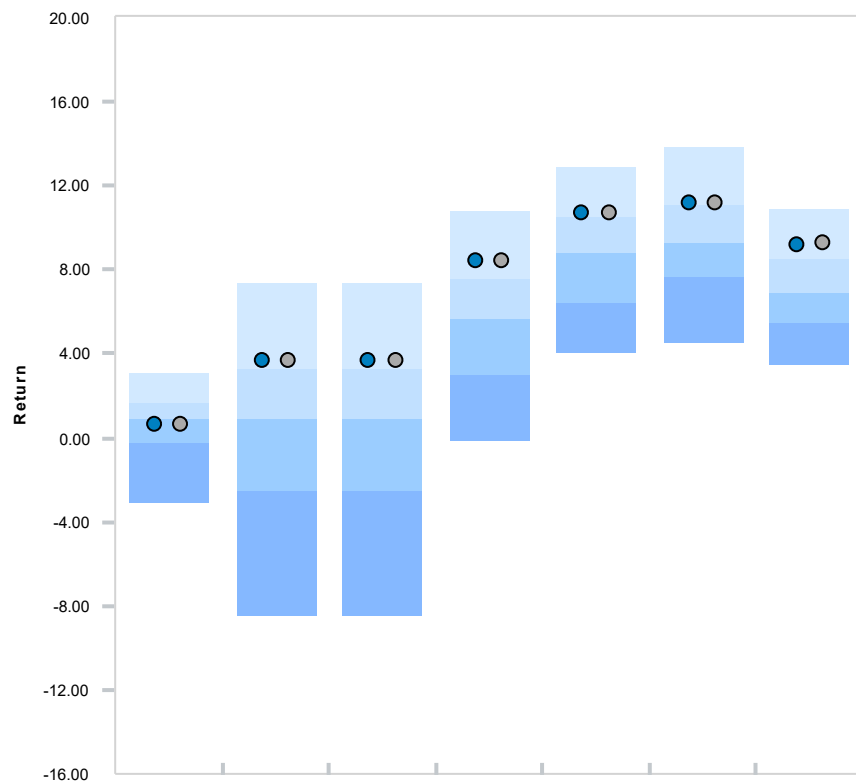
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.35	100.09	96.60	0.34	0.09	1.11	1.00	8.36
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	1.15	1.00	8.45

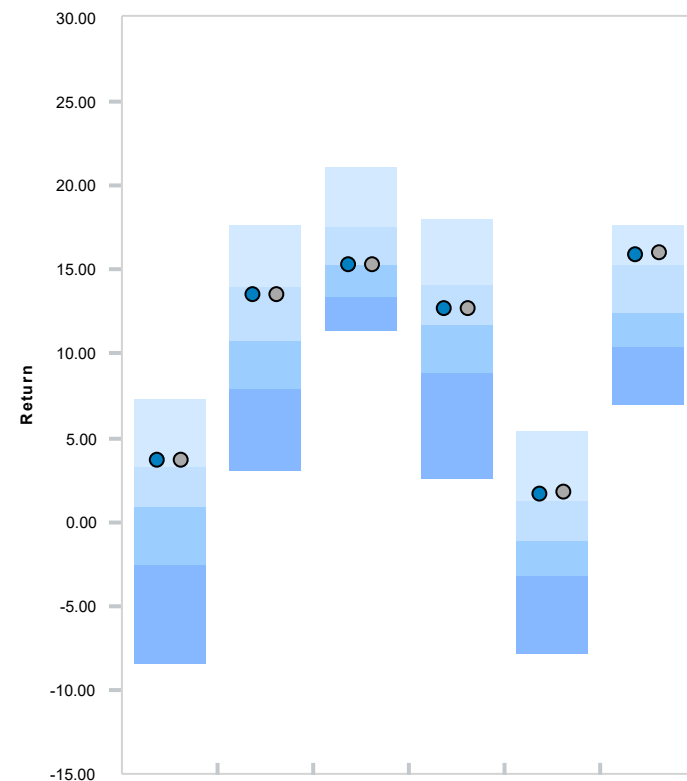
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.54	106.01	107.67	-0.06	0.14	0.93	1.05	8.40
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	0.98	1.00	7.74

Peer Group Analysis - IM U.S. Mid Cap Core Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● VG Mid-Cap Index (VMCIX)	0.60 (62)	3.65 (22)	3.65 (22)	8.44 (14)	10.68 (20)	11.17 (23)	9.19 (18)
● CRSP U.S. Mid Cap TR	0.62 (60)	3.70 (21)	3.70 (21)	8.46 (14)	10.70 (19)	11.19 (22)	9.24 (16)
Median	0.91	0.93	0.93	5.67	8.76	9.22	6.92

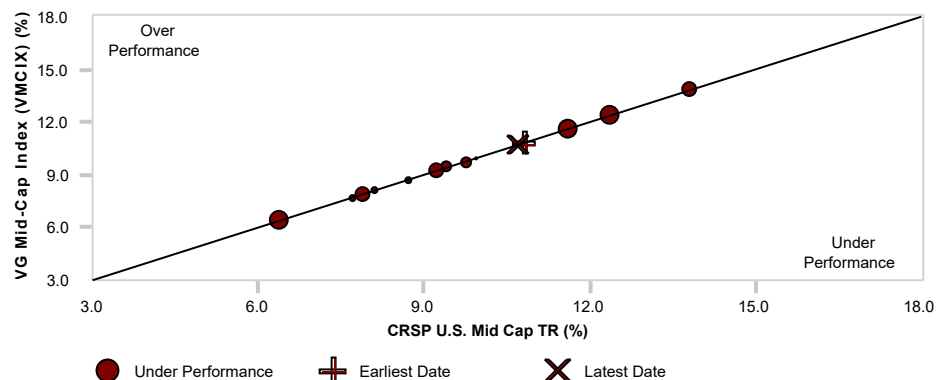


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● VG Mid-Cap Index (VMCIX)	3.65 (22)	13.45 (29)	15.31 (49)	12.65 (38)	1.61 (23)	15.89 (14)
● CRSP U.S. Mid Cap TR	3.70 (21)	13.44 (29)	15.33 (48)	12.68 (37)	1.76 (21)	15.94 (14)
Median	0.93	10.79	15.28	11.77	-1.16	12.42

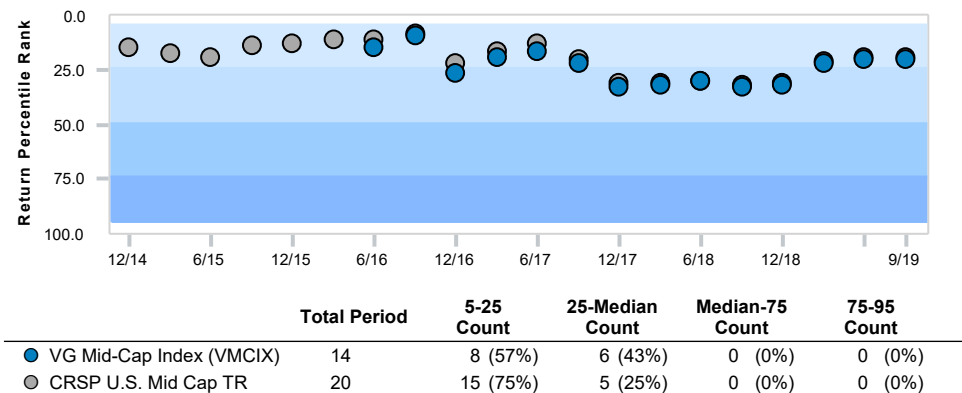
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
VG Mid-Cap Index (VMCIX)	4.36 (39)	16.78 (7)	-15.47 (44)	4.68 (40)	2.57 (41)	0.00 (19)
CRSP U.S. Mid Cap TR	4.37 (39)	16.79 (6)	-15.46 (44)	4.65 (41)	2.58 (40)	0.03 (19)
IM U.S. Mid Cap Core Equity (MF) Median	4.11	14.55	-15.90	4.11	2.31	-1.36

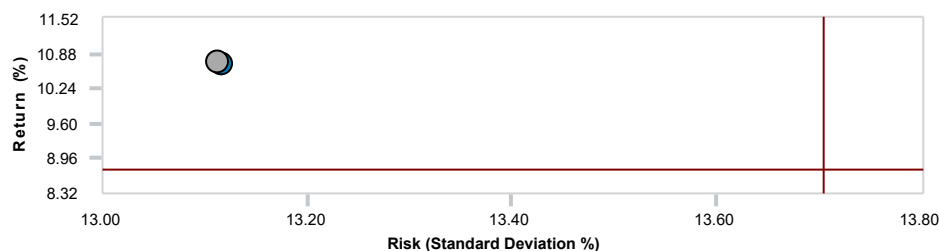
3 Yr Rolling Under/Over Performance - 5 Years



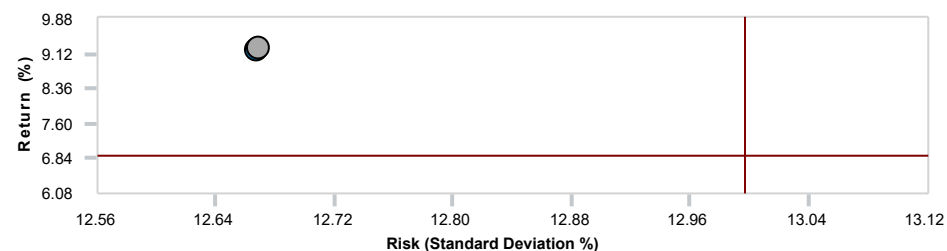
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



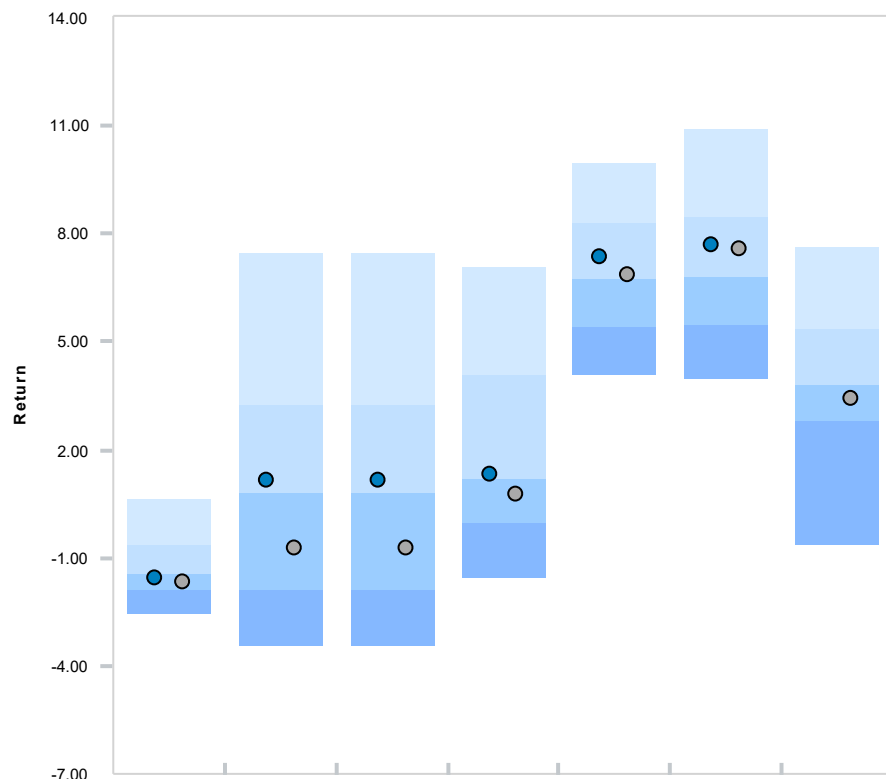
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
VG Mid-Cap Index (VMCIX)	0.04	99.97	100.09	-0.02	-0.45	0.73	1.00	8.92
CRSP U.S. Mid Cap TR	0.00	100.00	100.00	0.00	N/A	0.73	1.00	8.91

