

# **City of Fort Lauderdale OPEB**



Investment Performance Review For the Quarter Ended June 30, 2019

Investment Advisors		PFM Asset Management LLC
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**Executive Summary** 

Financial Markets Review

Plan Performance Review



The City of Ft. Lauderdale (the "City") portfolio returned 2.67% (net of mutual fund fees) in the 2<sup>nd</sup> quarter of 2019, underperforming its policy benchmark return of 3.79% by 1.12%. year-to-date, the portfolio returned 10.98%, underperforming its 13.12% benchmark return by 2.14%. In dollar terms, the portfolio gained \$719,689 in return on investment over the quarter and \$2,715,942 year-to-date.

The S&P 500 Index posted a return of 4.30% for the quarter, in a quarter marked by an intraquarter drawdown of 6.62%. The markets reacted negatively in May to concerns of slowing growth coupled with an increase in rhetoric around trade talks. The Fed's dovish stance has led market participants to expect three rate cuts this year, and progress on U.S.-China trade talks at the G-20 summit in Japan led to a strong return of 7.05% in June. Markets outside of the United States, as measured by the MSCI ACWI ex U.S. Index, lagged their domestic equity counterparts and returned 2.98% for the second quarter. Emerging markets (EM), as represented by MSCI Emerging Market Index, lagged behind developed markets for the quarter, returning 0.61%. Emerging Market EMEA (Europe, Middle East and Africa) led the way with a return of 7.15%, while EM Asia performed the worst, returning -1.25%.

The portfolio continues to be compliant with the City's investment policy, and is expected to help achieve the City's long-term goals and objectives.

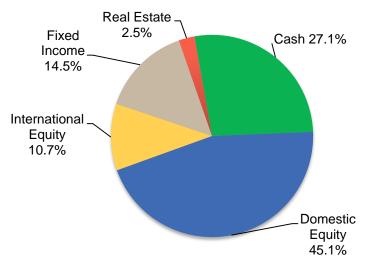


# **Executive Summary**

#### **Current Asset Allocation**

Asset Class	Market Value	Pct (%)
Cash	\$7,418,723	27.1%
Domestic Equity	12,339,932	45.1%
International Equity	2,919,925	10.7%
Fixed Income	3,970,355	14.5%
Real Estate	693,245	2.5%
Total	\$27,342,180	100.0%

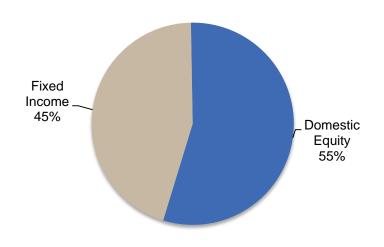
# **Current Asset Allocation**



#### **Target Asset Allocation**

Asset Class	Market Value	Pct (%)
Cash	\$0	0%
Domestic Equity	15,038,199	55%
International Equity	-	0%
Fixed Income	12,303,981	45%
Alternative Investments	-	0%
Total	\$27,342,180	100%

