

Investment Performance Review
Period Ending March 31, 2019

West Palm Beach Police Pension Plan



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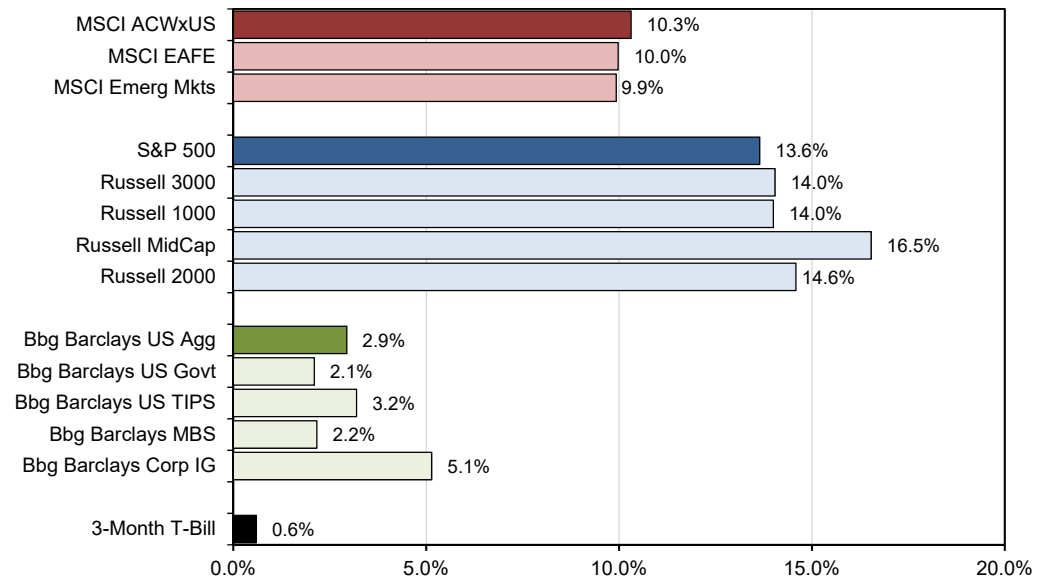


1st Quarter 2019 Market Environment

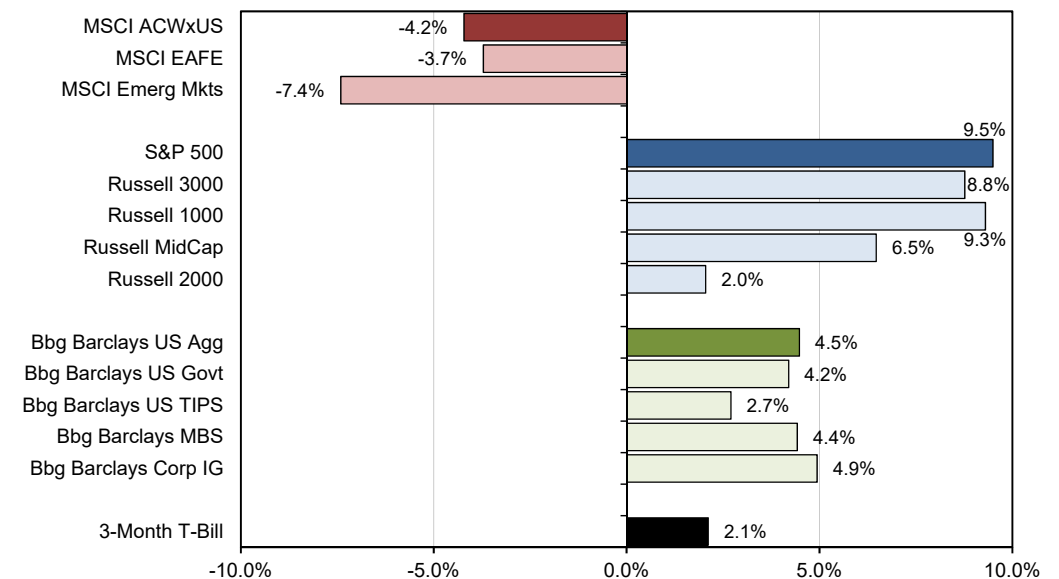


- After a difficult end to 2018, markets rebounded strongly during the 1st quarter of 2019 with higher risk assets posting the greatest returns. Broad international and domestic equity markets had double-digit gains during the period as investors overlooked signs of weakening global growth in favor of increased accommodation in global monetary policy and progress in global trade negotiations. While muted relative to equities, fixed income returns were also positive during the quarter. Within equities, domestic stocks outperformed international markets. US markets pushed higher as the US Federal Reserve (Fed) shifted their stance on monetary policy toward a more accommodative posture, the US and China moved closer to a resolution of their ongoing trade dispute and the partial government shutdown that began in December came to an end. The large cap S&P 500 Index returned 13.6% during the quarter while the small cap Russell 2000 Index gained 14.6% for the period. US equity returns over the 1-year period are positive with the S&P 500 appreciating 9.5% while the Russell 2000 posted a more modest gain of 2.0%.
- Similar to US markets, international equity investors were encouraged by a general easing in central bank monetary policy, including new stimulus measures in Europe and China, as well as the de-escalation of trade tensions with the US. Despite the continued softening in global macroeconomic data and the lack of certainty around Brexit, international equity index returns finished the quarter in positive territory with the MSCI ACWI ex US Index returning 10.3%. The developed market MSCI EAFE Index and the MSCI Emerging Markets Index had similar performance during the 1st quarter returning 10.0% and 9.9% respectively. Despite the strong quarter, returns over the 1-year period remain negative with developed markets falling -3.7%, outperforming emerging markets which fell -7.4%.
- Fixed income securities underperformed equities to start 2019 with the broad market Bloomberg Barclays Aggregate Index returning 2.9%. Interest rates fell for all maturities across the US Treasury Yield Curve as Fed guidance signaled a pause in monetary policy tightening through 2019. Interest rates in the middle of the curve saw the greatest declines causing the curve to invert with shorter-term maturities paying higher interest rates than those in the middle of the curve. This has historically preceded a recession by 6-24 months. Investment grade corporate issues were the best performing securities this quarter, outperforming Treasury and securitized issues. The Bloomberg Barclays Corporate IG Index returned 5.1% for the period, as corporate credit had tailwinds due to its greater interest rate sensitivity, higher yields and tightening credit spreads. Corporate issues also outperformed the other major fixed income sectors over the 1-year period, returning 4.9% versus a 4.5% return for the Bloomberg Barclays Aggregate Index.

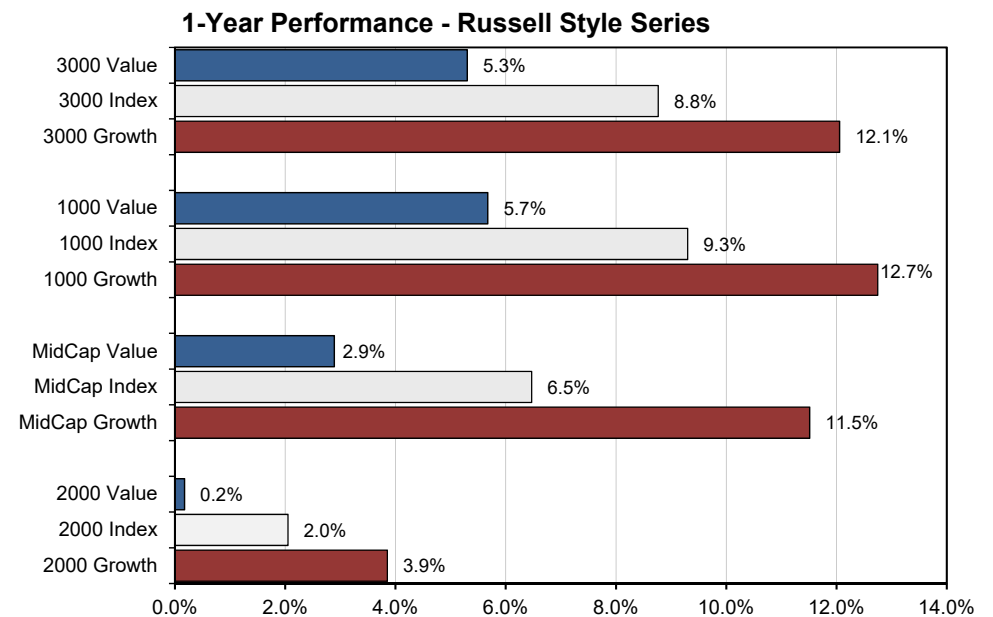
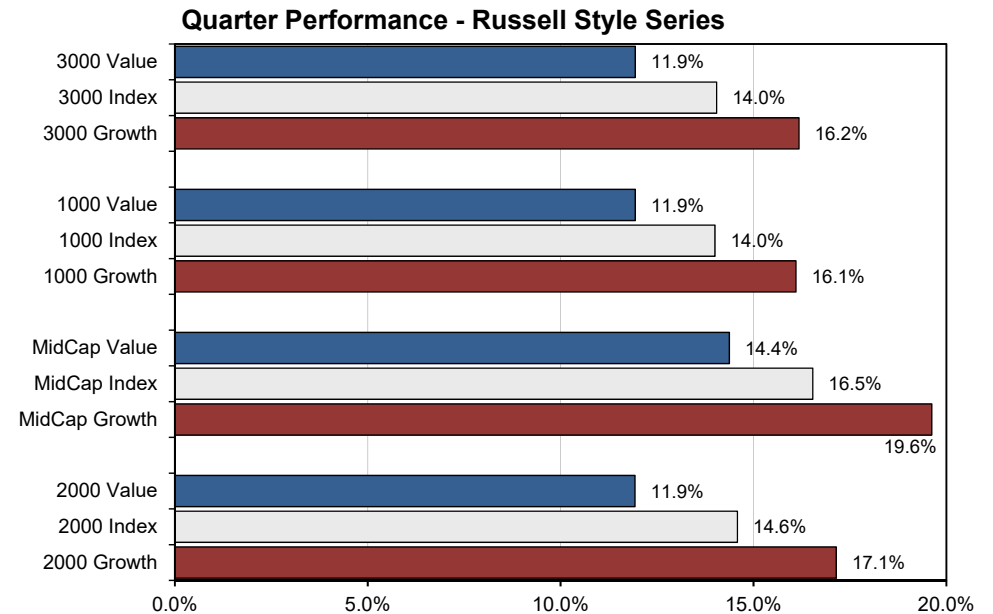
Quarter Performance



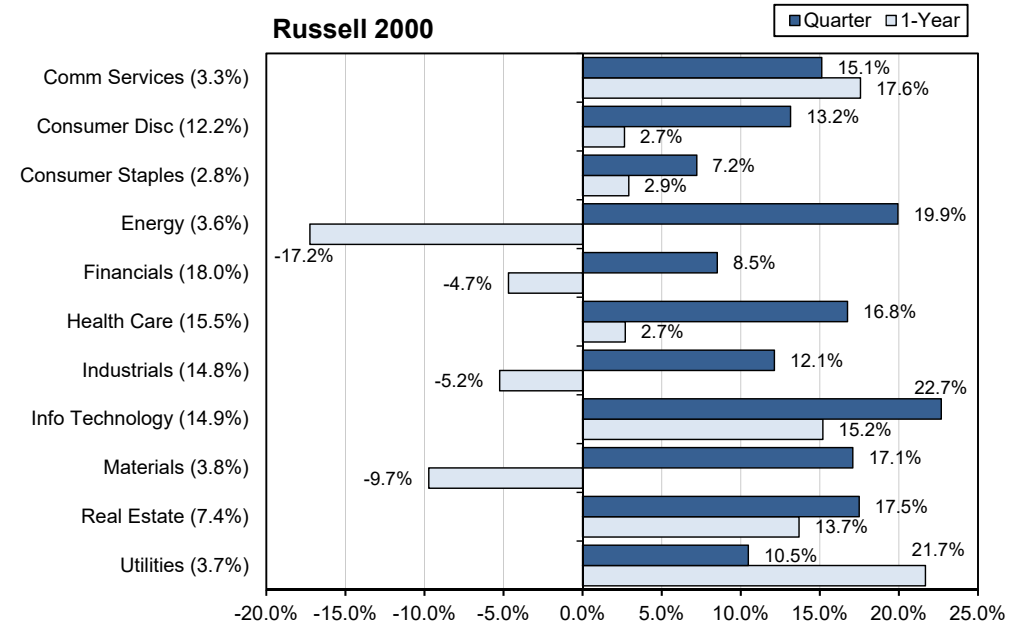
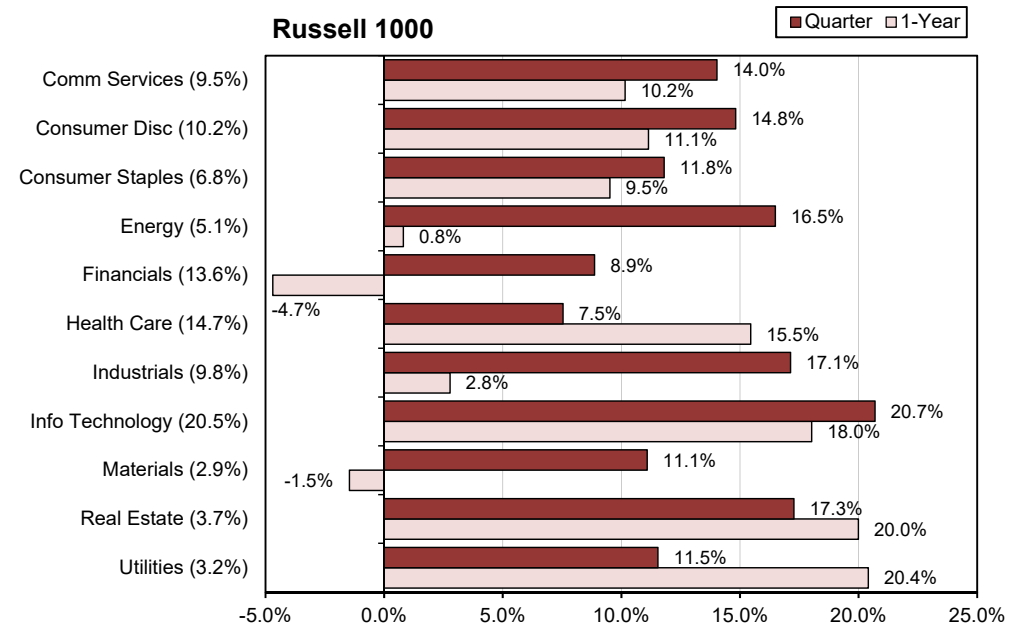
1-Year Performance



- US equity index returns were strongly positive across the style and capitalization spectrum to start the year with all indices posting double digit returns. Macroeconomic data released during the quarter was mixed with disappointing data released late in the quarter for GDP and employment being particularly notable. Even though earnings reported during the period were viewed favorably, many companies provided negative forward earnings guidance due to slowing global growth, trade concerns and the fading effects of US tax reform. However, investor concerns over the economy were overshadowed by positive developments in trade negotiations with China and an accommodative shift in Fed monetary policy. With regards to trade, President Trump delayed the implementation of new Chinese tariffs scheduled for March 1st citing substantial progress in ongoing discussions. Stocks also rallied on Fed guidance to put further monetary policy tightening on hold as they lowered projections for growth and inflation. Lastly, we saw the end of the partial government shutdown that began in December due to a partisan disagreement over funds for the construction of a border wall with Mexico. While the spending bill that passed did not budget for the wall, President Trump declared a national state of emergency later in the quarter in order to secure the needed funding.
- During the quarter, mid cap stocks were the best performers while small cap stocks outperformed large cap equities across growth, value and core indices. The Russell MidCap Index gained 16.5% during the period versus a 14.6% return for the small cap Russell 2000 Index and a 14.0% gain on the large cap Russell 1000 Index. Part of the reason for strength in small cap names is the projected hold on interest rate increases that occurred over 2018 as small and mid-cap companies typically maintain higher percentages of debt than their large cap peers. Small and mid-cap companies are usually more domestically focused which will serve as a tailwind in periods where the US economy is on stronger footing than international markets. It is also not unusual for smaller market cap stocks to outperform in risk-on market environments. When viewed over the most recent 1-year period, large cap stocks outperformed relative to small cap stocks. The Russell 1000 returned 9.3% for the year while the Russell 2000 gained only 2.0%.
- Growth indices outperformed value indices across the market cap spectrum during the 1st quarter. Growth stocks have outperformed value in all but one quarter over the last two years. The Russell MidCap Growth Index was the best performing style index for the period, returning 19.6% for the quarter. The large cap and small cap value indices had the lowest relative returns, both gaining 11.9%. The trend of growth outperformance is also visible over the 1-year period as growth indices have benefitted from larger exposures to technology which has been a large driver of index performance over the last year, as well as a meaningful underweight to financials which has been a relative detractor.



- Sector performance was broadly positive across large cap sectors for the 1st quarter. There were strong gains for all sectors within the Russell 1000 Index during for the period with five sectors outpacing the return of the index. While the rally was broad with nine of eleven sectors posting double digit returns, cyclical sectors such as technology, industrials and energy were some of the best performers through the quarter returning 20.7%, 17.1% and 16.5% respectively. Technology stocks rose on strong earnings and attractive valuations following their 4th quarter 2018 sell off. Energy companies benefitted from a large rebound in oil prices which increased by over 30% during the quarter following an OPEC led supply cut and US sanctions against Iran and Venezuela. Industrial stocks, among others, gained on hopes that trade tensions between the US and China would continue to abate. REITs also had a particularly strong quarter, returning 17.3% as the prospect of lower interest rates acted as a tailwind. Financials and health care stocks were the worst performers during the period returning 8.9% and 7.5% respectively. Health care stocks faced uncertainty around the potential for future regulation following congressional hearings on drug pricing while the prospect of lower earnings due to a muted interest rate environment weighed on financial stocks. Returns over the 1-year period were positive with nine out of eleven sectors posting gains, six of which were over 10%. Utilities, REITs and information technology were the best performers returning 20.4%, 20.0% and 18.0% respectively. Financials and materials posted negative results at -4.7% and -1.5% while energy was only slightly positive at 0.8%.
- Quarterly results for small cap sectors were mixed relative to their large capitalization counterparts with six of eleven sectors outperforming their corresponding large cap equivalents. Like large caps, all eleven sectors produced gains during the period with six of eleven economic sectors outpacing the Russell 2000 Index return for the quarter and nine returning over 10.0%. Similar to large caps, cyclical sectors performed well with technology, energy and materials returning 22.7%, 19.9% and 17.1% respectively. Real estate also did well returning 17.5%. The largest detractors over the period were consumer staples, financials and utilities which still produced gains of 7.2%, 8.5% and 10.5%. Over the trailing 1-year period, returns varied significantly with four sectors posting double digit gains and four losing value. Despite a very strong quarter, energy stocks were the worst performers over the 1-year period, falling a considerable -17.2%, while the defensive utilities sector produced the greatest gains, appreciating 21.7%.



The Market Environment
Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000
As of March 31, 2019

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	3.42%	20.9%	14.9%	Information Technology
Microsoft Corp	3.39%	16.6%	30.8%	Information Technology
Amazon.com Inc	2.78%	18.6%	23.0%	Consumer Discretionary
Facebook Inc A	1.50%	27.2%	4.3%	Communication Services
Berkshire Hathaway Inc B	1.48%	-1.6%	0.7%	Financials
Johnson & Johnson	1.42%	9.0%	12.1%	Health Care
Alphabet Inc C	1.36%	13.3%	13.7%	Communication Services
Alphabet Inc A	1.33%	12.6%	13.5%	Communication Services
Exxon Mobil Corp	1.30%	19.8%	12.9%	Energy
JPMorgan Chase & Co	1.27%	4.6%	-5.6%	Financials

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Versum Materials Inc	0.02%	81.9%	34.7%	Information Technology
Coty Inc Class A	0.02%	77.3%	-34.3%	Consumer Staples
Nabors Industries Ltd	0.00%	72.5%	-48.7%	Energy
Sage Therapeutics Inc	0.03%	66.0%	-1.3%	Health Care
Wayfair Inc Class A	0.03%	64.8%	119.8%	Consumer Discretionary
Chipotle Mexican Grill Inc Class A	0.07%	64.5%	119.8%	Consumer Discretionary
Universal Display Corp	0.02%	63.5%	51.7%	Information Technology
Xerox Corp	0.02%	63.1%	15.7%	Information Technology
Floor & Decor Holdings Inc	0.01%	59.2%	-20.9%	Consumer Discretionary
bluebird bio Inc	0.03%	58.6%	-7.9%	Health Care

Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Uniti Group Inc	0.01%	-27.8%	-23.8%	Real Estate
PG&E Corp	0.03%	-25.1%	-59.5%	Utilities
The Kraft Heinz Co	0.07%	-23.2%	-45.1%	Consumer Staples
Realogy Holdings Corp	0.01%	-21.8%	-57.3%	Real Estate
Nu Skin Enterprises Inc Class A	0.01%	-21.5%	-33.7%	Consumer Staples
Biogen Inc	0.18%	-21.4%	-13.7%	Health Care
Centennial Resource Development A	0.01%	-20.2%	-52.1%	Energy
CenturyLink Inc	0.04%	-19.3%	-19.0%	Communication Services
Qurate Retail Inc Class A	0.03%	-18.1%	-36.5%	Consumer Discretionary
Macy's Inc	0.03%	-18.0%	-15.2%	Consumer Discretionary

Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Etsy Inc	0.40%	41.3%	139.6%	Consumer Discretionary
Five Below Inc	0.33%	21.4%	69.4%	Consumer Discretionary
The Trade Desk Inc A	0.32%	70.6%	298.9%	Information Technology
Integrated Device Technology Inc	0.31%	1.2%	60.3%	Information Technology
HubSpot Inc	0.30%	32.2%	53.5%	Information Technology
Planet Fitness Inc A	0.30%	28.2%	81.9%	Consumer Discretionary
Cree Inc	0.29%	33.8%	41.9%	Information Technology
Ciena Corp	0.26%	10.1%	44.2%	Information Technology
Primerica Inc	0.26%	25.4%	27.7%	Financials
Array BioPharma Inc	0.25%	71.1%	49.4%	Health Care

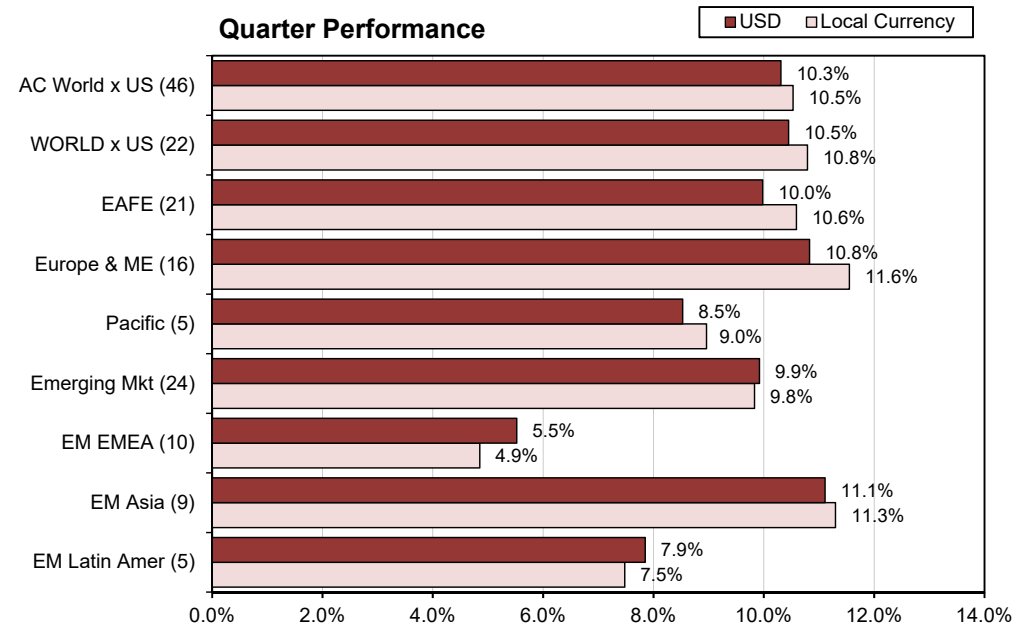
Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Immune Design Corp	0.01%	350.0%	77.3%	Health Care
Diebold Nixdorf Inc	0.04%	344.6%	-28.1%	Information Technology
Constellation Pharmaceuticals Inc	0.01%	237.9%	N/A	Health Care
Flotek Industries Inc	0.01%	197.2%	-46.9%	Materials
Spark Therapeutics Inc	0.18%	191.0%	71.0%	Health Care
Magenta Therapeutics Inc	0.01%	188.9%	N/A	Health Care
ION Geophysical Corp	0.01%	178.8%	-46.7%	Energy
Catalyst Pharmaceuticals Inc	0.02%	165.6%	113.4%	Health Care
VirnetX Holding Corp	0.02%	163.8%	60.3%	Information Technology
Rockwell Medical Inc	0.01%	151.8%	9.2%	Health Care

Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Zomedica Pharmaceuticals Corp	0.00%	-77.0%	-84.2%	Health Care
Aptinyx Inc	0.00%	-75.5%	N/A	Health Care
Alta Mesa Resources Inc Class A	0.00%	-73.5%	-96.7%	Energy
Novavax Inc	0.01%	-70.1%	-73.8%	Health Care
Maxar Technologies Inc	0.01%	-66.3%	-91.0%	Industrials
Solid Biosciences Inc	0.01%	-65.7%	22.7%	Health Care
Achaogen Inc	0.00%	-62.9%	-96.5%	Health Care
EP Energy Corp A	0.00%	-62.9%	-80.6%	Energy
Proteostasis Therapeutics Inc	0.00%	-61.1%	-73.5%	Health Care
Approach Resources Inc	0.00%	-59.4%	-86.4%	Energy

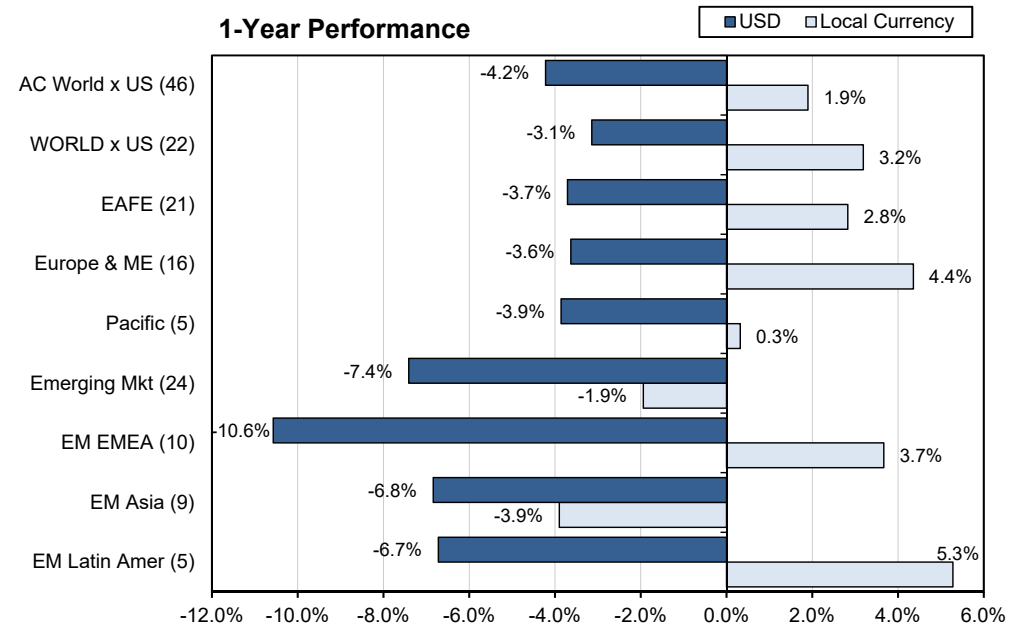


- Broad international equity returns were positive for the quarter in both local currency and USD terms. The MSCI ACWI ex US Index gained 10.5% in local currency terms and 10.3% in USD terms during the 1st quarter. Similar to US markets, international equity investors were encouraged by central bank responses to slowing global growth as they shifted towards more accommodative policies and the improvement in dialogue around global trade. Returns in local currency typically outperformed USD returns in the developed markets, as the USD continued to strengthen against most major developed currencies. While the currency effect was detrimental in developed markets, it acted as a slight tailwind in emerging markets. The USD strength is particularly noticeable over the 1-year period where local currency returns on the MSCI ACWI ex US Index were 1.9%, but after accounting for foreign exchange, translated to a loss of -4.2% for a USD investor.
- Fourth quarter results for developed market international indices were positive in both local currency and USD terms with the MSCI EAFE Index returning 10.6% and 10.0% respectively. Ongoing weakness in global economic reporting pushed major central banks to move toward less restrictive postures around monetary policy. In Europe, the European Central Bank (ECB) announced plans for additional stimulus while putting any future interest rate increases on hold until 2020. The Bank of England (BoE) left policy unchanged as uncertainties around Brexit coincided with a slowing economy. Prime Minister Theresa May held two votes on her withdrawal plan, both of which failed, forcing her to request an extension to the March 29th withdrawal deadline. Data from Japan drew concerns that the country's economy is contracting as corporate earnings, exports, manufacturing, retail sales and inflation all hinted at an economic slowdown. The MSCI EAFE Index returned 2.8% and -3.7% for the last twelve months in local currency and USD terms respectively.
- Emerging markets slightly underperformed relative to developed markets for the 1st quarter, but still appreciated in both local currency and USD terms with the MSCI Emerging Markets Index returning 9.8% and 9.9% respectively. A major tailwind for equity markets was the improvement in trade relations between the US and China. As Chinese economic data appeared to be slowing, the Chinese government also announced continued stimulus in the form of tax cuts, infrastructure investment and lowered the reserve requirement for banks in order to encourage lending. We also saw commodity prices rise over the quarter which is generally beneficial to emerging market countries with rising oil prices helping Russian and Colombian equity returns. In Brazil, President Jair Bolsonaro officially took office. Bolsonaro announced his plan to reform the country's debt laden pension system and promised market friendly economic reforms. One year returns for the MSCI Emerging Market Index were -1.9% in local currency terms and -7.4% in USD terms.

Quarter Performance



1-Year Performance



The Market Environment
US Dollar International Index Attribution & Country Detail
As of March 31, 2019

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.4%	4.3%	-4.5%
Consumer Discretionary	11.0%	7.5%	-10.4%
Consumer Staples	11.8%	12.4%	3.3%
Energy	5.9%	10.4%	4.6%
Financials	18.9%	6.9%	-12.7%
Health Care	11.3%	11.2%	7.4%
Industrials	14.4%	10.6%	-5.4%
Information Technology	6.3%	15.3%	-3.8%
Materials	7.5%	13.2%	-3.0%
Real Estate	3.9%	14.0%	4.2%
Utilities	3.7%	9.0%	8.7%
Total	100.0%	10.0%	-3.7%

MSCI - ACWxUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	7.1%	6.9%	-1.8%
Consumer Discretionary	11.1%	11.2%	-10.3%
Consumer Staples	9.9%	11.2%	1.6%
Energy	7.4%	12.4%	5.2%
Financials	21.6%	7.7%	-9.4%
Health Care	8.4%	11.0%	4.4%
Industrials	11.7%	10.2%	-4.9%
Information Technology	8.4%	14.7%	-7.3%
Materials	7.6%	11.3%	-3.6%
Real Estate	3.5%	14.4%	2.8%
Utilities	3.3%	8.2%	6.1%
Total	100.0%	10.3%	-4.2%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	12.3%	9.5%	-3.3%
Consumer Discretionary	13.4%	20.8%	-13.2%
Consumer Staples	6.4%	5.3%	-8.4%
Energy	8.1%	12.2%	9.4%
Financials	24.2%	7.2%	-6.0%
Health Care	2.6%	3.6%	-23.4%
Industrials	5.4%	4.8%	-7.6%
Information Technology	14.6%	12.8%	-10.8%
Materials	7.4%	6.9%	-6.2%
Real Estate	3.2%	15.6%	-2.1%
Utilities	2.5%	4.2%	-2.7%
Total	100.0%	9.9%	-7.4%

Country	MSCI-EAFE Weight	MSCI-ACWxUS Weight	Quarter Return	1-Year Return
Japan	24.0%	16.1%	6.7%	-7.8%
United Kingdom	17.1%	11.5%	11.9%	-0.1%
France	11.3%	7.6%	10.7%	-3.7%
Switzerland	8.9%	6.0%	13.1%	7.5%
Germany	8.6%	5.8%	6.9%	-13.7%
Australia	6.9%	4.7%	11.4%	4.5%
Hong Kong	4.1%	2.8%	15.6%	8.0%
Netherlands	3.6%	2.4%	13.6%	-2.3%
Spain	3.0%	2.0%	7.0%	-8.8%
Sweden	2.6%	1.8%	7.4%	-5.1%
Italy	2.4%	1.6%	14.6%	-10.6%
Denmark	1.8%	1.2%	12.8%	-3.2%
Singapore	1.3%	0.9%	6.2%	-6.4%
Finland	1.0%	0.7%	8.0%	-3.6%
Belgium	1.0%	0.7%	16.2%	-15.5%
Norway	0.7%	0.5%	7.0%	-4.4%
Ireland	0.5%	0.4%	11.4%	-11.6%
Israel	0.5%	0.4%	10.1%	9.9%
Austria	0.2%	0.2%	8.4%	-23.0%
New Zealand	0.2%	0.2%	16.7%	18.1%
Portugal	0.2%	0.1%	10.2%	-4.9%
Total EAFE Countries	100.0%	67.1%	10.0%	-3.7%
Canada		6.8%	15.4%	3.1%
Total Developed Countries		73.9%	10.5%	-3.1%
China		8.6%	17.7%	-6.2%
Korea		3.4%	4.9%	-16.7%
Taiwan		3.0%	9.0%	-6.1%
India		2.4%	7.2%	6.8%
Brazil		1.9%	8.1%	-4.2%
South Africa		1.5%	4.4%	-18.0%
Russia		1.0%	12.2%	2.2%
Mexico		0.7%	5.5%	-11.7%
Thailand		0.6%	7.4%	-6.9%
Indonesia		0.6%	4.3%	2.0%
Malaysia		0.6%	0.3%	-13.1%
Poland		0.3%	-0.6%	-5.7%
Philippines		0.3%	7.9%	1.8%
Chile		0.3%	4.1%	-17.5%
Qatar		0.2%	-3.5%	22.2%
United Arab Emirates		0.2%	8.7%	1.3%
Turkey		0.1%	-3.2%	-40.3%
Colombia		0.1%	24.8%	5.3%
Peru		0.1%	11.0%	2.2%
Hungary		0.1%	6.0%	0.5%
Greece		0.1%	12.8%	-23.6%
Czech Republic		0.0%	3.8%	-6.8%
Egypt		0.0%	15.8%	-10.2%
Pakistan		0.0%	8.3%	-36.6%
Total Emerging Countries		26.1%	9.9%	-7.4%
Total ACWxUS Countries		100.0%	10.3%	-4.2%

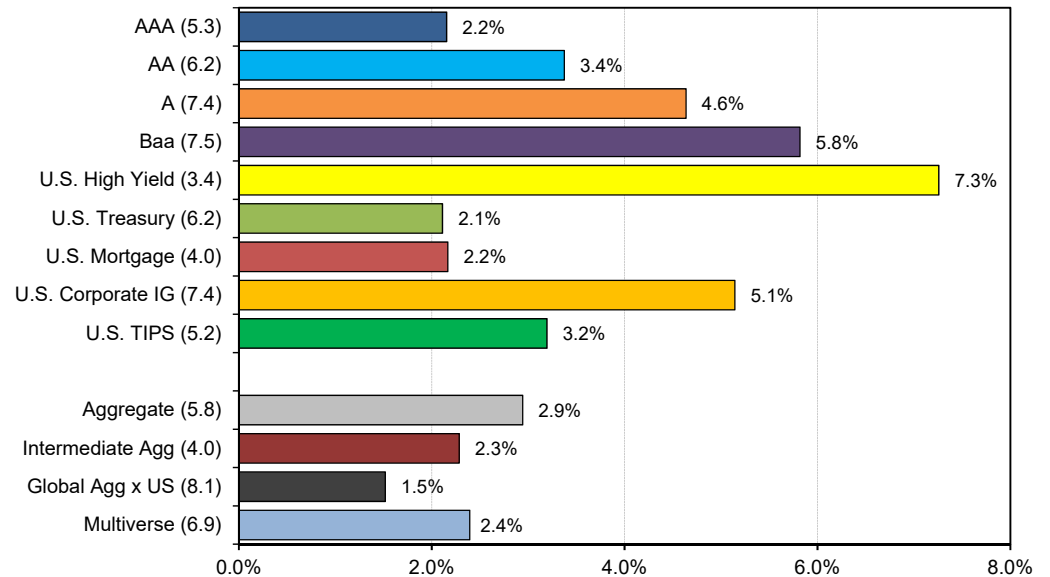
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

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.