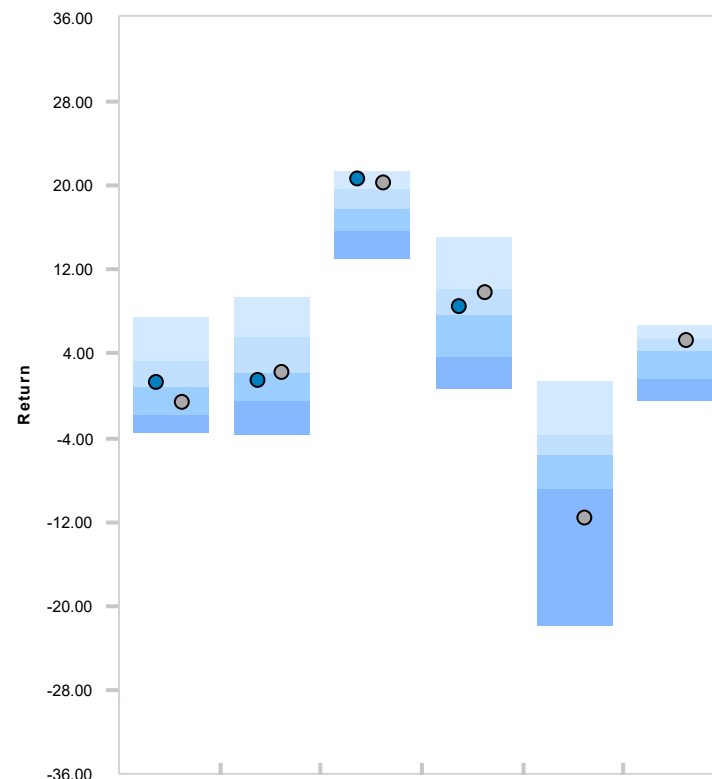
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
VG Mid-Cap Index (VMCIX)	0.06	99.75	99.96	-0.05	-0.77	0.68	1.00	8.34
CRSP U.S. Mid Cap TR	0.00	100.00	100.00	0.00	N/A	0.69	1.00	8.34

Peer Group Analysis - IM International Large Cap Growth Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● AF EuroPacific Gr R6	-1.59 (57)	1.14 (45)	1.14 (45)	1.31 (49)	7.38 (35)	7.66 (34)	N/A
● MSCI AC World ex USA	-1.70 (64)	-0.72 (67)	-0.72 (67)	0.76 (63)	6.85 (48)	7.58 (35)	3.39 (62)
Median	-1.46	0.81	0.81	1.22	6.73	6.82	3.78

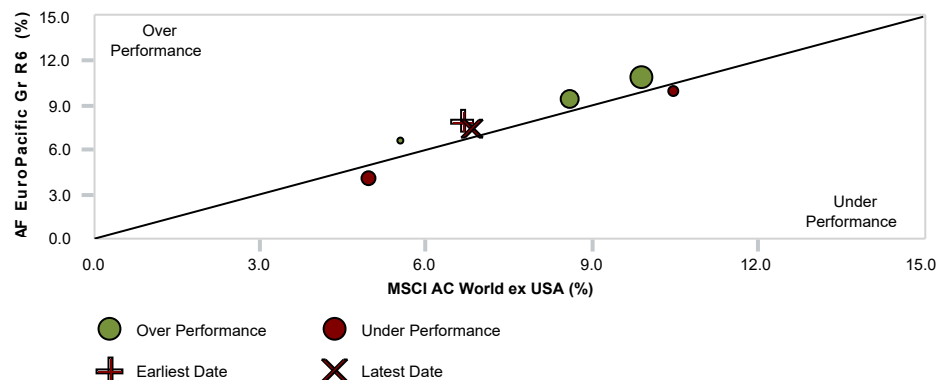


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● AF EuroPacific Gr R6	1.14 (45)	1.47 (59)	20.63 (8)	8.52 (38)	N/A	N/A
● MSCI AC World ex USA	-0.72 (67)	2.25 (50)	20.15 (19)	9.80 (27)	11.78 (89)	5.22 (29)
Median	0.81	2.20	17.85	7.77	-5.68	4.23

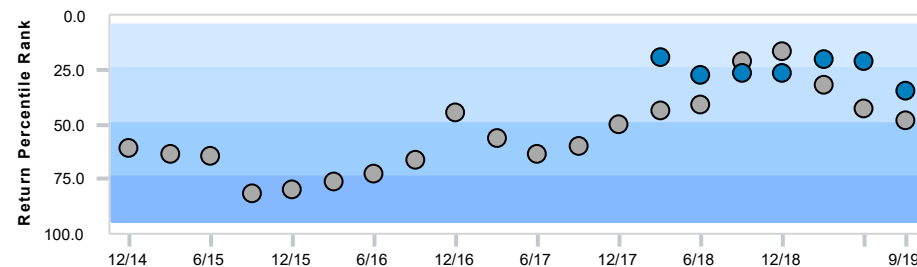
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
AF EuroPacific Gr R6	3.87 (72)	13.20 (26)	-12.59 (42)	-0.84 (83)	-2.82 (60)	1.03 (19)
MSCI AC World ex USA	3.22 (86)	10.44 (94)	-11.41 (25)	0.80 (39)	-2.39 (52)	-1.08 (64)
IM International Large Cap Growth Equity (MF) Median	4.44	12.52	-12.70	0.36	-2.31	-0.60

3 Yr Rolling Under/Over Performance - 5 Years

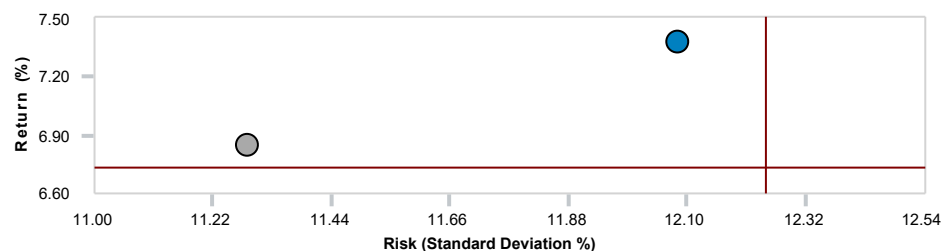


3 Yr Rolling Percentile Ranking - 5 Years



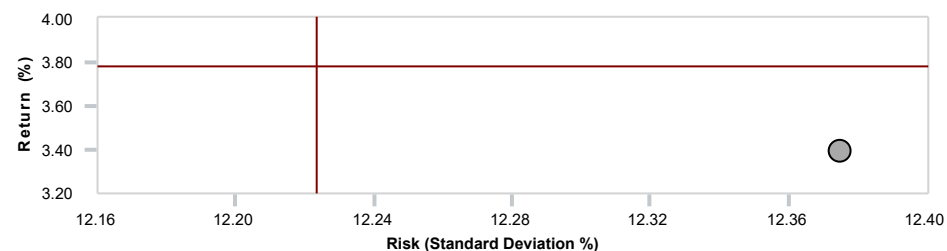
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
AF EuroPacific Gr R6	7	3 (43%)	4 (57%)	0 (0%)	0 (0%)
MSCI AC World ex USA	20	2 (10%)	7 (35%)	8 (40%)	3 (15%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
AF EuroPacific Gr R6	7.38	12.08
MSCI AC World ex USA	6.85	11.29
Median	6.73	12.25

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
AF EuroPacific Gr R6	N/A	N/A
MSCI AC World ex USA	3.39	12.38
Median	3.78	12.22

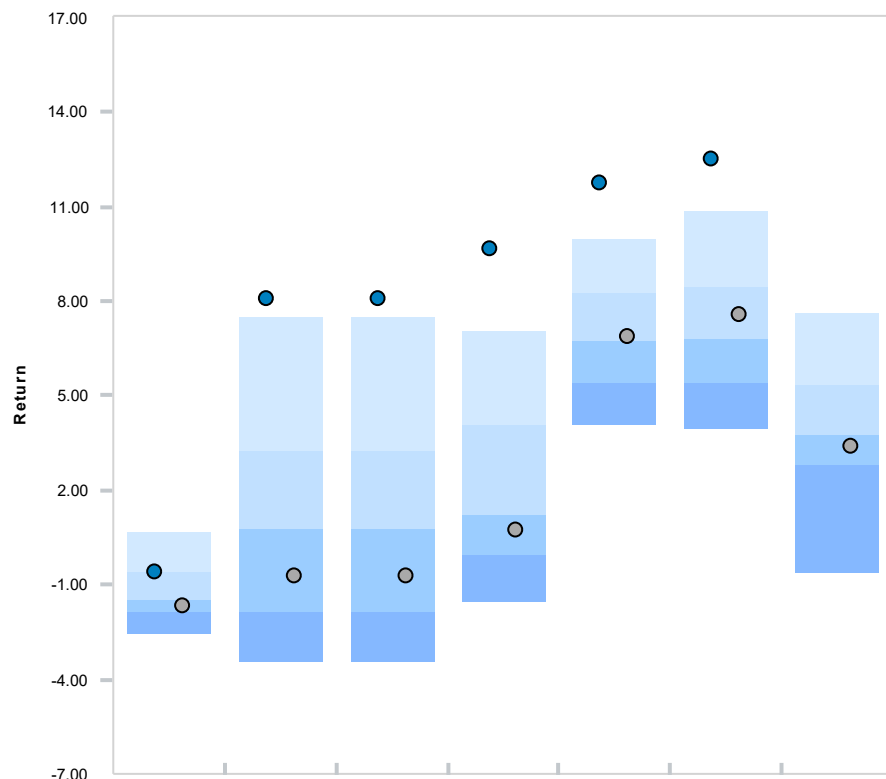
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
AF EuroPacific Gr R6	2.88	102.49	99.27	0.30	0.21	0.52	1.04	7.90
MSCI AC World ex USA	0.00	100.00	100.00	0.00	N/A	0.51	1.00	7.51

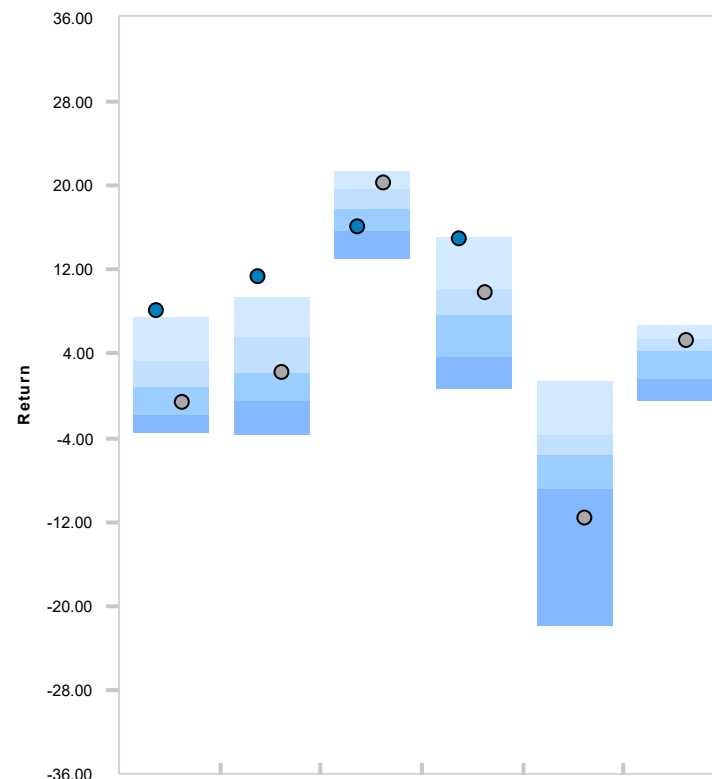
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
AF EuroPacific Gr R6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MSCI AC World ex USA	0.00	100.00	100.00	0.00	N/A	0.25	1.00	8.18

Peer Group Analysis - IM International Large Cap Growth Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● WCM Int'l (WCMIX)	-0.58 (25)	8.07 (2)	8.07 (2)	9.64 (1)	11.76 (1)	12.53 (1)	N/A
● MSCI AC World ex USA	-1.70 (64)	-0.72 (67)	-0.72 (67)	0.76 (63)	6.85 (48)	7.58 (35)	3.39 (62)
Median	-1.46	0.81	0.81	1.22	6.73	6.82	3.78

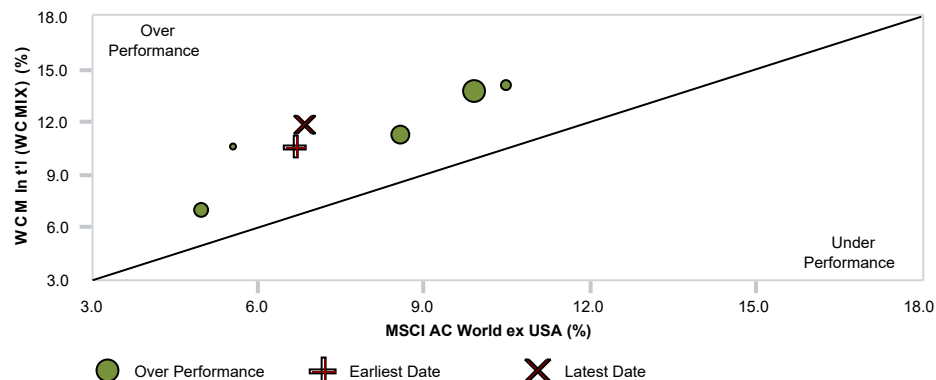


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● WCM Int'l (WCMIX)	8.07 (2)	11.23 (1)	16.14 (71)	14.84 (7)	N/A	N/A
● MSCI AC World ex USA	-0.72 (67)	2.25 (50)	20.15 (19)	9.80 (27)	11.78 (89)	5.22 (29)
Median	0.81	2.20	17.85	7.77	-5.68	4.23