# **Target Asset Allocation**





Markets & Economy



## QUARTERLY MARKET SUMMARY

### **Market Index Performance**

As of June 30, 2019

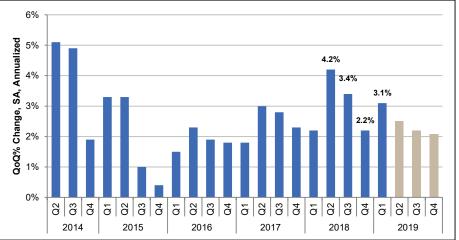
	QTD	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
DOMESTIC EQUITY							
S&P 500	4.30%	18.54%	10.42%	14.19%	10.71%	13.98%	14.70%
Russell 3000 Index	4.10%	18.71%	8.98%	14.02%	10.19%	13.79%	14.67%
Russell 1000 Value Index	3.84%	16.24%	8.46%	10.19%	7.46%	12.09%	13.19%
Russell 1000 Growth Index	4.64%	21.49%	11.56%	18.07%	13.39%	15.76%	16.28%
Russell Midcap Index	4.13%	21.35%	7.83%	12.16%	8.63%	13.37%	15.16%
Russell 2500 Index	2.96%	19.25%	1.77%	12.34%	7.66%	12.51%	14.44%
Russell 2000 Value Index	1.38%	13.47%	-6.24%	9.81%	5.39%	10.31%	12.40%
Russell 2000 Index	2.10%	16.98%	-3.31%	12.30%	7.06%	11.63%	13.45%
Russell 2000 Growth Index	2.75%	20.36%	-0.49%	14.69%	8.63%	12.87%	14.41%
INTERNATIONAL EQUITY							
MSCIEAFE (Net)	3.68%	14.03%	1.08%	9.11%	2.25%	7.31%	6.90%
MSCI AC World Index (Net)	3.61%	16.23%	5.74%	11.62%	6.16%	9.87%	10.15%
MSCI AC World ex USA (Net)	2.98%	13.60%	1.29%	9.39%	2.16%	6.36%	6.54%
MSCI AC World ex USA Small Cap (Net)	1.21%	11.60%	-5.94%	7.76%	2.77%	7.66%	8.48%
MSCI EM (Net)	0.61%	10.59%	1.21%	10.66%	2.49%	4.15%	5.81%
ALTERNATIVES							
FTSE NAREIT Equity REIT Index	1.24%	17.78%	11.21%	4.20%	7.92%	8.88%	15.46%
FTSE EPRA/NAREIT Developed Index	0.20%	15.09%	8.64%	5.45%	5.79%	8.16%	11.45%
Bloomberg Commodity Index Total Return	-1.19%	5.06%	-6.75%	-2.18%	-9.15%	-6.69%	-3.74%
FIXED INCOME							
Blmbg. Barc. U.S. Aggregate	3.08%	6.11%	7.87%	2.31%	2.95%	2.62%	3.90%
Blmbg. Barc. U.S. Government/Credit	3.53%	6.90%	8.52%	2.41%	3.11%	2.73%	4.09%
Blmbg. Barc. Intermed. U.S. Government/Credit	2.59%	4.97%	6.93%	1.99%	2.39%	2.15%	3.24%
Blmbg. Barc. U.S. Treasury: 1-3 Year	1.47%	2.47%	4.02%	1.29%	1.22%	1.02%	1.20%
Blmbg. Barc. U.S. Corp: High Yield	2.50%	9.94%	7.48%	7.52%	4.70%	6.35%	9.24%
Credit Suisse Leveraged Loan index	1.58%	5.42%	4.15%	5.43%	3.85%	4.71%	6.29%
ICE BofAML Global High Yield Constrained (USD)	2.87%	9.57%	7.52%	7.25%	3.91%	6.27%	9.03%
Blmbg. Barc. Global Aggregate Ex USD	3.42%	4.99%	4.10%	0.97%	-0.12%	0.71%	2.10%
JPM EMBI Global Diversified	4.08%	11.31%	12.45%	5.47%	5.30%	5.57%	7.79%
CASH EQUIVALENT							
90 Day U.S. Treasury Bill	0.64%	1.24%	2.31%	1.37%	0.85%	0.63%	0.47%

Source: Investment Metrics. Returns are expressed as percentages. Please refer to the last page of this document for important disclosures relating to this material.