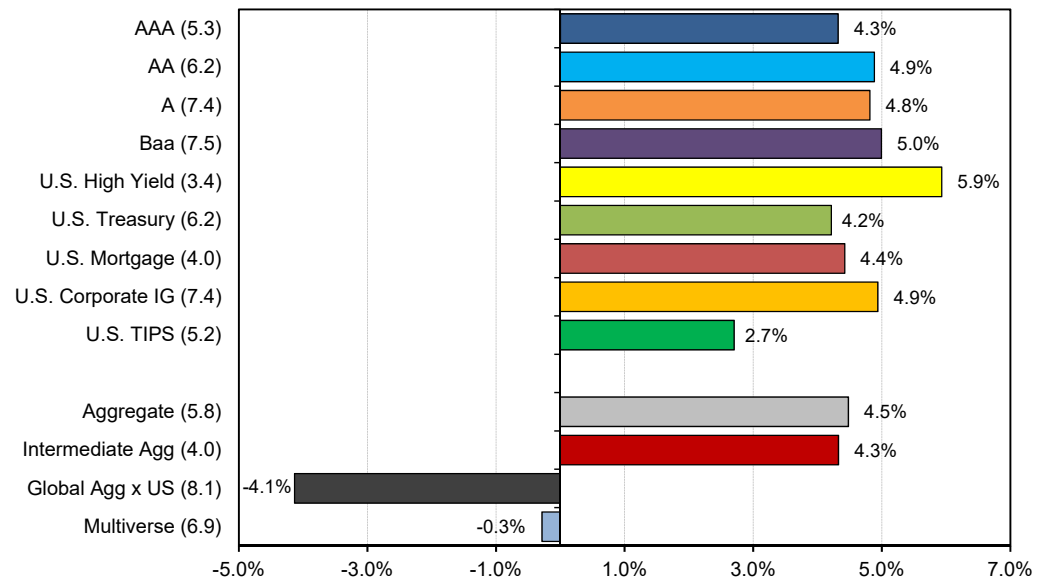


- Broad fixed income benchmarks were positive to start 2019. Following the late 2018 market volatility, the Federal Open Market Committee (FOMC) issued dovish guidance after their January meeting stating that they would be patient in determining future interest rate adjustments. The FOMC also commented on the ongoing balance sheet reduction program, stating that they would be open to changes to the program if market conditions warranted them. Later in March, Fed Chair Jerome Powell communicated that the FOMC is no longer projecting any further interest rate increases through 2019. He also stated that they would begin tapering the roll off from the balance sheet reduction program in May with a plan to halt the program entirely in September. The stoppage of the balance sheet reduction program represents an easing of monetary policy. Interest rates fell across all maturities on the US Treasury Yield Curve with the greatest declines occurring in the mid- and long-term issues. This caused continued inversion in the yield curve with short-term maturities paying higher interest rates than issues in the mid- to long-end of the curve. The difference in yields between the 2-year and 10-year Treasury now sits at just 0.14% with the 30-day T-Bill yielding more than the 10-year bond by 0.02%. Historically, an inverted yield curve has been a leading indicator of a recession in the next 6-24 months. The bellwether Bloomberg Barclays US Aggregate Index posted positive returns for both the 1st quarter and the 1-year period, returning 2.9% and 4.5% respectively.
- Within investment grade credit, lower quality issues outperformed higher quality issues as investors gravitated toward higher risk securities during the quarter. Lower quality issues also benefitted from their higher durations. 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 5.8% for the quarter, while AAA was the worst performing, returning 2.2%. Despite their relatively low durations, high yield securities posted very strong returns for the quarter, gaining 7.3%, as spreads tightened by 135 basis points on these issues. When viewed over the 1-year period, returns for the various quality segments generally show lower quality securities outperforming higher quality issues by a small margin.
- During the 1st quarter, investment grade corporates outperformed the more defensive Treasury and mortgage backed sectors of the Bloomberg Barclays US Aggregate Index's three broad sectors. Investment grade corporate credit returned 5.1%, as the drop in interest rates benefitted these securities to a greater degree and credit spreads tightened considerably since the end of 2018. This quarter's performance carried through to the 1-year period as corporate credit outperformed both Treasuries and mortgage backed securities. Corporate issues returned 4.9% versus a 4.4% return for mortgages and 4.2% gain on Treasury securities.

Quarter Performance

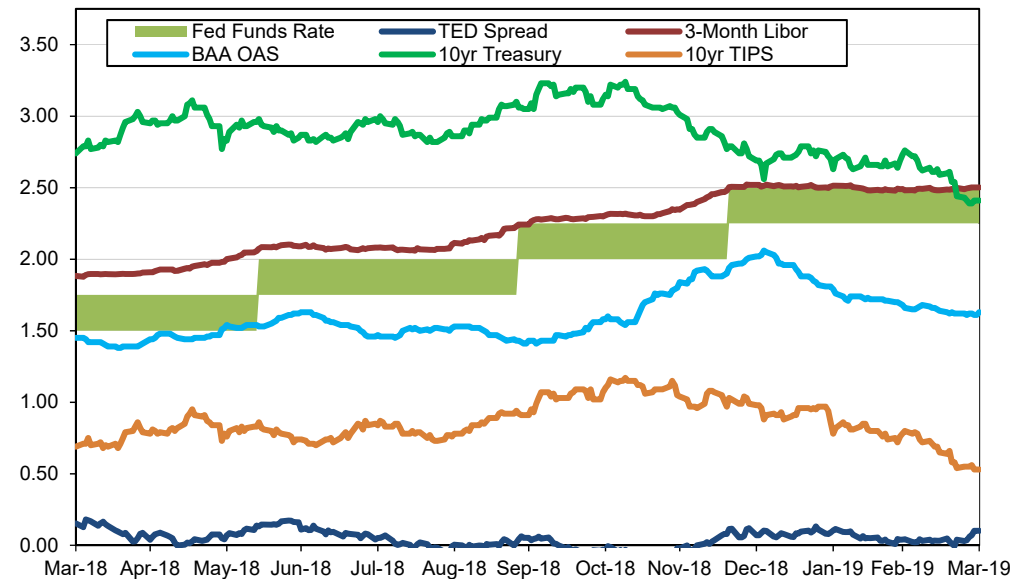


1-Year Performance

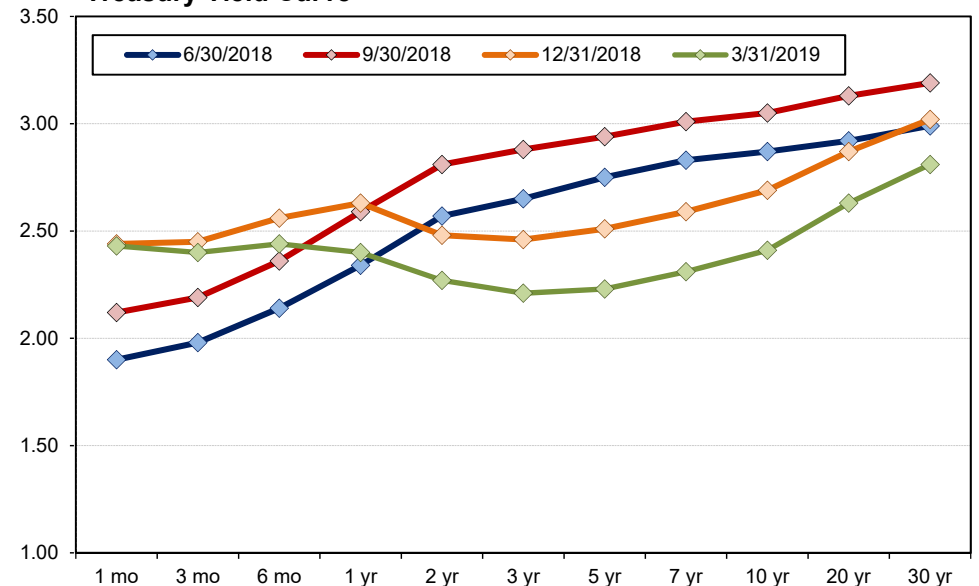


- Global fixed income indices continue to struggle relative to their domestic counterparts, underperforming during the 1st quarter. These indices have lower, or in some cases (Germany, Japan), negative yields and the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. The USD has appreciated against most other developed currencies, negatively impacting the returns on global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was 1.5% and -4.1% for the quarter and 1-year period respectively. As global growth has shown signs of stalling, several international central banks have started to step back from more restrictive postures. Notably, the ECB announced a program to extend loans to European banks in an effort to increase lending and pledged to keep interest rates steady through the end of 2019. China also announced new stimulus to help spur its economy. 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 the 10-year Treasury yield (green line) fell from recent high's greater than 3.0%, to yields below 2.5% to end the first quarter. 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 a relatively tight range in credit spreads throughout most of 2018, but highlights an abrupt increase during the 4th quarter of 2018 as investors moved to higher quality assets during the quarter's risk-off environment. Subsequently, spreads dropped steadily over the 1st quarter of 2019. This spread tightening is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. These credit spreads have tightened by about 34 basis points over the last three months. The green band across the graph illustrates the gradual increase in the Federal Funds Rate due to the tightening of US monetary policy during 2018. As mentioned, the Fed's current guidance is for zero rate increases in 2019.
- 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 of 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-term maturities fell less than interest rates in the middle- to long-end of the curve.

1-Year Trailing Market Rates



Treasury Yield Curve



Total Fund Compliance:	Yes	No
The total plan return (net) equaled or exceeded the total plan benchmark over the trailing three year period.		•
The total plan return (net) equaled or exceeded the total plan benchmark over the trailing five year period.		•
The three year return ranks in the top 40% of its peers.	•	
The five year return ranks in the top 40% of its peers.	•	
The five year standard deviation is less than the total fund index standard deviation.		•

Equity Compliance:	Yes	No
The total equity return (net) equaled or exceeded the benchmark over the trailing three year period.		•
The total equity return (net) equaled or exceeded the benchmark over the trailing five year period.		•
The amount invested in any one issuing company is less than 5% of the Fund's total assets.	•	
The aggregate investment in any one company less than 5% of the outstanding stock of the company.	•	
The amount invested in common stocks and convertible bonds is less than or equal to 70% of the Total Fund's total assets at market value.	•	

Fixed Income Compliance:	Yes	No
The total fixed income return (net) equaled or exceeded the benchmark over the trailing three year period.	•	
The total fixed income return (net) equaled or exceeded the benchmark over the trailing five year period.	•	
The minimum quality rating of the domestic bond investments is BBB from Standard & Poor's or BAA from Moody's.	•	



West Palm Beach Police POB
Total Fund Net Return
March, 31 2019

	Beginning Market Value	Total Fund Net Return	\$ Net Difference	Ending Market Value	Annualized Net Return
July 2016	\$50,000,000	NA		\$50,000,000	NA
August 2016	\$50,000,000	0.46%	\$230,550	\$50,230,550	0.50%
September 2016	\$50,230,550	0.42%	\$211,521	\$50,442,071	0.96%
12/31/2016	\$50,442,071	3.01%	\$1,517,096	\$51,959,167	4.21%
3/31/2017	\$51,959,167	3.61%	\$1,876,297	\$53,835,464	8.09%
6/30/2017	\$53,835,464	2.55%	\$1,372,212	\$55,207,676	10.94%
9/30/2017	\$55,207,676	3.65%	\$2,012,320	\$57,219,996	12.82%
12/31/2017	\$57,219,996	3.89%	\$2,226,373	\$59,446,369	13.54%
3/31/2018	\$59,446,369	-0.33%	(\$194,627)	\$59,251,741	11.23%
6/30/2018	\$59,251,741	2.53%	\$1,501,439	\$60,753,181	11.21%
9/30/2018	\$60,753,181	3.46%	\$2,100,055	\$62,853,236	11.64%
12/31/2018	\$62,853,236	-9.35%	(\$5,876,778)	\$56,976,459	6.05%
3/31/2019	\$56,976,459	8.80%	\$5,013,928	\$61,990,387	11.23%



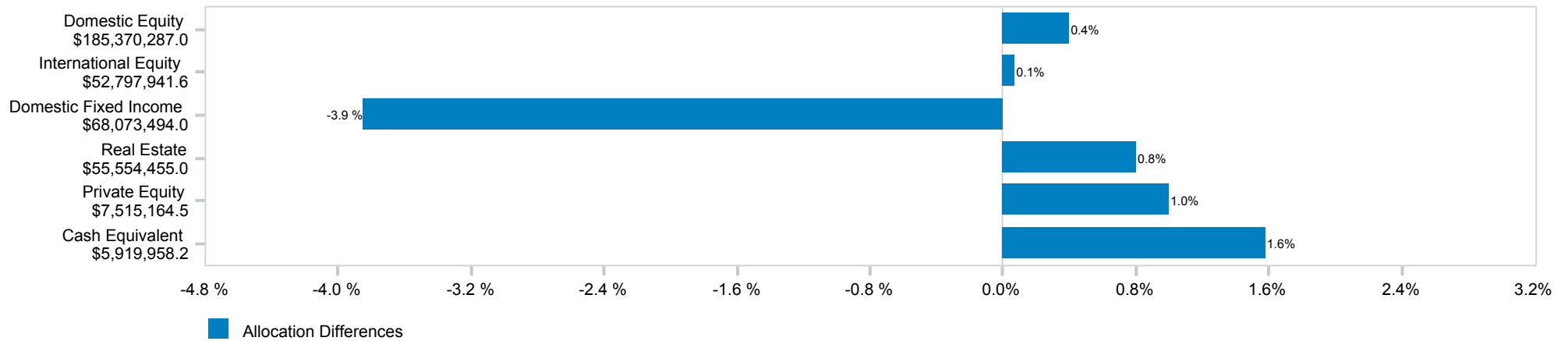
Asset Allocation Compliance

	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Total Fund Composite	375,231,300	100.0	100.0	0.0	-
Eagle Equity	25,209,296	6.7	5.0	1.7	-6,447,731
Anchor Equity	18,828,178	5.0	5.0	0.0	-66,613
New Amsterdam Equity	18,684,063	5.0	5.0	0.0	77,502
RhumbLine Equity S&P 500	40,130,494	10.7	9.0	1.7	-6,359,677
RhumbLine S&P Mid Cap 400	16,569,848	4.4	5.0	-0.6	2,191,717
SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8	5.0	-1.2	4,682,904
RhumbLine R1000 Growth	20,243,336	5.4	5.0	0.4	-1,481,771
Wellington	18,247,157	4.9	5.0	-0.1	514,408
RhumbLine R1000 Value	16,009,566	4.3	5.0	-0.7	2,751,999
Oppenheimer Int Equity	13,347,852	3.6	4.0	-0.4	1,661,400
Vanguard Intl Equity (VTRIX)	19,732,089	5.3	5.0	0.3	-970,524
RhumbLine International Equity	19,718,001	5.3	5.0	0.3	-956,436
Garcia Hamilton Fixed Income	70,462,141	18.8	22.0	-3.2	12,088,745
Intercontinental	35,246,179	9.4	9.0	0.4	-1,475,362
J.P. Morgan	20,308,276	5.4	5.0	0.4	-1,546,711
Aberdeen U.S. P.E. VII	5,256,747	1.4	0.5	0.9	-3,380,590
JP Morgan Global P.E. VII	2,258,418	0.6	0.5	0.1	-382,261
R&D Cash	900,739	0.2	0.0	0.2	-900,739



Asset Allocation Compliance

	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	185,370,287	49.4	49.0	0.4	-1,506,950
International Equity	52,797,942	14.1	14.0	0.1	-265,560
Domestic Fixed Income	68,073,494	18.1	22.0	-3.9	14,477,392
Real Estate	55,554,455	14.8	14.0	0.8	-3,022,073
Private Equity	7,515,165	2.0	1.0	1.0	-3,762,852
Cash Equivalent	5,919,958	1.6	0.0	1.6	-5,919,958
Total Fund	375,231,300	100.0	100.0	0.0	-

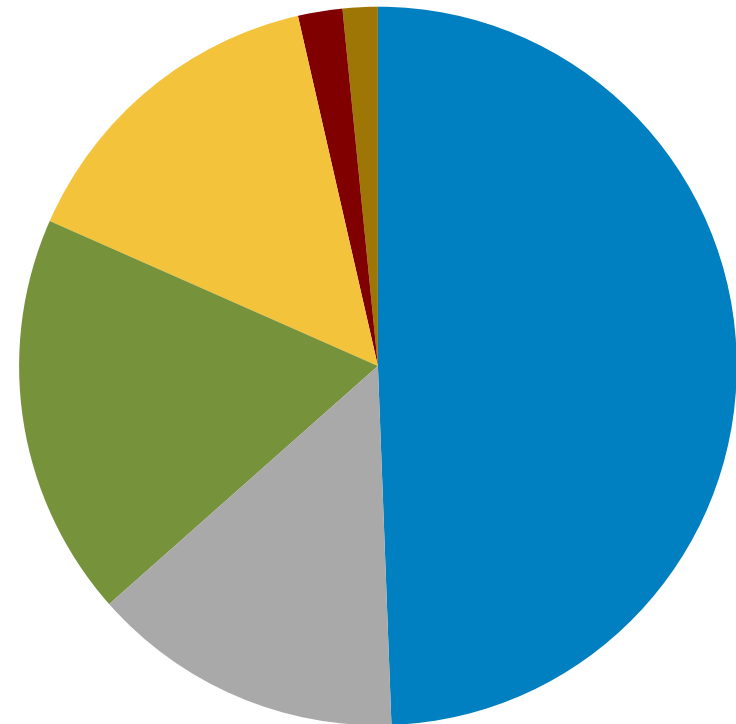
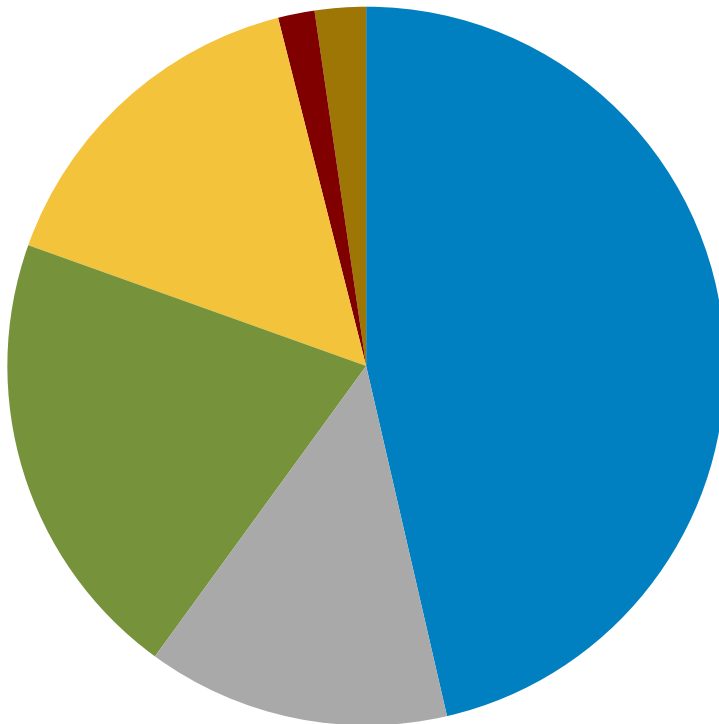


Executive Summary



Asset Allocation By Segment as of
 December 31, 2018 : \$350,352,273

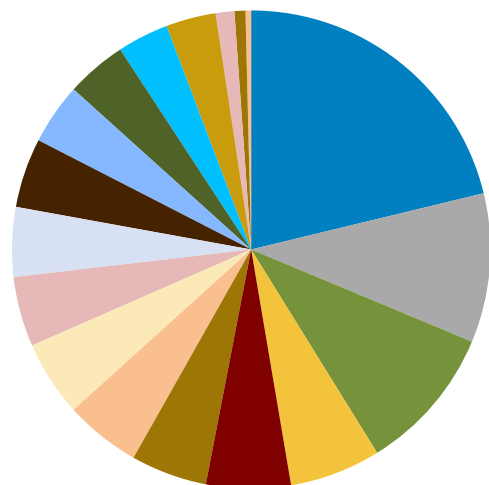
Asset Allocation By Segment as of
 March 31, 2019 : \$375,231,300



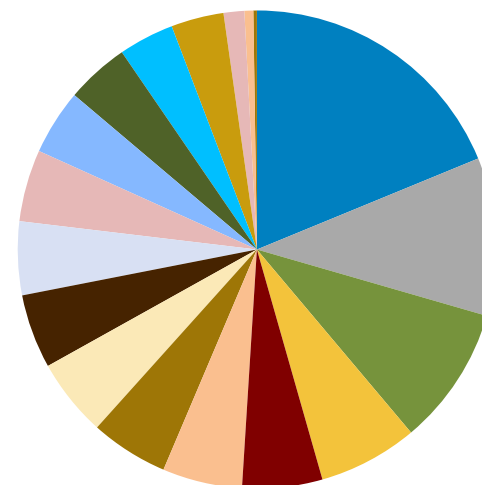
Allocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	162,519,800	46.4	Domestic Equity	185,370,287	49.4
International Equity	47,756,660	13.6	International Equity	52,797,942	14.1
Domestic Fixed Income	71,614,351	20.4	Domestic Fixed Income	68,073,494	18.1
Real Estate	54,618,711	15.6	Real Estate	55,554,455	14.8
Private Equity	5,763,506	1.6	Private Equity	7,515,165	2.0
Cash Equivalent	8,079,244	2.3	Cash Equivalent	5,919,958	1.6



Asset Allocation By Manager as of
December 31, 2018 : \$350,352,273



Asset Allocation By Manager as of
March 31, 2019 : \$375,231,300

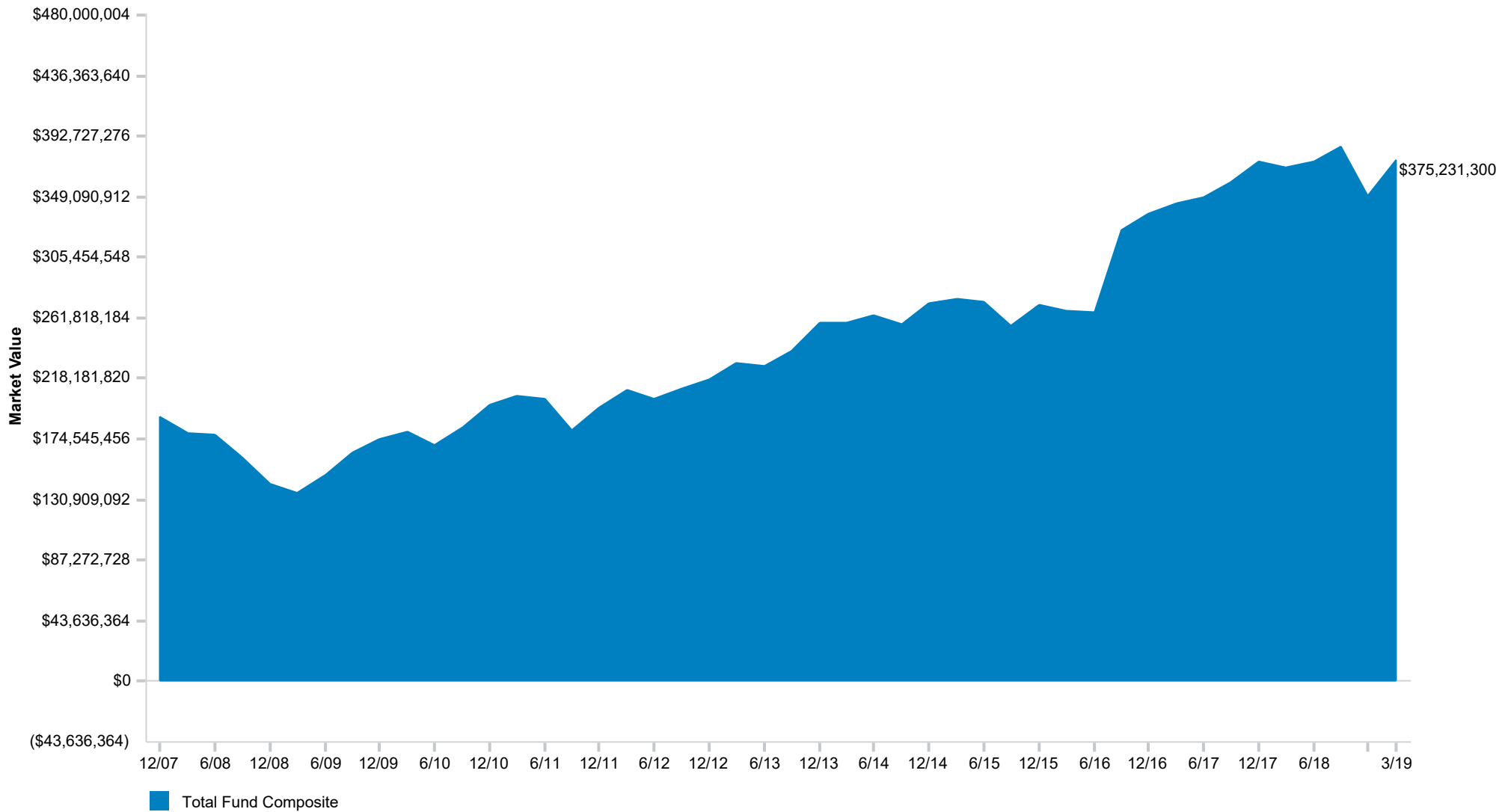


Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Garcia Hamilton Fixed Income	74,311,624	21.2	Garcia Hamilton Fixed Income	70,462,141	18.8
RhumbLine Equity S&P 500	35,314,986	10.1	RhumbLine Equity S&P 500	40,130,494	10.7
Intercontinental	34,628,445	9.9	Intercontinental	35,246,179	9.4
Eagle Equity	21,578,266	6.2	Eagle Equity	25,209,296	6.7
J.P. Morgan	19,990,266	5.7	J.P. Morgan	20,308,276	5.4
Vanguard Intl Equity (VTRIX)	18,030,175	5.1	RhumbLine R1000 Growth	20,243,336	5.4
RhumbLine R1000 Growth	17,973,467	5.1	Vanguard Intl Equity (VTRIX)	19,732,089	5.3
RhumbLine International Equity	17,910,853	5.1	RhumbLine International Equity	19,718,001	5.3
Wellington	16,571,934	4.7	Anchor Equity	18,828,178	5.0
New Amsterdam Equity	16,497,690	4.7	New Amsterdam Equity	18,684,063	5.0
Anchor Equity	16,431,763	4.7	Wellington	18,247,157	4.9
RhumbLine S&P Mid Cap 400	14,477,881	4.1	RhumbLine S&P Mid Cap 400	16,569,848	4.4
RhumbLine R1000 Value	14,309,850	4.1	RhumbLine R1000 Value	16,009,566	4.3
SSGA Small-Mid Cap Equity (SSMKX)	12,153,579	3.5	SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8
Oppenheimer Int Equity	11,815,632	3.4	Oppenheimer Int Equity	13,347,852	3.6
Aberdeen U.S. P.E. VII	4,422,735	1.3	Aberdeen U.S. P.E. VII	5,256,747	1.4
R&D Cash	2,592,096	0.7	JP Morgan Global P.E. VII	2,258,418	0.6
JP Morgan Global P.E. VII	1,340,771	0.4	R&D Cash	900,739	0.2
Mutual Fund Cash	260	0.0	Mutual Fund Cash	261	0.0



Schedule of Investable Assets
Total Fund Composite
 Since Inception Ending March 31, 2019

Schedule of Investable Assets



Schedule of Investable Assets

Periods Ending	Beginning Market Value \$	Ending Market Value \$	%Return
Inception	188,229,542	375,231,300	6.16



Asset Allocation & Performance	Allocation		Performance(%)												
	Market Value \$	%	QTR		FYTD		1 YR		3 YR		5 YR		Inception	Inception Date	
Total Fund Composite	375,231,300	100.0	8.90	(61)	-1.13	(90)	5.12	(35)	9.42	(14)	6.77	(6)	6.16	(15)	10/01/2007
Total Fund Policy Index			9.29	(45)	-0.70	(77)	5.10	(35)	9.15	(20)	7.03	(4)	6.37	(11)	
All Public Plans-Total Fund Median			9.25		0.21		4.55		8.38		5.91		5.67		
Total Equity Composite	240,798,540	64.2	13.36		-3.75		3.97		11.11		7.24		5.99		10/01/2007
Total Equity Policy Index			13.84		-3.16		4.79		12.29		8.39		6.72		
Total Domestic Equity	188,000,598	50.1													
RhumbLine Equity S&P 500	40,130,494	10.7	13.64	(44)	-1.72	(39)	9.47	(36)	13.47	(41)	N/A		11.08	(35)	07/01/2015
S&P 500 Index			13.65	(44)	-1.72	(39)	9.50	(35)	13.51	(39)	10.91	(38)	11.11	(34)	
IM U.S. Large Cap Equity (SA+CF) Median			13.25		-2.29		7.82		12.83		10.27		10.09		
RhumbLine R1000 Value	16,009,566	4.3	11.88	(47)	-1.19	(26)	5.66	(35)	N/A		N/A		7.06	(62)	06/01/2017
Russell 1000 Value Index			11.93	(46)	-1.19	(26)	5.67	(34)	10.45	(64)	7.72	(58)	7.07	(62)	
IM U.S. Large Cap Value Equity (SA+CF) Median			11.76		-2.97		4.05		11.07		8.02		7.58		
RhumbLine R1000 Growth	20,243,336	5.4	16.09	(46)	-2.34	(61)	12.75	(47)	N/A		N/A		16.90	(45)	04/01/2017
Russell 1000 Growth Index			16.10	(46)	-2.34	(61)	12.75	(47)	16.53	(45)	13.50	(38)	16.92	(45)	
IM U.S. Large Cap Growth Equity (SA+CF) Median			15.89		-1.59		12.41		16.24		12.74		16.13		
RhumbLine S&P Mid Cap 400	16,569,848	4.4	14.45	(71)	-5.28	(76)	2.56	(69)	N/A		N/A		10.05	(65)	10/01/2016
S&P MidCap 400 Index			14.49	(69)	-5.29	(78)	2.59	(68)	11.24	(59)	8.29	(61)	10.07	(63)	
IM U.S. Mid Cap Equity (SA+CF) Median			15.72		-2.64		5.29		12.13		8.98		11.56		
Anchor Equity	18,828,178	5.0	14.74	(37)	1.38	(8)	11.98	(2)	11.63	(27)	9.75	(14)	8.02	(63)	10/01/2007
Russell Midcap Value Index			14.37	(45)	-2.73	(33)	2.89	(40)	9.50	(64)	7.22	(52)	7.32	(87)	
IM U.S. Mid Cap Value Equity (SA+CF) Median			14.08		-4.24		1.09		9.93		7.27		8.47		
New Amsterdam Equity	18,684,063	5.0	13.38	(74)	-8.18	(83)	-2.98	(87)	8.30	(89)	N/A		7.37	(75)	10/01/2014
Russell 2500 Index			15.82	(42)	-5.59	(49)	4.48	(40)	12.56	(47)	7.79	(53)	9.17	(49)	
IM U.S. SMID Cap Equity (SA+CF) Median			14.98		-5.67		2.86		12.05		7.94		9.03		
SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8	15.84	(16)	-4.74	(10)	N/A		N/A		N/A		-6.44	(16)	09/01/2018
Russell 2500 Index			15.82	(16)	-5.59	(24)	4.48	(15)	12.56	(18)	7.79	(17)	-7.02	(24)	
IM U.S. SMID Cap Core Equity (MF) Median			14.01		-8.08		0.38		9.97		6.01		-10.14		
Eagle Equity	25,209,296	6.7	17.03	(53)	-6.94	(48)	12.54	(35)	18.69	(42)	11.59	(26)	11.73	(59)	07/01/2011
Russell 2000 Growth Index			17.14	(52)	-8.22	(65)	3.85	(78)	14.87	(71)	8.41	(74)	10.77	(76)	
IM U.S. Small Cap Growth Equity (SA+CF) Median			17.34		-7.16		9.62		17.42		9.60		12.11		



	Allocation		Performance(%)												
	Market Value \$	%	QTR		FYTD		1 YR		3 YR		5 YR		Inception	Inception Date	
Wellington	18,247,157	4.9	10.35	(92)	-10.17	(75)	1.01	(26)	6.57	(94)	N/A	6.57	(94)	04/01/2016	
Russell 2000 Value Index			11.93	(75)	-8.97	(54)	0.17	(35)	10.86	(36)	5.59	(68)	10.86	(36)	
IM U.S. Small Cap Value Equity (SA+CF) Median			13.13		-8.80		-1.60		9.64		6.32		9.64		
Total International Equity	52,797,942	14.1													
Vanguard Intl Equity (VTRIX)	19,732,089	5.3	9.44	(11)	-3.70	(14)	-5.86	(21)	7.97	(1)	1.81	(1)	4.77	(1)	07/01/2013
MSCI EAFE Value			8.08	(27)	-4.51	(16)	-5.56	(17)	7.54	(1)	1.24	(5)	4.54	(3)	
IM International Large Cap Value Equity (MF) Median			7.89		-7.14		-9.27		4.61		-0.49		2.14		
Oppenheimer Int Equity	13,347,852	3.6	12.97	(22)	4.22	(28)	-2.91	(11)	12.62	(23)	4.72	(40)	5.01	(26)	01/01/2013
MSCI Emerging Markets Index			9.97	(55)	1.83	(60)	-7.06	(41)	11.09	(41)	4.06	(56)	2.80	(74)	
IM Emerging Markets Equity (SA+CF) Median			10.18		2.55		-7.89		10.57		4.24		3.74		
RhumbLine International Equity	19,718,001	5.3	10.09	(58)	-3.69	(62)	-3.27	(28)	7.47	(67)	N/A	8.61	(71)	02/01/2016	
MSCI EAFE Index			10.13	(58)	-3.64	(61)	-3.22	(28)	7.80	(62)	2.81	(72)	8.94	(66)	
IM International Equity (SA+CF) Median			10.61		-2.38		-5.78		8.58		3.92		10.22		
Total Fixed Income Composite	70,462,141	18.8	1.99		3.57		4.27		2.00		2.82		4.38	10/01/2007	
Fixed Income Index			2.28		4.12		4.33		1.71		2.31		3.63		
Garcia Hamilton Fixed Income	70,462,141	18.8	1.99	(89)	3.57	(80)	4.26	(63)	2.06	(47)	2.85	(14)	4.80	(6)	10/01/2007
Fixed Income Index			2.28	(73)	4.12	(20)	4.33	(57)	1.71	(86)	2.31	(68)	3.63	(82)	
IM U.S. Intermediate Duration (SA+CF) Median			2.45		3.92		4.38		2.02		2.44		3.95		
Total Real Estate	55,554,455	14.8													
Intercontinental	35,246,179	9.4	1.98	(44)	4.16	(16)	9.87	(16)	11.05	(17)	12.03	(18)	13.10	(36)	07/01/2010
Real Estate Policy			0.00	(100)	1.37	(100)	4.93	(100)	6.44	(99)	8.74	(91)	10.41	(93)	
IM U.S. Private Real Estate (SA+CF) Median			1.93		3.68		8.23		8.47		10.49		12.89		
J.P. Morgan	20,308,276	5.4	1.99	(39)	4.33	(14)	10.63	(8)	10.09	(22)	N/A	13.02	(14)	07/01/2014	
Real Estate Policy			0.00	(100)	1.37	(100)	4.93	(100)	6.44	(99)	8.74	(91)	8.56	(92)	
IM U.S. Private Real Estate (SA+CF) Median			1.93		3.68		8.23		8.47		10.49		10.38		
R&D Cash	900,739	0.2													

Asset Allocation & Performance
Total Fund Composite (Net)
As of March 31, 2019

Asset Allocation & Performance	Allocation		Performance(%)						
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Total Fund Composite	375,231,300	100.0	8.80	-1.36	4.64	8.93	6.27	5.75	10/01/2007
Total Fund Policy Index			9.29	-0.70	5.10	9.15	7.03	6.37	
Total Equity Composite	240,798,540	64.2	13.30	-3.88	3.68	10.76	6.79	5.56	10/01/2007
Total Equity Policy Index			13.84	-3.16	4.79	12.29	8.39	6.72	
Total Domestic Equity	188,000,598	50.1							
RhumbLine Equity S&P 500	40,130,494	10.7	13.62	-1.74	9.42	13.42	N/A	11.04	07/01/2015
S&P 500 Index			13.65	-1.72	9.50	13.51	10.91	11.11	
RhumbLine R1000 Value	16,009,566	4.3	11.86	-1.22	5.61	N/A	N/A	7.01	06/01/2017
Russell 1000 Value Index			11.93	-1.19	5.67	10.45	7.72	7.07	
RhumbLine R1000 Growth	20,243,336	5.4	16.08	-2.36	12.69	N/A	N/A	16.85	04/01/2017
Russell 1000 Growth Index			16.10	-2.34	12.75	16.53	13.50	16.92	
RhumbLine S&P Mid Cap 400	16,569,848	4.4	14.44	-5.30	2.51	N/A	N/A	9.99	10/01/2016
S&P MidCap 400 Index			14.49	-5.29	2.59	11.24	8.29	10.07	
Anchor Equity	18,828,178	5.0	14.60	1.13	11.45	11.10	9.17	7.54	10/01/2007
Russell Midcap Value Index			14.37	-2.73	2.89	9.50	7.22	7.32	
New Amsterdam Equity	18,684,063	5.0	13.27	-8.42	-3.43	7.84	N/A	6.92	10/01/2014
Russell 2500 Index			15.82	-5.59	4.48	12.56	7.79	9.17	
SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8	15.84	-4.79	N/A	N/A	N/A	-6.49	09/01/2018
Russell 2500 Index			15.82	-5.59	4.48	12.56	7.79	-7.02	
Eagle Equity	25,209,296	6.7	16.84	-7.28	11.73	17.82	10.76	10.92	07/01/2011
Russell 2000 Growth Index			17.14	-8.22	3.85	14.87	8.41	10.77	
Wellington	18,247,157	4.9	10.11	-10.59	0.11	5.71	N/A	5.71	04/01/2016
Russell 2000 Value Index			11.93	-8.97	0.17	10.86	5.59	10.86	



Asset Allocation & Performance
Total Fund Composite (Net)
As of March 31, 2019

	Allocation		Performance(%)						
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Total International Equity	52,797,942	14.1							
Vanguard Intl Equity (VTRIX)	19,732,089	5.3	9.44	-3.70	-5.86	7.97	1.81	4.77	07/01/2013
MSCI EAFE Value			8.08	-4.51	-5.56	7.54	1.24	4.54	
Oppenheimer Int Equity	13,347,852	3.6	12.97	4.22	-3.33	11.85	3.87	4.26	01/01/2013
MSCI Emerging Markets Index			9.97	1.83	-7.06	11.09	4.06	2.80	
RhumbLine International Equity	19,718,001	5.3	10.08	-3.71	-3.32	7.42	N/A	8.56	02/01/2016
MSCI EAFE Index			10.13	-3.64	-3.22	7.80	2.81	8.94	
Total Fixed Income Composite	70,462,141	18.8	1.94	3.47	4.06	1.81	2.62	4.20	10/01/2007
Fixed Income Index			2.28	4.12	4.33	1.71	2.31	3.63	
Garcia Hamilton Fixed Income	70,462,141	18.8	1.94	3.47	4.06	1.85	2.65	4.61	10/01/2007
Fixed Income Index			2.28	4.12	4.33	1.71	2.31	3.63	
Total Real Estate	55,554,455	14.8							
Intercontinental	35,246,179	9.4	1.78	3.24	8.48	9.51	10.26	11.78	07/01/2010
Real Estate Policy			0.00	1.37	4.93	6.44	8.74	10.41	
J.P. Morgan	20,308,276	5.4	1.59	3.52	9.07	8.43	N/A	11.48	07/01/2014
Real Estate Policy			0.00	1.37	4.93	6.44	8.74	8.56	
R&D Cash	900,739	0.2							