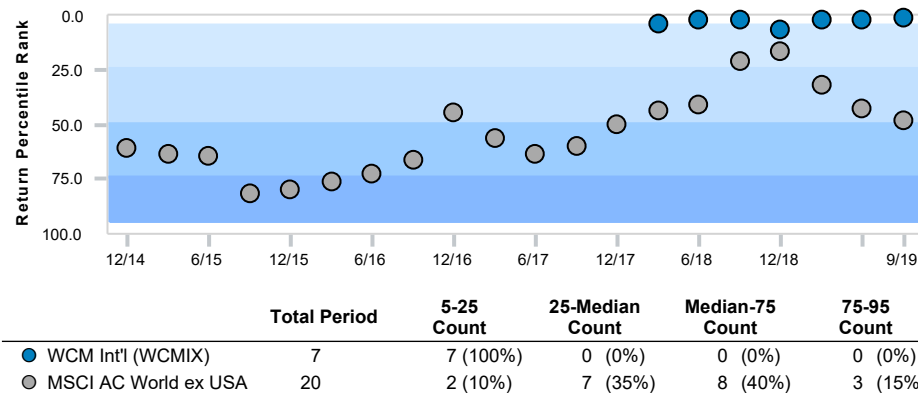
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
WCM Int'l (WCMIX)	9.92 (1)	12.84 (44)	-12.37 (38)	3.03 (4)	0.87 (10)	1.78 (11)
MSCI AC World ex USA	3.22 (86)	10.44 (94)	-11.41 (25)	0.80 (39)	-2.39 (52)	-1.08 (64)
IM International Large Cap Growth Equity (MF) Median	4.44	12.52	-12.70	0.36	-2.31	-0.60

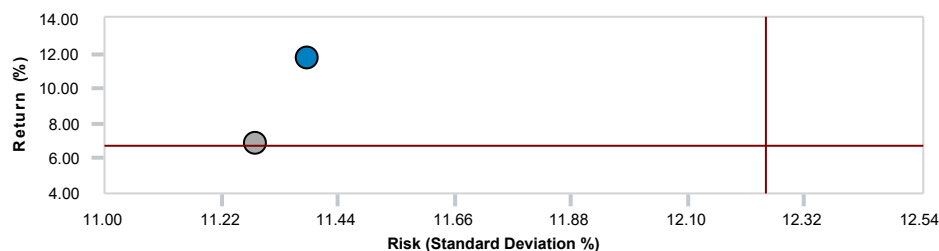
3 Yr Rolling Under/Over Performance - 5 Years



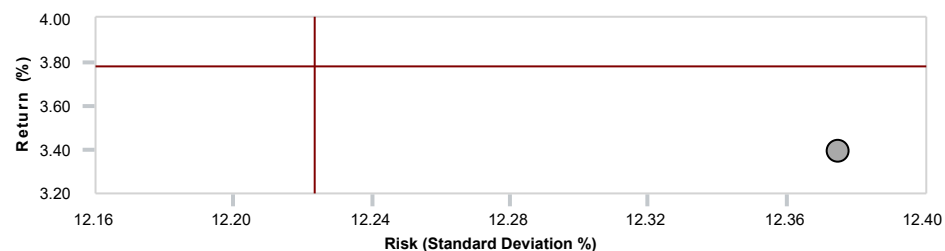
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



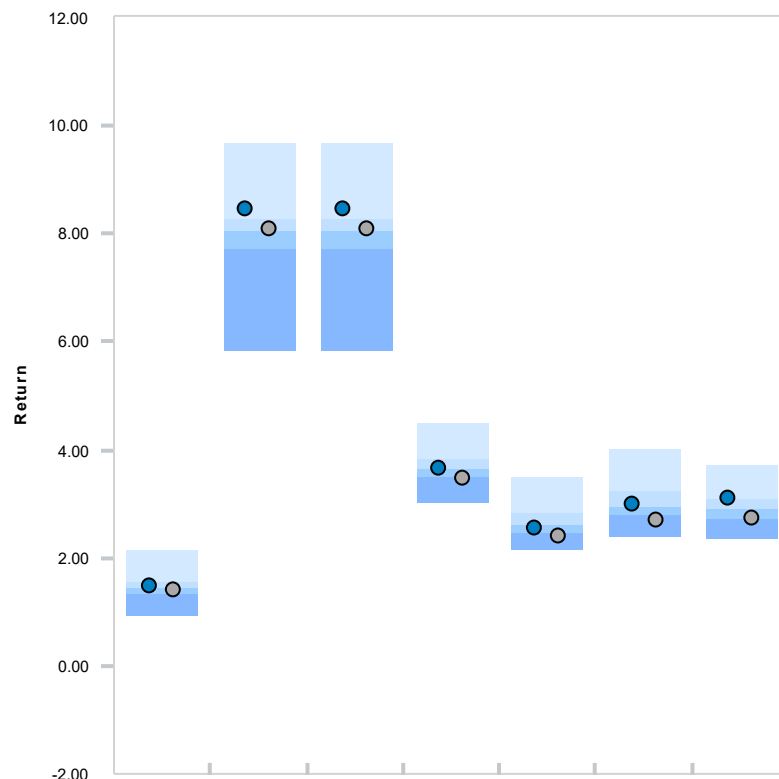
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Int'l (WCMIX)	6.57	97.75	60.87	5.87	0.69	0.91	0.84	7.54
MSCI AC World ex USA	0.00	100.00	100.00	0.00	N/A	0.51	1.00	7.51

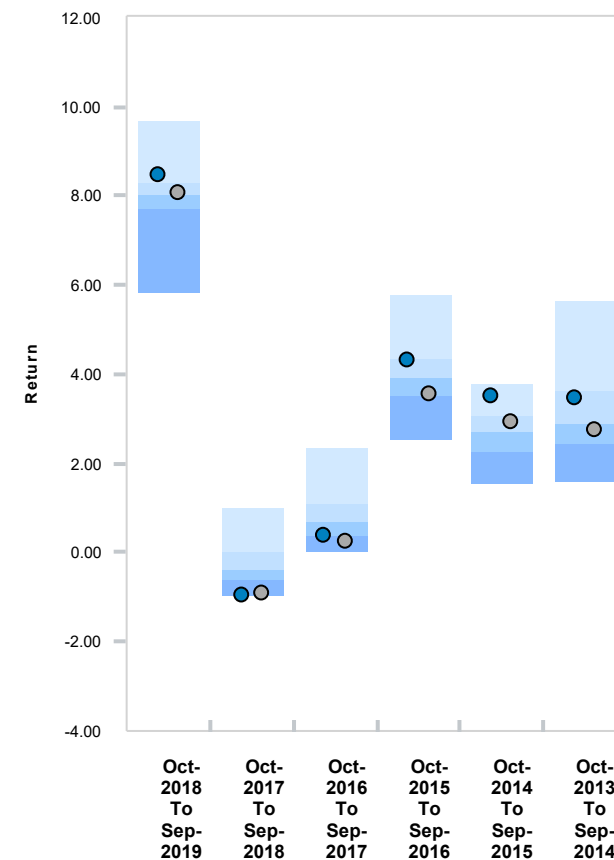
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Int'l (WCMIX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MSCI AC World ex USA	0.00	100.00	100.00	0.00	N/A	0.25	1.00	8.18

Peer Group Analysis - IM U.S. Intermediate Duration (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Schroders Core Fixed Income	1.46 (37)	8.46 (19)	8.46 (19)	3.65 (55)	2.54 (66)	2.98 (44)	3.08 (28)
● Schroders Core Fixed Income Policy	1.38 (60)	8.08 (45)	8.08 (45)	3.48 (78)	2.39 (87)	2.68 (83)	2.74 (75)
Median	1.42	8.04	8.04	3.67	2.63	2.94	2.92

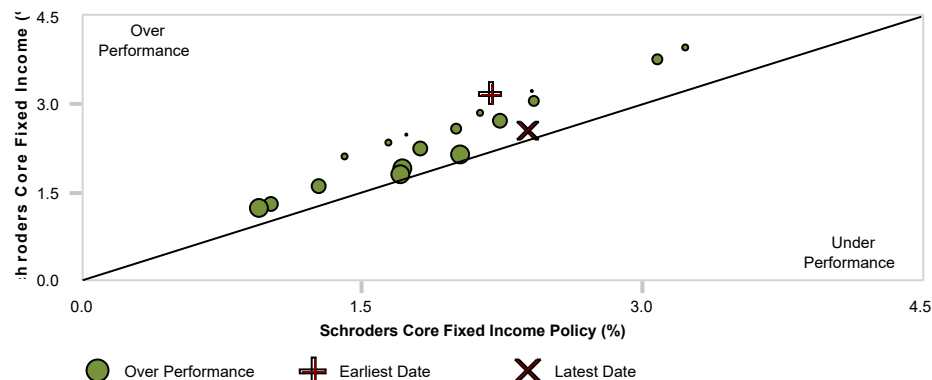


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● Schroders Core Fixed Income	8.46 (19)	0.95 (96)	0.37 (77)	4.31 (27)	3.50 (7)	3.46 (28)
● Schroders Core Fixed Income Policy	8.08 (45)	0.93 (95)	0.25 (87)	3.57 (73)	2.95 (32)	2.74 (58)
Median	8.04	0.39	0.69	3.90	2.70	2.88

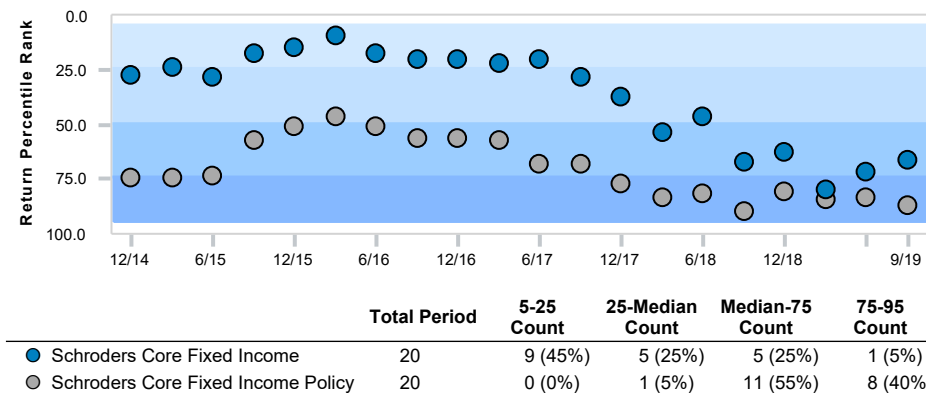
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
Schroders Core Fixed Income	2.47 (55)	2.46 (49)	1.81 (10)	0.21 (85)	0.06 (71)	-1.16 (93)
Schroders Core Fixed Income Policy	2.39 (67)	2.28 (71)	1.80 (10)	0.11 (95)	0.09 (61)	-1.05 (82)
IM U.S. Intermediate Duration (SA+CF) Median	2.51	2.45	1.38	0.37	0.12	-0.90

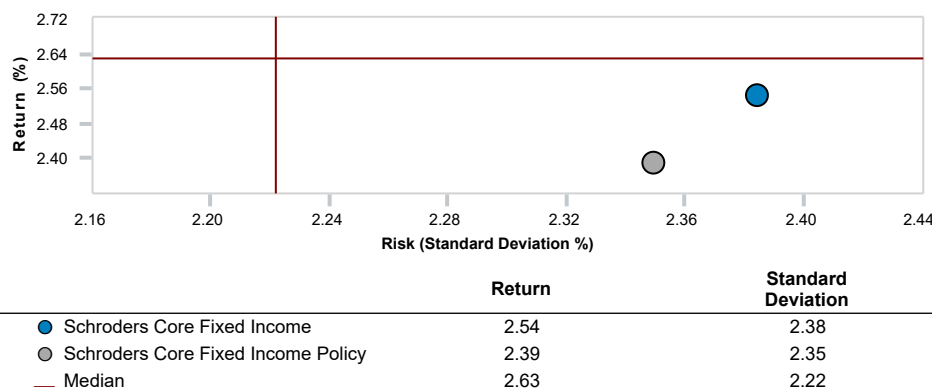
3 Yr Rolling Under/Over Performance - 5 Years



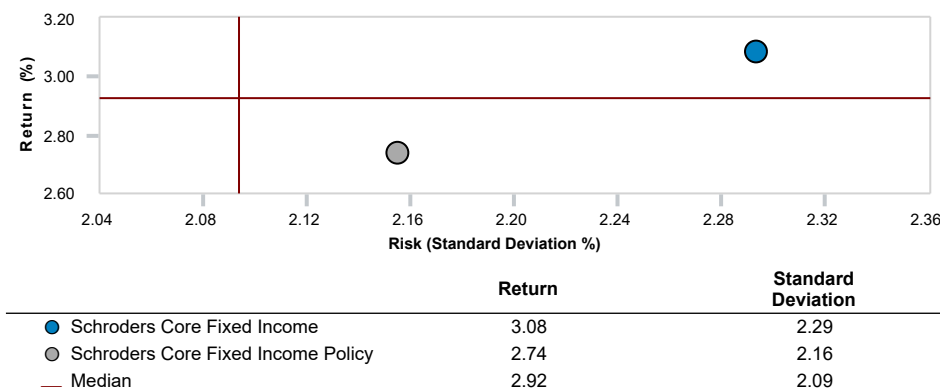
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



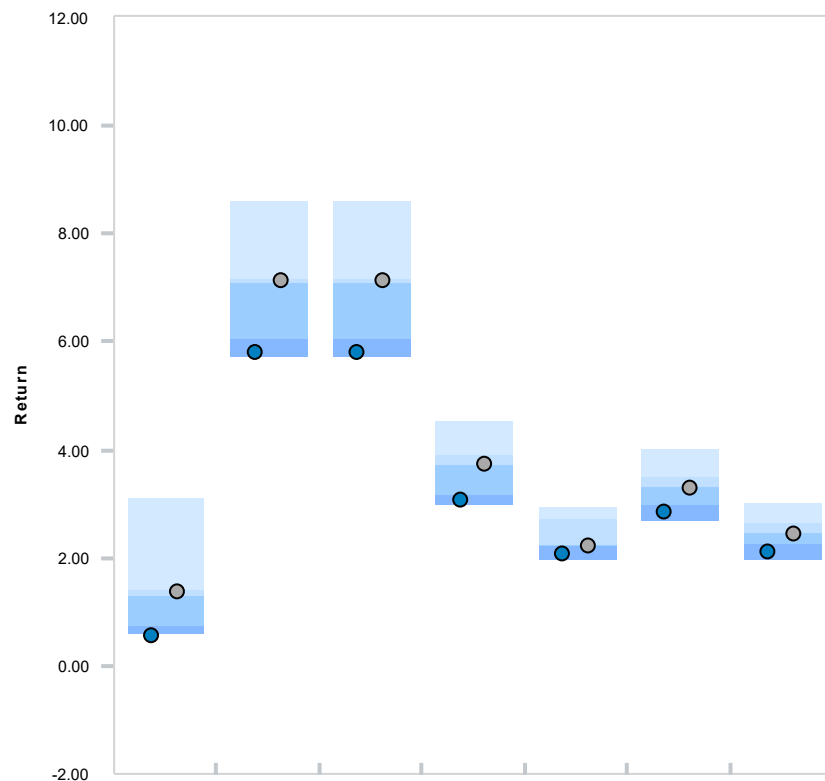
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.21	102.82	98.77	0.12	0.72	0.45	1.01	1.29
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.39	1.00	1.32

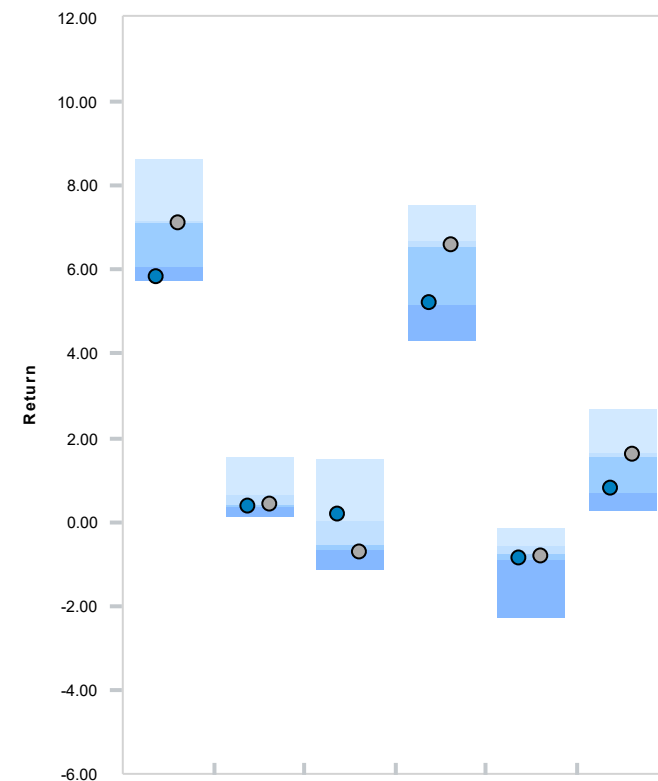
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.35	107.61	99.39	0.20	0.98	0.94	1.05	1.10
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.84	1.00	1.10

Peer Group Analysis - IM U.S. TIPS (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Schroders TIPS	0.55 (96)	5.81 (81)	5.81 (81)	3.05 (84)	2.08 (82)	2.85 (78)	2.09 (80)
● Barclays US Treasury US TIPS	1.35 (42)	7.13 (42)	7.13 (42)	3.71 (53)	2.21 (74)	3.29 (69)	2.45 (65)
Median	1.30	7.09	7.09	3.72	2.25	3.33	2.48

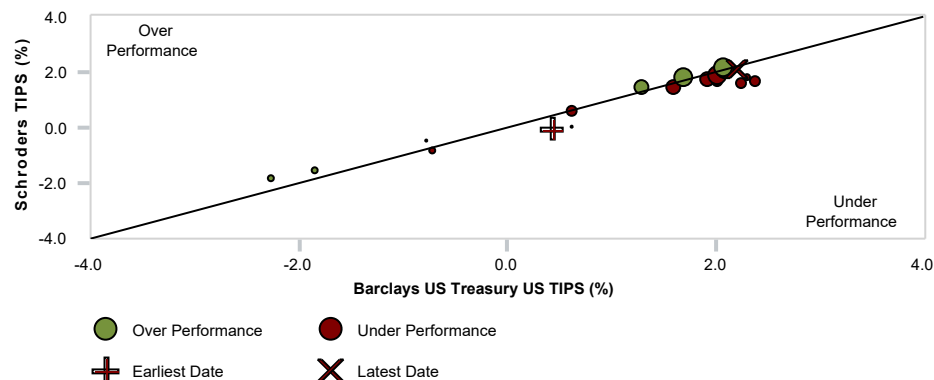


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● Schroders TIPS	5.81 (81)	0.36 (82)	0.16 (22)	5.19 (74)	-0.85 (66)	0.77 (74)
● Barclays US Treasury US TIPS	7.13 (42)	0.41 (70)	-0.73 (83)	6.58 (42)	-0.83 (60)	1.59 (46)
Median	7.09	0.43	-0.52	6.53	-0.79	1.57

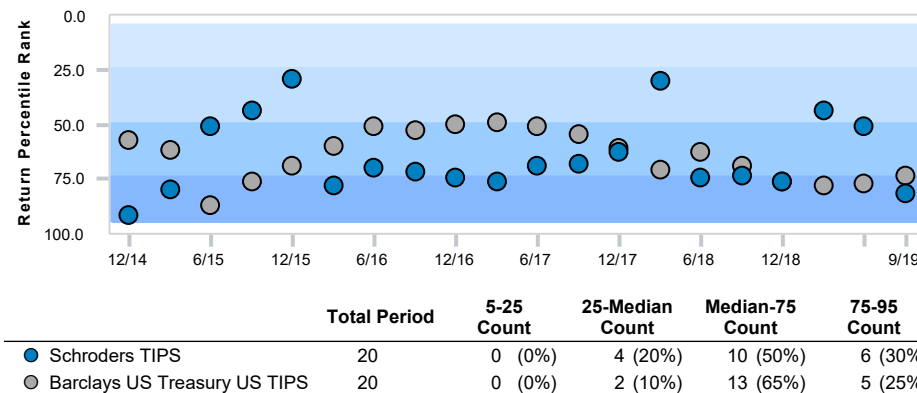
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
Schroders TIPS	2.56 (72)	2.58 (93)	0.03 (3)	-0.45 (26)	0.57 (89)	-0.31 (12)
Barclays US Treasury US TIPS	2.86 (37)	3.19 (65)	-0.42 (47)	-0.82 (73)	0.77 (41)	-0.79 (61)
IM U.S. TIPS (SA+CF) Median	2.85	3.20	-0.42	-0.77	0.76	-0.73

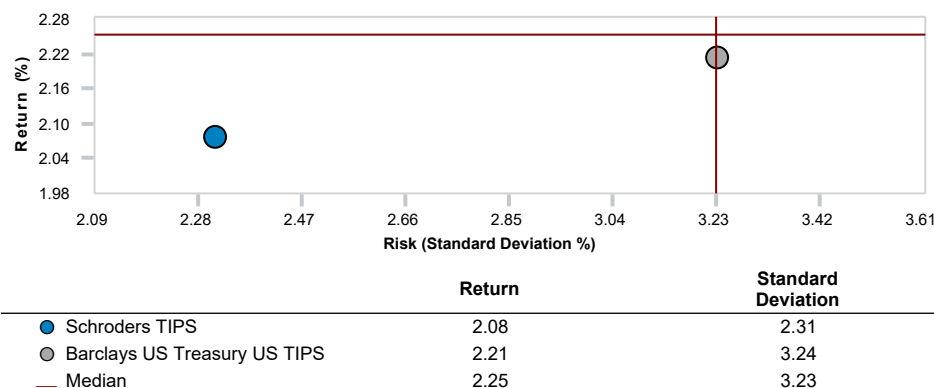
3 Yr Rolling Under/Over Performance - 5 Years



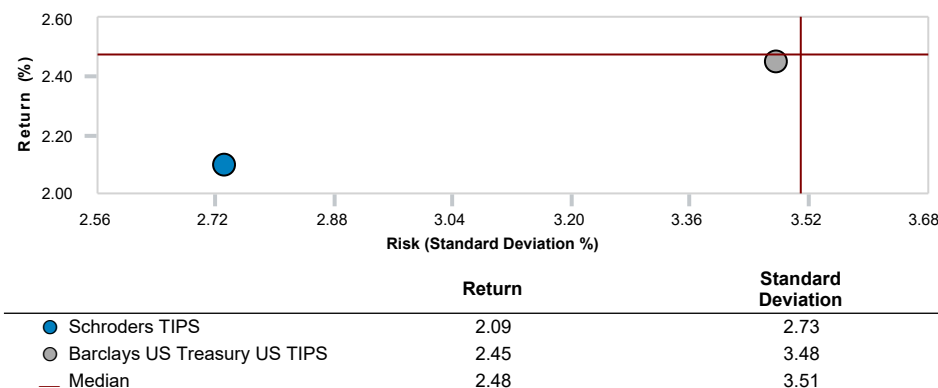
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



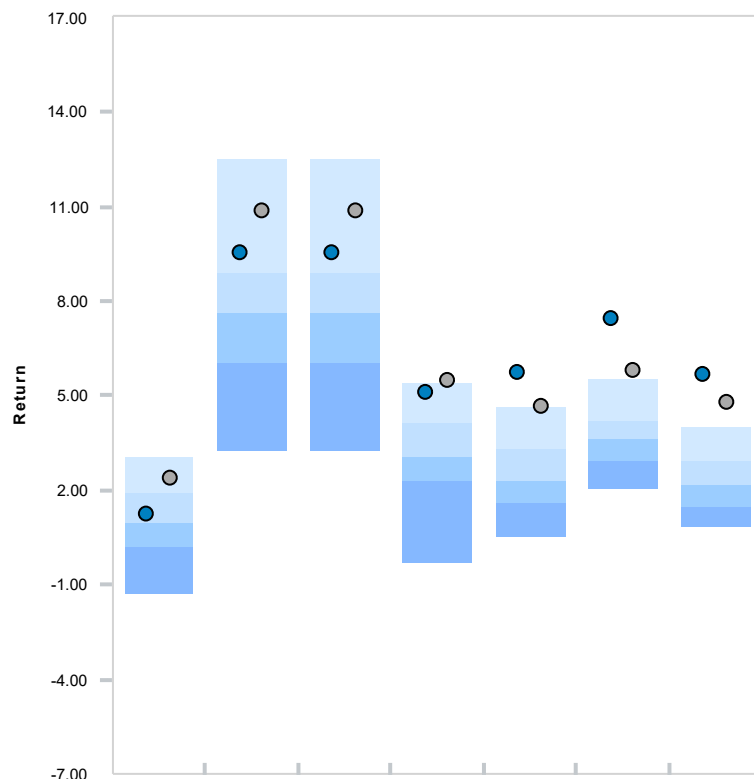
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.15	77.20	66.97	0.53	-0.14	0.25	0.69	1.40
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	0.23	1.00	2.01