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Comparative Performance - IRR
Private Equity
As of March 31, 2019

Comparative Performance - IRR							
	QTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Aberdeen U.S. P.E. VII	0.00	0.00	N/A	N/A	N/A	20.09	05/16/2018
JP Morgan Global P.E. VII	-1.60	-3.67	N/A	N/A	N/A	-9.25	05/18/2018



Asset Allocation & Performance

	Allocation		Performance(%)									
	Market Value \$	%	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	Oct-2008 To Sep-2009
Total Fund Composite	375,231,300	100.0	10.28 (7)	14.01 (14)	8.77 (76)	0.69 (18)	9.53 (58)	13.75 (28)	18.42 (32)	0.22 (57)	10.94 (32)	2.33 (43)
Total Fund Policy Index			9.50 (14)	13.01 (30)	10.75 (17)	0.71 (18)	10.14 (45)	14.75 (12)	19.53 (15)	1.38 (33)	10.58 (38)	1.45 (48)
All Public Plans-Total Fund Median			7.58	12.02	9.71	-0.78	9.86	12.45	17.43	0.52	10.22	1.32
Total Equity Composite	240,798,540	64.2	12.87	18.47	9.85	-1.34	10.82	18.19	22.91	-0.26	13.84	-2.87
Total Equity Policy Index			13.66	18.97	14.06	-2.21	13.29	22.52	27.50	-0.83	11.21	-4.75
Total Domestic Equity	188,000,598	50.1										
361 Capital (BRC Equity)	-	0.0	N/A	N/A	4.57 (97)	0.14 (19)	20.33 (27)	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			9.45 (77)	15.12 (75)	16.19 (26)	-4.42 (64)	18.89 (43)	22.30 (60)	30.92 (26)	-1.89 (62)	8.90 (55)	-10.62 (84)
IM U.S. Large Cap Value Equity (SA+CF) Median			11.72	17.89	13.22	-3.29	18.40	23.76	28.16	-0.98	9.32	-5.90
RhumbLine Equity S&P 500	40,130,494	10.7	17.87 (42)	18.55 (57)	15.40 (25)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P 500 Index			17.91 (40)	18.61 (55)	15.43 (24)	-0.61 (57)	19.73 (37)	19.34 (70)	30.20 (38)	1.14 (46)	10.16 (50)	-6.91 (65)
IM U.S. Large Cap Equity (SA+CF) Median			17.02	18.83	13.22	-0.32	18.79	21.10	29.11	0.77	10.13	-5.49
RhumbLine R1000 Value	16,009,566	4.3	9.43 (77)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			9.45 (77)	15.12 (75)	16.19 (26)	-4.42 (64)	18.89 (43)	22.30 (60)	30.92 (26)	-1.89 (62)	8.90 (55)	-10.62 (84)
IM U.S. Large Cap Value Equity (SA+CF) Median			11.72	17.89	13.22	-3.29	18.40	23.76	28.16	-0.98	9.32	-5.90
RhumbLine R1000 Growth	20,243,336	5.4	26.25 (37)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			26.30 (36)	21.94 (37)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (63)	29.19 (39)	3.78 (30)	12.65 (35)	-1.85 (37)
IM U.S. Large Cap Growth Equity (SA+CF) Median			24.38	20.82	11.64	3.61	18.18	20.25	27.65	1.38	11.27	-3.00
Garcia Hamilton Equity	-	0.0	N/A	N/A	11.91 (49)	1.41 (72)	17.12 (62)	12.80 (99)	27.13 (56)	2.94 (37)	11.51 (47)	-5.16 (66)
Russell 1000 Growth Index			26.30 (36)	21.94 (37)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (63)	29.19 (39)	3.78 (30)	12.65 (35)	-1.85 (37)
IM U.S. Large Cap Growth Equity (SA+CF) Median			24.38	20.82	11.64	3.61	18.18	20.25	27.65	1.38	11.27	-3.00
RhumbLine S&P Mid Cap 400	16,569,848	4.4	14.16 (58)	17.49 (54)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P MidCap 400 Index			14.21 (55)	17.52 (53)	15.33 (30)	1.40 (54)	11.82 (67)	27.68 (56)	28.54 (40)	-1.28 (58)	17.78 (41)	-3.11 (55)
IM U.S. Mid Cap Equity (SA+CF) Median			14.98	17.57	11.99	1.52	13.58	28.22	27.26	-0.65	16.78	-2.72
Anchor Equity	18,828,178	5.0	14.65 (17)	14.45 (79)	12.76 (68)	4.71 (8)	9.97 (92)	16.82 (100)	21.94 (95)	-1.20 (49)	16.15 (43)	-0.66 (35)
Russell Midcap Value Index			8.81 (62)	13.37 (84)	17.26 (28)	-2.07 (60)	17.46 (28)	27.77 (62)	29.28 (47)	-2.36 (56)	16.93 (30)	-7.12 (90)
IM U.S. Mid Cap Value Equity (SA+CF) Median			9.72	16.96	15.16	-0.95	15.83	28.86	28.57	-1.50	15.46	-2.86
Oak Ridge Equity	-	0.0	N/A	N/A	N/A	3.41 (44)	7.64 (84)	25.96 (64)	22.03 (76)	N/A	N/A	N/A
Russell Midcap Growth Index			21.10 (54)	17.82 (61)	11.24 (29)	1.45 (69)	14.43 (27)	27.54 (48)	26.69 (42)	0.80 (53)	18.27 (51)	-0.40 (44)
IM U.S. Mid Cap Growth Equity (SA+CF) Median			22.10	18.81	8.40	2.99	11.39	27.49	26.18	1.20	18.31	-1.59



Asset Allocation & Performance

Total Fund Composite (Gross)

As of March 31, 2019

	Allocation		Performance(%)										
	Market Value \$	%	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	Oct-2008 To Sep-2009	
New Amsterdam Equity	18,684,063	5.0	6.13 (91)	20.50 (35)	8.71 (74)	7.88 (10)	N/A	N/A	N/A	N/A	N/A	N/A	
Russell 2500 Index			16.19 (43)	17.79 (63)	14.44 (35)	0.38 (57)	8.97 (61)	29.79 (53)	30.93 (37)	-2.22 (63)	15.92 (55)	-5.68 (68)	
IM U.S. SMID Cap Equity (SA+CF) Median			14.95	18.95	12.54	0.96	10.36	29.97	29.21	-0.93	16.23	-3.08	
SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Russell 2500 Index			16.19 (16)	17.79 (57)	14.44 (46)	0.38 (56)	8.97 (29)	29.79 (44)	30.93 (30)	-2.22 (35)	15.92 (26)	-5.68 (48)	
IM U.S. SMID Cap Core Equity (MF) Median			12.30	18.42	13.75	0.75	6.73	29.25	28.61	-3.64	13.97	-5.99	
Eagle Equity	25,209,296	6.7	32.48 (29)	22.28 (39)	12.20 (47)	4.68 (44)	2.33 (64)	33.00 (59)	28.41 (65)	N/A	N/A	N/A	
Russell 2000 Growth Index			21.06 (75)	20.98 (58)	12.12 (47)	4.04 (50)	3.79 (55)	33.07 (58)	31.18 (49)	-1.12 (67)	14.79 (54)	-6.32 (63)	
IM U.S. Small Cap Growth Equity (SA+CF) Median			26.69	21.37	11.64	3.76	4.39	33.99	30.76	1.13	15.30	-3.86	
Wellington	18,247,157	4.9	11.34 (36)	14.79 (89)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Russell 2000 Value Index			9.33 (49)	20.55 (51)	18.81 (25)	-1.60 (67)	4.13 (80)	27.04 (82)	32.63 (41)	-5.99 (74)	11.84 (76)	-12.61 (86)	
IM U.S. Small Cap Value Equity (SA+CF) Median			9.07	20.61	15.70	0.82	6.95	30.96	31.08	-2.85	14.99	-4.17	
Total International Equity	52,797,942	14.1											
Vanguard Intl Equity (VTRIX)	19,732,089	5.3	1.90 (20)	20.63 (41)	8.41 (1)	-13.91 (78)	5.83 (17)	N/A	N/A	N/A	N/A	N/A	
MSCI EAFE Value			0.24 (38)	23.22 (1)	4.16 (32)	-12.18 (76)	6.18 (16)	24.91 (12)	13.34 (54)	-9.46 (12)	-1.15 (80)	8.06 (4)	
IM International Large Cap Value Equity (MF) Median			-0.50	20.37	3.41	-10.30	3.41	22.49	13.55	-11.53	0.48	-1.46	
Oppenheimer Int Equity	13,347,852	3.6	1.31 (14)	23.04 (47)	19.28 (35)	-22.23 (88)	6.91 (46)	N/A	N/A	N/A	N/A	N/A	
MSCI Emerging Markets Index			-0.44 (25)	22.91 (48)	17.21 (51)	-18.98 (68)	4.66 (69)	1.33 (75)	17.34 (57)	-15.89 (56)	20.54 (60)	19.44 (51)	
IM Emerging Markets Equity (SA+CF) Median			-2.59	22.66	17.33	-17.32	6.51	4.51	18.03	-15.07	22.27	19.81	
RhumbLine International Equity	19,718,001	5.3	2.74 (38)	19.24 (64)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MSCI EAFE Index			3.25 (34)	19.65 (61)	7.06 (76)	-8.27 (50)	4.70 (63)	24.29 (33)	14.33 (72)	-8.94 (45)	3.71 (80)	3.80 (65)	
IM International Equity (SA+CF) Median			1.44	21.01	11.50	-8.31	5.82	20.27	17.28	-9.59	9.60	7.08	
Total Fixed Income Composite	70,462,141	18.8	0.33	0.60	3.79	3.98	4.78	1.03	9.04	2.41	7.99	10.50	
Fixed Income Index			-0.93	0.25	3.57	2.95	2.74	-0.71	4.31	3.59	8.16	10.56	
Garcia Hamilton Fixed Income	70,462,141	18.8	0.34 (15)	0.69 (50)	3.84 (59)	3.98 (5)	4.78 (10)	1.03 (8)	9.04 (7)	2.61 (86)	8.23 (51)	13.95 (15)	
Fixed Income Index			-0.93 (96)	0.25 (87)	3.57 (73)	2.95 (31)	2.74 (58)	-0.71 (77)	4.31 (84)	3.59 (52)	8.16 (54)	10.56 (70)	
IM U.S. Intermediate Duration (SA+CF) Median			-0.39	0.69	3.90	2.70	2.88	-0.27	5.56	3.60	8.25	11.53	
RhumbLine Fixed Income	-	0.0	N/A	-0.06 (94)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Blmbg. Barc. U.S. Aggregate Index			-1.22 (89)	0.07 (87)	5.19 (81)	2.94 (60)	3.96 (81)	-1.68 (80)	5.16 (91)	5.26 (49)	8.16 (86)	10.56 (82)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median			-0.74	0.62	5.67	3.02	4.51	-1.22	6.62	5.26	9.26	12.30	



Asset Allocation & Performance
Total Fund Composite (Gross)
As of March 31, 2019

	Allocation		Performance(%)									
	Market Value \$	%	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	Oct-2008 To Sep-2009
Total Real Estate	55,554,455	14.8										
Intercontinental	35,246,179	9.4	11.41 (8)	11.64 (15)	12.98 (34)	14.12 (72)	15.12 (32)	14.53 (43)	14.24 (40)	19.17 (40)	N/A	N/A
Real Estate Policy			7.16 (97)	6.89 (73)	9.22 (94)	13.48 (78)	11.26 (91)	11.00 (81)	11.00 (73)	16.10 (66)	N/A	N/A
IM U.S. Private Real Estate (SA+CF) Median			9.04	8.30	11.57	15.79	13.12	13.35	12.98	17.30	6.39	-35.27
J.P. Morgan	20,308,276	5.4	10.94 (19)	9.93 (25)	12.10 (41)	20.93 (17)	N/A	N/A	N/A	N/A	N/A	N/A
Real Estate Policy			7.16 (97)	6.89 (73)	9.22 (94)	13.48 (78)	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Private Real Estate (SA+CF) Median			9.04	8.30	11.57	15.79	13.12	13.35	12.98	17.30	6.39	-35.27
R&D Cash	900,739	0.2										



Asset Allocation & Performance												
	Allocation		Performance(%)									
	Market Value \$	%	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	Oct-2008 To Sep-2009
Total Fund Composite	375,231,300	100.0	9.84	13.44	8.22	0.21	8.99	13.26	17.90	-0.17	10.59	2.07
Total Fund Policy Index			9.50	13.01	10.75	0.71	10.14	14.75	19.53	1.38	10.58	1.45
Total Equity Composite	240,798,540	64.2	12.55	18.05	9.29	-1.87	10.14	17.61	22.25	-0.74	13.42	-3.23
Total Equity Policy Index			13.66	18.97	14.06	-2.21	13.29	22.52	27.50	-0.83	11.21	-4.75
Total Domestic Equity	188,000,598	50.1										
361 Capital (BRC Equity)	-	0.0	N/A	N/A	4.06	-0.35	19.81	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			9.45	15.12	16.19	-4.42	18.89	22.30	30.92	-1.89	8.90	-10.62
RhumbLine Equity S&P 500	40,130,494	10.7	17.81	18.49	15.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P 500 Index			17.91	18.61	15.43	-0.61	19.73	19.34	30.20	1.14	10.16	-6.91
RhumbLine R1000 Value	16,009,566	4.3	9.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			9.45	15.12	16.19	-4.42	18.89	22.30	30.92	-1.89	8.90	-10.62
RhumbLine R1000 Growth	20,243,336	5.4	26.20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			26.30	21.94	13.76	3.17	19.15	19.27	29.19	3.78	12.65	-1.85
Garcia Hamilton Equity	-	0.0	N/A	N/A	11.27	1.16	16.51	12.25	26.52	2.43	10.96	-5.51
Russell 1000 Growth Index			26.30	21.94	13.76	3.17	19.15	19.27	29.19	3.78	12.65	-1.85
RhumbLine S&P Mid Cap 400	16,569,848	4.4	14.10	17.44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S&P MidCap 400 Index			14.21	17.52	15.33	1.40	11.82	27.68	28.54	-1.28	17.78	-3.11
Anchor Equity	18,828,178	5.0	14.11	13.91	12.21	4.07	9.33	16.27	21.37	-1.66	15.62	-1.04
Russell Midcap Value Index			8.81	13.37	17.26	-2.07	17.46	27.77	29.28	-2.36	16.93	-7.12
Oak Ridge Equity	-	0.0	N/A	N/A	N/A	2.81	6.99	25.22	21.33	N/A	N/A	N/A
Russell Midcap Growth Index			21.10	17.82	11.24	1.45	14.43	27.54	26.69	0.80	18.27	-0.40
New Amsterdam Equity	18,684,063	5.0	5.71	20.00	8.25	7.46	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Index			16.19	17.79	14.44	0.38	8.97	29.79	30.93	-2.22	15.92	-5.68
SSGA Small-Mid Cap Equity (SSMKX)	14,078,661	3.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Index			16.19	17.79	14.44	0.38	8.97	29.79	30.93	-2.22	15.92	-5.68
Eagle Equity	25,209,296	6.7	31.52	21.37	11.38	3.90	1.53	32.03	27.38	N/A	N/A	N/A
Russell 2000 Growth Index			21.06	20.98	12.12	4.04	3.79	33.07	31.18	-1.12	14.79	-6.32



Asset Allocation & Performance
Total Fund Composite (Net)
As of March 31, 2019

	Allocation		Performance(%)									
	Market Value \$	%	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	Oct-2008 To Sep-2009
Wellington Russell 2000 Value Index	18,247,157	4.9	10.38 9.33	13.78 20.55	N/A 18.81	N/A -1.60	N/A 4.13	N/A 27.04	N/A 32.63	N/A -5.99	N/A 11.84	N/A -12.61
Total International Equity	52,797,942	14.1										
Vanguard Intl Equity (VTRIX) MSCI EAFE Value	19,732,089	5.3	1.90 0.24	20.63 23.22	8.41 4.16	-13.91 -12.18	5.83 6.18	N/A 24.91	N/A 13.34	N/A -9.46	N/A -1.15	N/A 8.06
Oppenheimer Int Equity MSCI Emerging Markets Index	13,347,852	3.6	0.47 -0.44	21.80 22.91	18.73 17.21	-22.95 -18.98	5.83 4.66	N/A 1.33	N/A 17.34	N/A -15.89	N/A 20.54	N/A 19.44
RhumbLine International Equity MSCI EAFE Index	19,718,001	5.3	2.68 3.25	19.18 19.65	N/A 7.06	N/A -8.27	N/A 4.70	N/A 24.29	N/A 14.33	N/A -8.94	N/A 3.71	N/A 3.80
Total Fixed Income Composite	70,462,141	18.8	0.12	0.40	3.60	3.78	4.57	0.83	8.83	2.21	7.83	10.35
Fixed Income Index			-0.93	0.25	3.57	2.95	2.74	-0.71	4.31	3.59	8.16	10.56
Garcia Hamilton Fixed Income Fixed Income Index	70,462,141	18.8	0.13 -0.93	0.49 0.25	3.64 3.57	3.78 2.95	4.57 2.74	0.83 -0.71	8.83 4.31	2.39 3.59	8.01 8.16	13.79 10.56
RhumbLine Fixed Income Blmbg. Barc. U.S. Aggregate Index	-	0.0	N/A -1.22	-0.24 0.07	N/A 5.19	N/A 2.94	N/A 3.96	N/A -1.68	N/A 5.16	N/A 5.26	N/A 8.16	N/A 10.56
Total Real Estate	55,554,455	14.8										
Intercontinental Real Estate Policy	35,246,179	9.4	10.36 7.16	9.59 6.89	10.71 9.22	12.18 13.48	12.68 11.26	13.98 11.00	13.96 11.00	19.17 16.10	N/A N/A	N/A N/A
J.P. Morgan Real Estate Policy	20,308,276	5.4	9.38 7.16	8.21 6.89	10.36 9.22	19.53 13.48	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
R&D Cash	900,739	0.2										



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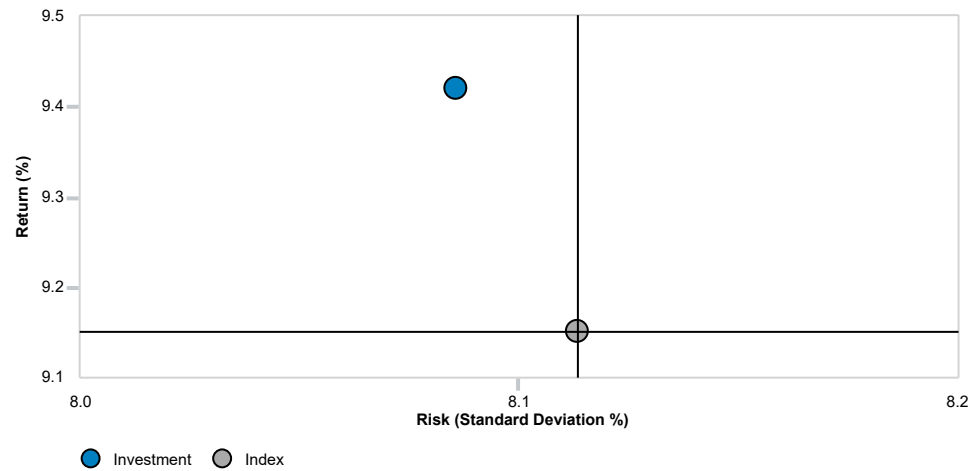
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.42	8.09	1.01	101.90	10	99.50	2
Index	9.15	8.11	0.98	100.00	10	100.00	2

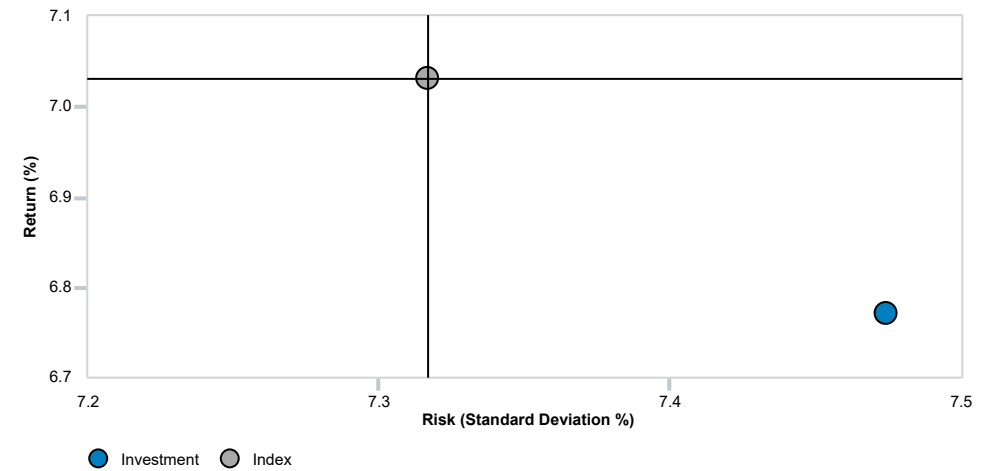
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	6.77	7.47	0.82	99.90	16	107.17	4
Index	7.03	7.32	0.87	100.00	16	100.00	4

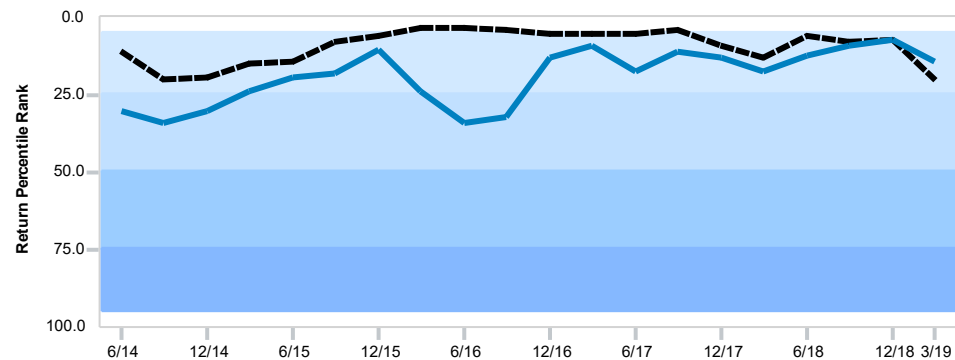
Risk and Return 3 Years



Risk and Return 5 Years

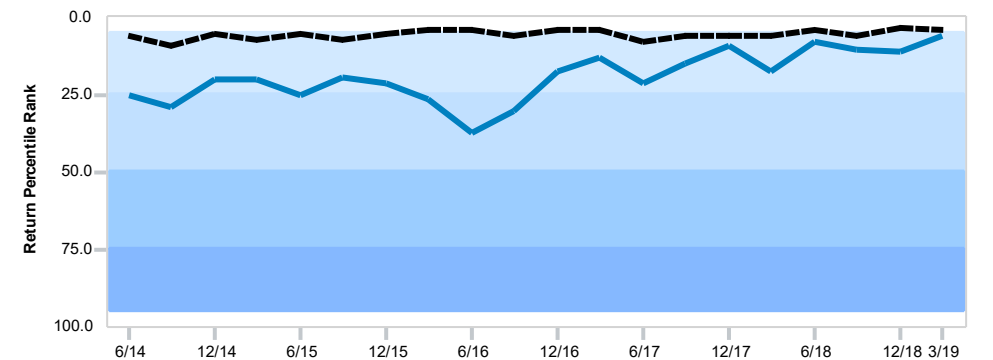


3 Year Rolling Percentile Rank All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	15 (75%)	5 (25%)	0 (0%)	0 (0%)
Index	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)

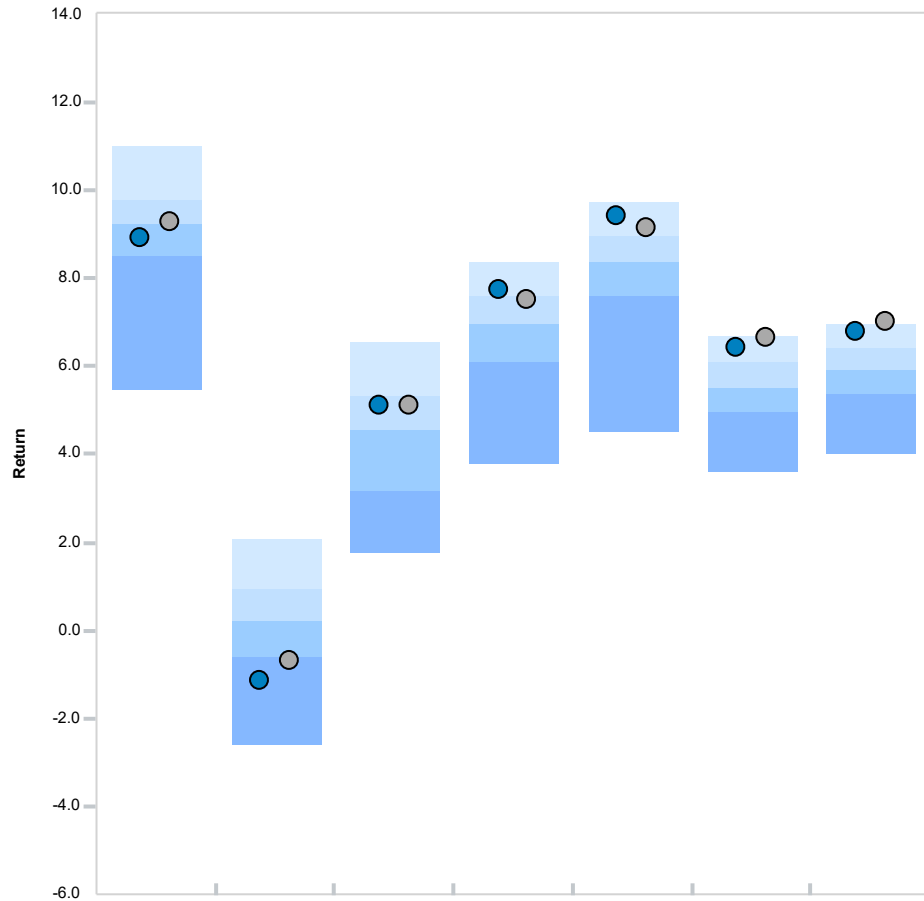
5 Year Rolling Percentile Rank All Public Plans-Total Fund



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	16 (80%)	4 (20%)	0 (0%)	0 (0%)
Index	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)

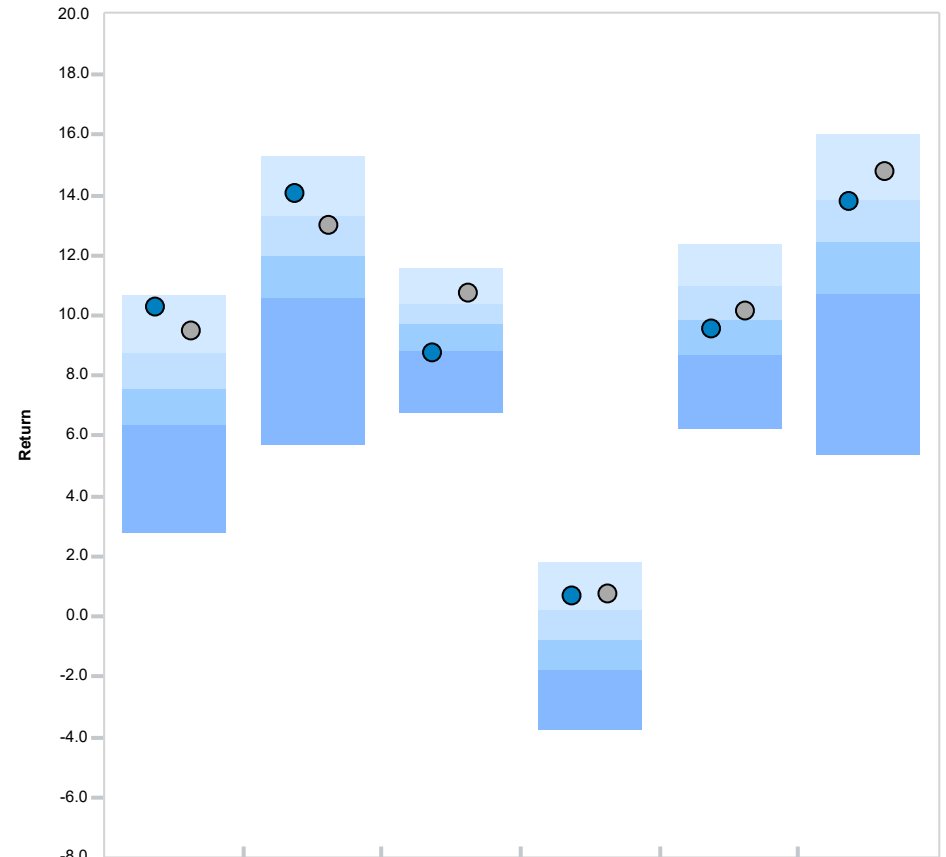


Plan Sponsor Peer Group Analysis vs. All Public Plans-Total Fund



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	8.90 (61)	-1.13 (90)	5.12 (35)	7.76 (18)	9.42 (14)	6.44 (8)	6.77 (6)
● Index	9.29 (45)	-0.70 (77)	5.10 (35)	7.53 (28)	9.15 (20)	6.65 (6)	7.03 (4)
Median	9.25	0.21	4.55	6.97	8.38	5.51	5.91

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



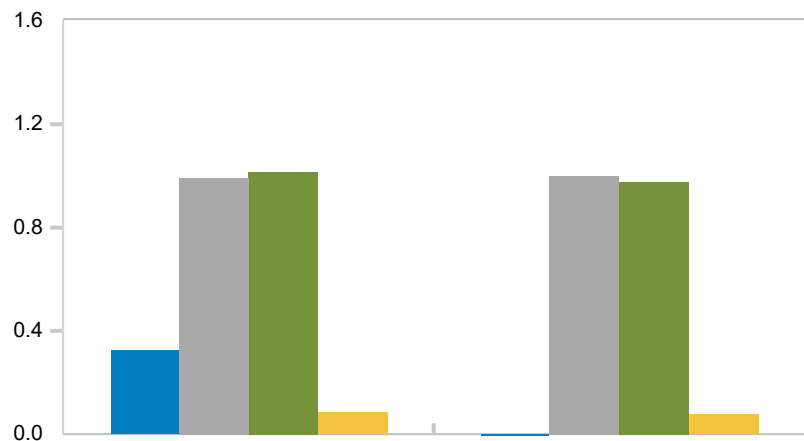
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	10.28 (7)	14.01 (14)	8.77 (76)	0.69 (18)	9.53 (58)	13.75 (28)
● Index	9.50 (14)	13.01 (30)	10.75 (17)	0.71 (18)	10.14 (45)	14.75 (12)
Median	7.58	12.02	9.71	-0.78	9.86	12.45

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-9.21 (87)	3.56 (14)	2.66 (4)	-0.26 (49)	4.00 (26)	3.76 (30)
Index	-9.14 (86)	3.49 (15)	2.27 (8)	-0.37 (60)	3.84 (35)	3.56 (46)
Median	-7.70	2.71	1.19	-0.27	3.64	3.45

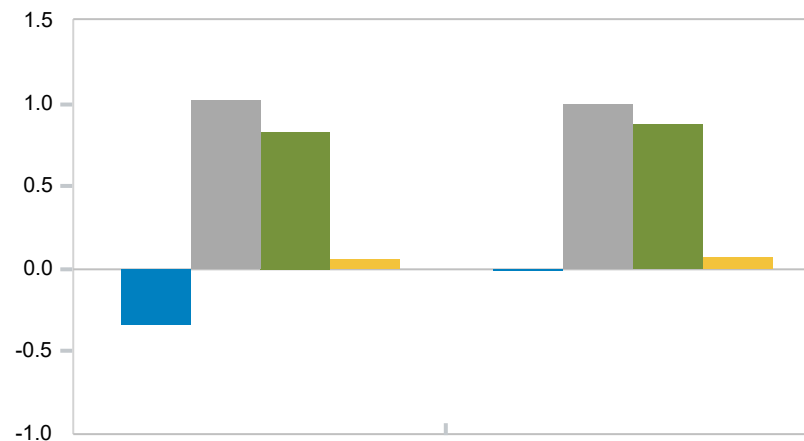


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



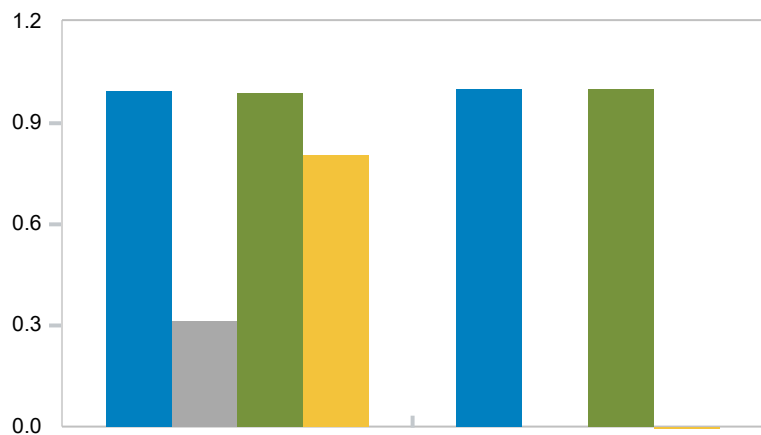
	Total Fund Composite	Total Fund Policy Index
Alpha	0.33	0.00
Beta	0.99	1.00
Sharpe Ratio	1.01	0.98
Treynor Ratio	0.08	0.08

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



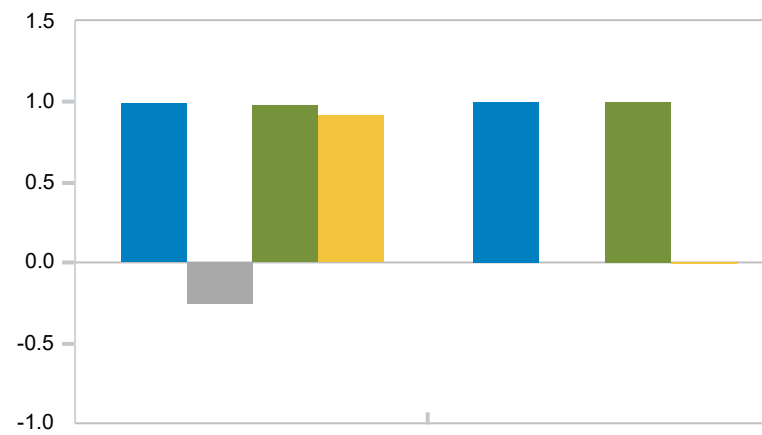
	Total Fund Composite	Total Fund Policy Index
Alpha	-0.33	0.00
Beta	1.01	1.00
Sharpe Ratio	0.82	0.87
Treynor Ratio	0.06	0.06

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	0.31	N/A
R-Squared	0.99	1.00
Tracking Error	0.80	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



	Total Fund Composite	Total Fund Policy Index
Actual Correlation	0.99	1.00
Information Ratio	-0.26	N/A
R-Squared	0.98	1.00
Tracking Error	0.92	0.00

Benchmark: Total Fund Policy Index



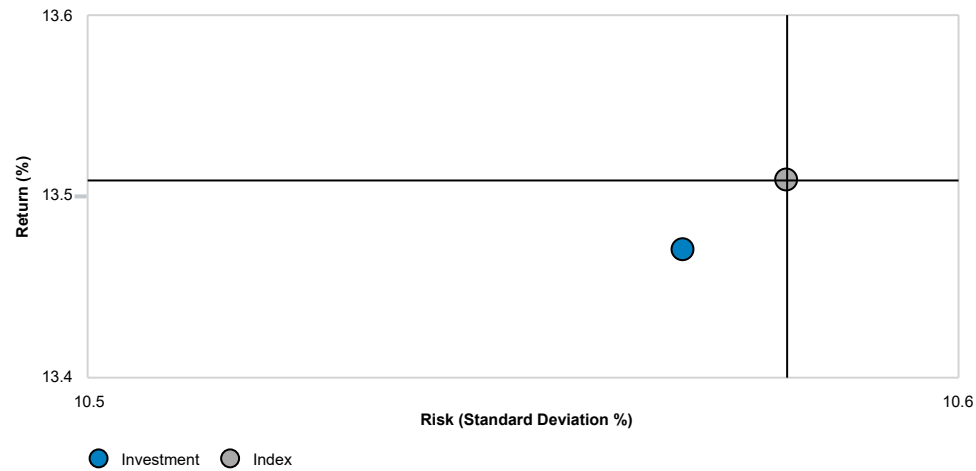
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	13.47	10.57	1.14	99.81	10	99.94	2
Index	13.51	10.58	1.15	100.00	10	100.00	2

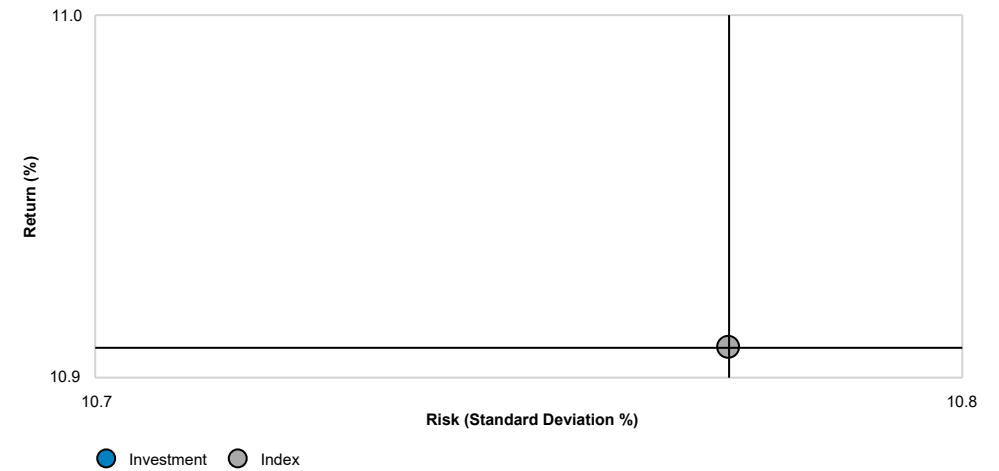
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	10.91	10.77	0.96	100.00	17	100.00	3