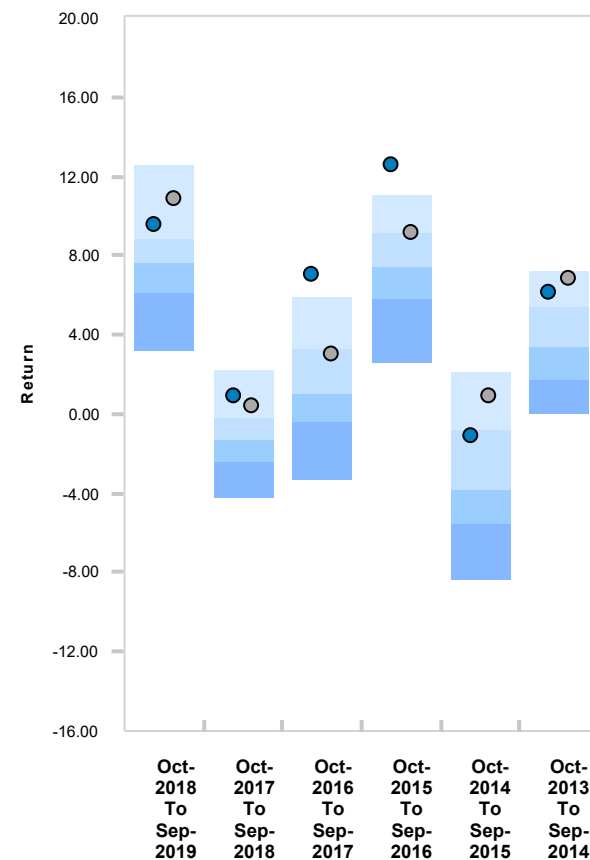
Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.22	78.62	74.25	0.26	-0.30	0.43	0.75	1.55
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	0.44	1.00	1.95

Peer Group Analysis - IM Global Fixed Income (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● PIMCO Div Income Fund (PDIIIX)	1.20 (46)	9.54 (19)	9.54 (19)	5.12 (8)	5.75 (1)	7.42 (1)	5.66 (1)
● Blmbg Barclays Global Credit (Hedged)	2.36 (10)	10.83 (12)	10.83 (12)	5.48 (5)	4.66 (5)	5.77 (3)	4.77 (1)
Median	1.01	7.65	7.65	3.05	2.29	3.64	2.16

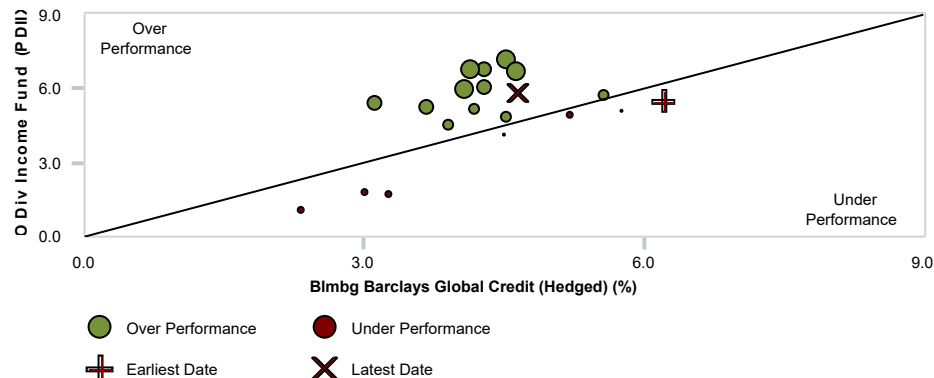


	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● PIMCO Div Income Fund (PDIIIX)	9.54 (19)	0.88 (11)	7.03 (2)	2.59 (2)	1.10 (26)	5.09 (16)
● Blmbg Barclays Global Credit (Hedged)	0.83 (12)	0.39 (17)	3.04 (27)	9.19 (25)	0.86 (18)	5.83 (9)
Median	7.65	1.29	1.02	7.42	3.85	3.37

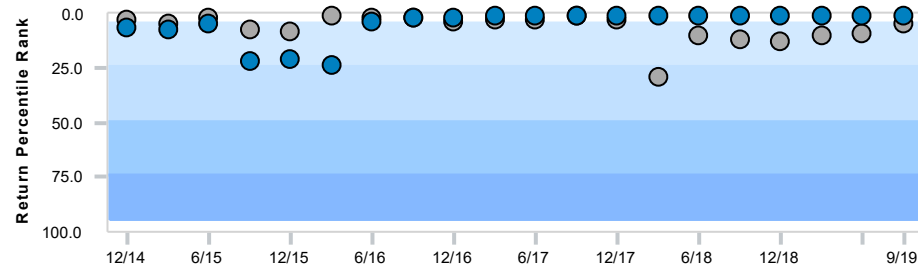
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
PIMCO Div Income Fund (PDIIIX)	3.59 (37)	5.82 (1)	-1.26 (91)	1.66 (2)	-0.73 (26)	-0.64 (93)
Blmbg Barclays Global Credit (Hedged)	3.60 (36)	4.71 (6)	-0.19 (66)	0.98 (8)	-0.44 (13)	-1.15 (97)
IM Global Fixed Income (MF) Median	3.37	3.10	0.35	-0.39	-2.29	0.80

3 Yr Rolling Under/Over Performance - 5 Years

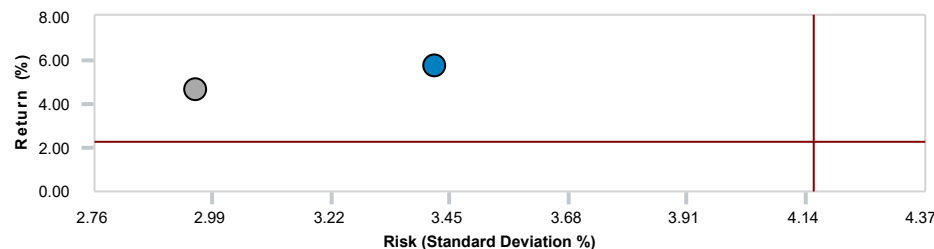


3 Yr Rolling Percentile Ranking - 5 Years



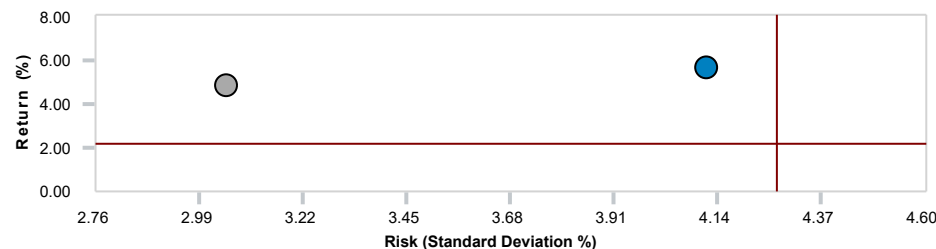
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
PIMCO Div Income Fund (PDIIX)	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Blmbg Barclays Global Credit (Hedged)	20	19 (95%)	1 (5%)	0 (0%)	0 (0%)

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
PIMCO Div Income Fund (PDIIX)	5.75	3.42
Blmbg Barclays Global Credit (Hedged)	4.66	2.96
Median	2.29	4.16

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
PIMCO Div Income Fund (PDIIX)	5.66	4.12
Blmbg Barclays Global Credit (Hedged)	4.77	3.05
Median	2.16	4.27

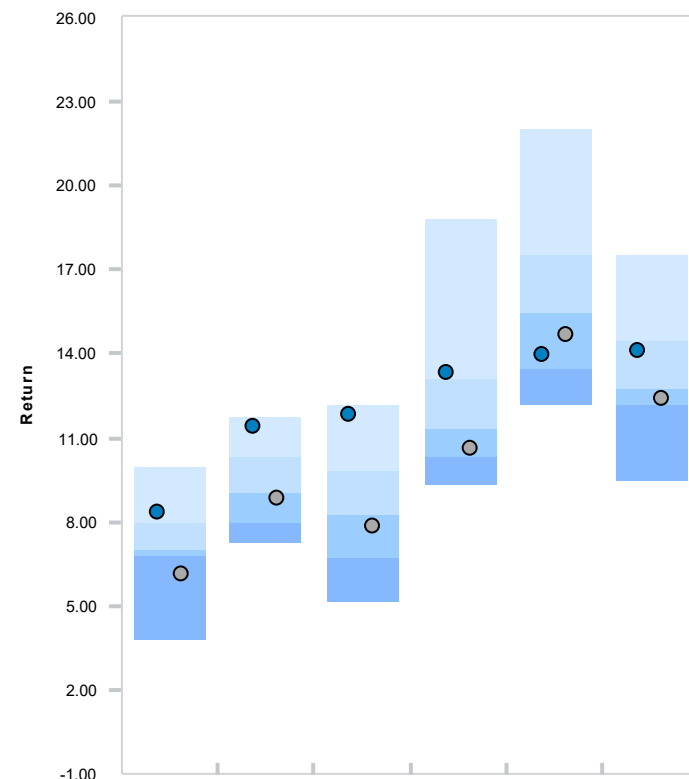
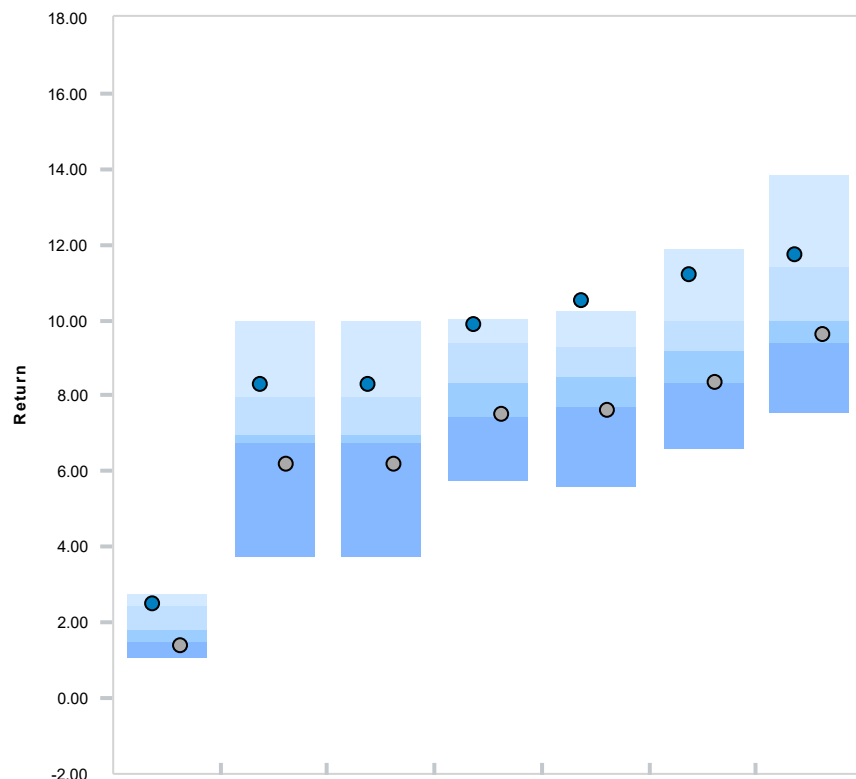
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Div Income Fund (PDIIX)	1.60	105.88	67.75	0.95	0.66	1.22	1.02	1.46
Blmbg Barclays Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	1.07	1.00	1.42

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Div Income Fund (PDIIX)	2.31	115.50	108.21	0.31	0.38	1.13	1.12	2.09
Blmbg Barclays Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	1.25	1.00	1.44

Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)

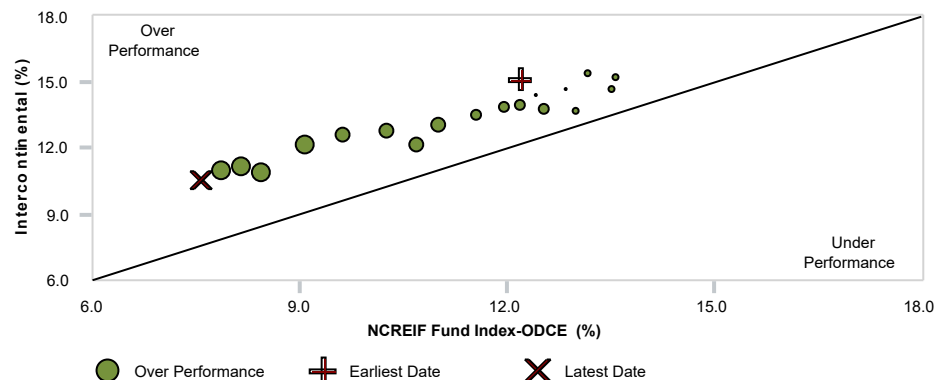


	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR		Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014
● Intercontinental	2.50 (22)	8.32 (22)	8.32 (22)	9.85 (7)	10.50 (1)	11.20 (15)	11.74 (22)	● Intercontinental	8.32 (22)	11.41 (8)	11.82 (7)	13.30 (23)	13.96 (69)	14.10 (30)
● NCREIF Fund Index-ODCE	1.38 (86)	6.16 (90)	6.16 (90)	7.48 (75)	7.59 (85)	8.34 (75)	9.59 (73)	● NCREIF Fund Index-ODCE	6.16 (90)	8.82 (59)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)
Median	1.79	6.96	6.96	8.35	8.49	9.20	9.97	Median	6.96	9.04	8.29	11.32	15.45	12.78

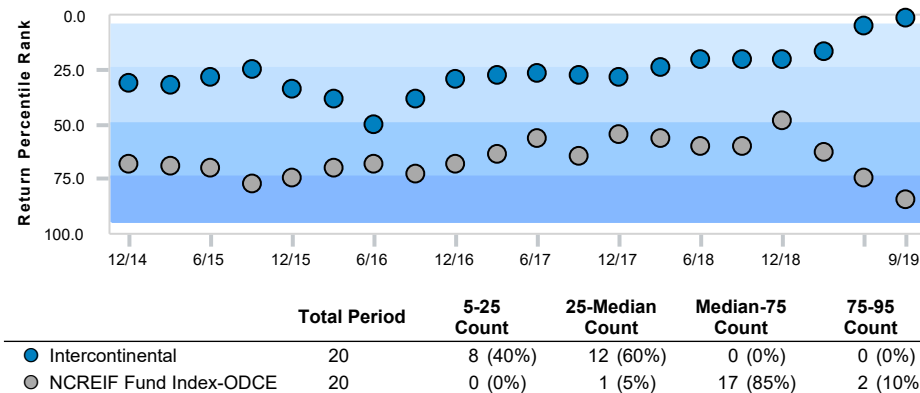
Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
Intercontinental	1.45 (53)	1.98 (55)	2.14 (20)	2.52 (23)	2.89 (27)	2.79 (14)
NCREIF Fund Index-ODCE	1.34 (66)	1.69 (81)	1.62 (62)	2.09 (54)	2.13 (61)	2.17 (55)
IM U.S. Open End Private Real Estate (SA+CF) Median	1.46	1.99	1.76	2.10	2.22	2.21

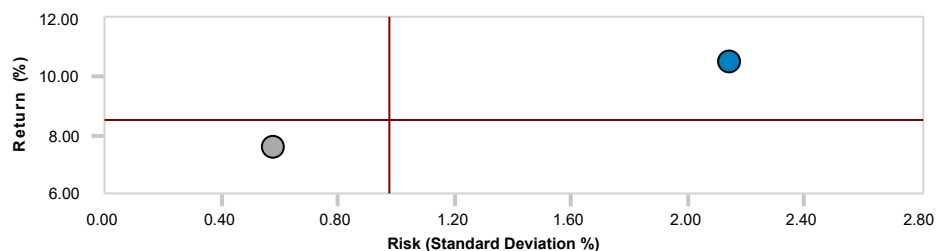
3 Yr Rolling Under/Over Performance - 5 Years



3 Yr Rolling Percentile Ranking - 5 Years

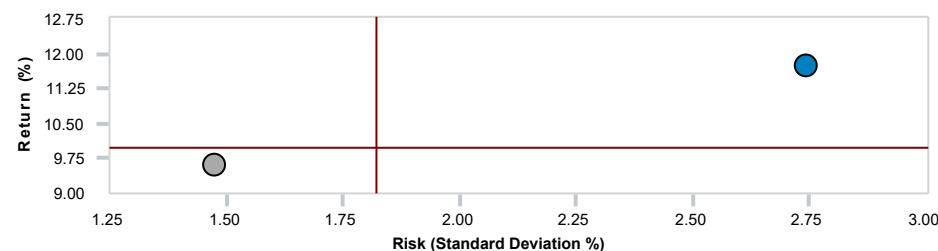


Peer Group Scattergram - 3 Years



	Return	Standard Deviation
● Intercontinental	10.50	2.15
● NCREIF Fund Index-ODCE	7.59	0.58
— Median	8.49	0.97

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
● Intercontinental	11.74	2.75
● NCREIF Fund Index-ODCE	9.59	1.48
— Median	9.97	1.82

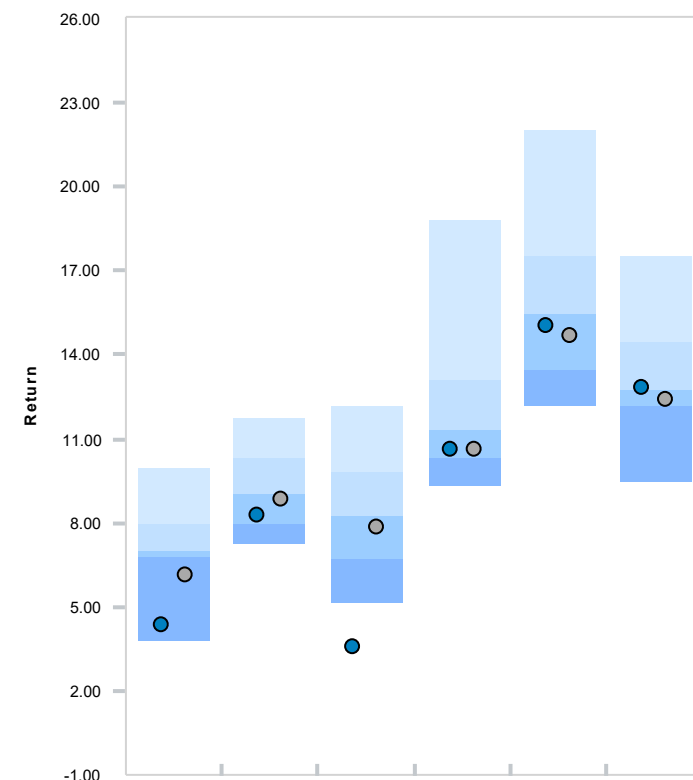
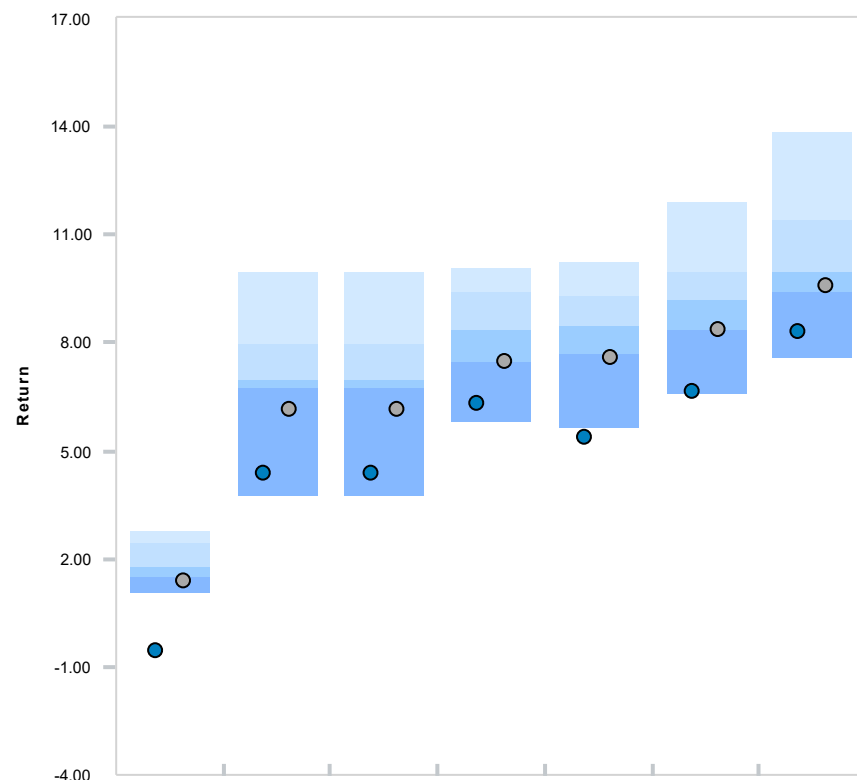
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	2.18	137.22	N/A	-0.20	1.26	1.84	1.40	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	1.91	1.00	0.00

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	2.63	121.86	N/A	0.51	0.77	1.92	1.16	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	2.03	1.00	0.00

Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)



Comparative Performance

	1 Qtr Ending Jun-2019	1 Qtr Ending Mar-2019	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018
ASB RE	1.39 (62)	2.00 (43)	1.44 (74)	1.97 (58)	1.99 (70)	2.00 (69)
NCREIF Fund Index-ODCE	1.34 (66)	1.69 (81)	1.62 (62)	2.09 (54)	2.13 (61)	2.17 (55)
IM U.S. Open End Private Real Estate (SA+CF) Median	1.46	1.99	1.76	2.10	2.22	2.21

Fund Information

Type of Fund:	Direct	Vintage Year:	2014
Strategy Type:	Other	Management Fee:	1.35% of invested equity capital
Size of Fund:	-	Preferred Return:	7.00%
Inception:	09/05/2014	General Partner:	CDL Levered General Partner, Ltd.
Final Close:	9/5/2015 expected	Number of Funds:	
Investment Strategy: High Current income while focusing on preservation of capital through investment primarily in senior secured loans of private U.S. lower-middle-market companies. The Fund will seek to enhance returns on its investments through the use of leverage. Fund size is \$250 million/ \$500 million with leverage.			

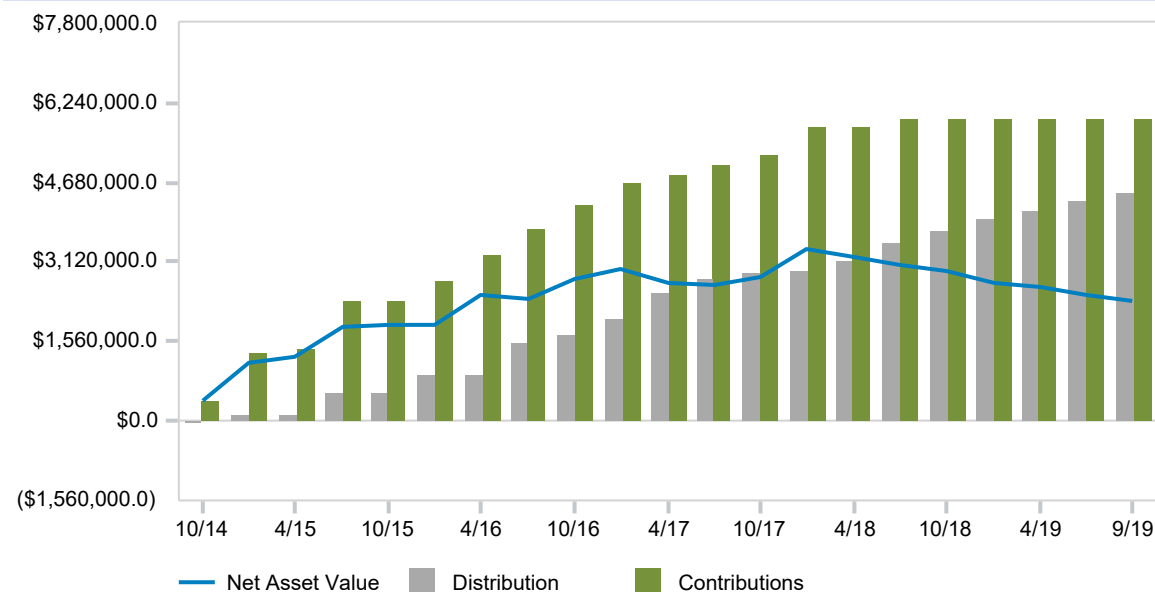
Cash Flow Summary

Capital Committed:	\$4,000,000
Capital Invested:	\$5,910,607
Management Fees:	\$52,910
Expenses:	\$107,226
Total Contributions:	\$5,910,607
Remaining Capital Commitment:	\$565,351

Total Distributions:	\$4,460,998
Market Value:	\$2,342,395

Inception Date:	10/01/2014
Inception IRR:	7.7
TVPI:	1.1

Cash Flow Analysis



Fund Information

Type of Fund:	Direct	Vintage Year:	2017
Strategy Type:	Other	Management Fee:	75.% of invested equity capital
Size of Fund:	1,500,000,000	Preferred Return:	7.00%
Inception:	09/27/2017	General Partner:	Crescent Direct Lending II GP, LLC
Final Close:		Number of Funds:	
Investment Strategy: Crescent Direct Lending Levered Fund II intends to invest in directly originated senior secured loans (including primarily first lien and unitranche loans and to a lesser extent second lien loans) of private U.S. lower-middle-market companies, primarily in conjunction with private equity investment firms.			