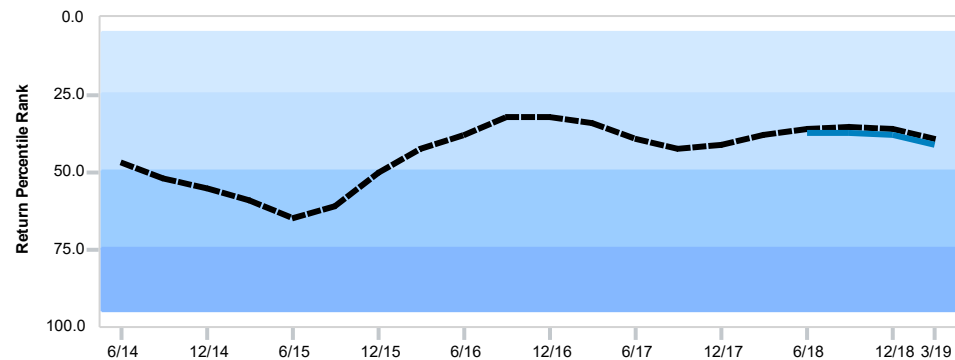
Risk and Return 3 Years



Risk and Return 5 Years

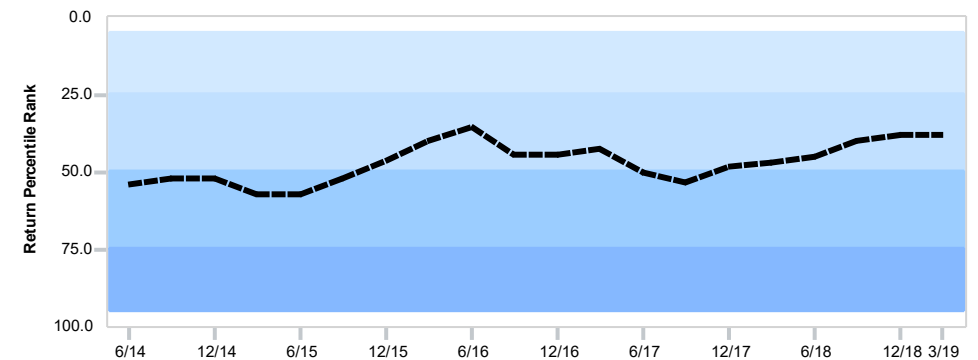


3 Year Rolling Percentile Rank IM U.S. Large Cap Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	4	0 (0%)	4 (100%)	0 (0%)	0 (0%)
Index	20	0 (0%)	15 (75%)	5 (25%)	0 (0%)

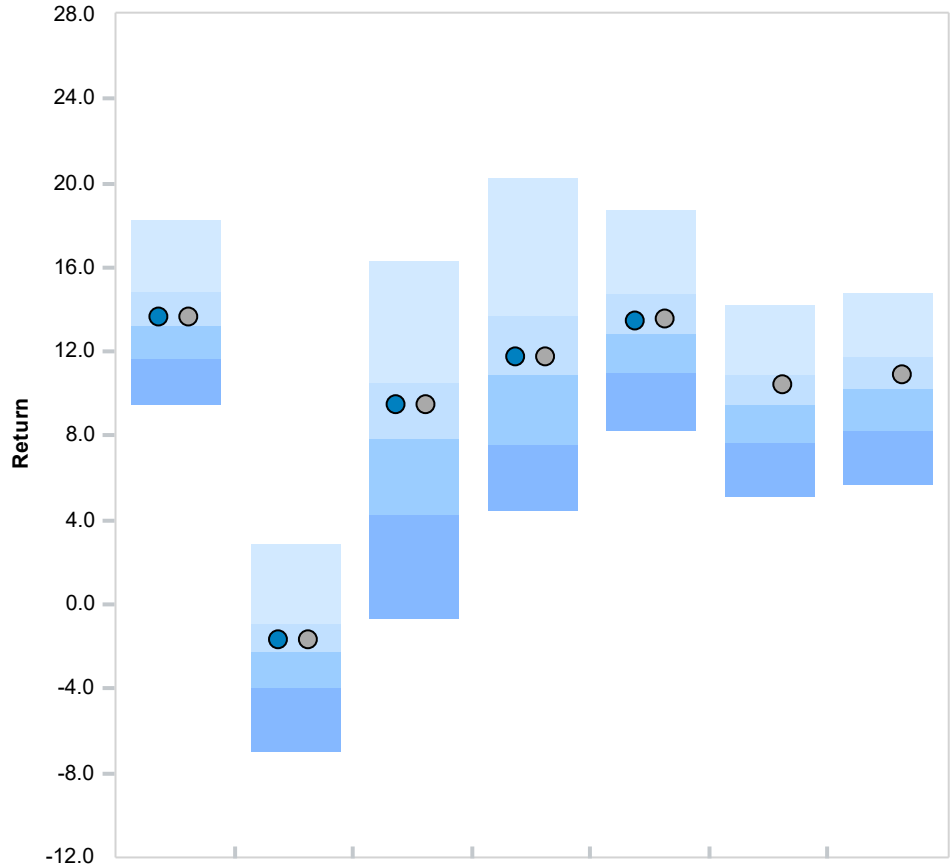
5 Year Rolling Percentile Rank IM U.S. Large Cap Equity (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	20	0 (0%)	13 (65%)	7 (35%)	0 (0%)

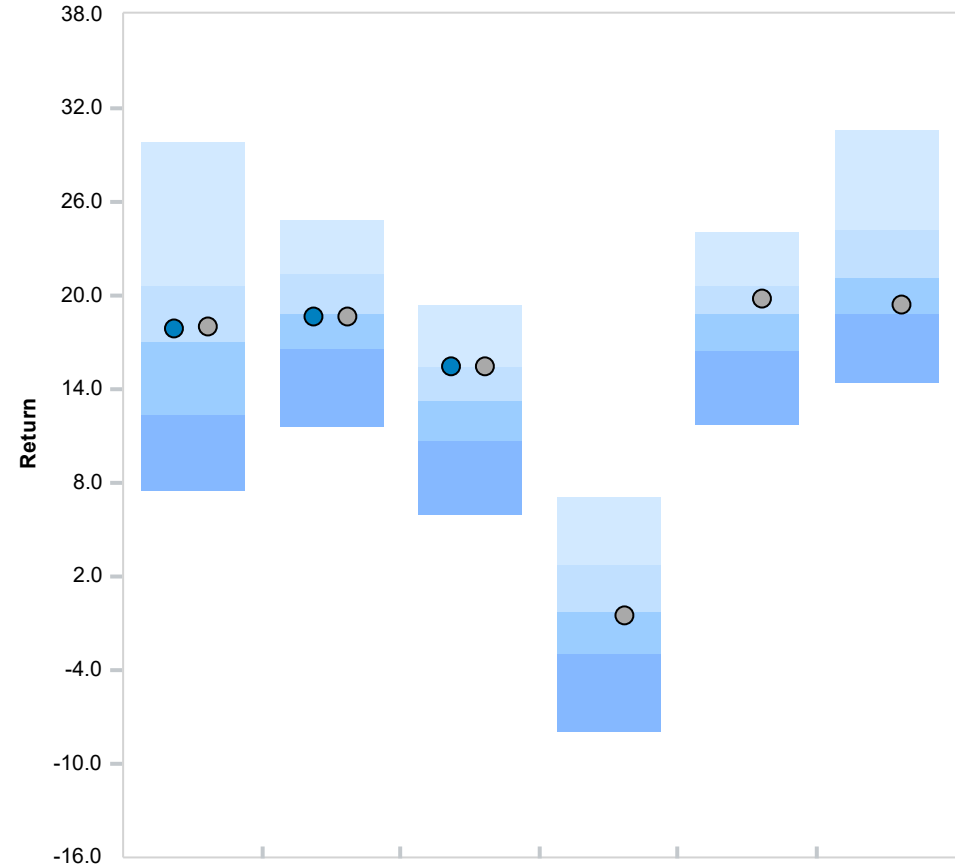


Peer Group Analysis - IM U.S. Large Cap Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	13.64 (44)	-1.72 (39)	9.47 (36)	11.69 (41)	13.47 (41)	N/A	N/A
● Index	13.65 (44)	-1.72 (39)	9.50 (35)	11.72 (40)	13.51 (39)	10.46 (33)	10.91 (38)
Median	13.25	-2.29	7.82	10.91	12.83	9.44	10.27

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



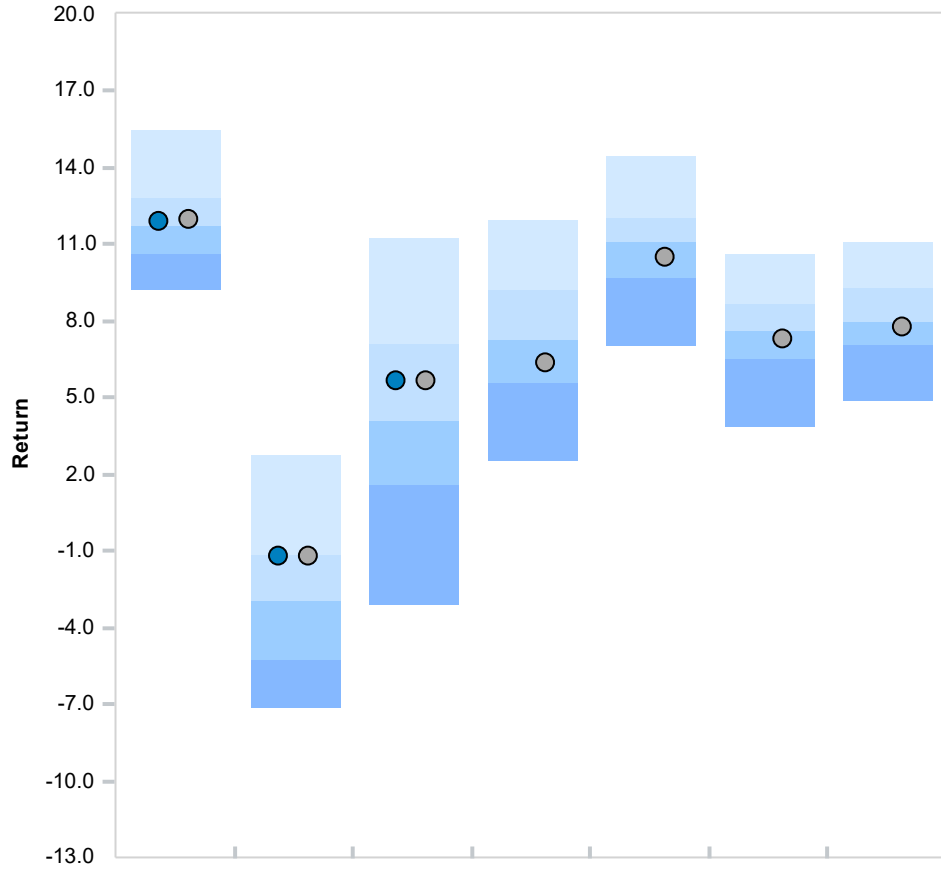
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	17.87 (42)	18.55 (57)	15.40 (25)	N/A	N/A	N/A
● Index	17.91 (40)	18.61 (55)	15.43 (24)	-0.61 (57)	19.73 (37)	19.34 (70)
Median	17.02	18.83	13.22	-0.32	18.79	21.10

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-13.51 (41)	7.70 (35)	3.42 (42)	-0.77 (55)	6.63 (51)	4.47 (58)
Index	-13.52 (41)	7.71 (34)	3.43 (41)	-0.76 (55)	6.64 (50)	4.48 (57)
Median	-13.94	7.11	3.00	-0.69	6.64	4.58

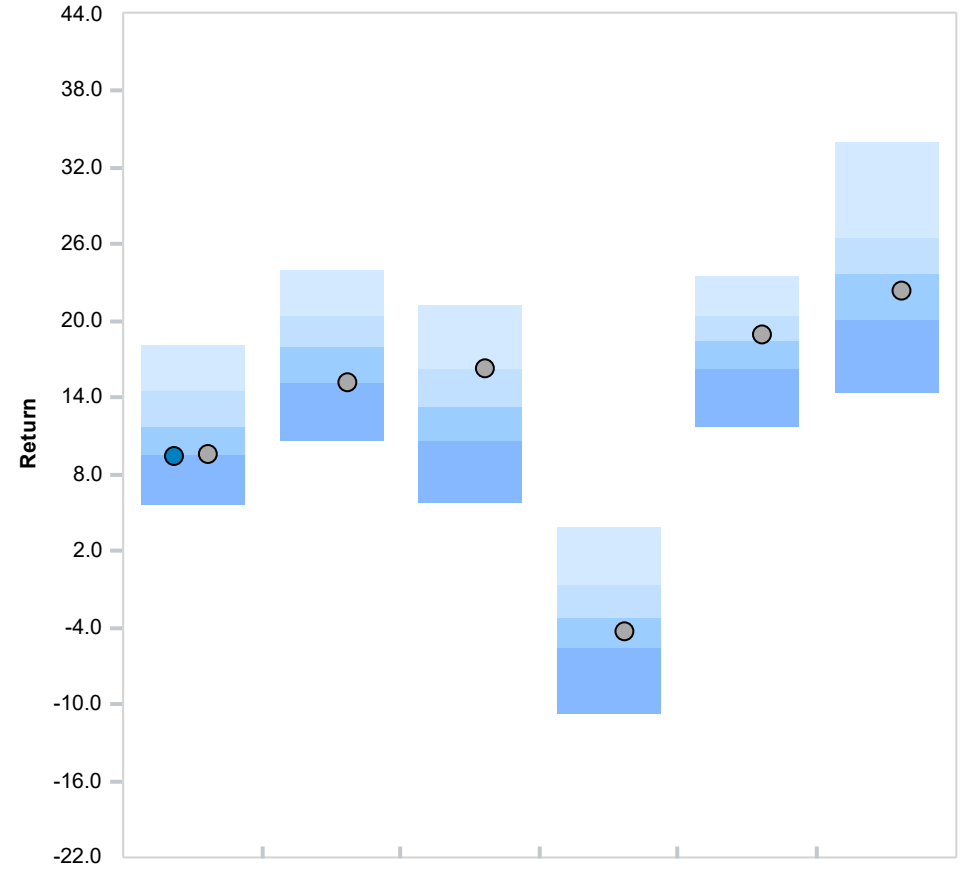


Peer Group Analysis - IM U.S. Large Cap Value Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	11.88 (47)	-1.19 (26)	5.66 (35)	N/A	N/A	N/A	N/A
● Index	11.93 (46)	-1.19 (26)	5.67 (34)	6.31 (64)	10.45 (64)	7.32 (56)	7.72 (58)
Median	11.76	-2.97	4.05	7.27	11.07	7.63	8.02

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



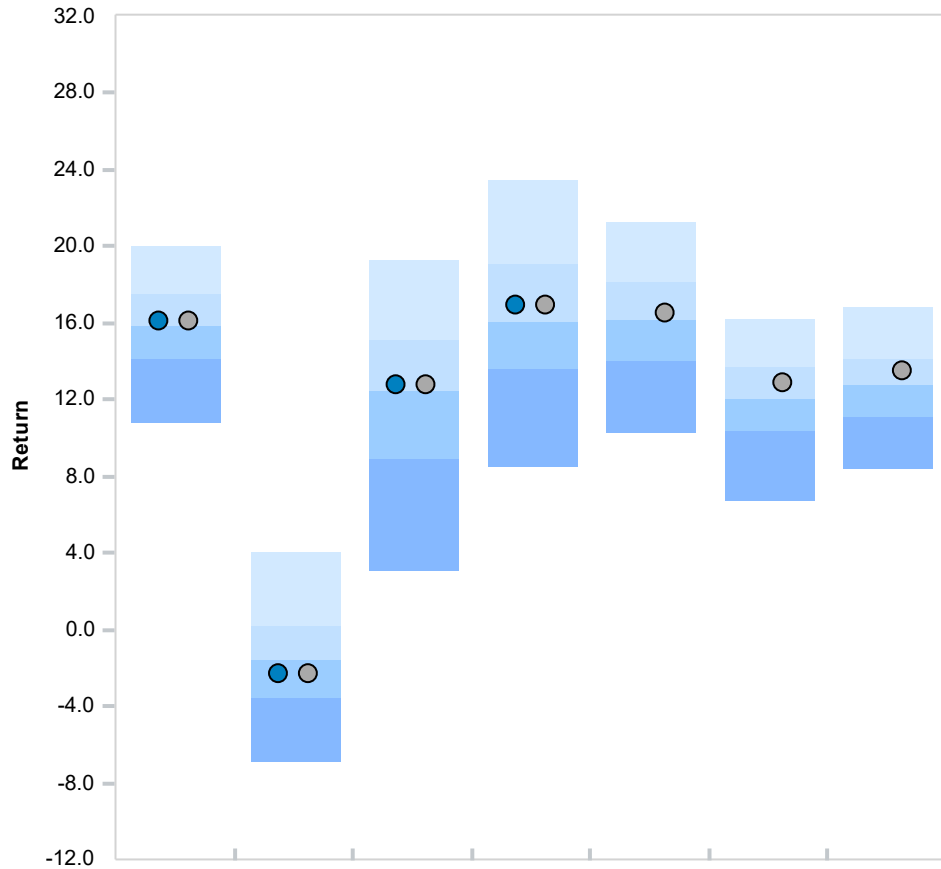
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	9.43 (77)	N/A	N/A	N/A	N/A	N/A
● Index	9.45 (77)	15.12 (75)	16.19 (26)	-4.42 (64)	18.89 (43)	22.30 (60)
Median	11.72	17.89	13.22	-3.29	18.40	23.76

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-11.68 (29)	5.71 (50)	1.17 (66)	-2.83 (74)	5.31 (76)	3.11 (80)
Index	-11.72 (29)	5.70 (50)	1.18 (66)	-2.83 (74)	5.33 (76)	3.11 (80)
Median	-13.55	5.70	1.73	-1.98	6.32	4.09

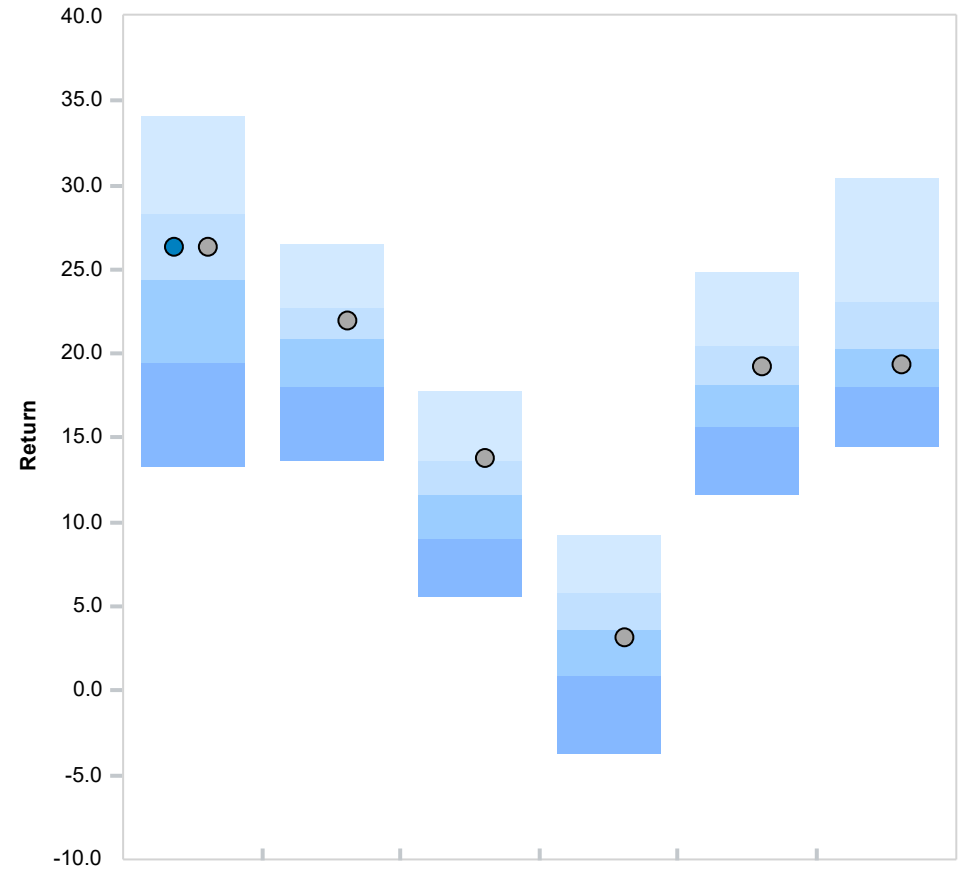


Peer Group Analysis - IM U.S. Large Cap Growth Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	16.09 (46)	-2.34 (61)	12.75 (47)	16.90 (45)	N/A	N/A	N/A
● Index	16.10 (46)	-2.34 (61)	12.75 (47)	16.92 (45)	16.53 (45)	12.86 (38)	13.50 (38)
Median	15.89	-1.59	12.41	16.13	16.24	12.01	12.74

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



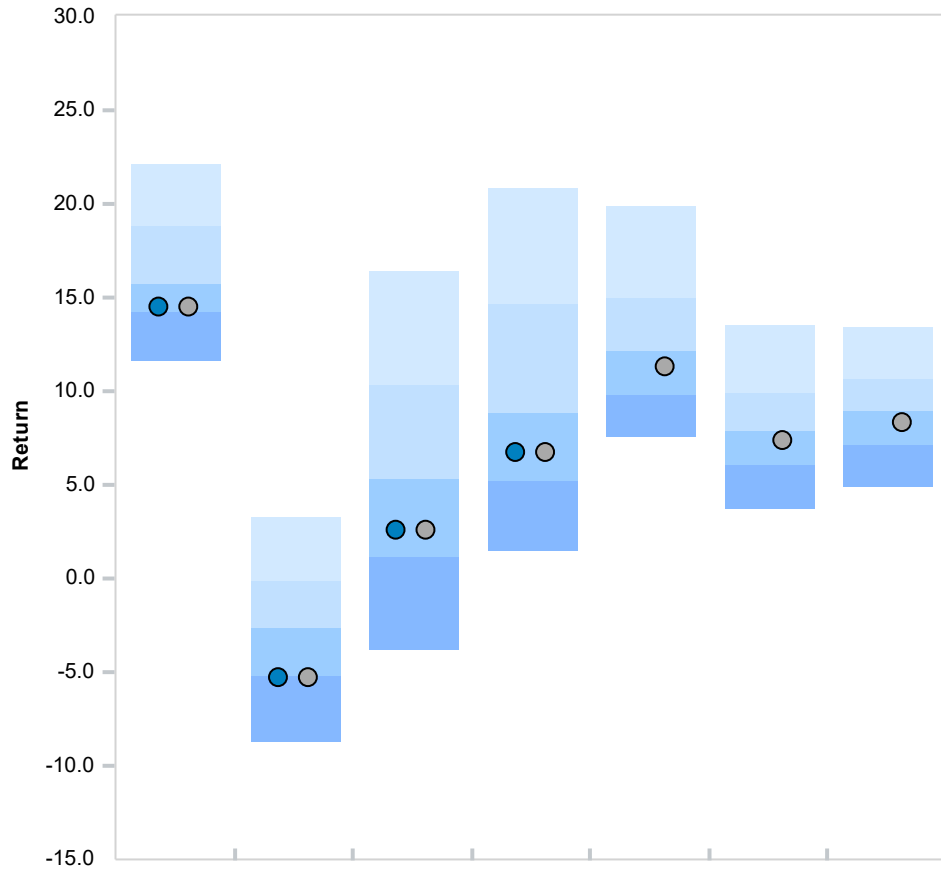
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	26.25 (37)	N/A	N/A	N/A	N/A	N/A
● Index	26.30 (36)	21.94 (37)	13.76 (23)	3.17 (55)	19.15 (40)	19.27 (63)
Median	24.38	20.82	11.64	3.61	18.18	20.25

Comparative Performance

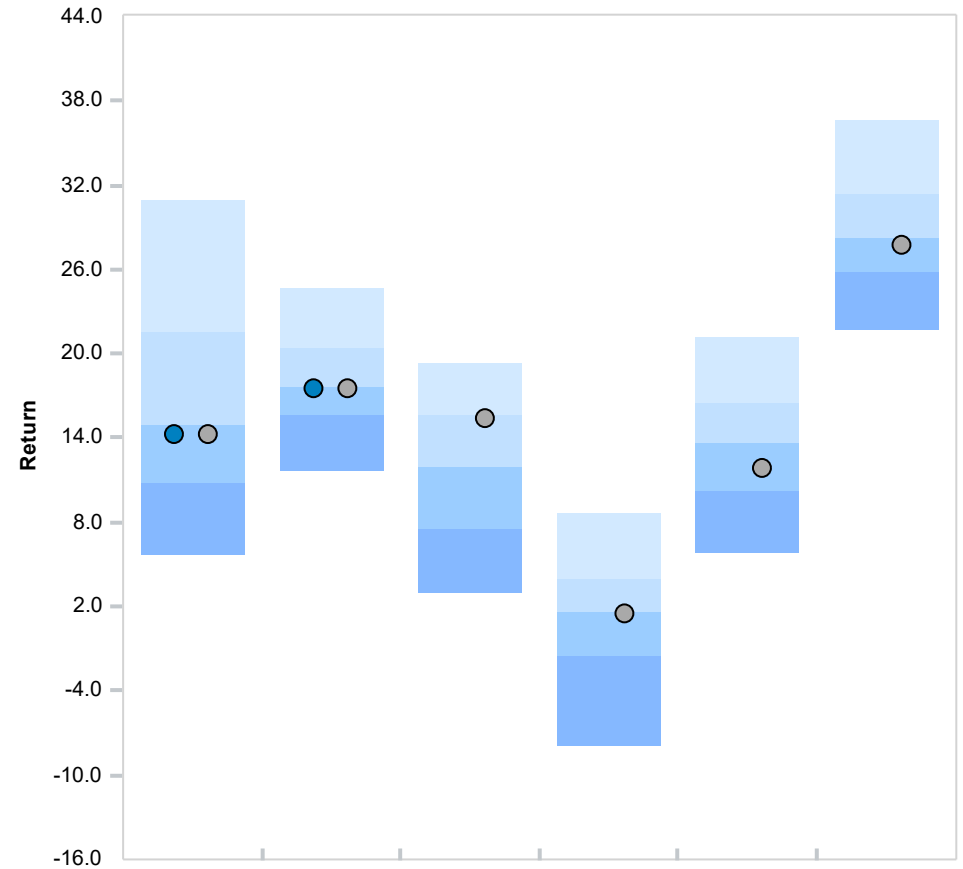
	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-15.88 (62)	9.16 (23)	5.76 (42)	1.41 (61)	7.84 (22)	5.90 (35)
Index	-15.89 (62)	9.17 (23)	5.76 (42)	1.42 (61)	7.86 (21)	5.90 (35)
Median	-14.99	8.13	5.31	2.07	6.90	5.41



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



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



Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-17.24 (61)	3.85 (70)	4.27 (30)	-0.77 (62)	6.25 (44)	3.23 (66)
Index	-17.28 (65)	3.86 (67)	4.29 (28)	-0.77 (62)	6.25 (44)	3.22 (67)
Median	-16.65	4.97	3.13	-0.13	5.97	3.74



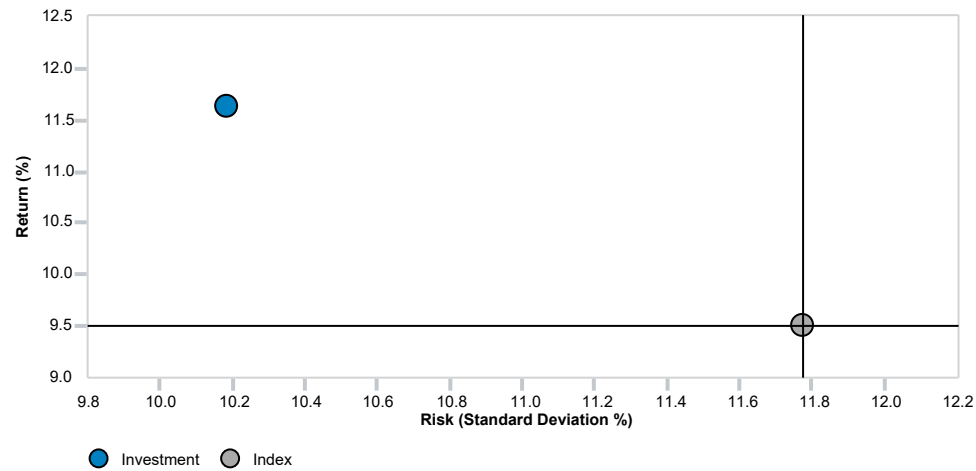
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.63	10.18	1.02	97.06	10	75.86	2
Index	9.50	11.78	0.73	100.00	10	100.00	2

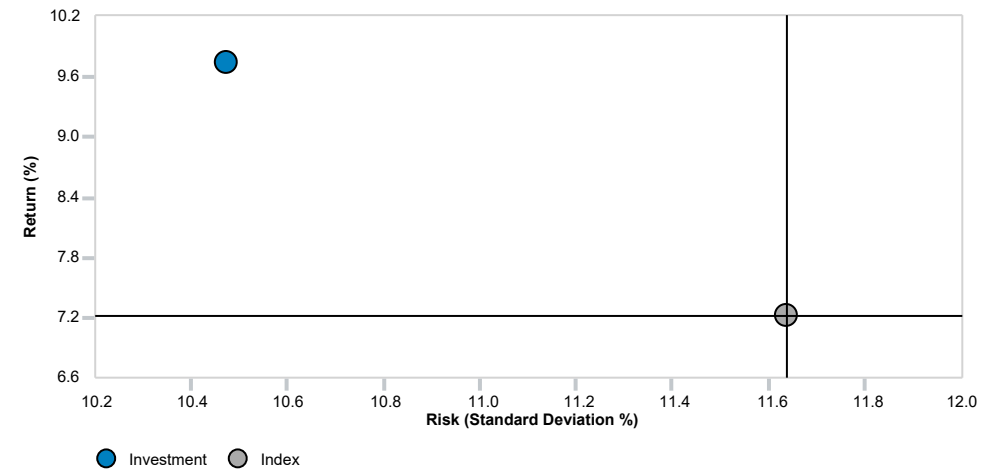
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.75	10.47	0.88	104.49	15	73.19	5
Index	7.22	11.64	0.60	100.00	15	100.00	5

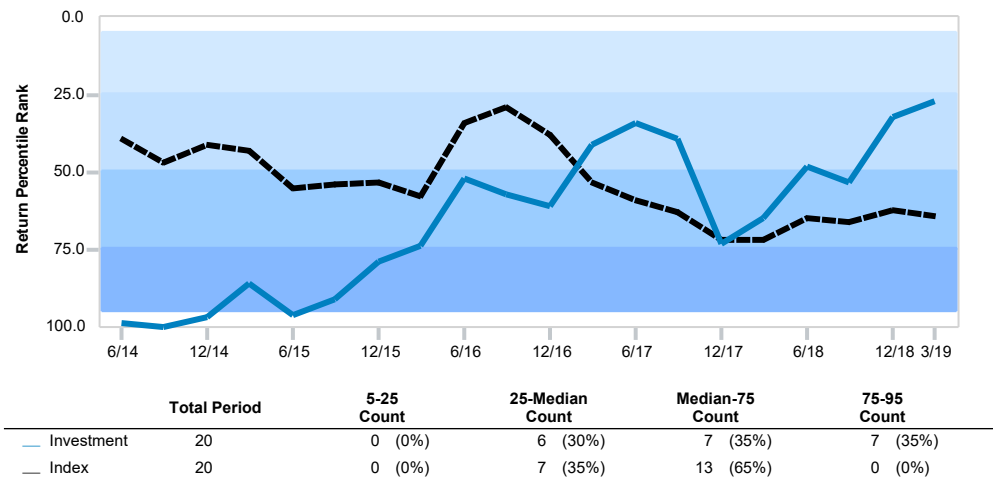
Risk and Return 3 Years



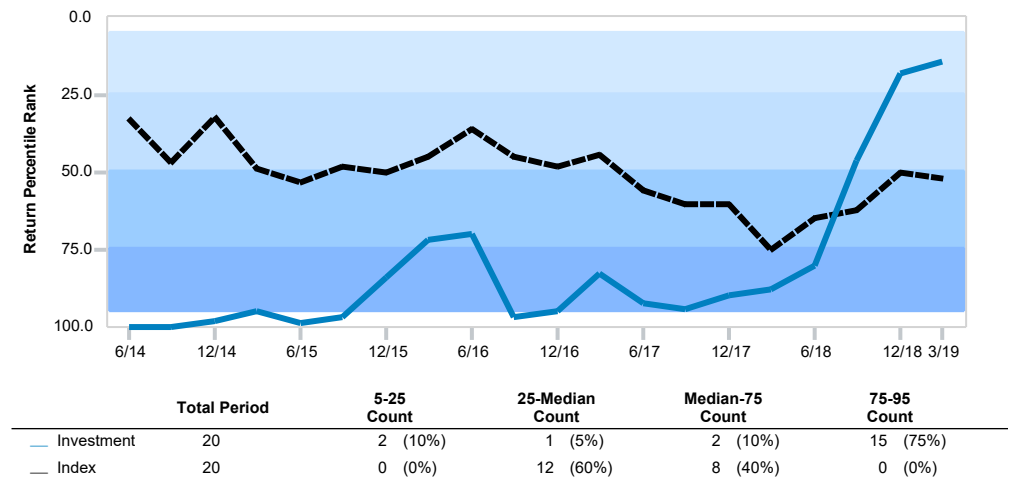
Risk and Return 5 Years



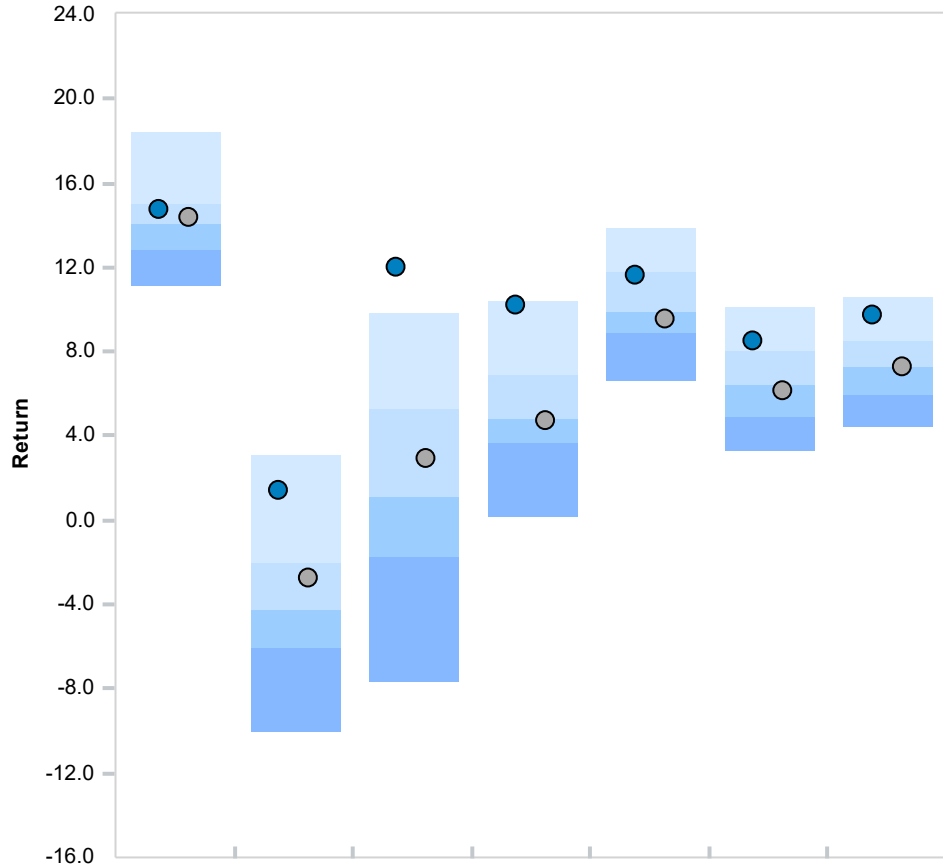
3 Year Rolling Percentile Rank IM U.S. Mid Cap Value Equity (SA+CF)



5 Year Rolling Percentile Rank IM U.S. Mid Cap Value Equity (SA+CF)

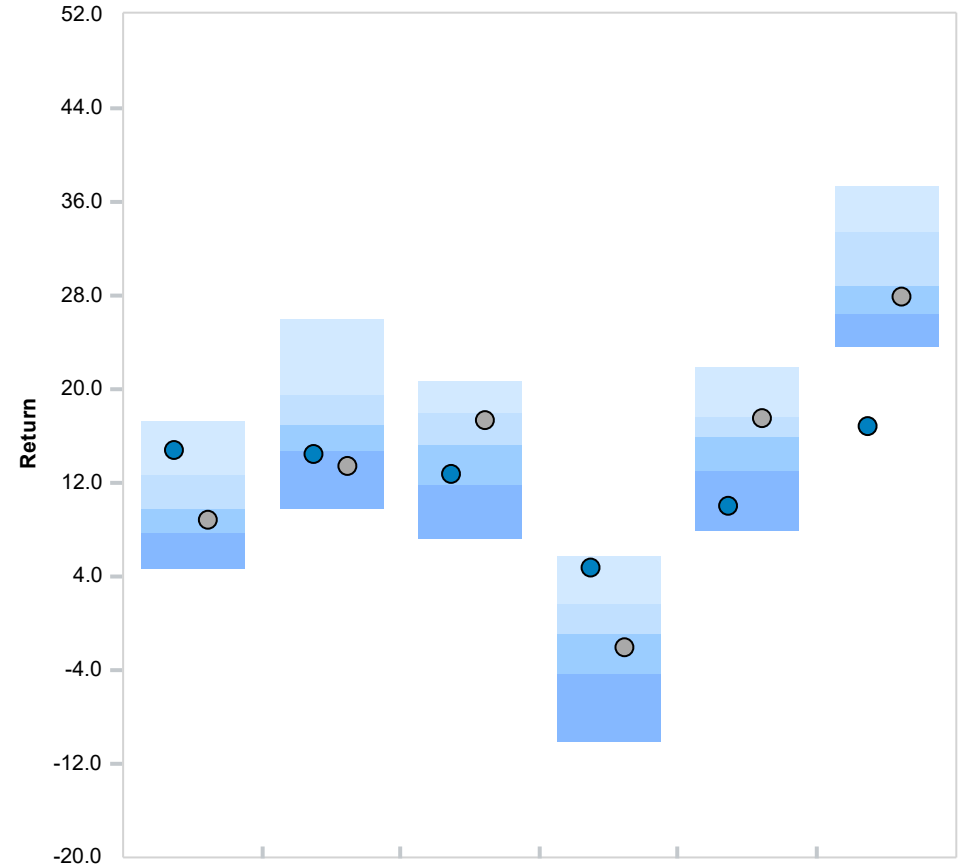


Peer Group Analysis - IM U.S. Mid Cap Value Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	14.74 (37)	1.38 (8)	11.98 (2)	10.15 (9)	11.63 (27)	8.51 (18)	9.75 (14)
● Index	14.37 (45)	-2.73 (33)	2.89 (40)	4.68 (51)	9.50 (64)	6.13 (60)	7.22 (52)
Median	14.08	-4.24	1.09	4.84	9.93	6.43	7.27

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



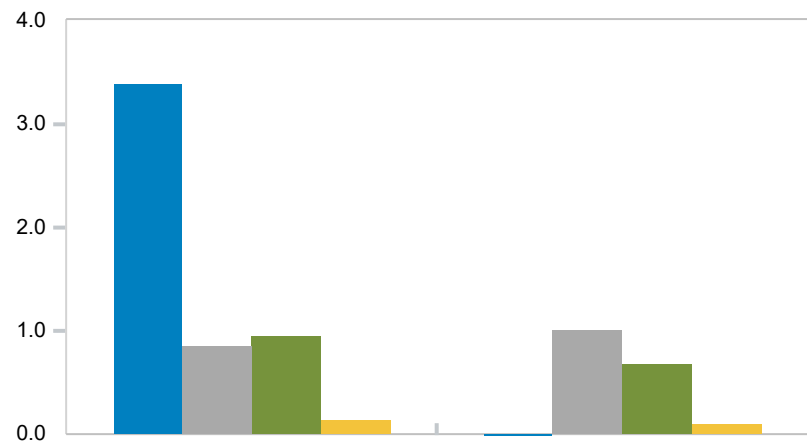
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	14.65 (17)	14.45 (79)	12.76 (68)	4.71 (8)	9.97 (92)	16.82 (100)
● Index	8.81 (62)	13.37 (84)	17.26 (28)	-2.07 (60)	17.46 (28)	27.77 (62)
Median	9.72	16.96	15.16	-0.95	15.83	28.86

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-11.64 (8)	6.19 (7)	4.02 (21)	-0.09 (16)	3.89 (91)	2.51 (74)
Index	-14.95 (35)	3.30 (58)	2.41 (45)	-2.50 (82)	5.50 (50)	2.14 (86)
Median	-16.33	3.52	2.31	-1.60	5.50	3.49

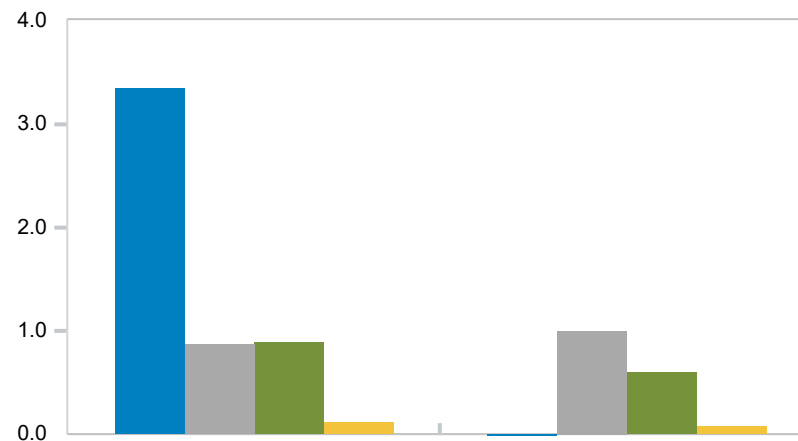


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



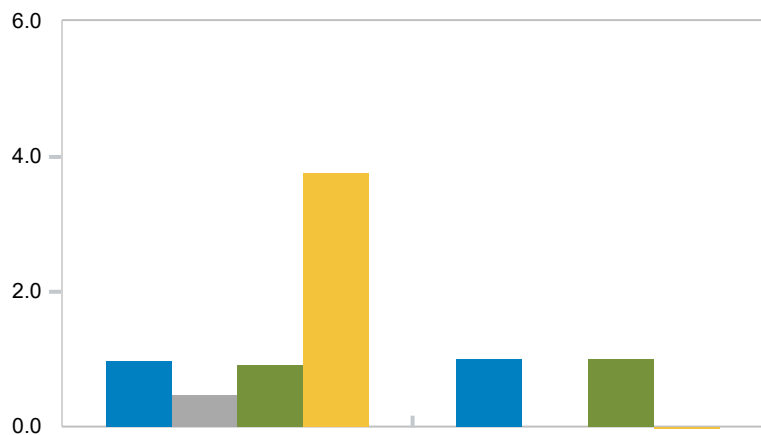
	Anchor Equity	Russell Midcap Value Index
Alpha	3.39	0.00
Beta	0.84	1.00
Sharpe Ratio	0.94	0.68
Treynor Ratio	0.13	0.09

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



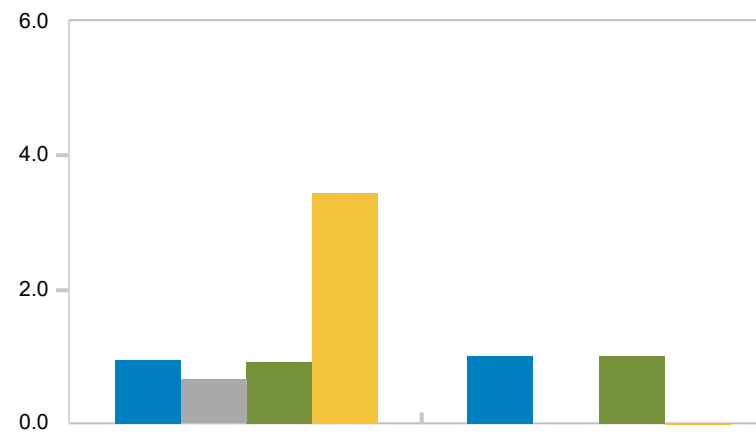
	Anchor Equity	Russell Midcap Value Index
Alpha	3.35	0.00
Beta	0.86	1.00
Sharpe Ratio	0.88	0.60
Treynor Ratio	0.11	0.07

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.96	1.00
Information Ratio	0.46	N/A
R-Squared	0.92	1.00
Tracking Error	3.78	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.96	1.00
Information Ratio	0.65	N/A
R-Squared	0.92	1.00
Tracking Error	3.45	0.00

Benchmark: Russell Midcap Value Index



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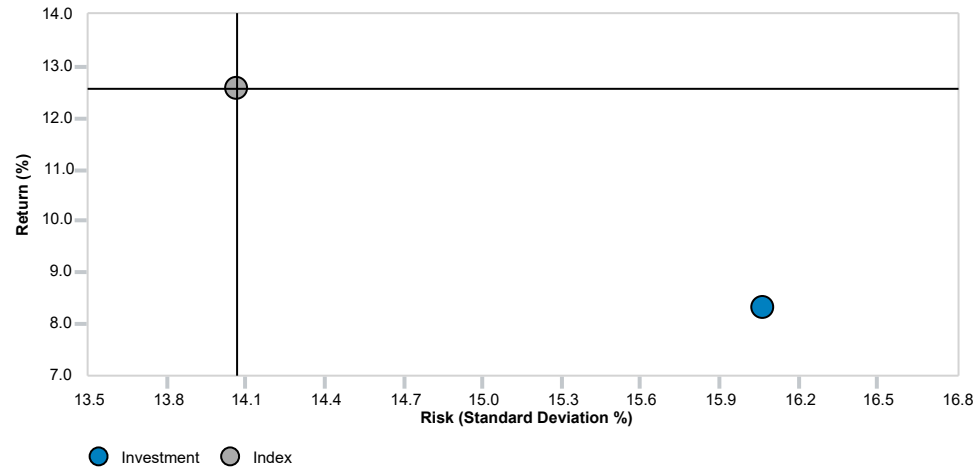
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.30	16.06	0.51	102.78	8	137.96	4
Index	12.56	14.07	0.83	100.00	10	100.00	2

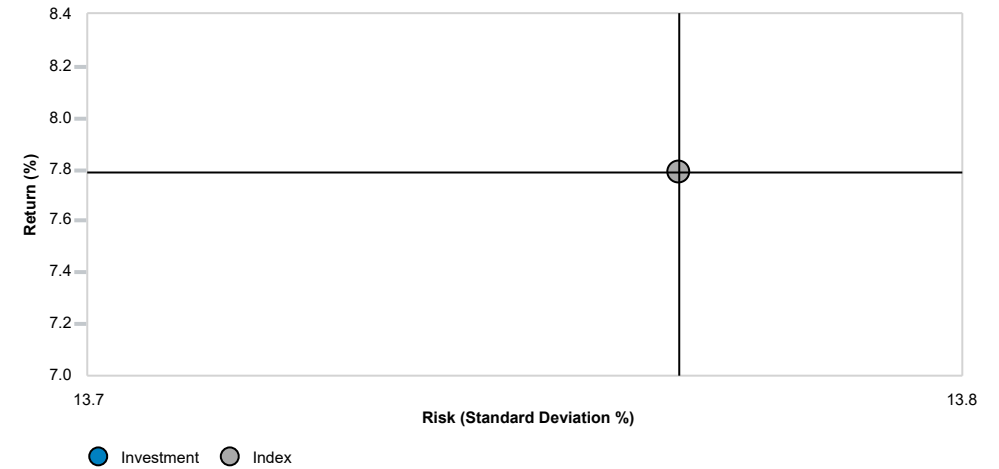
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	7.79	13.77	0.57	100.00	15	100.00	5

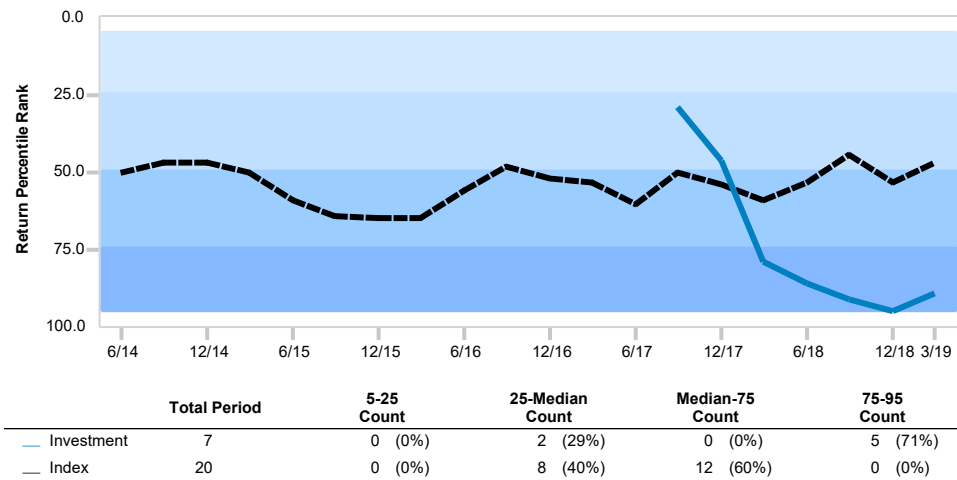
Risk and Return 3 Years



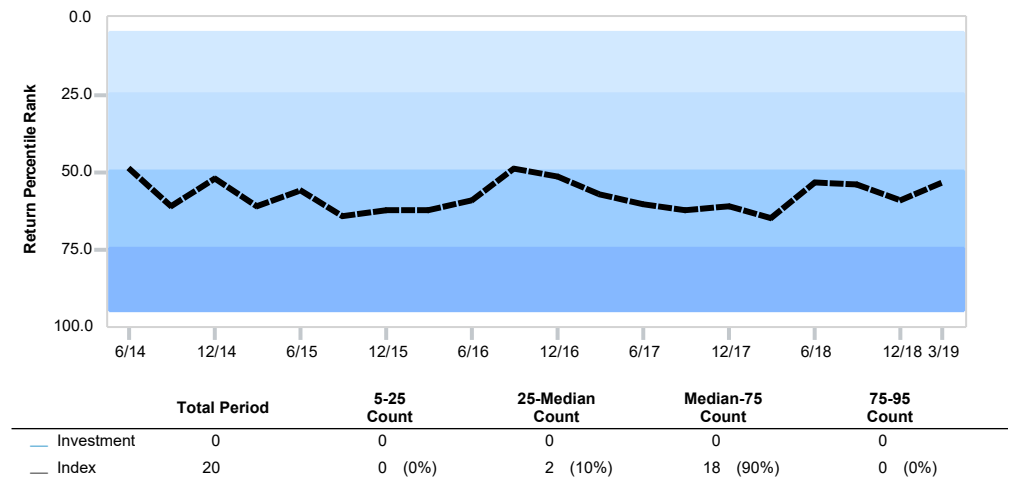
Risk and Return 5 Years



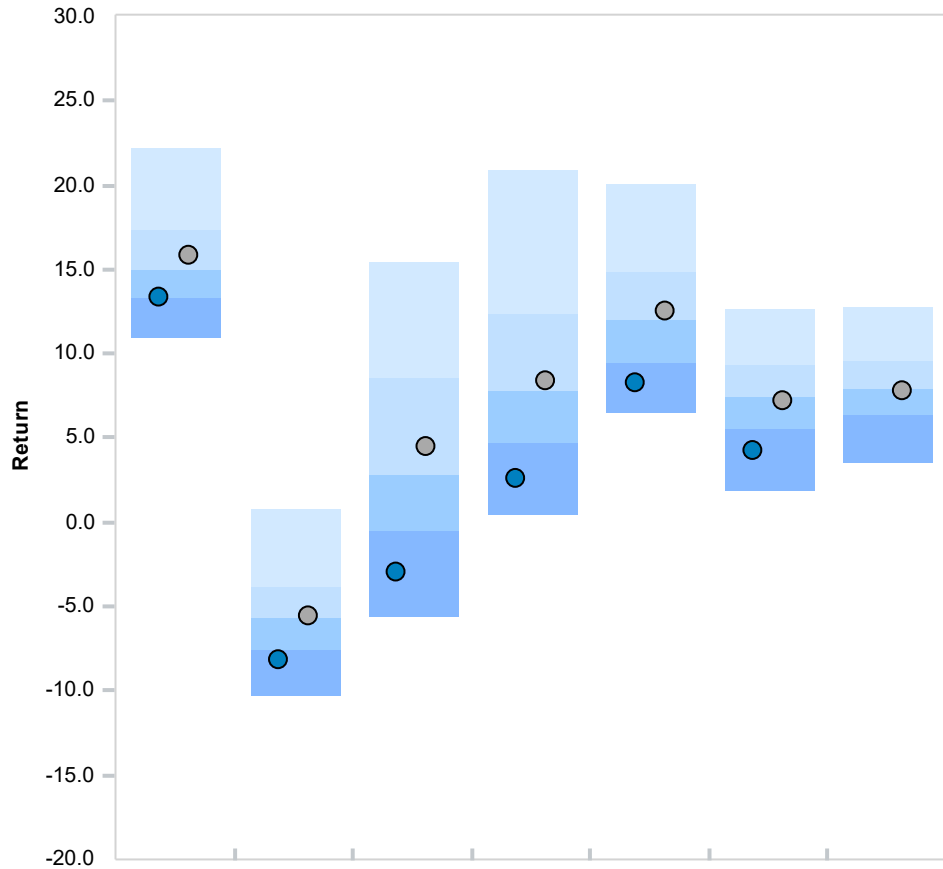
3 Year Rolling Percentile Rank IM U.S. SMID Cap Equity (SA+CF)



5 Year Rolling Percentile Rank IM U.S. SMID Cap Equity (SA+CF)

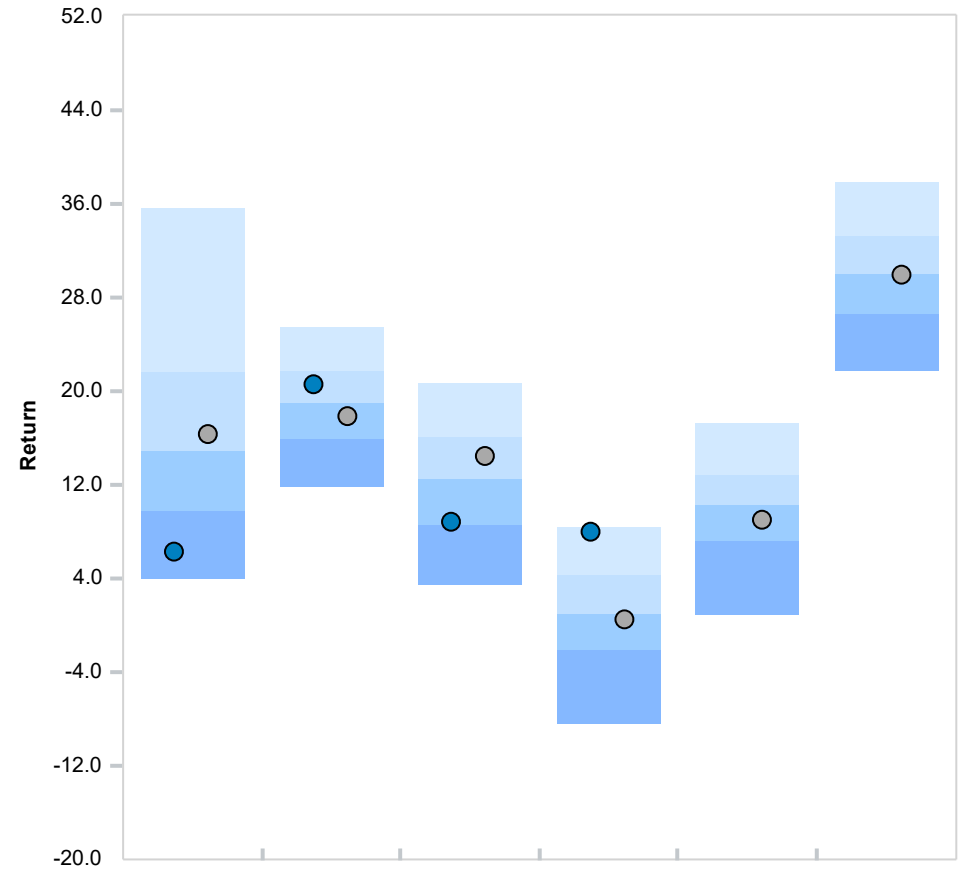


Peer Group Analysis - IM U.S. SMID Cap Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	13.38 (74)	-8.18 (83)	-2.98 (87)	2.57 (85)	8.30 (89)	4.20 (89)	N/A
● Index	15.82 (42)	-5.59 (49)	4.48 (40)	8.33 (48)	12.56 (47)	7.22 (55)	7.79 (53)
Median	14.98	-5.67	2.86	7.78	12.05	7.44	7.94

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



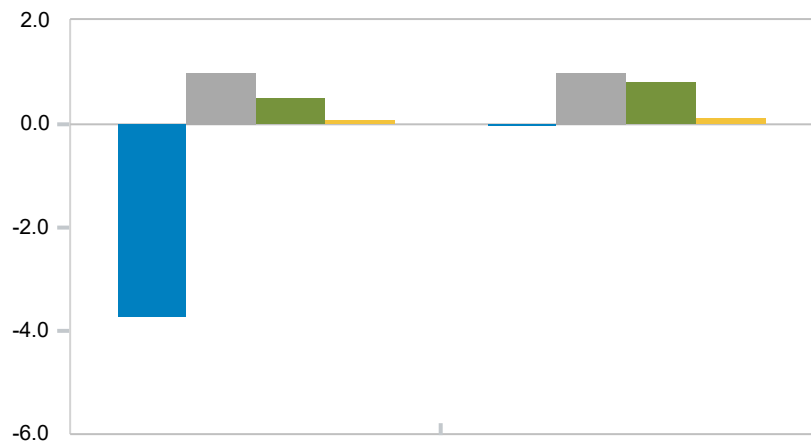
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	6.13 (91)	20.50 (35)	8.71 (74)	7.88 (10)	N/A	N/A
● Index	16.19 (43)	17.79 (63)	14.44 (35)	0.38 (57)	8.97 (61)	29.79 (53)
Median	14.95	18.95	12.54	0.96	10.36	29.97

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-19.02 (65)	1.78 (82)	3.82 (58)	-2.10 (83)	2.59 (93)	5.13 (33)
Index	-18.49 (59)	4.70 (52)	5.71 (32)	-0.24 (55)	5.24 (59)	4.74 (40)
Median	-18.13	4.76	4.34	-0.07	5.51	4.32

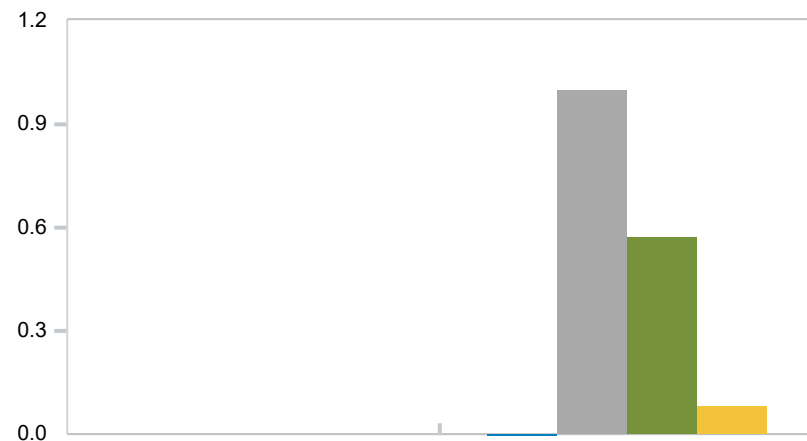


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



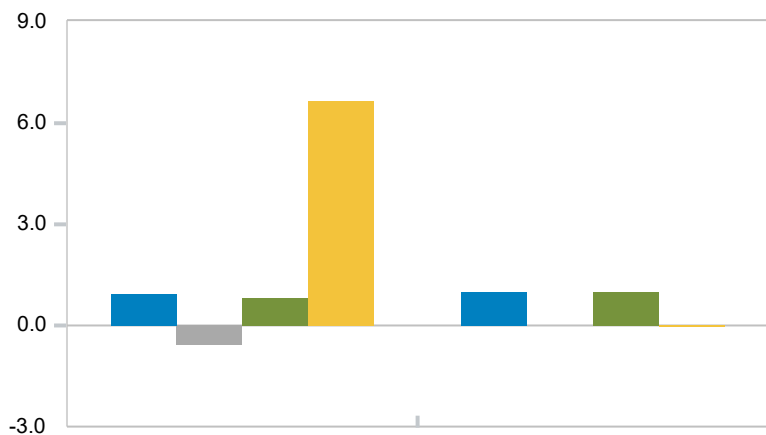
	New Amsterdam Equity	Russell 2500 Index
Alpha	-3.72	0.00
Beta	1.00	1.00
Sharpe Ratio	0.50	0.80
Treynor Ratio	0.08	0.12

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



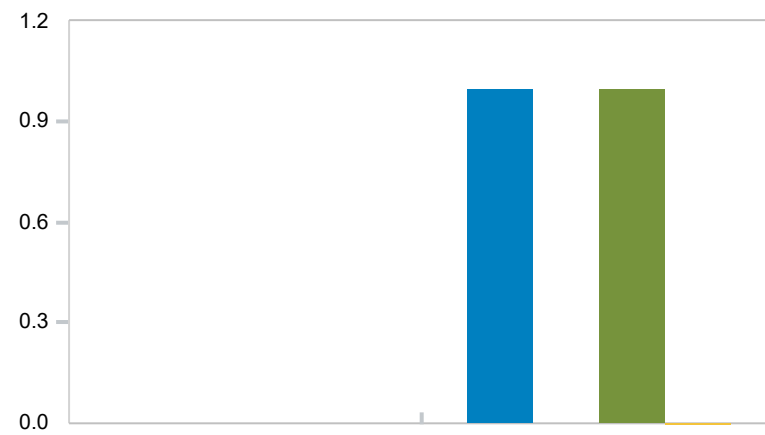
	New Amsterdam Equity	Russell 2500 Index
Alpha	N/A	0.00
Beta	N/A	1.00
Sharpe Ratio	N/A	0.57
Treynor Ratio	N/A	0.08

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	New Amsterdam Equity	Russell 2500 Index
Actual Correlation	0.92	1.00
Information Ratio	-0.56	N/A
R-Squared	0.84	1.00
Tracking Error	6.62	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019

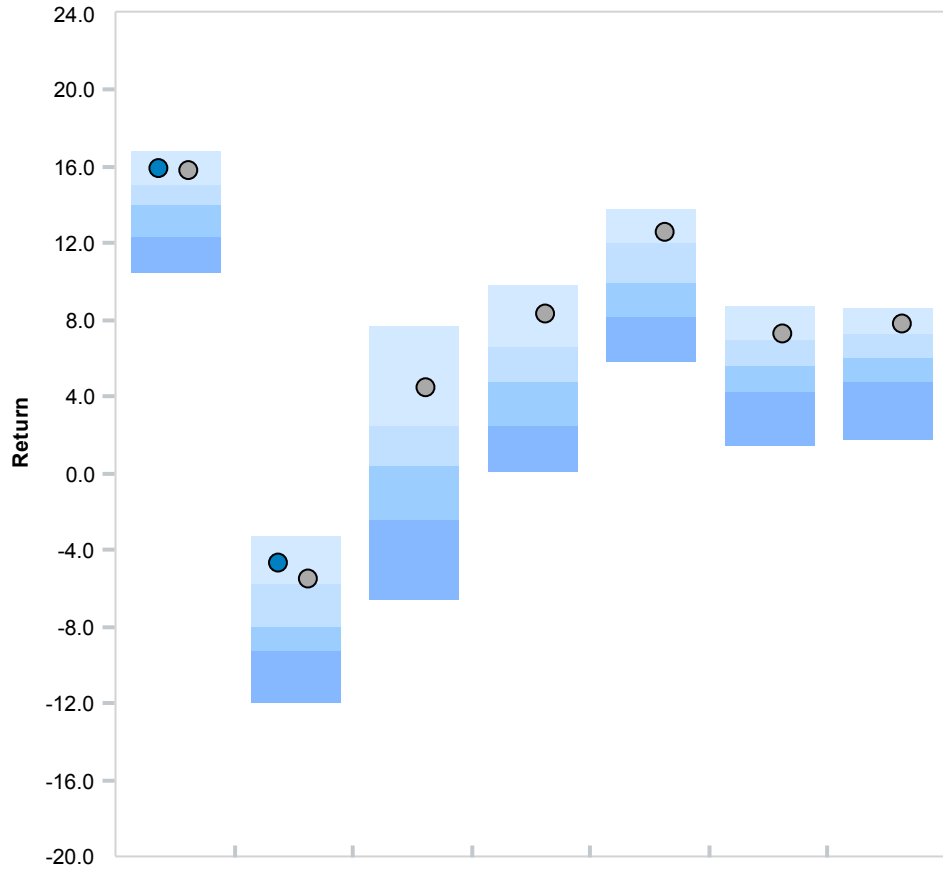


	New Amsterdam Equity	Russell 2500 Index
Actual Correlation	N/A	1.00
Information Ratio	N/A	N/A
R-Squared	N/A	1.00
Tracking Error	N/A	0.00

Benchmark: Russell 2500 Index

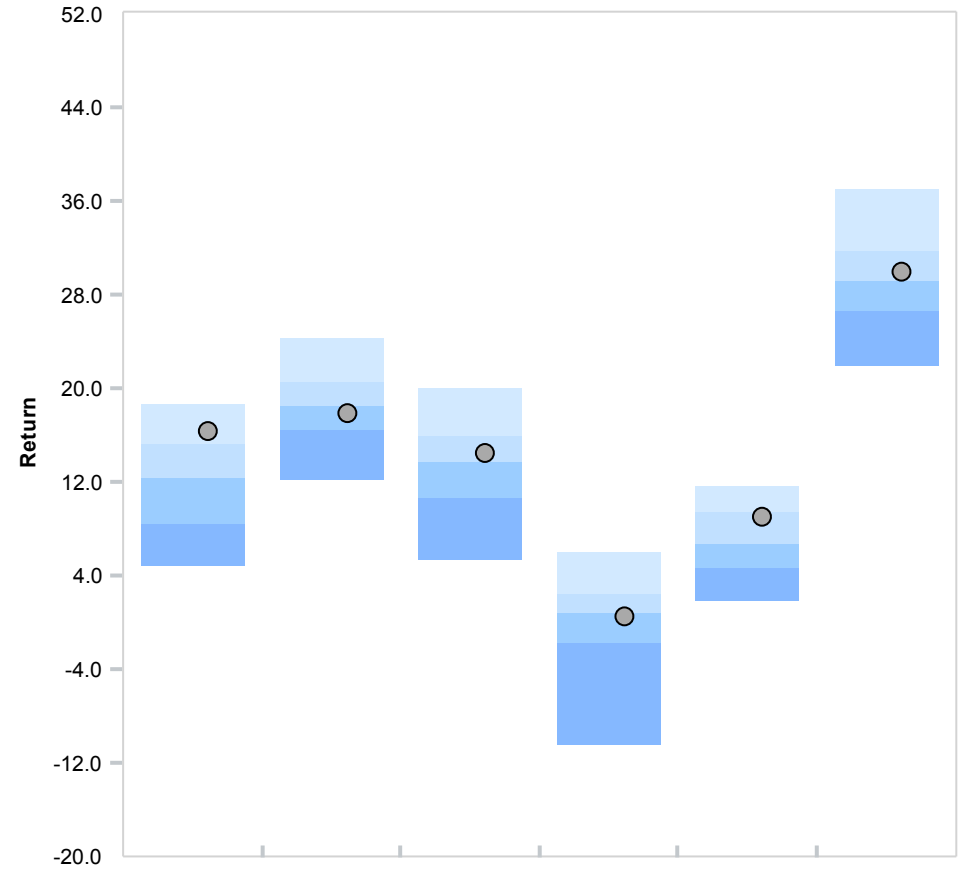


Peer Group Analysis - IM U.S. SMID Cap Core Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	15.84 (16)	-4.74 (10)	N/A	N/A	N/A	N/A	N/A
● Index	15.82 (16)	-5.59 (24)	4.48 (15)	8.33 (13)	12.56 (18)	7.22 (19)	7.79 (17)
Median	14.01	-8.08	0.38	4.78	9.97	5.57	6.01

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



	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
● Investment	N/A	N/A	N/A	N/A	N/A	N/A
● Index	16.19 (16)	17.79 (57)	14.44 (46)	0.38 (56)	8.97 (29)	29.79 (44)
Median	12.30	18.42	13.75	0.75	6.73	29.25

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-17.77 (26)	N/A	N/A	N/A	N/A	N/A
Index	-18.49 (40)	4.70 (18)	5.71 (50)	-0.24 (29)	5.24 (24)	4.74 (51)
Median	-18.95	3.26	5.69	-1.07	3.91	4.74



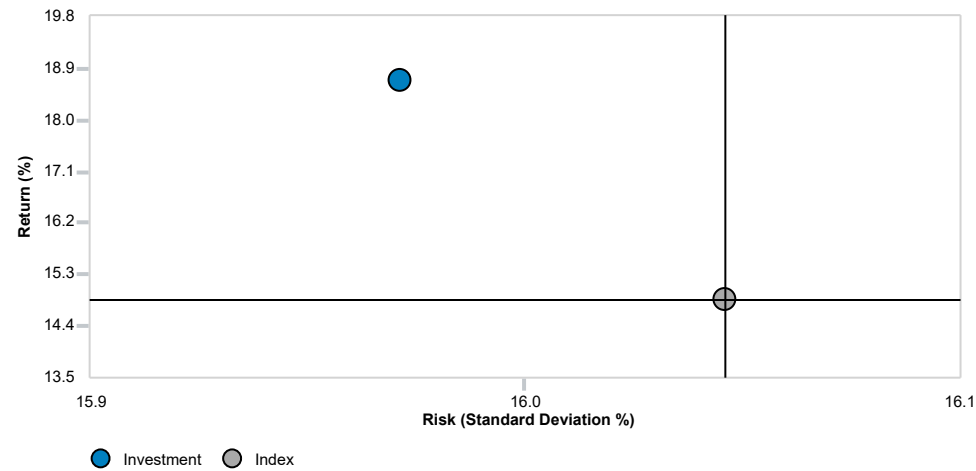
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	18.69	15.97	1.09	105.44	11	86.24	1
Index	14.87	16.05	0.88	100.00	11	100.00	1

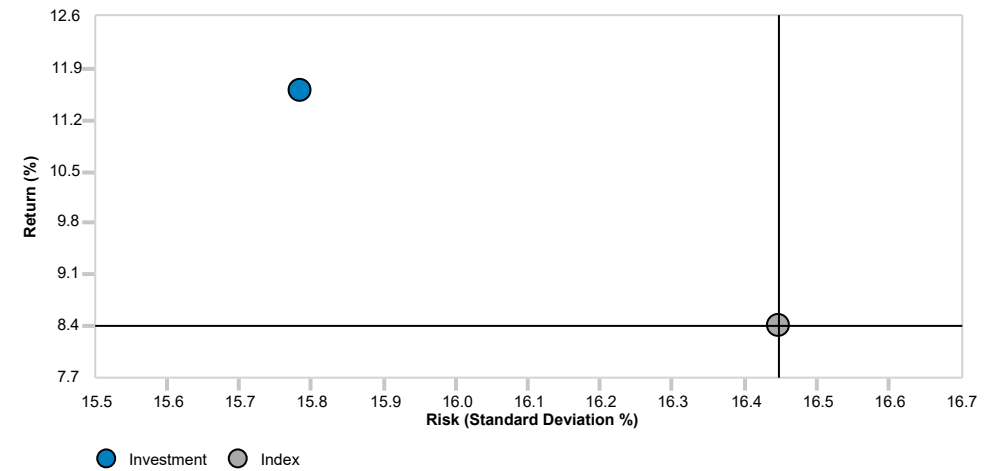
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.59	15.78	0.74	109.17	16	87.69	4
Index	8.41	16.45	0.54	100.00	16	100.00	4

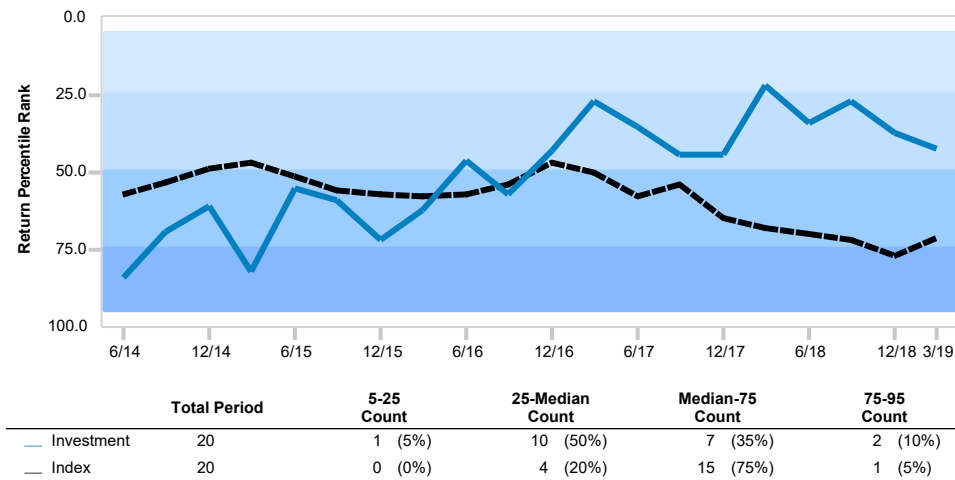
Risk and Return 3 Years



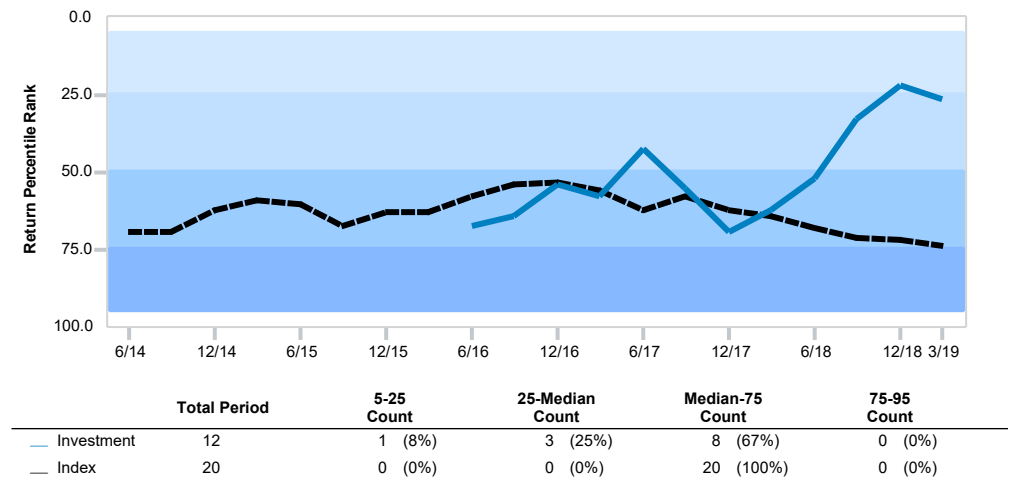
Risk and Return 5 Years



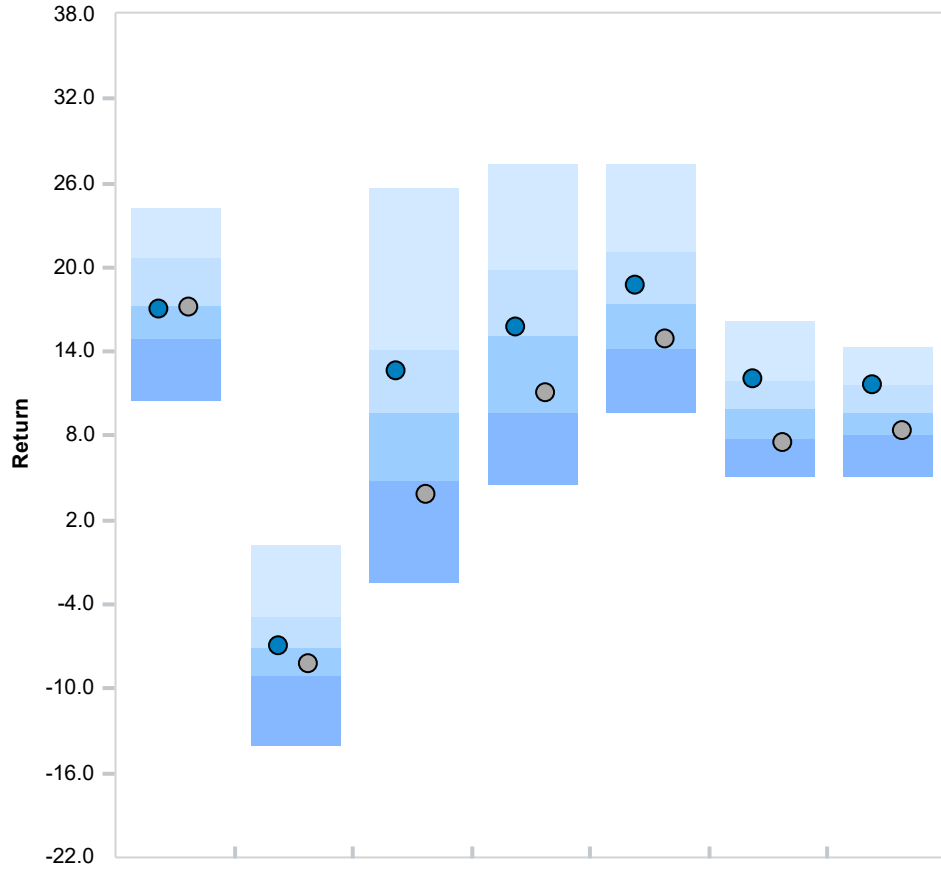
3 Year Rolling Percentile Rank IM U.S. Small Cap Growth Equity (SA+CF)