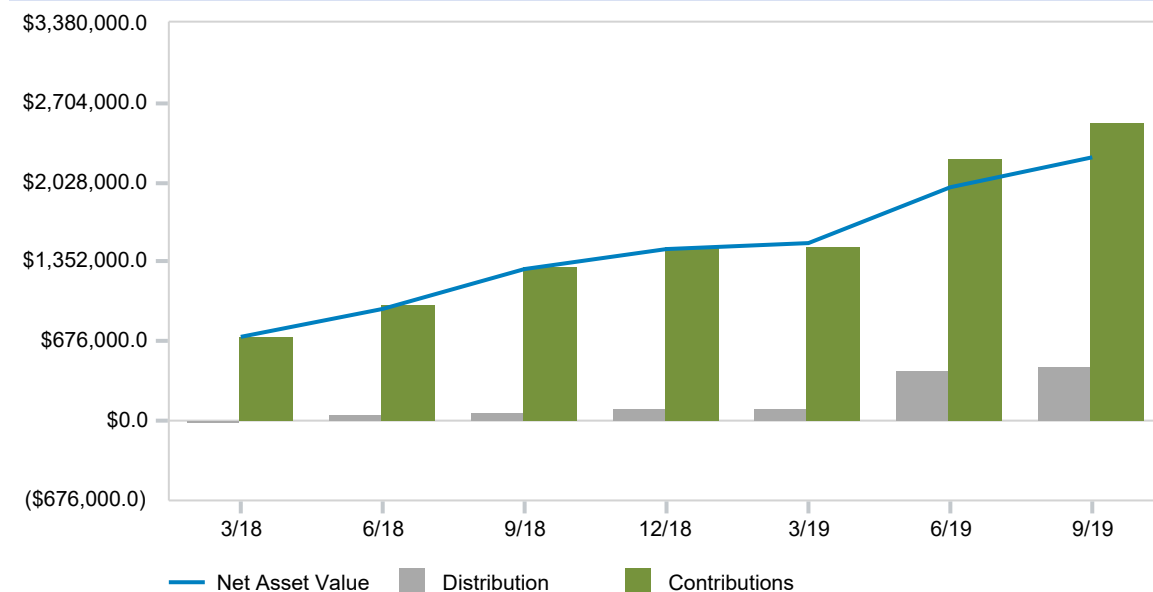
Cash Flow Summary

Capital Committed:	\$4,000,000
Capital Invested:	\$2,529,328
Management Fees:	\$19,039
Expenses:	\$8,675
Total Contributions:	\$2,529,328
Remaining Capital Commitment:	\$1,776,147

Total Distributions:	\$464,516
Market Value:	\$2,242,641

Inception Date:	03/14/2018
Inception IRR:	8.8
TVPI:	1.1

Cash Flow Analysis



Fund Information

Type of Fund:	Other	Vintage Year:	2013
Strategy Type:	Other	Management Fee:	1.50%
Size of Fund:	839,030,000	Preferred Return:	8.00%
Inception:	12/19/2012	General Partner:	LBC Credit Funding III L.P.
Final Close:	5/23/2014	Number of Funds:	
Investment Strategy: Provider of middle market financing including senior term, unitranche, second lien, junior secured, and mezzanine debt; and equity co-investments to companies with EBITDA generally.			

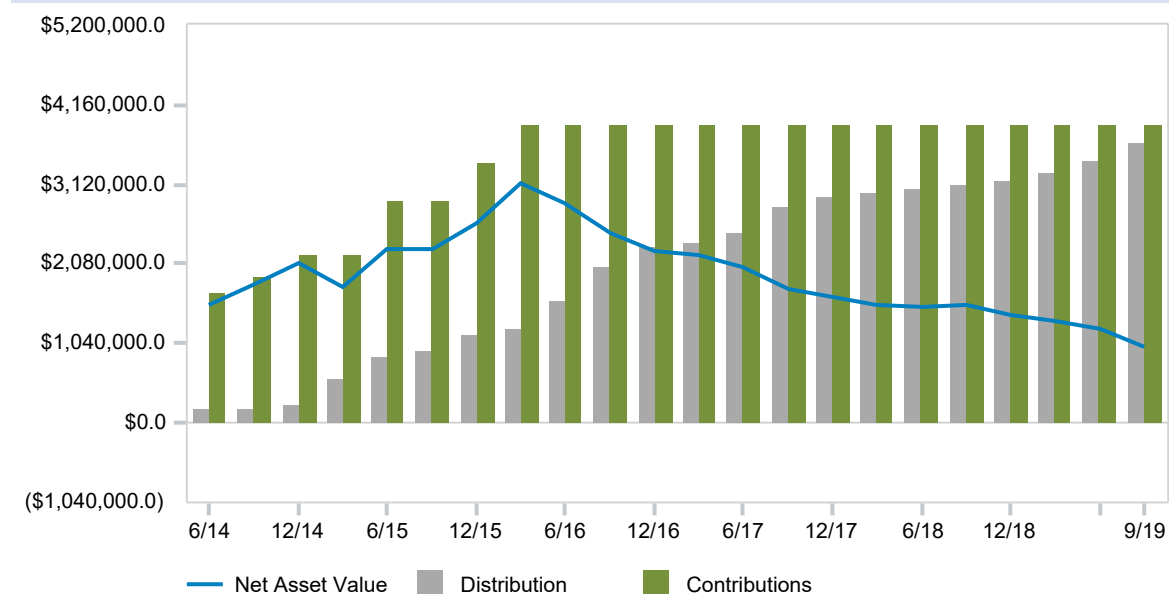
Cash Flow Summary

Capital Committed:	\$4,000,000
Capital Invested:	\$3,800,000
Management Fees:	\$437,788
Expenses:	\$494,408
Total Contributions:	\$3,900,223
Remaining Capital Commitment:	\$770,150

Total Distributions:	\$3,650,318
Market Value:	\$983,924

Inception Date:	06/23/2014
Inception IRR:	8.0
TVPI:	1.2

Cash Flow Analysis



Total Fund Policy			
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1979		Oct-2014	
S&P 500 Index	65.00	Russell 3000 Index	45.00
3 Year U.S. Treasury Note	30.00	Bloomberg Barclays Intermed Aggregate Index	20.00
FTSE 3 Month T-Bill	5.00	Bloomberg Barclays U.S. TIPS Index	5.00
		MSCI AC World ex USA	15.00
		NCREIF Fund Index-Open End Diversified Core (EW)	10.00
		ICE BofAML Global Broad Market Index	5.00
Jul-2007			
FTSE 3 Month T-Bill	5.00		
Bloomberg Barclays Intermed Aggregate Index	35.00		
MSCI EAFE Index	10.00		
Russell 3000 Index	50.00		
Oct-2007			
Russell 3000 Value Index	20.00		
Russell 1000 Growth Index	20.00		
S&P 500 Index	10.00		
Bloomberg Barclays Intermed Aggregate Index	35.00		
Bloomberg Barclays U.S. TIPS Index	5.00		
MSCI EAFE Index	10.00		
Jun-2009			
Russell 3000 Index	50.00		
Bloomberg Barclays Intermed Aggregate Index	25.00		
Blmbg. Barc. U.S. TIPS 1-10 Year	5.00		
MSCI EAFE Index	10.00		
FTSE 3 Month T-Bill	5.00		
NCREIF Fund Index-Open End Diversified Core (EW)	5.00		
Feb-2010			
Russell 3000 Index	45.00		
Bloomberg Barclays Intermed Aggregate Index	25.00		
Blmbg. Barc. U.S. TIPS 1-10 Year	5.00		
MSCI AC World ex USA	15.00		
NCREIF Fund Index-Open End Diversified Core (EW)	10.00		
Mar-2010			
Russell 3000 Index	45.00		
Bloomberg Barclays Intermed Aggregate Index	25.00		
Bloomberg Barclays U.S. TIPS Index	5.00		
MSCI AC World ex USA	15.00		
NCREIF Fund Index-Open End Diversified Core (EW)	10.00		

Total Equity Policy	
Allocation Mandate	Weight (%)
Jan-1926	
S&P 500 Index	100.00
Jul-2007	
Russell 3000 Index	85.00
MSCI EAFE Index	15.00
Oct-2007	
MSCI EAFE Index	15.00
S&P 500 Index	15.00
Russell 3000 Value Index	35.00
Russell 1000 Growth Index	35.00
Jun-2009	
Russell 3000 Index	83.33
MSCI EAFE Index	16.67
Feb-2010	
Russell 3000 Index	75.00
MSCI AC World ex USA	25.00
Domestic Equity Policy	
Allocation Mandate	Weight (%)
Jan-1926	
S&P 500 Index	100.00
Jul-2007	
Russell 3000 Index	100.00
Oct-2007	
Russell 3000 Value Index	40.00
Russell 1000 Growth Index	40.00
S&P 500 Index	20.00
Jun-2009	
Russell 3000 Index	100.00

Total Fixed Income Policy	
Allocation Mandate	Weight (%)
Jan-1973	
Bloomberg Barclays Intermediate US Govt/Credit Idx	100.00
Jul-2007	
Bloomberg Barclays Intermed Aggregate Index	100.00
Oct-2007	
Bloomberg Barclays Intermediate US Govt/Credit Idx	87.50
Bloomberg Barclays U.S. TIPS Index	12.50
Jun-2009	
Bloomberg Barclays Intermed Aggregate Index	83.33
Blmbg. Barc. U.S. TIPS 1-10 Year	16.67
Feb-2010	
Bloomberg Barclays Intermed Aggregate Index	83.33
Bloomberg Barclays U.S. TIPS Index	16.67
Apr-2011	
Bloomberg Barclays Intermed Aggregate Index	50.00
Bloomberg Barclays U.S. TIPS Index	25.00
ICE BofAML Global Broad Market Index	25.00

International Equity Policy	
Allocation Mandate	Weight (%)
Jan-1970	
MSCI EAFE Index	100.00
Feb-2010	
MSCI AC World ex USA	100.00

Boynton Beach FF

Total Fund Compliance:	Yes	No	N/A
1. The Total Plan return equaled or exceeded the 7.5%* actuarial earnings assumption over the trailing three and five year periods.	✓		
2. The Total Plan return equaled or exceeded the total plan benchmark over the trailing three and five year periods.	✓		
3. The Total Plan return ranked within the top 40th percentile of its peer group over the trailing three and five year periods.	✓		
4. Total foreign securities were less than 25% of the total plan assets at market.	✓		
* updated from 7.7% to 7.5% effective 1/1/2016			

Equity Compliance:	Yes	No	N/A
1. Total equity returns equaled or exceeded the benchmark over the trailing three and five year periods.	✓		
2. Total equity returns ranked within the top 40th percentile of its peer group over the trailing three and five year periods.			✓
3. The total equity allocation was less than 70% of the total plan assets at market.	✓		

Fixed Income Compliance:	Yes	No	N/A
1. Total fixed income returns equaled or exceeded the benchmark over the trailing three and five year periods.	✓		
2. Total fixed income returns ranked within the top 40th percentile of its peer group over the trailing three and five year periods.	✓		
3. All separately managed fixed income investments have a minimum rating of investment grade or higher.	✓		

Manager Compliance:	Anchor ACV			VG Mid-Cap			VG 500 Index			DSM LCG			WCM Int'l-3yr		
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.	✓					✓			✓	✓			✓		
2. Manager ranked within the top 40th percentile of its peer group over the trailing three and five year periods.		✓				✓			✓	✓			✓		
3. Less than four consecutive quarters of under-performance relative to the benchmark.	✓					✓			✓	✓			✓		
4. Three year down market capture ratio less than 100%.	✓					✓			✓	✓			✓		
5. Five year down market capture ratio less than 100%.	✓					✓			✓		✓				✓

Manager Compliance:	STW Core FI			STW TIPS			PIMCO			RERGX-3yr		
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.	✓				✓		✓					✓
2. Manager ranked within the top 40th percentile of its peer group over the trailing three and five year periods.		✓				✓	✓					✓
3. Less than four consecutive quarters of under-performance relative to the benchmark.	✓			✓			✓					✓
4. Three year down market capture ratio less than 100%.	✓			✓			✓					✓
5. Five year down market capture ratio less than 100%.	✓			✓				✓				✓

Boynton Beach FF

Manager Compliance:	ASB RE			Intercontinental			LBC III			Crescent			Crescent II		
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.		✓		✓					✓			✓			✓
2. Manager ranked within the top 40th percentile of its peer group over the trailing three and five year periods.			✓			✓			✓			✓			✓
3. Less than four consecutive quarters of under-performance relative to the benchmark.	✓			✓					✓			✓			✓
4. Three year down market capture ratio less than 100%.			✓			✓			✓			✓			✓
5. Five year down market capture ratio less than 100%.			✓			✓			✓			✓			✓