5 Year Rolling Percentile Rank IM U.S. Small Cap Growth Equity (SA+CF)

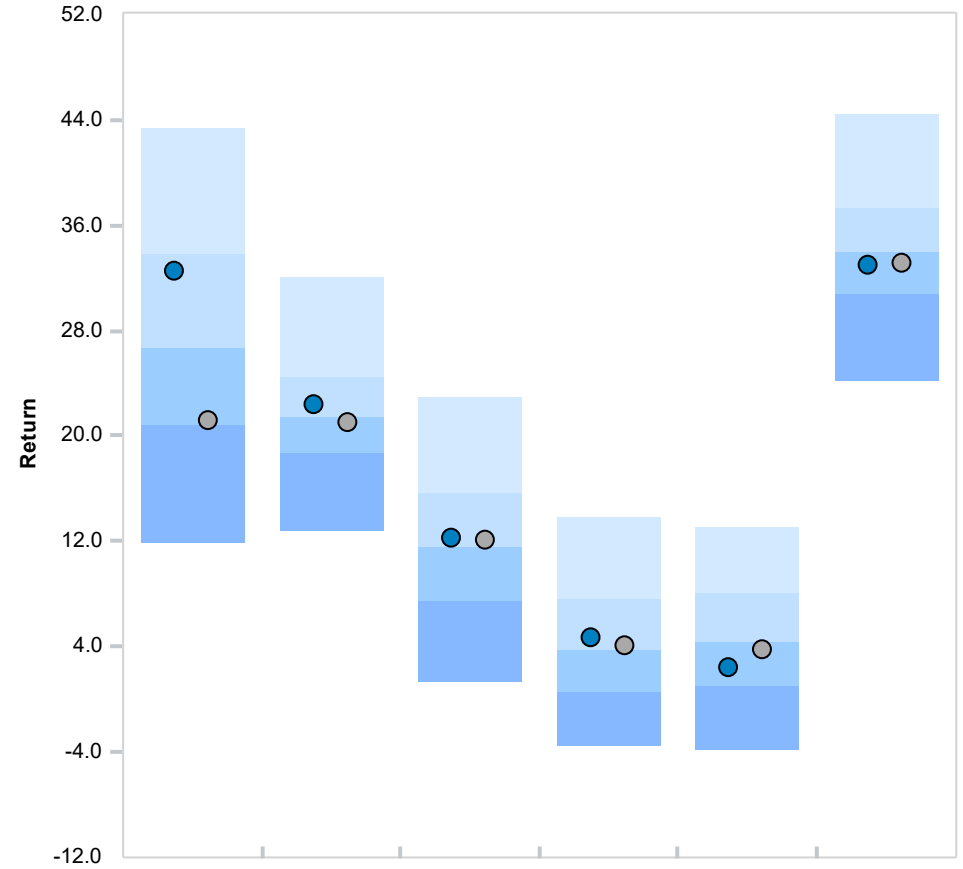


Peer Group Analysis - IM U.S. Small Cap Growth Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	17.03 (53)	-6.94 (48)	12.54 (35)	15.77 (43)	18.69 (42)	12.06 (25)	11.59 (26)
● Index	17.14 (52)	-8.22 (65)	3.85 (78)	11.00 (71)	14.87 (71)	7.52 (78)	8.41 (74)
Median	17.34	-7.16	9.62	15.17	17.42	9.94	9.60

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



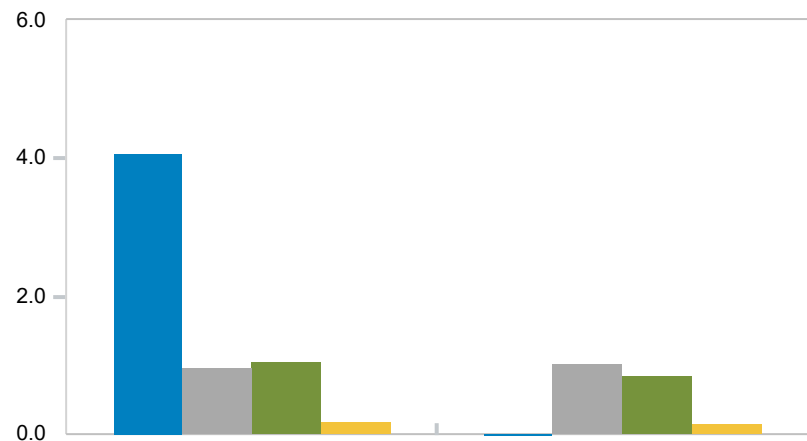
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	32.48 (29)	22.28 (39)	12.20 (47)	4.68 (44)	2.33 (64)	33.00 (59)
● Index	21.06 (75)	20.98 (58)	12.12 (47)	4.04 (50)	3.79 (55)	33.07 (58)
Median	26.69	21.37	11.64	3.76	4.39	33.99

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-20.48 (45)	10.83 (18)	9.12 (45)	3.39 (43)	5.95 (32)	4.41 (76)
Index	-21.65 (66)	5.52 (73)	7.23 (73)	2.30 (60)	4.59 (59)	6.22 (47)
Median	-20.70	7.71	8.78	2.97	4.86	5.97

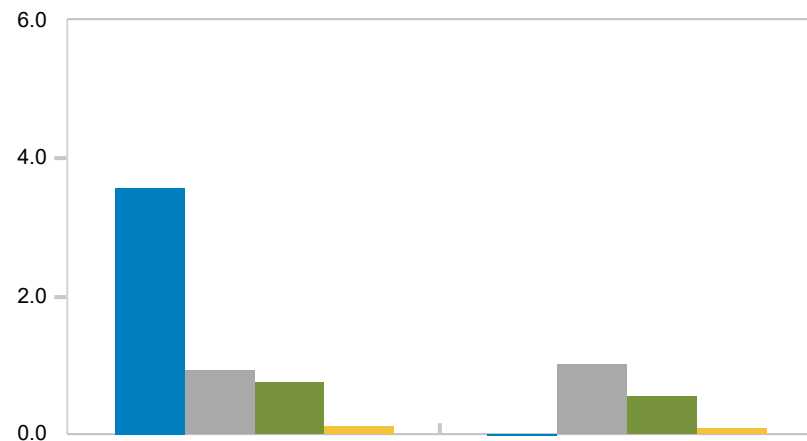


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



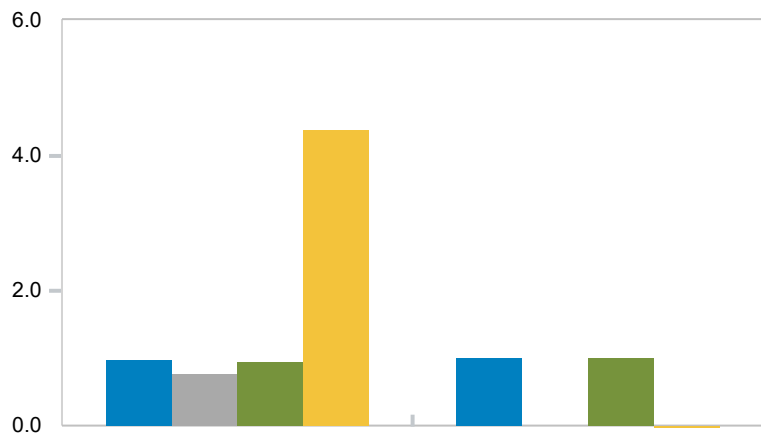
	Eagle Equity	Russell 2000 Growth Index
Alpha	4.05	0.00
Beta	0.96	1.00
Sharpe Ratio	1.05	0.84
Treynor Ratio	0.19	0.15

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



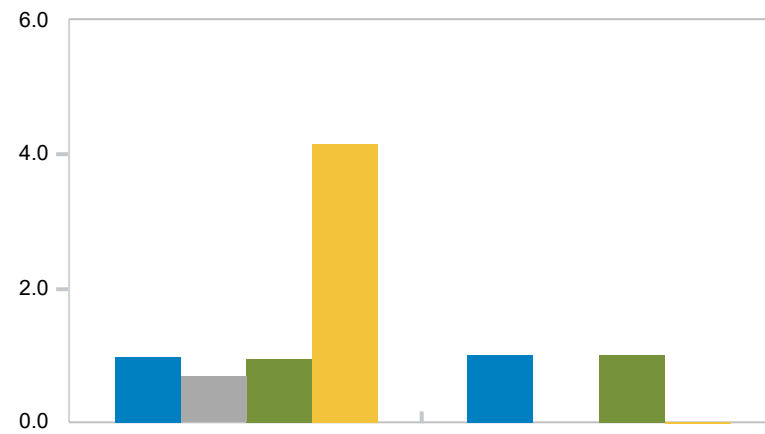
	Eagle Equity	Russell 2000 Growth Index
Alpha	3.56	0.00
Beta	0.93	1.00
Sharpe Ratio	0.74	0.54
Treynor Ratio	0.13	0.09

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	Eagle Equity	Russell 2000 Growth Index
Actual Correlation	0.97	1.00
Information Ratio	0.76	N/A
R-Squared	0.94	1.00
Tracking Error	4.39	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



	Eagle Equity	Russell 2000 Growth Index
Actual Correlation	0.97	1.00
Information Ratio	0.68	N/A
R-Squared	0.94	1.00
Tracking Error	4.15	0.00

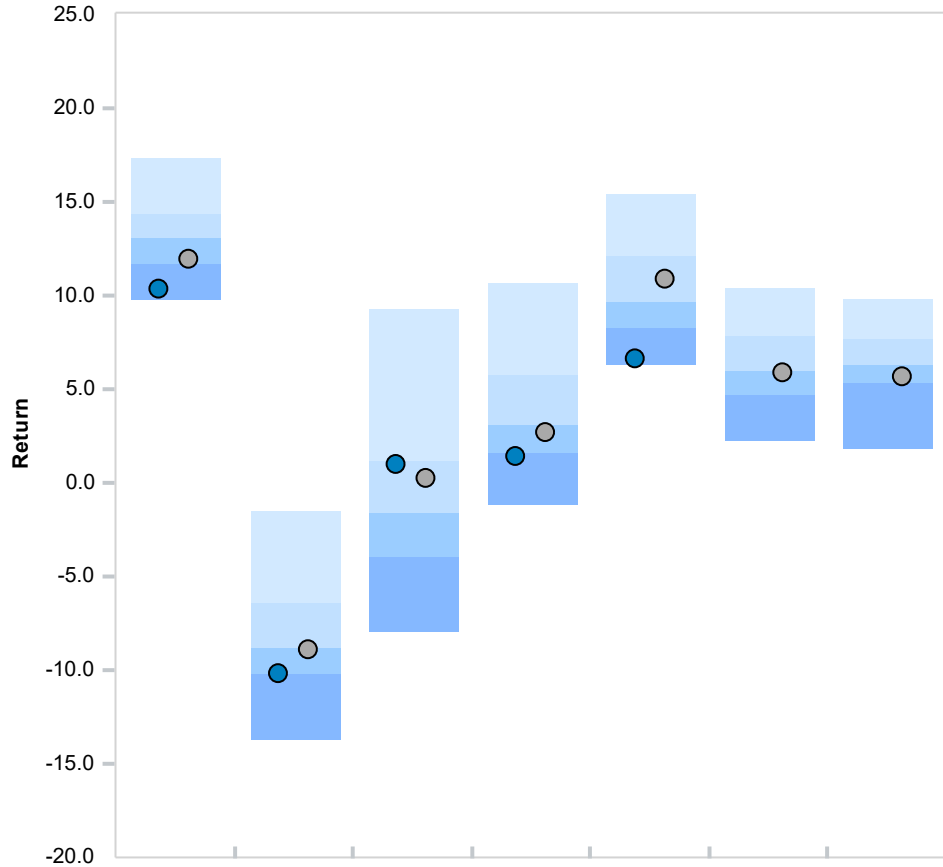
Benchmark: Russell 2000 Growth Index



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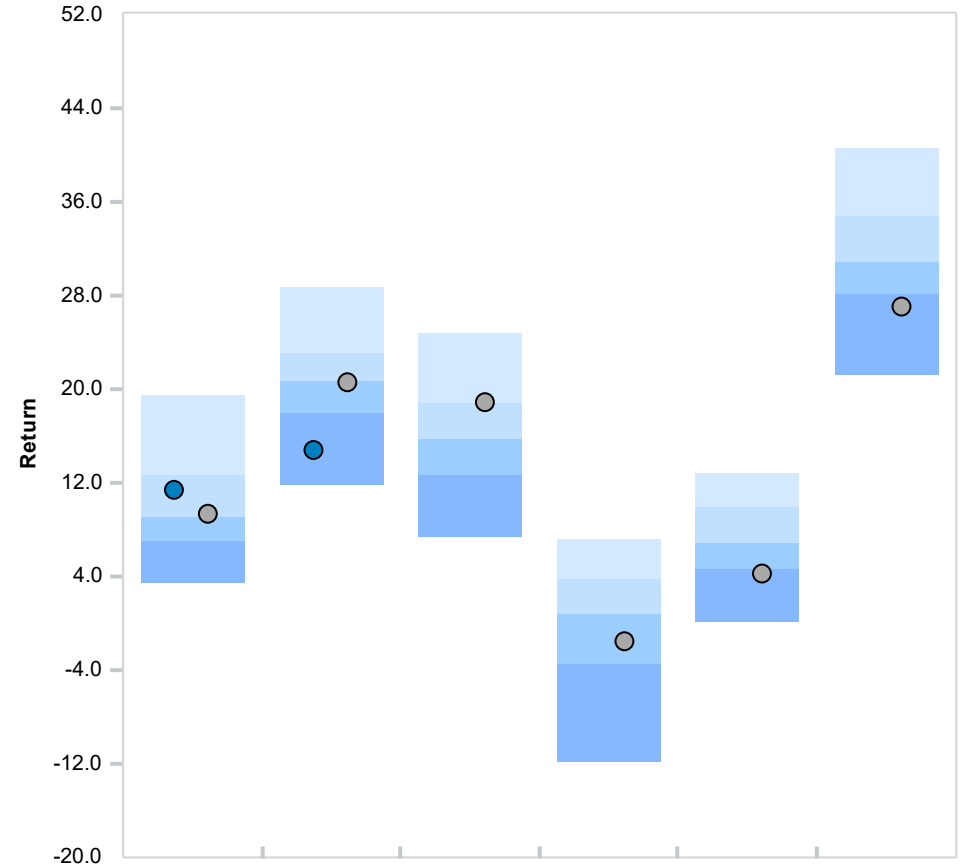


Peer Group Analysis - IM U.S. Small Cap Value Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	10.35 (92)	-10.17 (75)	1.01 (26)	1.42 (79)	6.57 (94)	N/A	N/A
● Index	11.93 (75)	-8.97 (54)	0.17 (35)	2.62 (55)	10.86 (36)	5.89 (51)	5.59 (68)
Median	13.13	-8.80	-1.60	3.08	9.64	5.98	6.32

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



	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
● Investment	11.34 (36)	14.79 (89)	N/A	N/A	N/A	N/A
● Index	9.33 (49)	20.55 (51)	18.81 (25)	-1.60 (67)	4.13 (80)	27.04 (82)
Median	9.07	20.61	15.70	0.82	6.95	30.96

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-18.60 (41)	3.90 (21)	8.22 (17)	-3.95 (90)	3.09 (69)	3.76 (80)
Index	-18.67 (42)	1.60 (51)	8.30 (16)	-2.64 (67)	2.05 (81)	5.11 (55)
Median	-19.19	1.65	5.59	-1.79	3.68	5.33



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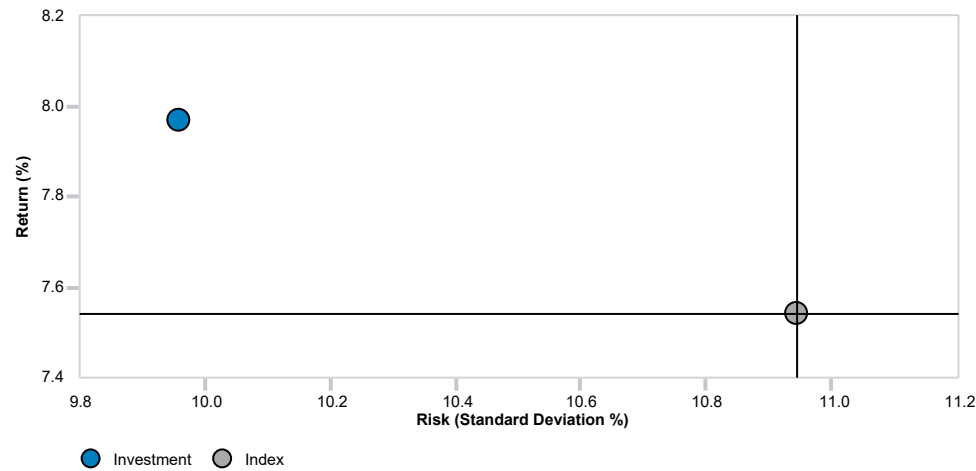
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.97	9.96	0.70	86.25	8	74.70	4
Index	7.54	10.94	0.61	100.00	8	100.00	4

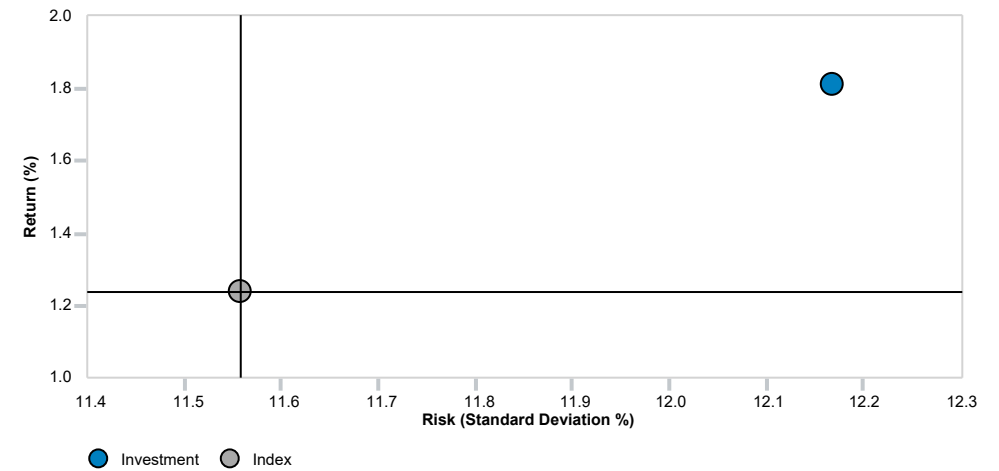
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	1.81	12.17	0.15	99.11	12	91.72	8
Index	1.24	11.56	0.10	100.00	12	100.00	8

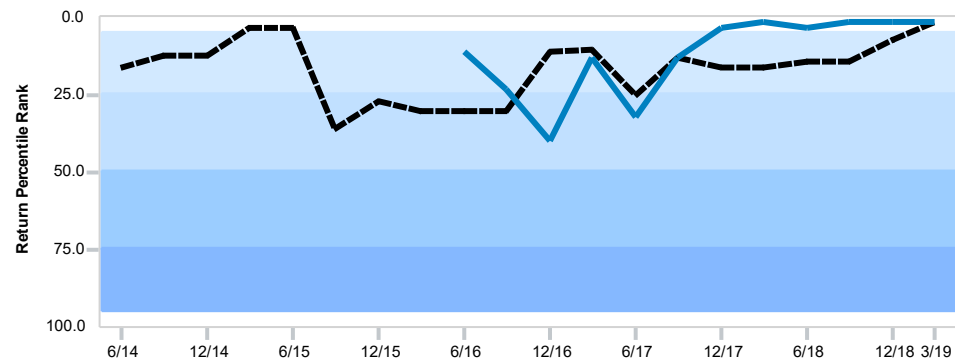
Risk and Return 3 Years



Risk and Return 5 Years

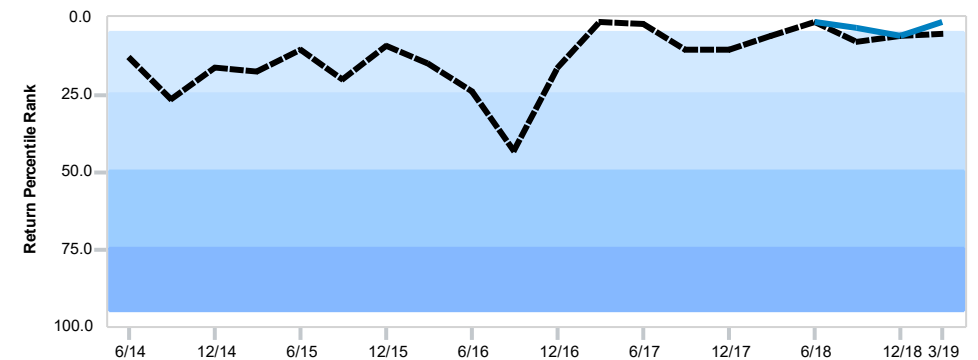


3 Year Rolling Percentile Rank IM International Large Cap Value Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	12	10 (83%)	2 (17%)	0 (0%)	0 (0%)
Index	20	15 (75%)	5 (25%)	0 (0%)	0 (0%)

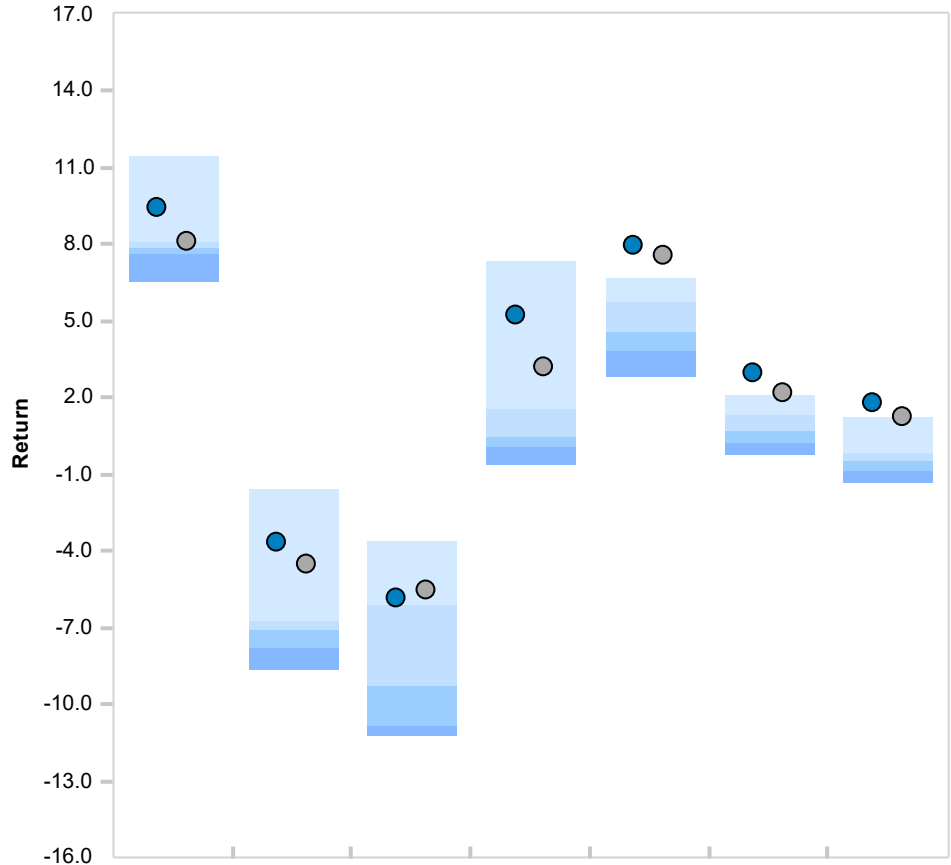
5 Year Rolling Percentile Rank IM International Large Cap Value Equity (MF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	4	4 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	18 (90%)	2 (10%)	0 (0%)	0 (0%)

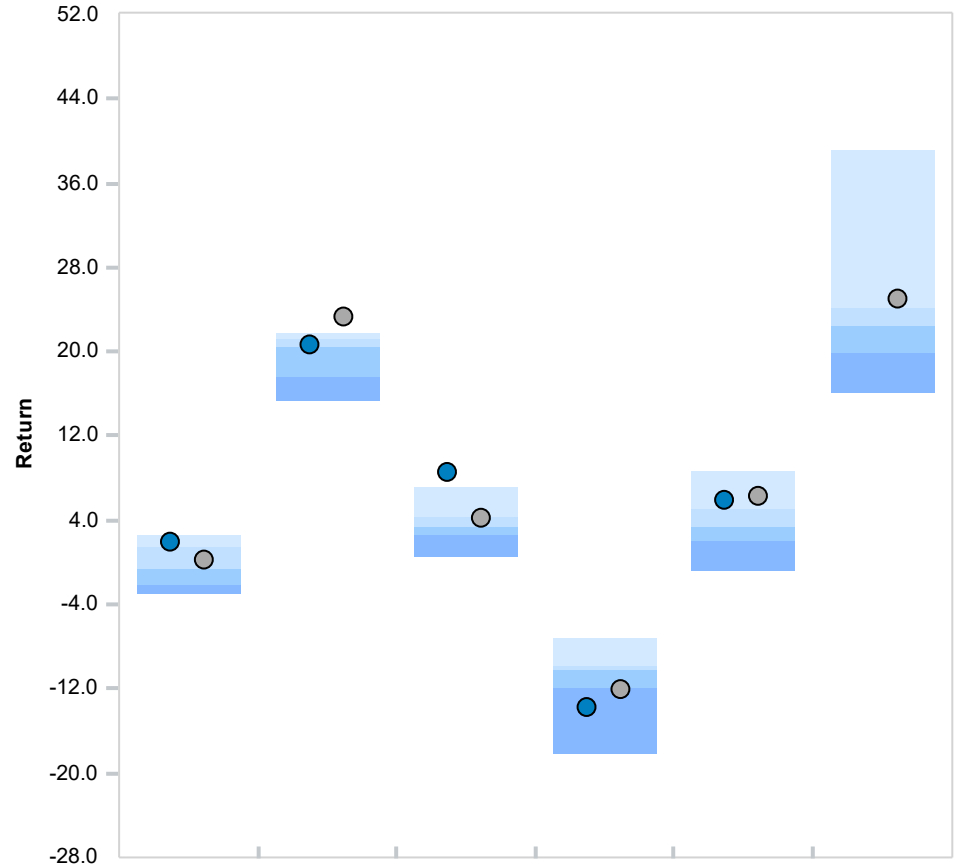


Peer Group Analysis - IM International Large Cap Value Equity (MF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	9.44 (11)	-3.70 (14)	-5.86 (21)	5.25 (8)	7.97 (1)	2.98 (1)	1.81 (1)
● Index	8.08 (27)	-4.51 (16)	-5.56 (17)	3.22 (13)	7.54 (1)	2.18 (5)	1.24 (5)
Median	7.89	-7.14	-9.27	0.50	4.61	0.69	-0.49

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



	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
● Investment	1.90 (20)	20.63 (41)	8.41 (1)	-13.91 (78)	5.83 (17)	N/A
● Index	0.24 (38)	23.22 (1)	4.16 (32)	-12.18 (76)	6.18 (16)	24.91 (12)
Median	-0.50	20.37	3.41	-10.30	3.41	22.49

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-12.01 (16)	0.99 (46)	-3.20 (71)	-0.63 (9)	4.90 (19)	6.72 (1)
Index	-11.65 (8)	1.26 (41)	-2.33 (21)	-1.87 (78)	3.28 (54)	5.95 (24)
Median	-13.81	0.60	-2.83	-1.50	3.44	5.16



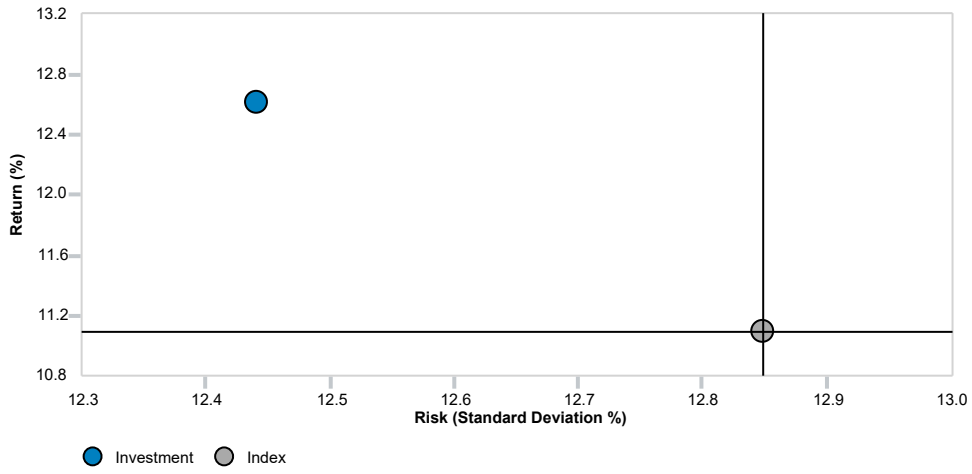
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.62	12.44	0.93	98.33	8	86.18	4
Index	11.09	12.85	0.79	100.00	8	100.00	4

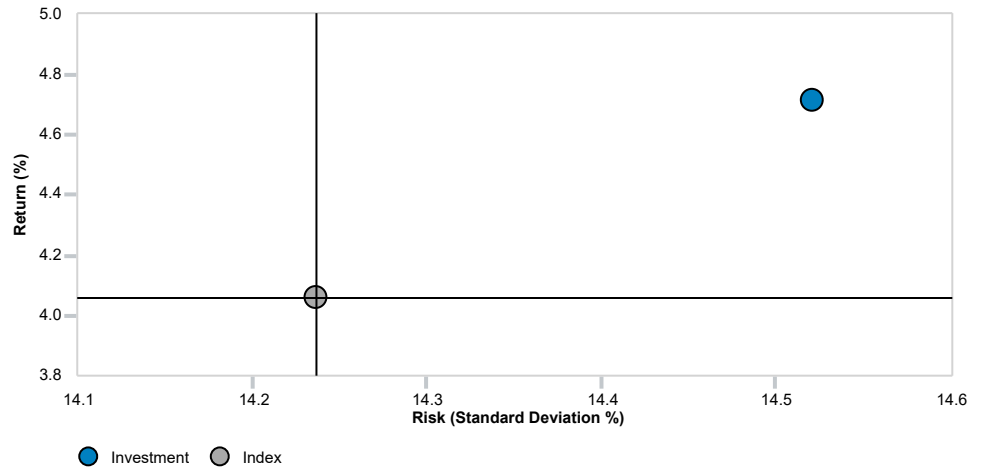
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.72	14.52	0.34	105.35	12	101.05	8
Index	4.06	14.24	0.30	100.00	13	100.00	7

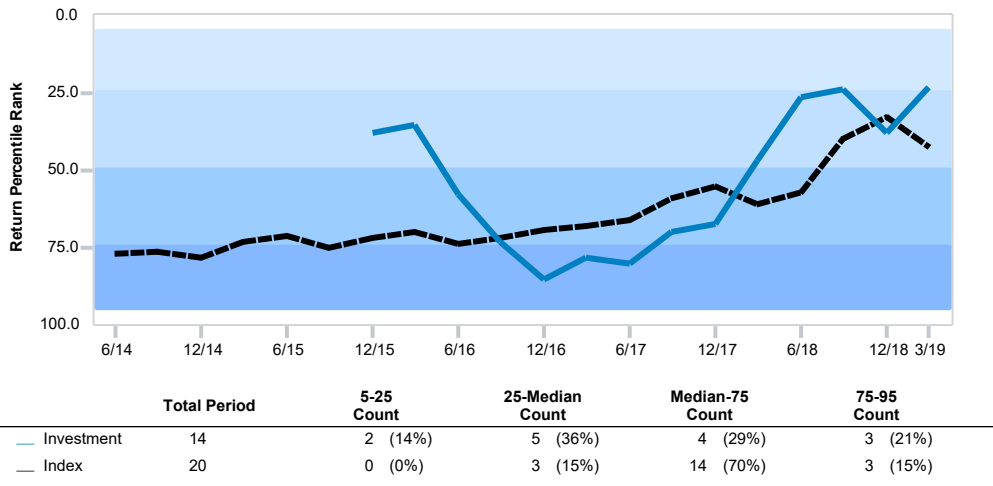
Risk and Return 3 Years



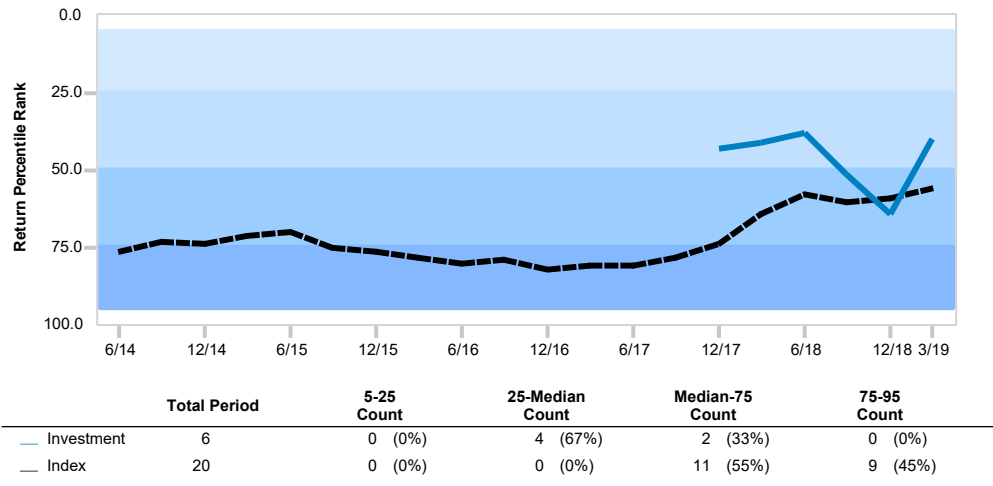
Risk and Return 5 Years



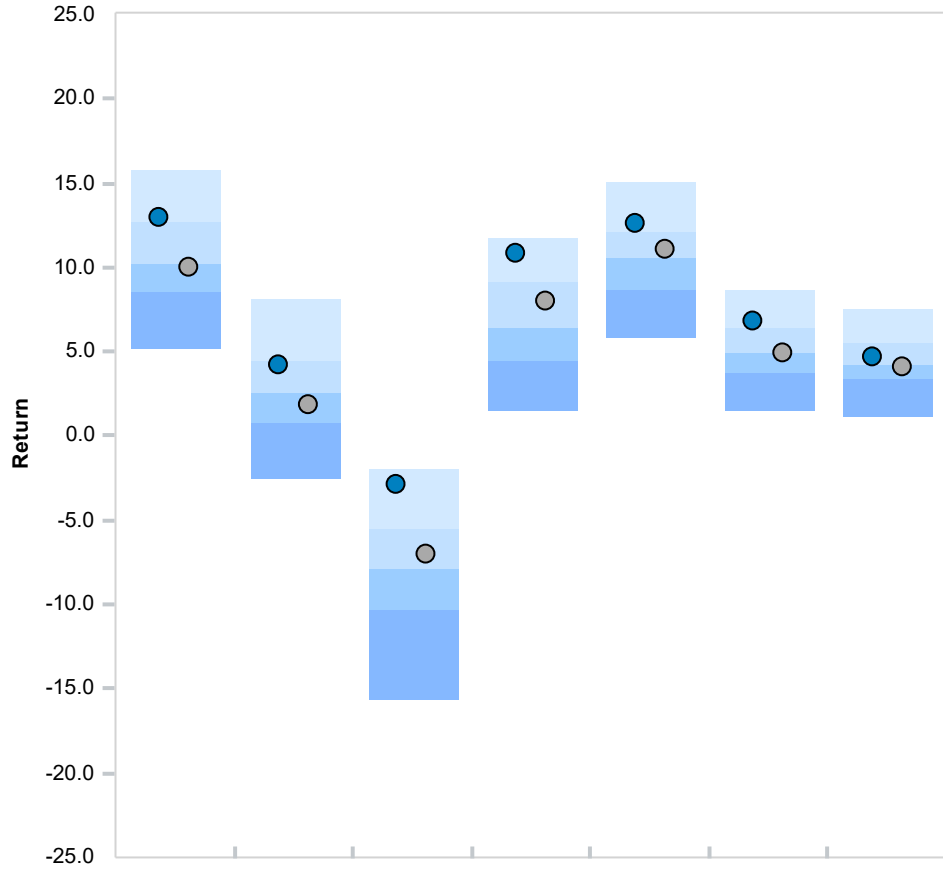
3 Year Rolling Percentile Rank IM Emerging Markets Equity (SA+CF)