Boynton Beach Firefighters' Retirement System

Fee Analysis

As of September 30, 2019

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Vanguard 500 Index Admiral (VFIAX)	0.05	15,059,484	7,530	0.05 % of Assets
DSM Large Cap Growth	0.81	20,169,522	163,560	1.00 % of First \$5 M 0.75 % of Next \$15 M 0.63 % of Next \$80 M 0.50 % Thereafter
Anchor All Cap Value Equity	0.55	14,904,338	82,022	0.75 % of First \$3 M 0.50 % Thereafter
Vanguard Mid-Cap Index Fund (VMCIX)	0.08	10,614,578	8,492	0.08 % of Assets
Total Domestic Equity	0.43	60,747,922	261,603	
WCM International Growth Fund (WCMIX)	1.04	10,068,906	104,717	1.04 % of Assets
American Funds EuroPacific Gr R6 (RERGX)	0.49	10,945,872	53,635	0.49 % of Assets
Total International Equity	0.75	21,014,778	158,351	
Schroders Core Fixed Income	0.38	12,653,889	47,452	0.38 % of Assets
Schroders TIPS	0.10	3,023,060	3,023	0.10 % of Assets
Total Domestic Fixed Income	0.32	15,676,950	50,475	
PIMCO Diversified Income Fund (PDIIX)	0.75	7,359,854	55,199	0.75 % of Assets
Total Global Fixed Income	0.75	7,359,854	55,199	
LBC Credit Partners III ~	1.75	983,924	17,219	1.75 % of Assets
Crescent Direct Lending Levered Fund *	1.35	2,342,395	31,622	1.35 % of Assets
Crescent Direct Lending Levered Fund II *	0.75	2,242,641	16,820	0.75 % of Assets
Total Non-Core Fixed Income	1.18	5,568,960	65,661	
ASB RE	1.25	3,500,497	43,756	1.25 % of Assets
Intercontinental	1.10	7,319,971	80,520	1.10 % of Assets
Total Real Estate	1.15	10,820,468	124,276	
Mutual Fund Cash		119,840	-	
Receipt & Disbursement		1,291,023	-	
Total Cash Composite		1,410,862	-	
Total Fund	0.58	122,599,793	715,565	

* Fees on Crescent are on invested Equity capital, there is also a 7% hurdle rate.

~ Fees on LBC III are on invested capital, there is also a 8% hurdle rate.



Previous quarters final peer group updates.

Comparative Performance Trailing Returns

Total Fund

As of June 30, 2019

Comparative Performance Trailing Returns

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Total Fund (Net)	3.95	(6)	5.10	(4)	8.61	(5)	10.48	(5)	7.62	(2)	5.87	(86)	01/01/2002
Total Fund Policy	3.37	(42)	3.75	(30)	7.33	(23)	9.30	(25)	6.84	(12)	6.09	(76)	
Difference	0.58		1.35		1.28		1.18		0.78		-0.22		
All Public Plans-Total Fund Median	3.34		3.22		6.54		8.66		5.91		6.41		
Total Fund (Gross)	4.03		5.43		9.06		10.92		8.07		6.16		01/01/2002
Total Fund Policy	3.37		3.75		7.33		9.30		6.84		6.09		
Difference	0.66		1.68		1.73		1.62		1.23		0.07		
Total Equity	4.90		4.73		9.64		13.76		9.10		5.81		10/01/2007
Total Equity Policy	3.88		1.58		7.21		13.04		8.32		6.46		
Difference	1.02		3.15		2.43		0.72		0.78		-0.65		
Total Domestic Equity	4.29	(39)	4.37	(21)	10.52	(26)	14.33	(33)	10.44	(24)	7.37	(44)	10/01/2007
Total Domestic Equity Policy	4.10	(45)	1.74	(39)	8.98	(34)	14.02	(36)	10.19	(25)	8.04	(31)	
Difference	0.19		2.63		1.54		0.31		0.25		-0.67		
IM U.S. All Cap Equity (SA+CF+MF) Median	3.92		0.56		6.69		12.77		8.32		6.98		
Total International Equity	6.67	(1)	5.75	(1)	6.93	(1)	12.14	(1)	4.52	(6)	-0.08	(77)	10/01/2007
Total International Equity Policy	3.22	(42)	0.99	(13)	1.80	(18)	9.91	(9)	2.65	(21)	1.43	(35)	
Difference	3.45		4.76		5.13		2.23		1.87		-1.51		
IM International Multi-Cap Core Equity (MF) Median	2.90		-1.14		-0.35		8.17		1.98		0.84		
Total Fixed Income	2.82	(7)	6.89	(15)	8.05	(5)	5.24	(2)	4.88	(2)	5.32	(3)	10/01/2007
Total Fixed Income Policy	2.75	(10)	6.49	(47)	6.07	(84)	1.95	(93)	2.03	(98)	3.59	(90)	
Difference	0.07		0.40		1.98		3.29		2.85		1.73		
IM U.S. Intermediate Duration (SA+CF) Median	2.51		6.48		6.87		2.33		2.66		4.05		
Total Domestic Fixed Income	2.51	(50)	6.35	(62)	6.36	(80)	2.03	(85)	2.60	(57)	3.98	(57)	10/01/2007
Total Domestic Fixed Income Policy	2.47	(55)	6.46	(55)	6.41	(79)	2.04	(83)	2.35	(87)	3.69	(86)	
Difference	0.04		-0.11		-0.05		-0.01		0.25		0.29		
IM U.S. Intermediate Duration (SA+CF) Median	2.51		6.48		6.87		2.33		2.66		4.05		
Total Global Fixed Income	3.59	(37)	8.23	(12)	10.04	(2)	7.36	(1)	4.32	(1)	5.14	(1)	03/01/2011
ICE BofAML Global Broad Market Index	3.36	(52)	7.03	(38)	5.97	(60)	1.62	(84)	1.41	(55)	2.22	(63)	
Difference	0.23		1.20		4.07		5.74		2.91		2.92		
IM Global Fixed Income (MF) Median	3.37		6.51		6.42		2.56		1.51		2.50		
Total Real Estate	1.43	(57)	5.42	(42)	7.89	(31)	9.31	(27)	11.05	(37)	11.76	(82)	04/01/2010
Total Real Estate Policy	1.34	(66)	4.71	(80)	6.90	(84)	7.87	(75)	10.03	(63)	12.03	(79)	
Difference	0.09		0.71		0.99		1.44		1.02		-0.27		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.46		5.12		7.59		8.26		10.41		12.82		

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



Comparative Performance Trailing Returns

Total Fund

As of June 30, 2019

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Domestic Equity													
Anchor All Cap Value Equity	3.10	(69)	1.91	(36)	8.46	(34)	10.14	(70)	7.42	(57)	12.64	(59)	08/01/2009
Russell 3000 Value Index	3.68	(55)	1.85	(36)	7.34	(38)	10.19	(67)	7.31	(57)	12.33	(63)	
Difference	-0.58		0.06		1.12		-0.05		0.11		0.31		
IM U.S. All Cap Value Equity (SA+CF) Median	3.90		0.02		5.07		11.41		7.57		13.12		
Vanguard 500 Index Admiral (VFIAX)	4.30	(8)	2.49	(17)	10.38	(15)	14.15	(9)	10.69	(3)	8.35	(5)	12/01/2007
S&P 500 Index	4.30	(6)	2.51	(9)	10.42	(8)	14.19	(2)	10.71	(1)	8.40	(2)	
Difference	0.00		-0.02		-0.04		-0.04		-0.02		-0.05		
IM S&P 500 Index (MF) Median	4.21		2.29		10.11		13.79		10.28		7.94		
DSM Large Cap Growth	5.11	(50)	8.53	(11)	13.95	(32)	20.22	(25)	14.75	(19)	15.54	(39)	11/01/2008
Russell 1000 Growth Index	4.64	(59)	2.19	(64)	11.56	(52)	18.07	(47)	13.39	(42)	15.67	(35)	
Difference	0.47		6.34		2.39		2.15		1.36		-0.13		
IM U.S. Large Cap Growth Equity (SA+CF) Median	5.10		3.67		11.76		17.85		12.90		15.23		
Vanguard Mid-Cap Index Fund (VMCIX)	4.36	(39)	3.03	(16)	7.85	(18)	12.34	(20)	8.81	(16)	11.54	(11)	07/01/2013
CRSP U.S. Mid Cap TR Index	4.37	(39)	3.06	(16)	7.85	(19)	12.36	(19)	8.85	(14)	11.59	(9)	
Difference	-0.01		-0.03		0.00		-0.02		-0.04		-0.05		
IM U.S. Mid Cap Core Equity (MF) Median	4.11		0.11		4.05		9.66		6.11		8.99		
International Equity													
WCM International Growth Fund (WCMIX)	9.92	(1)	8.70	(2)	11.99	(2)	13.70	(2)	N/A		10.50	(1)	04/01/2015
MSCI AC World ex USA	3.22	(86)	0.99	(64)	1.80	(59)	9.91	(43)	2.65	(61)	4.51	(43)	
Difference	6.70		7.71		10.19		3.79		N/A		5.99		
IM International Large Cap Growth Equity (MF) Median	4.44		2.16		2.36		9.64		3.06		4.07		
American Funds EuroPacific Gr R6 (RERGX)	3.87	(72)	2.78	(39)	1.91	(56)	10.84	(21)	N/A		5.29	(31)	04/01/2015
MSCI AC World ex USA	3.22	(86)	0.99	(64)	1.80	(59)	9.91	(43)	2.65	(61)	4.51	(43)	
Difference	0.65		1.79		0.11		0.93		N/A		0.78		
IM International Large Cap Growth Equity (MF) Median	4.44		2.16		2.36		9.64		3.06		4.07		

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



Comparative Performance Trailing Returns

Total Fund

As of June 30, 2019

	QTR		FYTD		1 YR		3 YR		5 YR		Inception		Inception Date
Domestic Fixed Income													
Schroders Core Fixed Income	2.47	(55)	6.90	(14)	7.13	(26)	2.14	(72)	2.83	(29)	4.15	(42)	04/01/2007
Schroders Core Fixed Income Policy	2.39	(67)	6.61	(39)	6.73	(62)	2.03	(84)	2.46	(76)	3.77	(85)	
Difference	0.08		0.29		0.40		0.11		0.37		0.38		
IM U.S. Intermediate Duration (SA+CF) Median	2.51		6.48		6.87		2.33		2.66		4.06		
Schroders TIPS	2.56		5.24		4.76		2.14		1.59		3.24		11/01/2007
Bloomberg Barclays U.S. TIPS Index	2.86		5.70		4.84		2.08		1.76		3.76		
Difference	-0.30		-0.46		-0.08		0.06		-0.17		-0.52		
Blmbg. Barc. U.S. TIPS 1-10 Year	2.53		5.11		4.67		1.93		1.42		3.16		
Difference	0.03		0.13		0.09		0.21		0.17		0.08		
Global Fixed Income													
PIMCO Diversified Income Fund (PDIIX)	3.59	(37)	8.23	(12)	10.04	(2)	6.65	(1)	4.96	(1)	5.78	(1)	03/01/2011
Blmbg. Barc. Global Credit (Hedged)	3.60	(36)	8.27	(12)	9.32	(5)	4.65	(9)	4.35	(1)	5.15	(1)	
Difference	-0.01		-0.04		0.72		2.00		0.61		0.63		
IM Global Fixed Income (MF) Median	3.37		6.51		6.42		2.56		1.51		2.50		
Real Estate													
Intercontinental	1.45	(53)	5.67	(30)	8.33	(22)	11.00	(5)	12.02	(26)	12.53	(56)	04/01/2010
NCREIF ODCE	1.34	(66)	4.71	(80)	6.90	(84)	7.87	(75)	10.03	(63)	12.03	(79)	
Difference	0.11		0.96		1.43		3.13		1.99		0.50		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.46		5.12		7.59		8.26		10.41		12.82		
ASB RE	1.39	(62)	4.92	(67)	6.99	(79)	6.19	(96)	9.22	(87)	10.08	(87)	10/01/2012
NCREIF ODCE	1.34	(66)	4.71	(80)	6.90	(84)	7.87	(75)	10.03	(63)	10.57	(68)	
Difference	0.05		0.21		0.09		-1.68		-0.81		-0.49		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.46		5.12		7.59		8.26		10.41		11.19		

Returns for periods greater than one year are annualized. Returns are expressed as percentages.
 Parenthesized number represents pertinent peer group ranking: 1-100, best to worst
 Non-Core Fixed Income reported on IRR page.



- Returns prior to 9/30/2009 are gross of fees.

Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.

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