5 Year Rolling Percentile Rank IM Emerging Markets Equity (SA+CF)

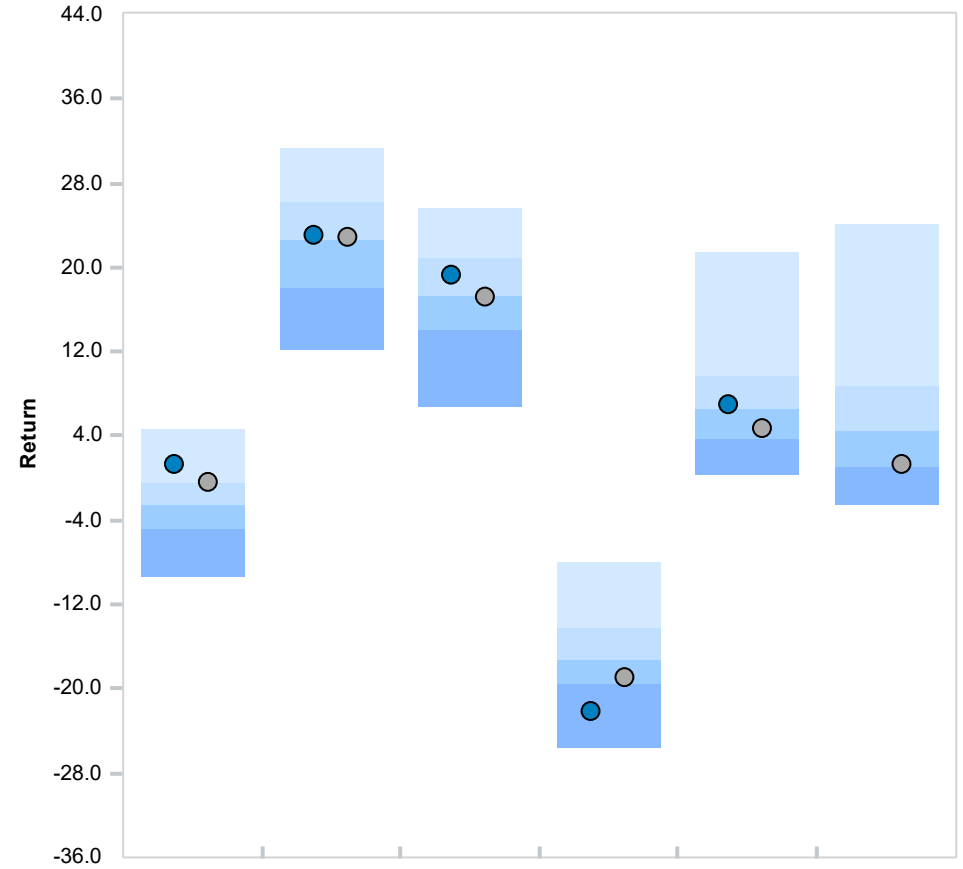


Peer Group Analysis - IM Emerging Markets Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	12.97 (22)	4.22 (28)	-2.91 (11)	10.81 (10)	12.62 (23)	6.84 (18)	4.72 (40)
● Index	9.97 (55)	1.83 (60)	-7.06 (41)	7.94 (36)	11.09 (42)	4.89 (52)	4.06 (56)
Median	10.17	2.55	-7.89	6.41	10.57	4.94	4.24

Peer Group Analysis - IM Emerging Markets Equity (SA+CF)



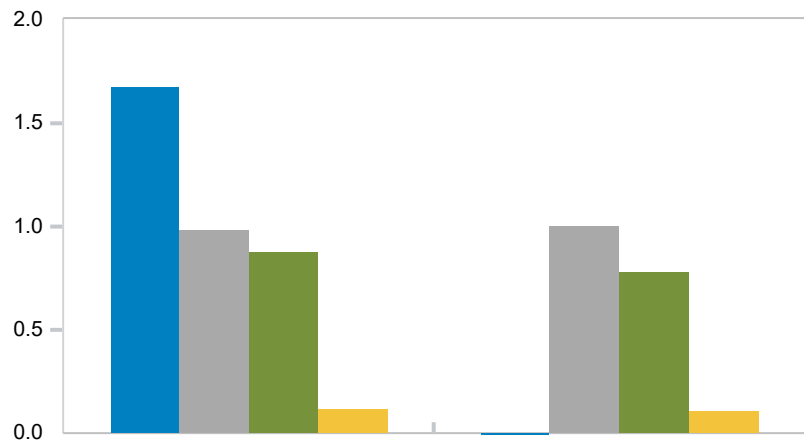
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	1.31 (14)	23.04 (47)	19.28 (35)	-22.23 (88)	6.91 (46)	N/A
● Index	-0.44 (25)	22.91 (48)	17.21 (51)	-18.98 (68)	4.66 (69)	1.33 (75)
Median	-2.59	22.66	17.33	-17.32	6.51	4.51

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-7.74 (61)	-3.08 (60)	-3.88 (5)	3.25 (17)	5.33 (81)	8.56 (32)
Index	-7.40 (54)	-0.95 (34)	-7.86 (43)	1.47 (58)	7.50 (35)	8.04 (41)
Median	-7.25	-2.29	-8.24	1.84	6.93	7.45

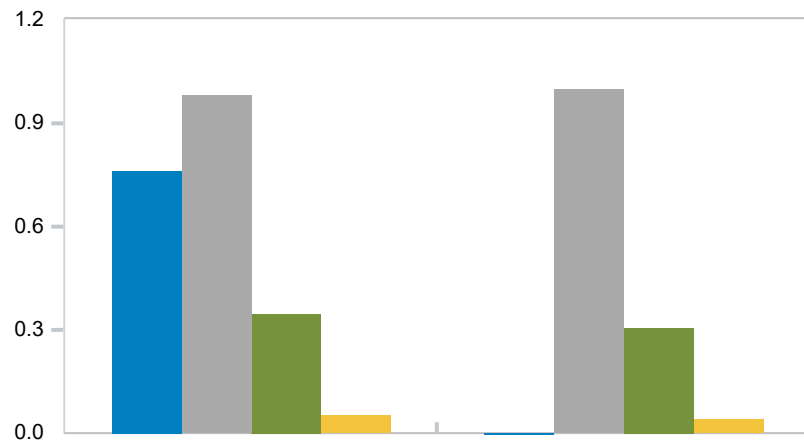


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



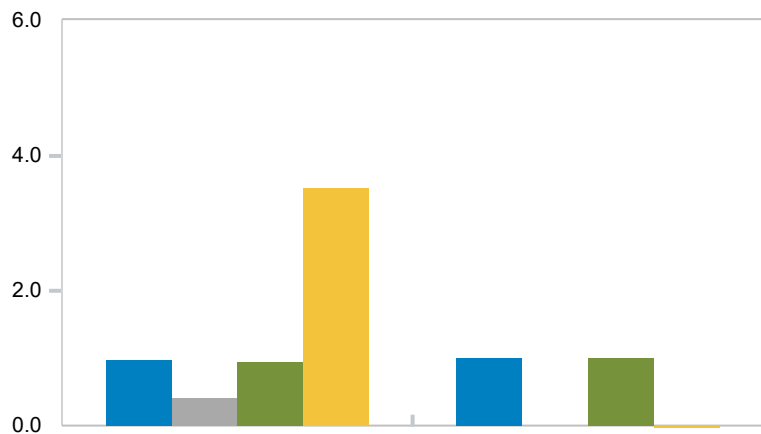
	Oppenheimer Int Equity	MSCI Emerging Markets Index
Alpha	1.67	0.00
Beta	0.98	1.00
Sharpe Ratio	0.88	0.78
Treynor Ratio	0.12	0.10

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



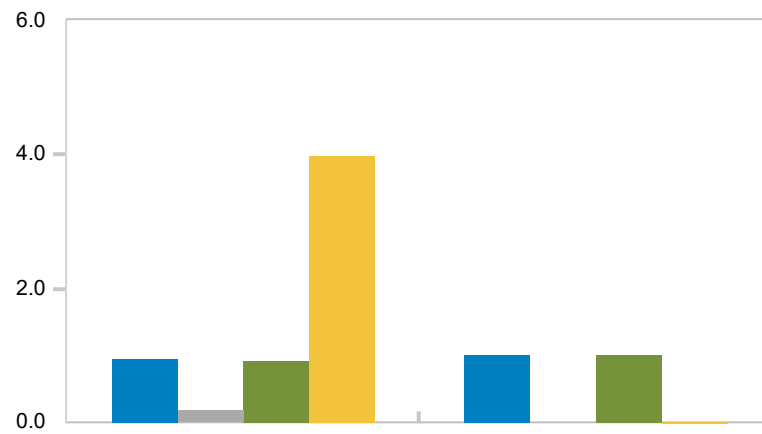
	Oppenheimer Int Equity	MSCI Emerging Markets Index
Alpha	0.76	0.00
Beta	0.98	1.00
Sharpe Ratio	0.34	0.30
Treynor Ratio	0.05	0.04

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	Oppenheimer Int Equity	MSCI Emerging Markets Index
Actual Correlation	0.96	1.00
Information Ratio	0.40	N/A
R-Squared	0.93	1.00
Tracking Error	3.54	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



	Oppenheimer Int Equity	MSCI Emerging Markets Index
Actual Correlation	0.96	1.00
Information Ratio	0.17	N/A
R-Squared	0.93	1.00
Tracking Error	3.98	0.00

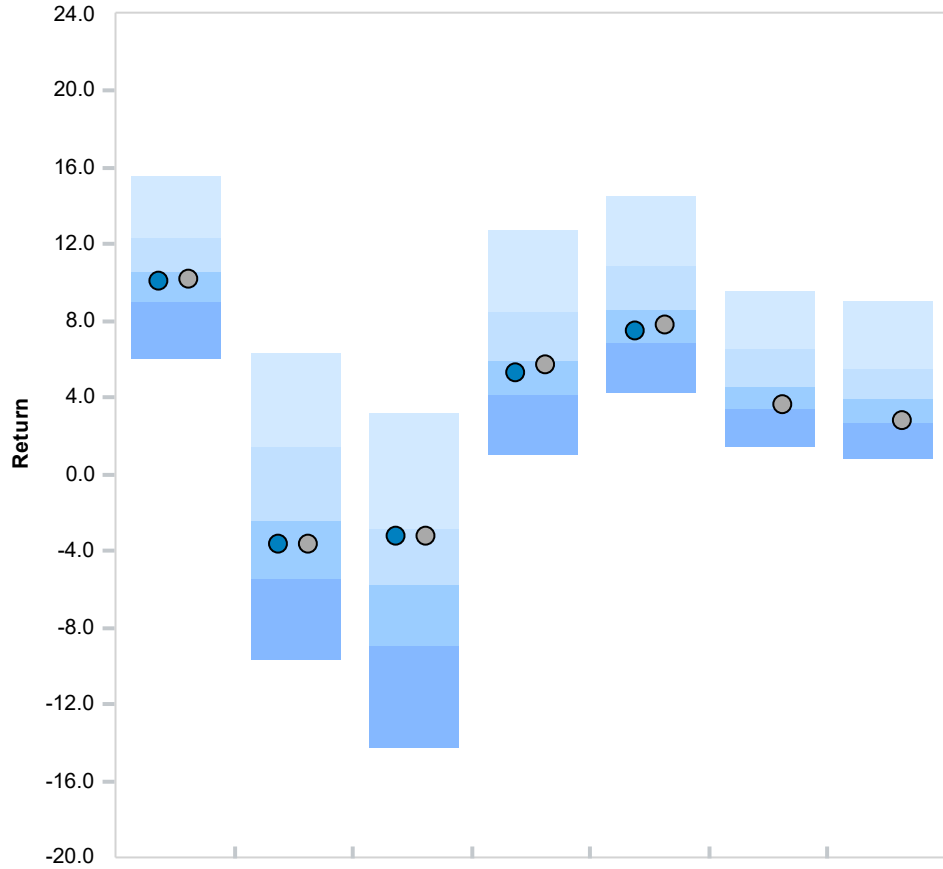
Benchmark: MSCI Emerging Markets Index



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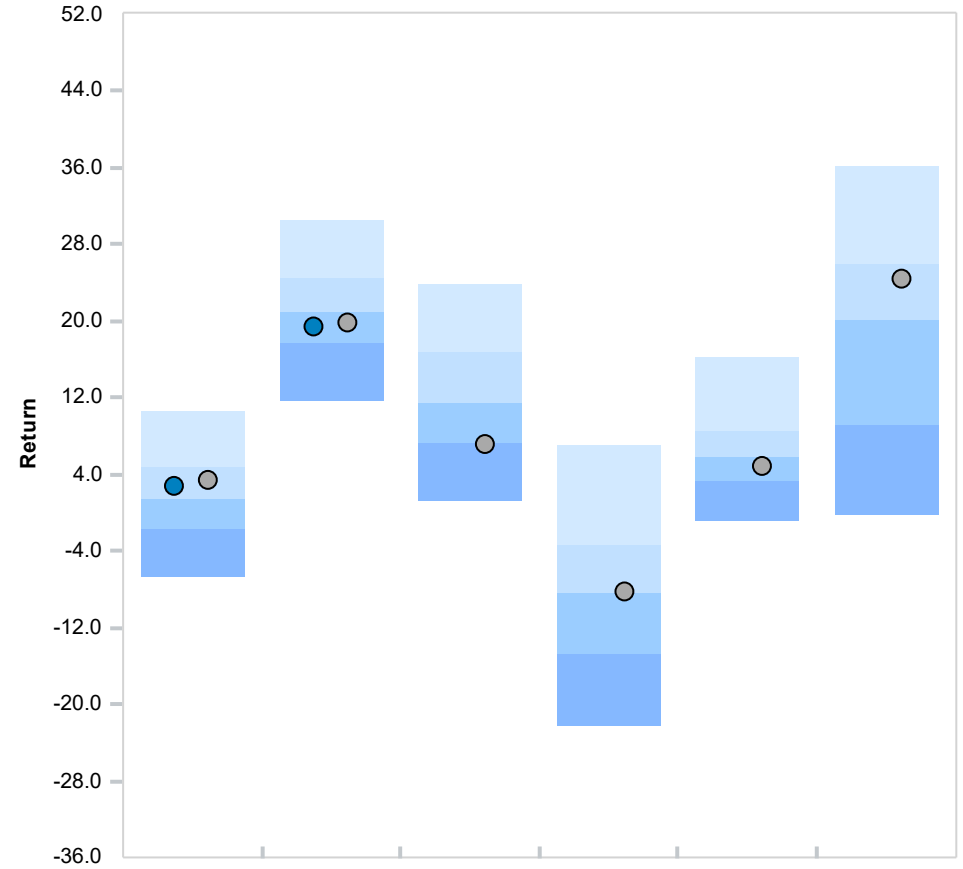


Peer Group Analysis - IM International Equity (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	10.09 (58)	-3.69 (62)	-3.27 (28)	5.31 (60)	7.47 (67)	N/A	N/A
● Index	10.13 (57)	-3.64 (61)	-3.22 (28)	5.65 (54)	7.80 (62)	3.65 (70)	2.81 (72)
Median	10.61	-2.38	-5.77	5.90	8.59	4.60	3.93

Peer Group Analysis - IM International Equity (SA+CF)



	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
● Investment	2.74 (38)	19.24 (64)	N/A	N/A	N/A	N/A
● Index	3.25 (34)	19.65 (61)	7.06 (76)	-8.27 (50)	4.70 (63)	24.29 (33)
Median	1.44	21.01	11.50	-8.31	5.82	20.27

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	-12.51 (55)	1.37 (27)	-0.93 (26)	-1.59 (81)	3.95 (77)	5.48 (67)
Index	-12.50 (55)	1.42 (25)	-0.97 (26)	-1.41 (77)	4.27 (70)	5.47 (67)
Median	-11.81	0.13	-2.64	-0.08	5.52	6.37



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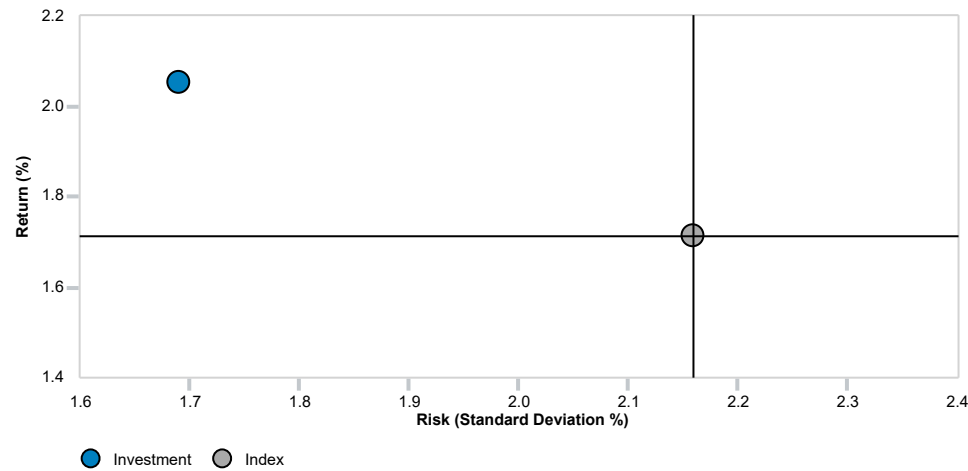
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.06	1.69	0.54	84.73	10	55.15	2
Index	1.71	2.16	0.26	100.00	9	100.00	3

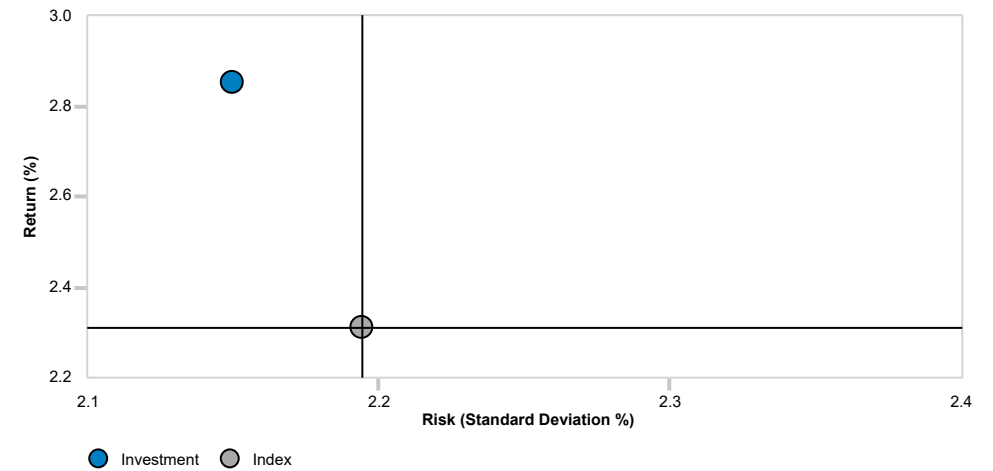
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.85	2.15	0.98	111.15	16	79.65	4
Index	2.31	2.19	0.73	100.00	15	100.00	5

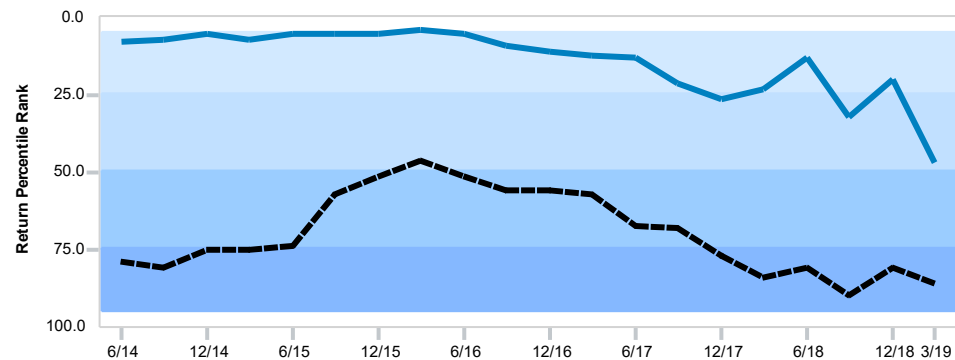
Risk and Return 3 Years



Risk and Return 5 Years

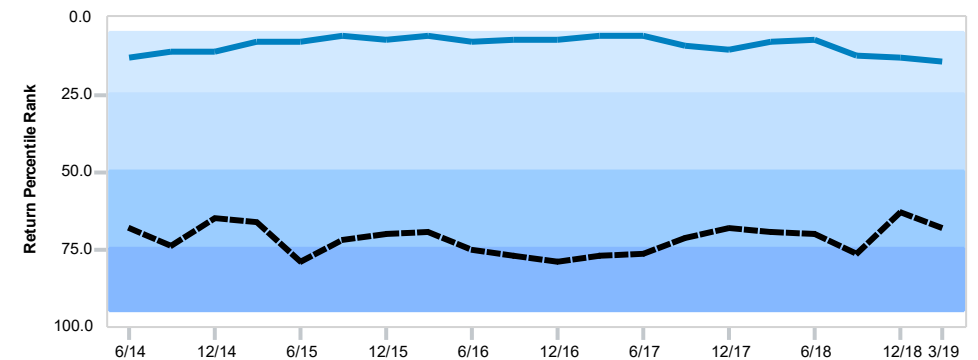


3 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	17 (85%)	3 (15%)	0 (0%)	0 (0%)
Index	20	0 (0%)	1 (5%)	11 (55%)	8 (40%)

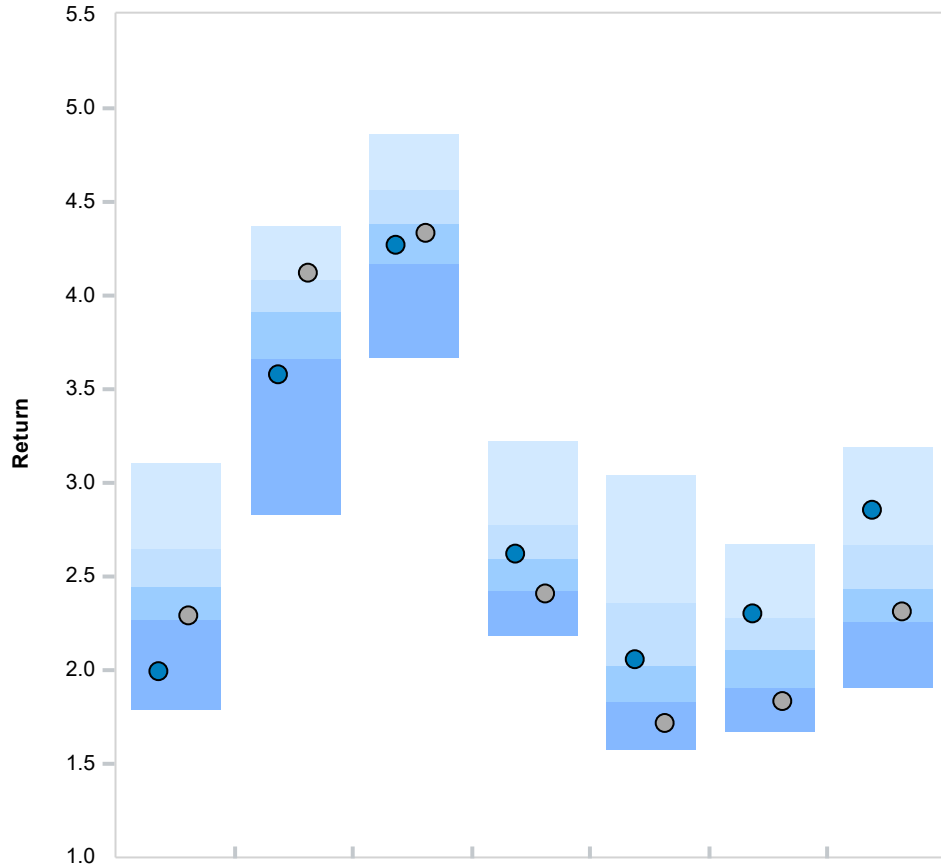
5 Year Rolling Percentile Rank IM U.S. Intermediate Duration (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	0 (0%)	0 (0%)	14 (70%)	6 (30%)

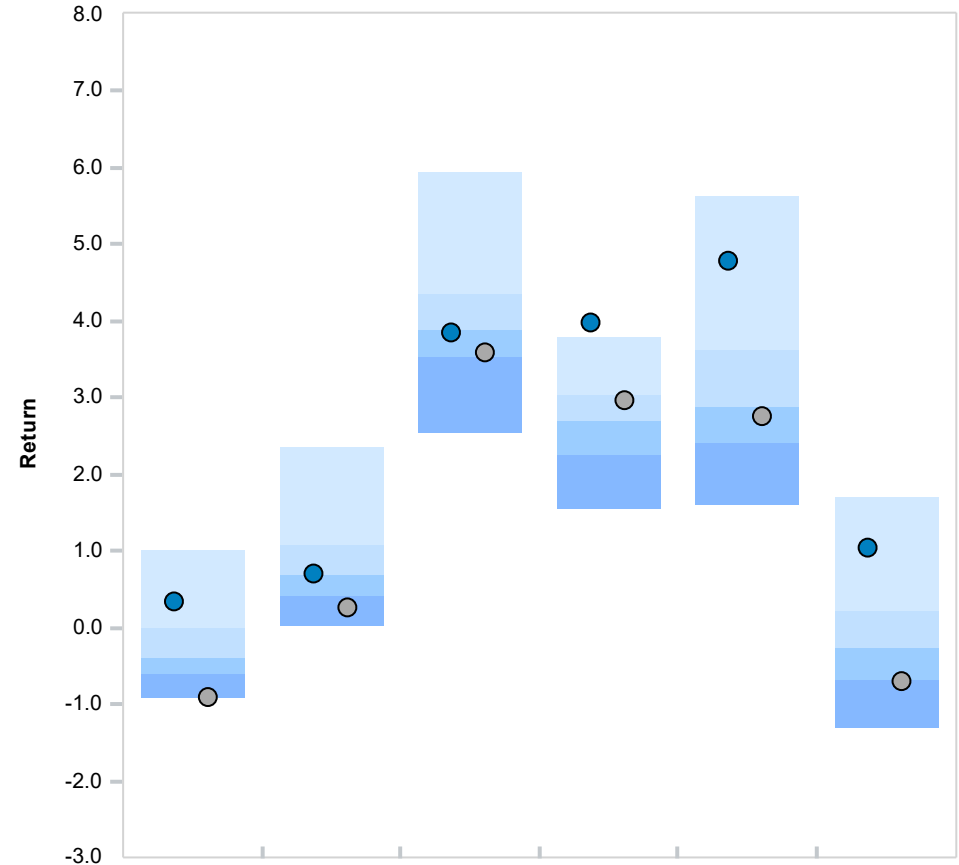


Peer Group Analysis - IM U.S. Intermediate Duration (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	1.99 (89)	3.57 (80)	4.26 (63)	2.62 (46)	2.06 (47)	2.30 (22)	2.85 (14)
● Index	2.28 (73)	4.12 (20)	4.33 (57)	2.40 (79)	1.71 (86)	1.83 (82)	2.31 (68)
Median	2.45	3.92	4.38	2.59	2.02	2.11	2.44

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



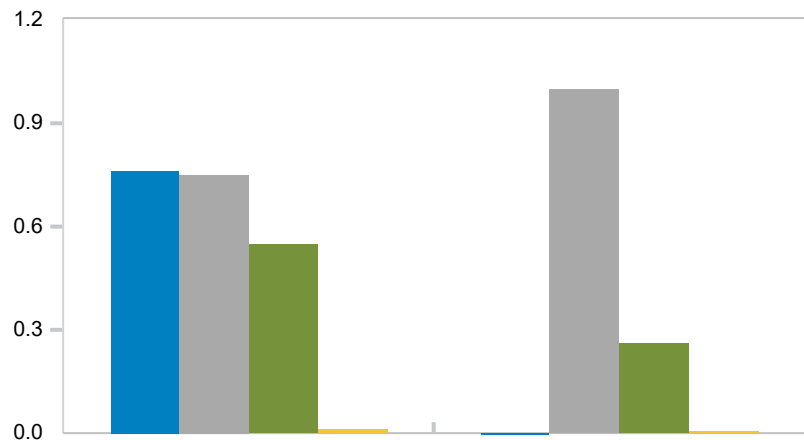
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	0.34 (15)	0.69 (50)	3.84 (59)	3.98 (5)	4.78 (10)	1.03 (8)
● Index	-0.93 (96)	0.25 (87)	3.57 (73)	2.95 (31)	2.74 (58)	-0.71 (77)
Median	-0.39	0.69	3.90	2.70	2.88	-0.27

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	1.55 (29)	0.12 (95)	0.54 (4)	-0.45 (15)	0.13 (28)	0.47 (96)
Index	1.80 (10)	0.11 (95)	0.09 (61)	-1.05 (82)	-0.07 (77)	0.72 (48)
Median	1.39	0.37	0.12	-0.90	0.01	0.72

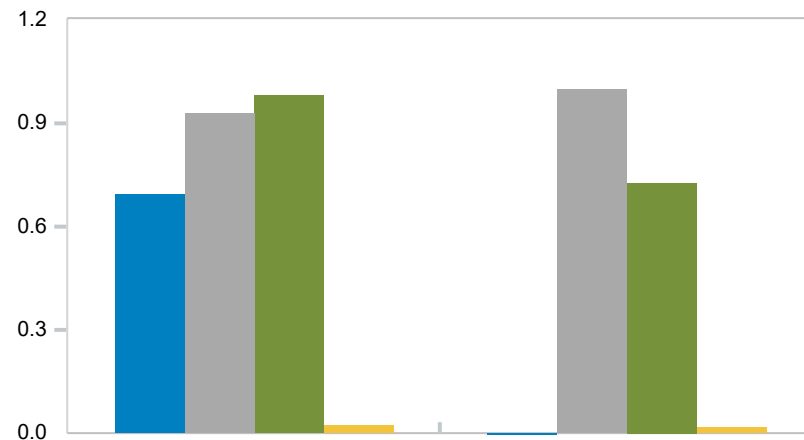


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



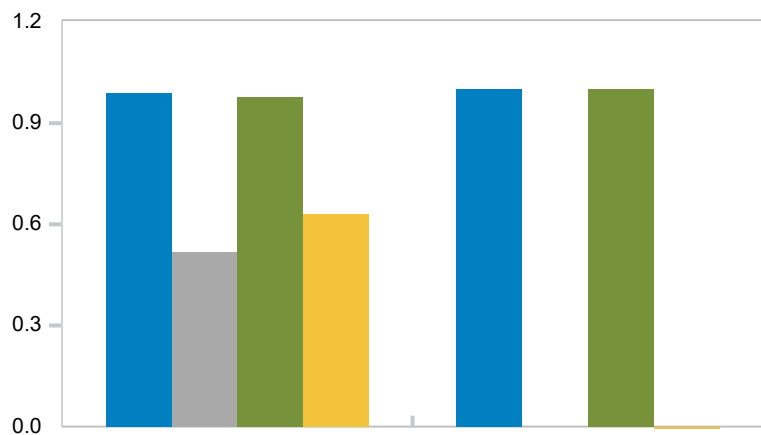
Alpha	0.76	0.00
Beta	0.75	1.00
Sharpe Ratio	0.55	0.26
Treynor Ratio	0.01	0.01

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



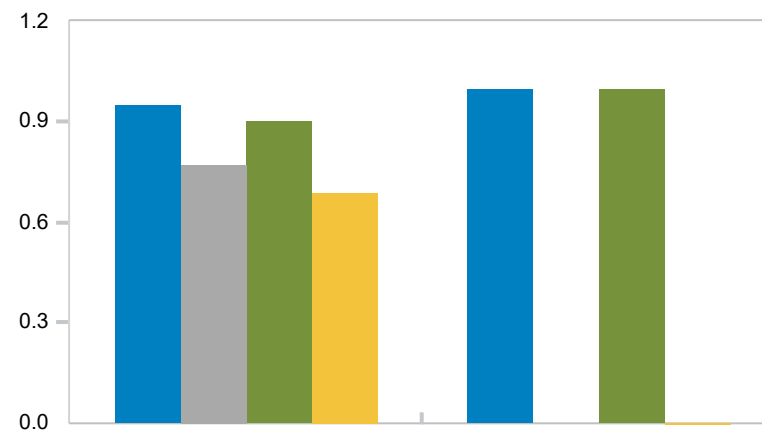
Alpha	0.69	0.00
Beta	0.93	1.00
Sharpe Ratio	0.98	0.73
Treynor Ratio	0.02	0.02

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



Actual Correlation	0.99	1.00
Information Ratio	0.52	N/A
R-Squared	0.97	1.00
Tracking Error	0.63	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



Actual Correlation	0.95	1.00
Information Ratio	0.77	N/A
R-Squared	0.90	1.00
Tracking Error	0.69	0.00

Benchmark: Garcia Hamilton Fixed Inc Index



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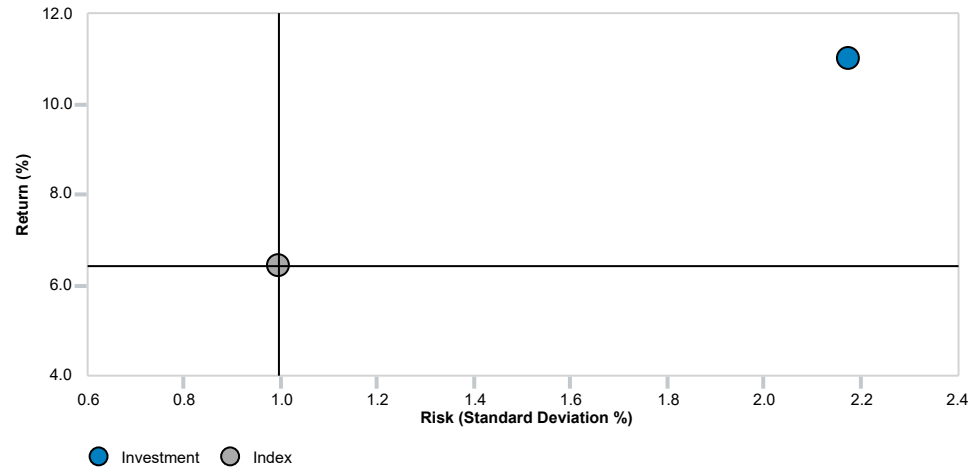
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.05	2.18	4.08	169.12	12	N/A	N/A
Index	6.44	0.99	4.07	100.00	12	N/A	N/A

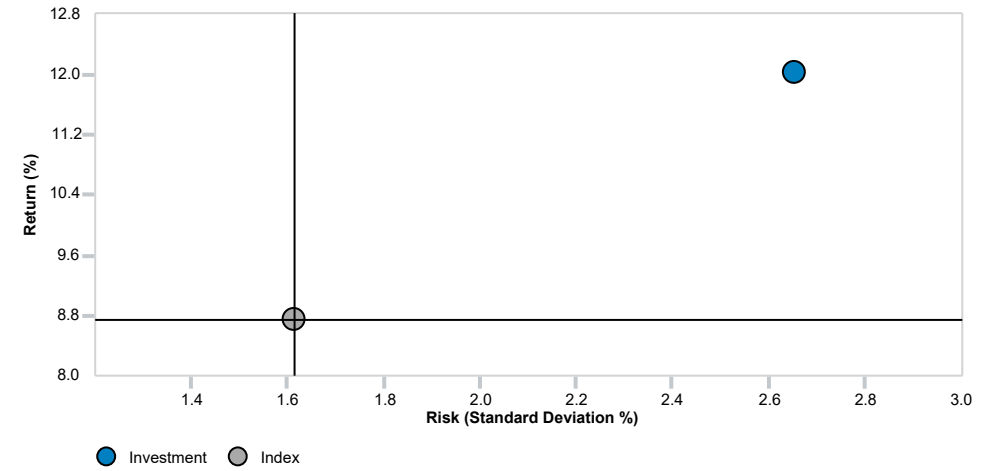
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.03	2.65	3.86	136.35	20	N/A	N/A
Index	8.74	1.61	3.99	100.00	20	N/A	N/A

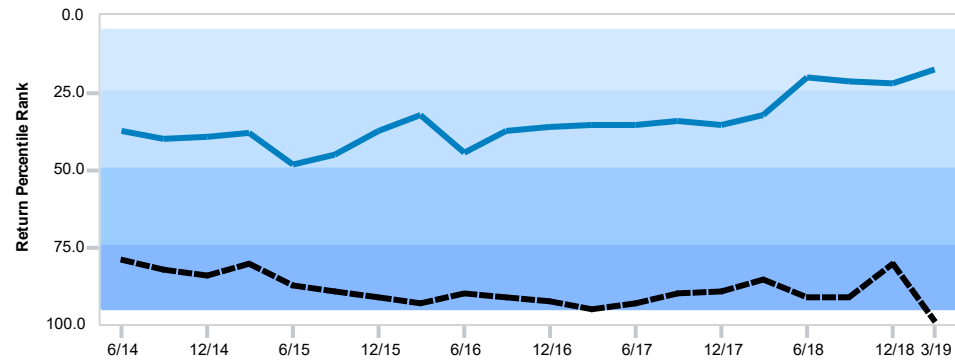
Risk and Return 3 Years



Risk and Return 5 Years

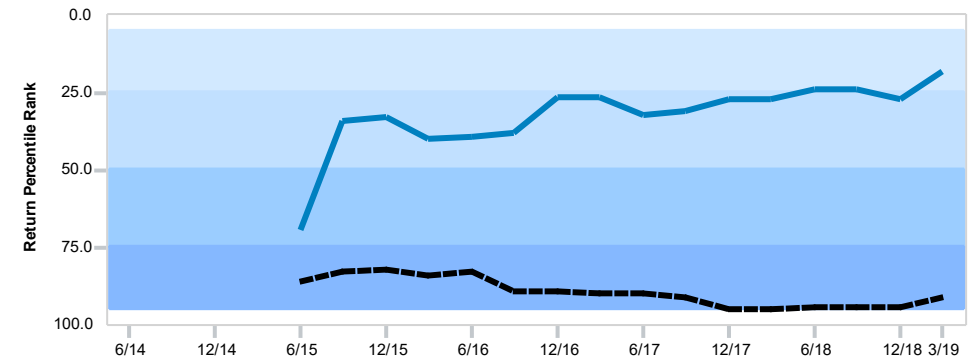


3 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	4 (20%)	16 (80%)	0 (0%)	0 (0%)
Index	20	0 (0%)	0 (0%)	0 (0%)	20 (100%)

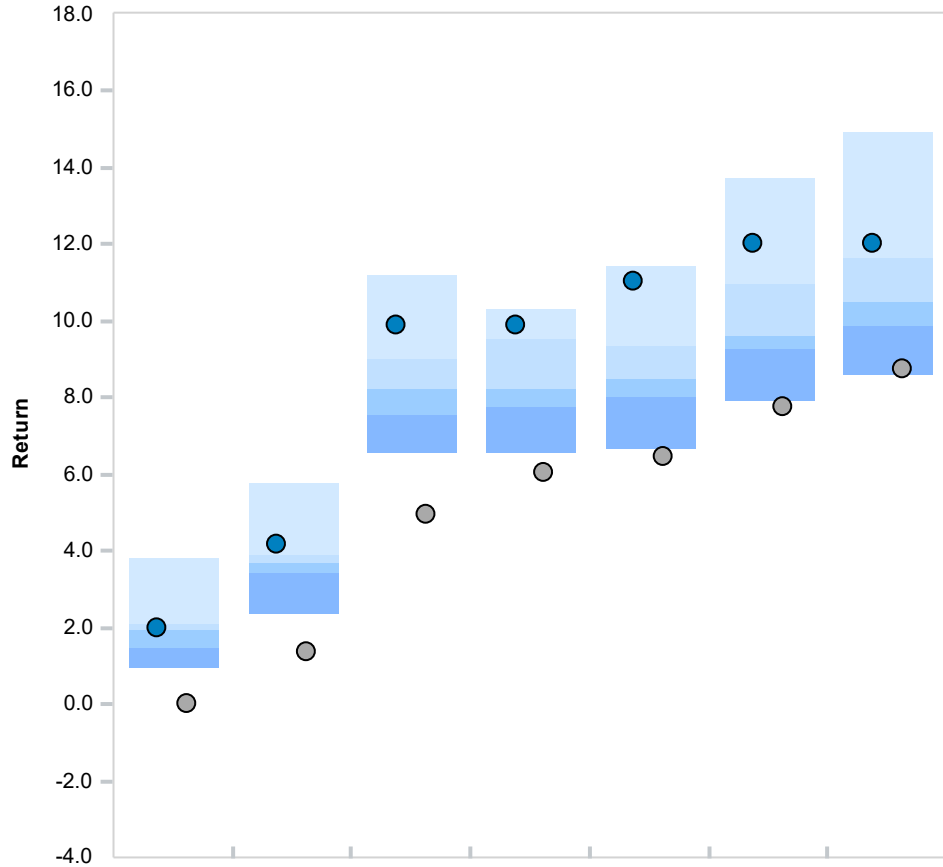
5 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	16	3 (19%)	12 (75%)	1 (6%)	0 (0%)
Index	16	0 (0%)	0 (0%)	0 (0%)	16 (100%)

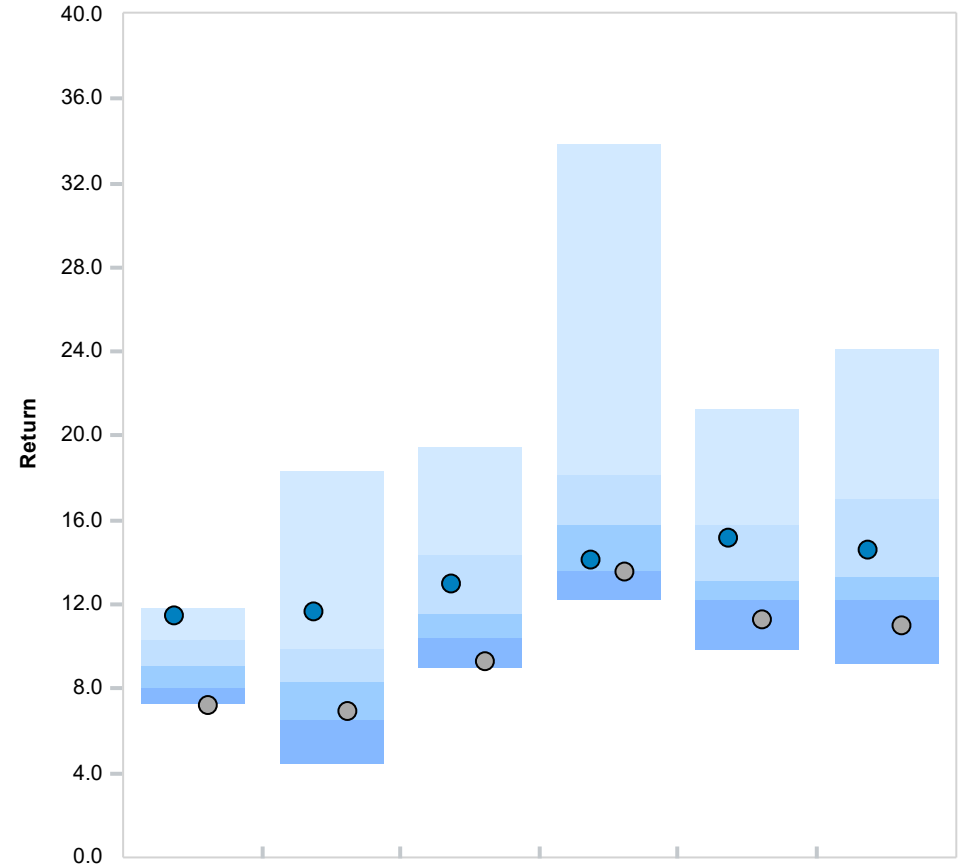


Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	1.98 (44)	4.16 (16)	9.87 (16)	9.87 (15)	11.05 (17)	12.02 (17)	12.03 (18)
● Index	0.00 (100)	1.37 (100)	4.93 (100)	6.02 (100)	6.44 (99)	7.76 (99)	8.74 (91)
Median	1.93	3.68	8.23	8.25	8.47	9.64	10.49

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



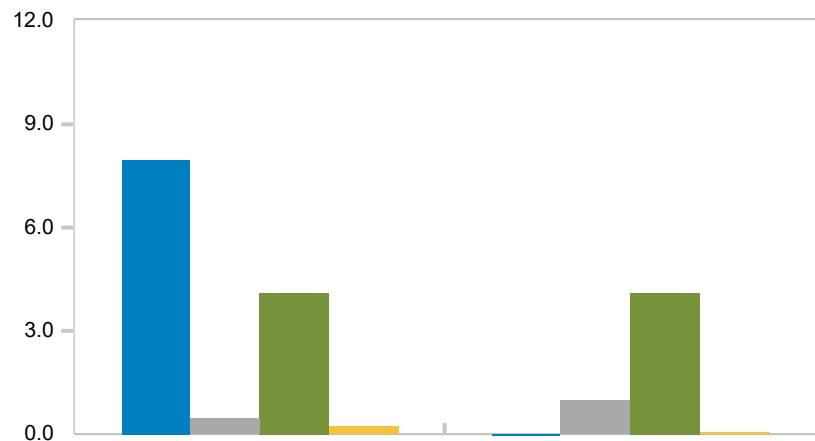
	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
● Investment	11.41 (8)	11.64 (15)	12.98 (34)	14.12 (72)	15.12 (32)	14.53 (43)
● Index	7.16 (97)	6.89 (73)	9.22 (94)	13.48 (78)	11.26 (91)	11.00 (81)
Median	9.04	8.30	11.57	15.79	13.12	13.35

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	2.14 (20)	2.52 (23)	2.89 (27)	2.79 (13)	2.75 (16)	2.55 (18)
Index	1.37 (78)	1.67 (81)	1.81 (87)	1.70 (85)	1.80 (76)	1.70 (59)
Median	1.76	2.10	2.22	2.22	2.23	1.75

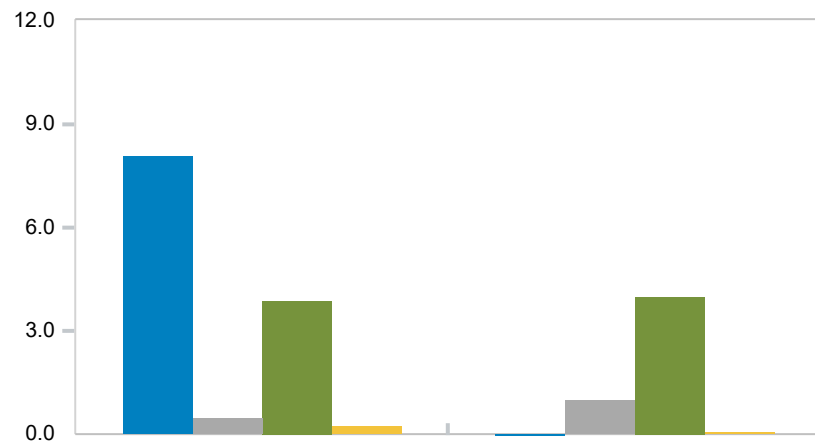


Risk / Reward Historical Statistics 3 Years Ending March 31, 2019



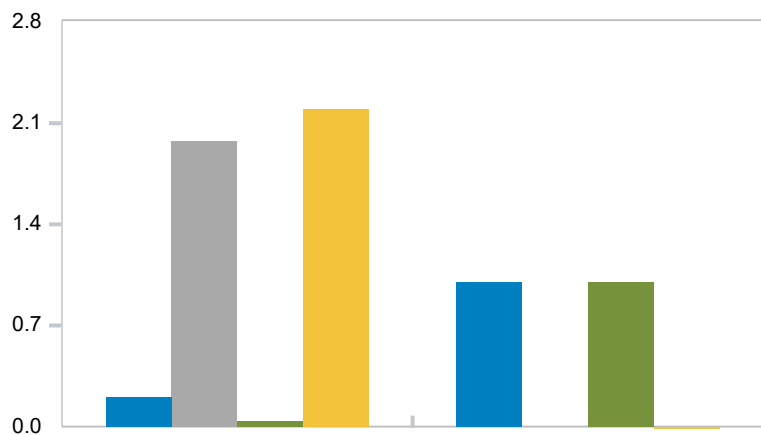
	Intercontinental	Real Estate Policy
Alpha	7.96	0.00
Beta	0.46	1.00
Sharpe Ratio	4.08	4.07
Treynor Ratio	0.20	0.05

Risk / Reward Historical Statistics 5 Years Ending March 31, 2019



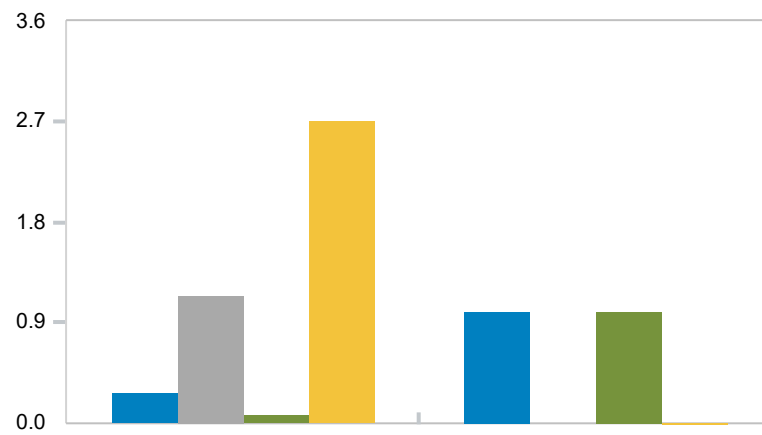
	Intercontinental	Real Estate Policy
Alpha	8.10	0.00
Beta	0.44	1.00
Sharpe Ratio	3.86	3.99
Treynor Ratio	0.25	0.08

Benchmark Relative Historical Statistics 3 Years Ending March 31, 2019



	Intercontinental	Real Estate Policy
Actual Correlation	0.21	1.00
Information Ratio	1.98	N/A
R-Squared	0.04	1.00
Tracking Error	2.19	0.00

Benchmark Relative Historical Statistics 5 Years Ending March 31, 2019



	Intercontinental	Real Estate Policy
Actual Correlation	0.27	1.00
Information Ratio	1.13	N/A
R-Squared	0.07	1.00
Tracking Error	2.72	0.00

Benchmark: Real Estate Policy



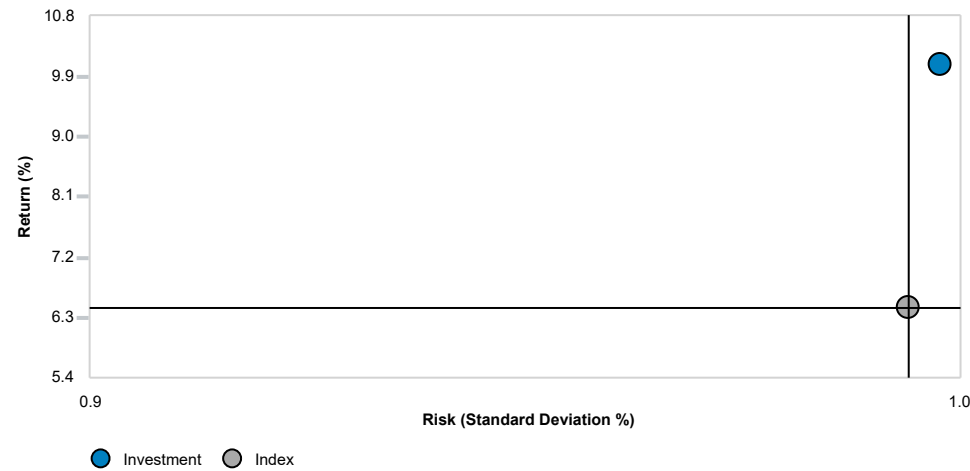
Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.09	1.00	8.39	154.78	12	N/A	N/A
Index	6.44	0.99	4.07	100.00	12	N/A	N/A

Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.74	1.61	3.99	100.00	20	N/A	N/A

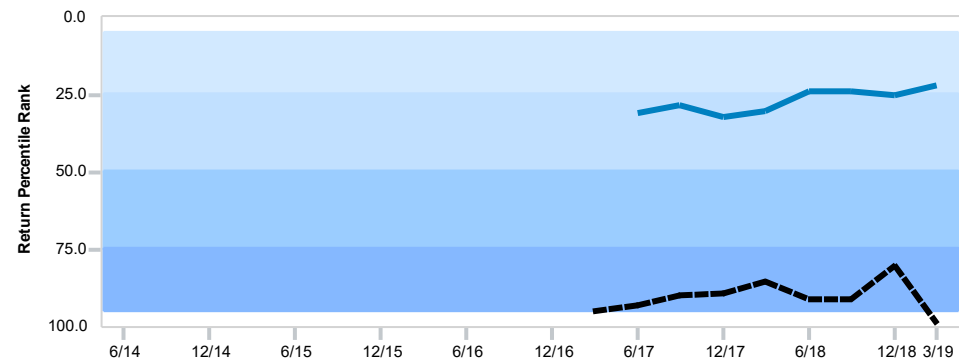
Risk and Return 3 Years



Risk and Return 5 Years

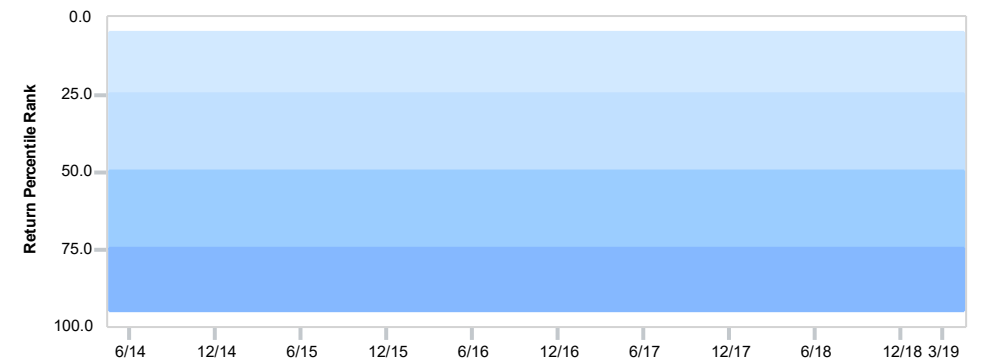


3 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	8	4 (50%)	4 (50%)	0 (0%)	0 (0%)
Index	9	0 (0%)	0 (0%)	0 (0%)	9 (100%)

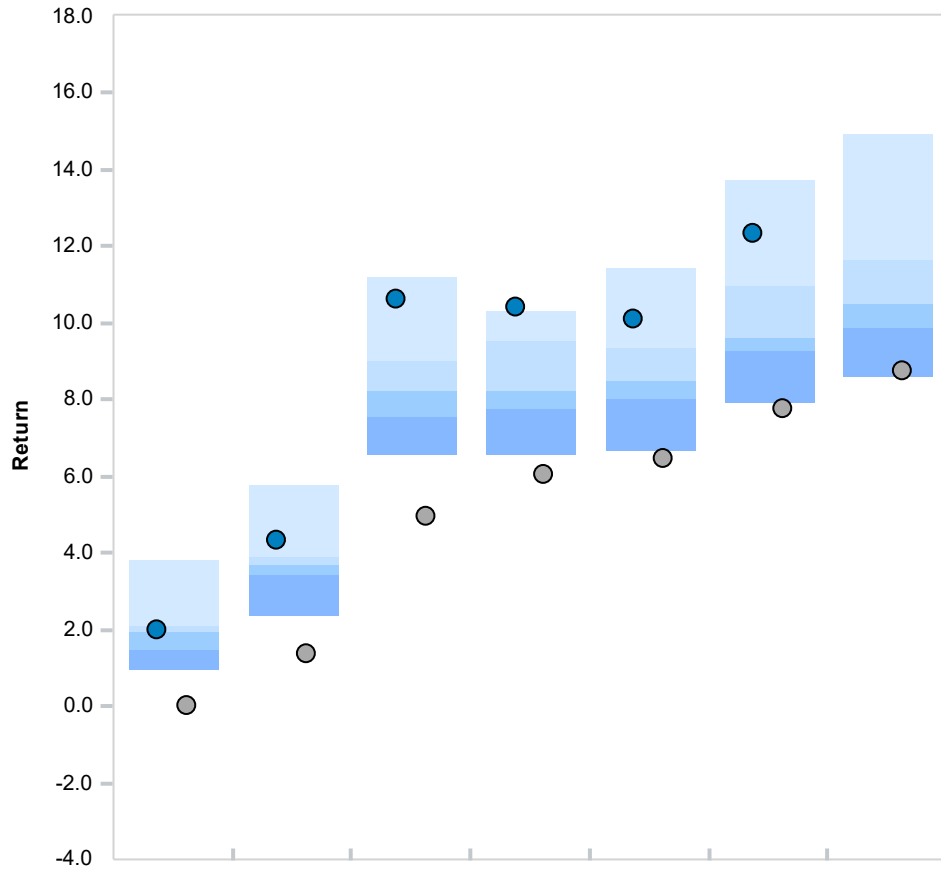
5 Year Rolling Percentile Rank IM U.S. Private Real Estate (SA+CF)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	0	0	0	0	0
Index	1	0 (0%)	0 (0%)	0 (0%)	1 (100%)

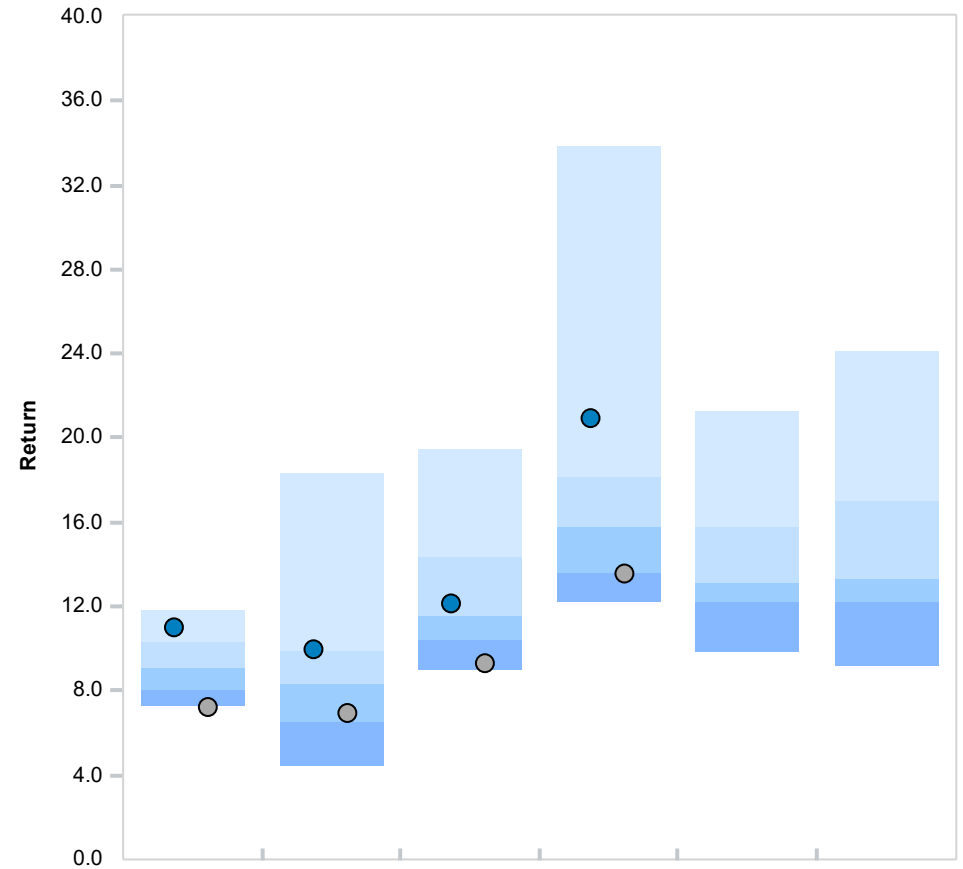


Peer Group Analysis - IM U.S. Private Real Estate (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Investment	1.99 (39)	4.33 (14)	10.63 (8)	10.40 (4)	10.09 (22)	12.32 (15)	N/A
● Index	0.00 (100)	1.37 (100)	4.93 (100)	6.02 (100)	6.44 (99)	7.76 (99)	8.74 (91)
Median	1.93	3.68	8.23	8.25	8.47	9.64	10.49

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



	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
● Investment	10.94 (19)	9.93 (25)	12.10 (41)	20.93 (17)	N/A	N/A
● Index	7.16 (97)	6.89 (73)	9.22 (94)	13.48 (78)	N/A	N/A
Median	9.04	8.30	11.57	15.79	13.12	13.35

Comparative Performance

	1 Qtr Ending Dec-2018	1 Qtr Ending Sep-2018	1 Qtr Ending Jun-2018	1 Qtr Ending Mar-2018	1 Qtr Ending Dec-2017	1 Qtr Ending Sep-2017
Investment	2.30 (9)	2.71 (16)	3.24 (24)	2.66 (19)	1.92 (70)	3.13 (9)
Index	1.37 (78)	1.67 (81)	1.81 (87)	1.70 (85)	1.80 (76)	1.70 (59)
Median	1.76	2.10	2.22	2.22	2.23	1.75



Total Fund Historical Hybrid Composition

Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-2007		Apr-2014	
BImbg. Barc. U.S. Aggregate Index	35.00	Bloomberg Barclays Intermed Aggregate Index	26.00
S&P 500 Index	29.00	S&P 500 Index	25.00
Russell Midcap Index	16.00	Russell Midcap Index	16.00
Russell 2000 Index	10.00	Russell 2000 Index	10.00
MSCI EAFE Index	10.00	MSCI EAFE Index	10.00
		NCREIF Property Index	10.00
		MSCI Emerging Markets Index	3.00
Jul-2010		Oct-2016	
BImbg. Barc. U.S. Aggregate Index	35.00	Bloomberg Barclays Intermed Aggregate Index	22.00
S&P 500 Index	26.00	S&P 500 Index	26.00
Russell Midcap Index	16.00	Russell Midcap Index	8.00
Russell 2000 Index	10.00	Russell 2000 Index	10.00
MSCI EAFE Index	10.00	MSCI EAFE Index	10.00
NCREIF Property Index	3.00	NCREIF Property Index	13.00
		MSCI Emerging Markets Index	3.00
		Russell 2500 Index	8.00
Apr-2011		Jan-2019	
Bloomberg Barclays Intermed Aggregate Index	35.00	Bloomberg Barclays Intermed Aggregate Index	22.00
S&P 500 Index	26.00	S&P 500 Index	19.00
Russell Midcap Index	16.00	Russell Midcap Index	10.00
Russell 2000 Index	10.00	Russell 2000 Index	10.00
MSCI EAFE Index	10.00	MSCI EAFE Index	10.00
NCREIF Property Index	3.00	NCREIF Property Index	14.00
		MSCI Emerging Markets Index	4.00
		Russell 2500 Index	10.00
		Invesco GI Lst Pr Eq (PSP)	1.00
Oct-2011			
Bloomberg Barclays Intermed Aggregate Index	30.00		
S&P 500 Index	29.00		
Russell Midcap Index	16.00		
Russell 2000 Index	10.00		
MSCI EAFE Index	10.00		
NCREIF Property Index	5.00		
Jan-2013			
Bloomberg Barclays Intermed Aggregate Index	30.00		
S&P 500 Index	26.00		
Russell Midcap Index	16.00		
Russell 2000 Index	10.00		
MSCI EAFE Index	10.00		
NCREIF Property Index	5.00		
MSCI Emerging Markets Index	3.00		



Total Equity Historical Hybrid Composition		Fixed Income Historical Hybrid Composition	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-2007		Oct-2007	
S&P 500 Index	44.60	Blmbg. Barc. U.S. Aggregate Index	100.00
Russell Midcap Index	24.60		
Russell 2000 Index	15.40	Apr-2011	
MSCI EAFE Index	15.40	Bloomberg Barclays Intermed Aggregate Index	100.00
Jul-2010			
S&P 500 Index	40.00		
Russell Midcap Index	24.60		
Russell 2000 Index	15.40		
MSCI EAFE Index	15.40		
NCREIF Property Index	4.60		
Oct-2011			
S&P 500 Index	45.00		
Russell Midcap Index	25.00		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
Jan-2013			
S&P 500 Index	40.00		
Russell Midcap Index	25.00		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
MSCI Emerging Markets Index	5.00		
Oct-2014			
S&P 500 Index	40.00		
Russell Midcap Index	12.50		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
MSCI Emerging Markets Index	5.00		
Russell 2500 Index	12.50		
Jan-2019			
S&P 500 Index	30.00		
Russell Midcap Index	16.00		
Russell 2000 Index	16.00		
MSCI EAFE Index	16.00		
MSCI Emerging Markets Index	6.00		
Russell 2500 Index	16.00		



	% of Portfolio	Market Value (\$)	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Fund Composite	100.00	375,231,300	1,396,582	0.37
Total Equity Composite	64.17	240,798,540	792,518	0.33
Total Domestic Equity	50.10	188,000,598	580,406	0.31
RhumbLine Equity S&P 500	10.69	40,130,494	16,052	0.04
RhumbLine R1000 Value	4.27	16,009,566	6,404	0.04
RhumbLine R1000 Growth	5.39	20,243,336	8,097	0.04
RhumbLine S&P Mid Cap 400	4.42	16,569,848	6,628	0.04
New Amsterdam Equity	4.98	18,684,063	84,736	0.45
Anchor Equity	5.02	18,828,178	94,141	0.50
SSGA Small-Mid Cap Equity (SSMKX)	3.75	14,078,661	11,263	0.08
Wellington	4.86	18,247,157	164,224	0.90
Eagle Equity	6.72	25,209,296	188,860	0.75
Total International Equity	14.07	52,797,942	212,112	0.40
RhumbLine International Equity	5.25	19,718,001	7,887	0.04
Vanguard Intl Equity (VTRIX)	5.26	19,732,089	90,768	0.46
Oppenheimer Int Equity	3.56	13,347,852	113,457	0.85
Total Fixed Income Composite	18.78	70,462,141	140,924	0.20
Garcia Hamilton Fixed Income	18.78	70,462,141	140,924	0.20
Total Real Estate Composite	14.81	55,554,455	390,247	0.70
J.P. Morgan	5.41	20,308,276	2,539	0.01
Intercontinental	9.39	35,246,179	387,708	1.10
Total Private Equity	2.00	7,515,165	72,893	0.97
JP Morgan Global P.E. VII	0.60	2,258,418	20,326	0.90
Aberdeen U.S. P.E. VII	1.40	5,256,747	52,567	1.00



Annual Asset Class Performance

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD
Best	MSCI Emerging Markets (Net) Index 34.0 %	MSCI Emerging Markets (Net) Index 32.2 %	MSCI Emerging Markets (Net) Index 39.4 %	Bloomberg Barclays U.S. Aggregate Index 5.2 %	MSCI Emerging Markets (Net) Index 78.5 %	Russell 2000 Growth Index 29.1 %	NCREIF Fund Index-ODCE (EW) (Net) 15.0 %	MSCI Emerging Markets (Net) Index 18.2 %	Russell 2000 Growth Index 43.3 %	S&P 500 Index 13.7 %	NCREIF Fund Index-ODCE (EW) (Net) 14.2 %	Russell 2000 Value Index 31.7 %	MSCI Emerging Markets (Net) Index 37.3 %	NCREIF Fund Index-ODCE (EW) (Net) 7.3 %	Russell 2000 Growth Index 17.1 %
	NCREIF Fund Index-ODCE (EW) (Net) 19.0 %	MSCI EAFE (Net) Index 26.3 %	NCREIF Fund Index-ODCE (EW) (Net) 15.0 %	Bloomberg Barclays Global Aggregate Ex USD 4.4 %	Bloomberg Barclays U.S. Corp High Yield 58.2 %	Russell 2000 Index 26.9 %	Bloomberg Barclays U.S. Aggregate Index 7.8 %	Russell 2000 Value Index 18.1 %	Russell 2000 Index 38.8 %	Russell 1000 Value Index 13.5 %	Russell 1000 Growth Index 5.7 %	Russell 2000 Index 21.3 %	Russell 1000 Growth Index 30.2 %	Bloomberg Barclays U.S. Aggregate Index 0.0 %	Russell 1000 Growth Index 16.1 %
	MSCI EAFE (Net) Index 13.5 %	Russell 2000 Value Index 23.5 %	Russell 1000 Growth Index 11.8 %	NCREIF Fund Index-ODCE (EW) (Net) -11.1 %	Russell 1000 Growth Index 37.2 %	Russell 2000 Value Index 24.5 %	Bloomberg Barclays U.S. Corp High Yield 5.0 %	Russell 1000 Value Index 17.5 %	Russell 2000 Value Index 34.5 %	Russell 1000 Growth Index 13.1 %	S&P 500 Index 1.4 %	Russell 1000 Value Index 17.3 %	MSCI EAFE (Net) Index 25.0 %	Russell 1000 Growth Index -1.5 %	Russell 2000 Index 14.6 %
	Russell 1000 Value Index 7.1 %	Russell 1000 Value Index 22.2 %	MSCI EAFE (Net) Index 11.2 %	Bloomberg Barclays U.S. Corp High Yield -26.2 %	Russell 2000 Growth Index 34.5 %	MSCI Emerging Markets (Net) Index 18.9 %	Bloomberg Barclays Global Aggregate Ex USD 4.4 %	MSCI EAFE (Net) Index 17.3 %	Russell 1000 Growth Index 33.5 %	NCREIF Fund Index-ODCE (EW) (Net) 11.4 %	Bloomberg Barclays U.S. Aggregate Index 0.5 %	Bloomberg Barclays U.S. Corp High Yield 17.1 %	Russell 2000 Growth Index 22.2 %	Bloomberg Barclays U.S. Corp High Yield -2.1 %	S&P 500 Index 13.6 %
	Russell 1000 Growth Index 5.3 %	Russell 2000 Index 18.4 %	Bloomberg Barclays Global Aggregate Ex USD 11.0 %	Russell 2000 Value Index -28.9 %	MSCI EAFE (Net) Index 31.8 %	Russell 1000 Growth Index 16.7 %	Russell 1000 Growth Index 2.6 %	Russell 2000 Index 16.3 %	Russell 1000 Value Index 32.5 %	Bloomberg Barclays U.S. Aggregate Index 6.0 %	MSCI EAFE (Net) Index -0.8 %	S&P 500 Index 12.0 %	S&P 500 Index 21.8 %	Bloomberg Barclays Global Aggregate Ex USD -2.1 %	Russell 1000 Value Index 11.9 %
	S&P 500 Index 4.9 %	S&P 500 Index 15.8 %	Russell 2000 Growth Index 7.0 %	Russell 2000 Index -33.8 %	Russell 2000 Index 27.2 %	Russell 1000 Value Index 15.5 %	S&P 500 Index 2.1 %	S&P 500 Index 16.0 %	S&P 500 Index 32.4 %	Russell 2000 Growth Index 5.6 %	Russell 2000 Growth Index -1.4 %	Russell 2000 Growth Index 11.3 %	Russell 2000 Index 14.6 %	S&P 500 Index -4.4 %	Russell 2000 Value Index 11.9 %
	Russell 2000 Value Index 4.7 %	NCREIF Fund Index-ODCE (EW) (Net) 15.1 %	Bloomberg Barclays U.S. Aggregate Index 7.0 %	Russell 1000 Value Index -36.8 %	S&P 500 Index 26.5 %	Bloomberg Barclays U.S. Corp High Yield 15.1 %	Russell 1000 Value Index 0.4 %	Bloomberg Barclays U.S. Corp High Yield 15.8 %	MSCI EAFE (Net) Index 22.8 %	Russell 2000 Index 4.9 %	Russell 1000 Value Index -3.8 %	MSCI Emerging Markets (Net) Index 11.2 %	Russell 1000 Value Index 13.7 %	Russell 1000 Value Index -8.3 %	MSCI EAFE (Net) Index 10.0 %
	Russell 2000 Index 4.6 %	Russell 2000 Growth Index 13.3 %	S&P 500 Index 5.5 %	S&P 500 Index -37.0 %	Russell 2000 Value Index 20.6 %	NCREIF Fund Index-ODCE (EW) (Net) 15.1 %	Russell 2000 Growth Index -2.9 %	Russell 1000 Growth Index 15.3 %	NCREIF Fund Index-ODCE (EW) (Net) 12.4 %	Russell 2000 Value Index 4.2 %	Russell 2000 Index -4.4 %	NCREIF Fund Index-ODCE (EW) (Net) 8.4 %	Bloomberg Barclays Global Aggregate Ex USD 10.5 %	Russell 2000 Growth Index -9.3 %	MSCI Emerging Markets (Net) Index 9.9 %
	Russell 2000 Growth Index 4.2 %	Bloomberg Barclays U.S. Corp High Yield 11.9 %	Bloomberg Barclays U.S. Corp High Yield 1.9 %	Russell 1000 Growth Index -38.4 %	Russell 1000 Value Index 19.7 %	S&P 500 Index 15.1 %	Russell 2000 Index -4.2 %	Russell 2000 Growth Index 14.6 %	Bloomberg Barclays U.S. Corp High Yield 7.4 %	Bloomberg Barclays U.S. Corp High Yield 2.5 %	Bloomberg Barclays U.S. Corp High Yield -4.5 %	Russell 1000 Growth Index 7.1 %	Russell 2000 Value Index 7.8 %	Russell 2000 Index -11.0 %	Bloomberg Barclays U.S. Corp High Yield 7.3 %
	Bloomberg Barclays U.S. Corp High Yield 2.7 %	Russell 1000 Growth Index 9.1 %	Russell 1000 Value Index -0.2 %	Russell 2000 Growth Index -38.5 %	Bloomberg Barclays Global Aggregate Ex USD 7.5 %	MSCI EAFE (Net) Index 7.8 %	Russell 2000 Value Index -5.5 %	NCREIF Fund Index-ODCE (EW) (Net) 9.9 %	Bloomberg Barclays U.S. Aggregate Index -2.0 %	MSCI Emerging Markets (Net) Index -2.2 %	Bloomberg Barclays Global Aggregate Ex USD -6.0 %	Bloomberg Barclays U.S. Aggregate Index 2.6 %	Bloomberg Barclays U.S. Corp High Yield 7.5 %	Russell 2000 Value Index -12.9 %	Bloomberg Barclays U.S. Aggregate Index 2.9 %
	Bloomberg Barclays U.S. Aggregate Index 2.4 %	Bloomberg Barclays Global Aggregate Ex USD 8.2 %	Russell 2000 Index -1.6 %	MSCI EAFE (Net) Index -43.4 %	Bloomberg Barclays U.S. Aggregate Index 5.9 %	Bloomberg Barclays U.S. Aggregate Index 6.5 %	MSCI EAFE (Net) Index -12.1 %	Bloomberg Barclays U.S. Aggregate Index 4.2 %	MSCI Emerging Markets (Net) Index -2.6 %	Bloomberg Barclays Global Aggregate Ex USD -3.1 %	Russell 2000 Value Index -7.5 %	Bloomberg Barclays Global Aggregate Ex USD 1.5 %	NCREIF Fund Index-ODCE (EW) (Net) 6.9 %	MSCI EAFE (Net) Index -13.8 %	Bloomberg Barclays Global Aggregate Ex USD 1.5 %
Worst	Bloomberg Barclays Global Aggregate Ex USD -8.7 %	Bloomberg Barclays U.S. Aggregate Index 4.3 %	Russell 2000 Value Index -9.8 %	MSCI Emerging Markets (Net) Index -53.3 %	NCREIF Fund Index-ODCE (EW) (Net) -31.3 %	Bloomberg Barclays Global Aggregate Ex USD 4.9 %	MSCI Emerging Markets (Net) Index -18.4 %	Bloomberg Barclays Global Aggregate Ex USD 4.1 %	Bloomberg Barclays Global Aggregate Ex USD -3.1 %	MSCI EAFE (Net) Index -4.9 %	MSCI Emerging Markets (Net) Index -14.9 %	MSCI EAFE (Net) Index 1.0 %	Bloomberg Barclays U.S. Aggregate Index 3.5 %	MSCI Emerging Markets (Net) Index -14.6 %	NCREIF Fund Index-ODCE (EW) (Net) 1.5 %

Source: Investment Metrics

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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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