#### THE ECONOMY

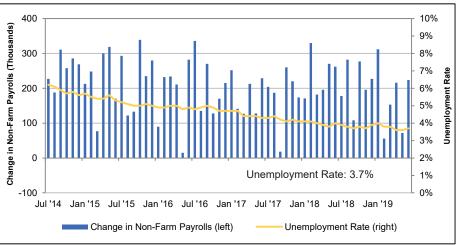
- In line with slowing growth expectations, U.S. Gross Domestic Product (GDP) for the second quarter of 2019 is projected to grow at an annual rate of 1.5% according to the Federal Reserve Bank of Atlanta GDPNow Forecast. This is down from 3.1% in the first guarter of 2019. The International Monetary Fund (IMF) also recently cut its global growth forecasts to 3.3% from 3.5% for 2019.
- While the June unemployment rate ticked up slightly to 3.7%, labor markets still continue to be strong. The U.S. labor market added an average of 170,000 jobs per month in the second quarter, down slightly from 180,000 a month in the first quarter of 2019. Average hourly earnings rose 3.1% in the quarter, nearly matching the 3.2% growth in the first quarter. The labor force participation rate edged up slightly from 62.8% in May to 62.9% in June.
- U.S. manufacturing activity slowed to near a three-year low in June according to the Institute for Supply Management (ISM). The ISM Manufacturing Index dropped to 51.7 from 52.1 in May, a third straight monthly decline largely attributed to uncertainty stemming from trade tensions between the U.S. and China. However, the reading surpassed expectations of 51 for the month of June. A reading of 50 or more indicates expansion in the manufacturing sector. Construction spending also fell unexpectedly as private construction projects declined.
- The core personal consumption expenditures (PCE) price index, the Federal Reserve's (Fed) preferred measure of inflation, rose 1.5% over the 12 months ended in May 2019. Inflation rates have consistently fallen below the Fed's target of 2% and Fed officials have warned that weaker inflation readings could persist, strengthening the case for more accommodative monetary policy.
- Globally, major central banks remain ready to ease monetary policy as risks to global growth, such as trade uncertainty and weakening manufacturing activity, continue to mount. Labor market strength continues in most major economies, with the global unemployment rate near a 40-year low, but manufacturing continues to deteriorate according to the latest purchasing managers' index (PMI) data. Leading economies including the Eurozone, the UK, China and Japan have seen PMIs fall below 50. Readings below 50 indicate a slow-down in manufacturing.



U.S. Real GDP Growth

Seasonally Adjusted (SA)

Source: Bloomberg. Blue bars indicate actual numbers; taupe bars indicate forecasted estimates.



#### **Change in Non-Farm Payrolls**

Source: Bloombera.



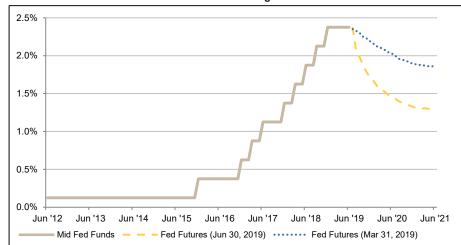
#### WHAT WE'RE WATCHING

- After the Federal Open Market Committee (FOMC) met in June, Federal Reserve Chairman, Jerome Powell, signaled that the Fed would consider cutting its target interest rate if economic data continued to fall short of expectations. The news sent market indices to all-time highs at the prospect of more accommodative monetary policy. A strong June jobs report posed a threat to easing monetary policy, and turned investors' attention to pending inflation data. However, Chairman Powell's testimony on Capitol Hill in early July again signaled that a rate cut later in the month is possible. The FOMC will meet again from July 30 - July 31.
- Trade tensions between the U.S. and China escalated once again in the second quarter of 2019 after the U.S. ceased negotiations and threatened tariffs on an additional \$300 billion of Chinese goods. Trade talks resumed after President Trump and President Xi met at the G-20 summit in June and called a truce. The two sides did not outline a path forward. The IMF lowered its 2019 growth forecast for China to 6.2% from 6.3% citing significant, but contained, impacts from trade tensions.
- International Monetary Fund Chief, Christine Lagarde, was nominated to lead the European Central Bank (ECB). She would be taking the reins from outgoing ECB president Mario Draghi. Markets are betting that they will see an easing of monetary policy under her leadership over the next eight years, as evidenced by a drop in benchmark yields across the Eurozone.
- Tensions in the Middle East intensified in June leading to oil prices spiking nearly 10%. Attacks on two tankers in the Gulf of Oman and a U.S. drone have led to uncertainty about global oil supply. During the month, the Organization of Petroleum Exporting Countries (OPEC) also agreed to extend production cuts until March 2020, providing another boost to oil prices.









Federal Funds Target Rate

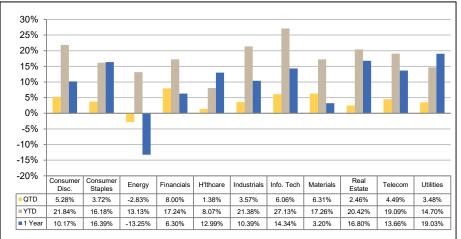


Source: Bloomberg.

### DOMESTIC EQUITY

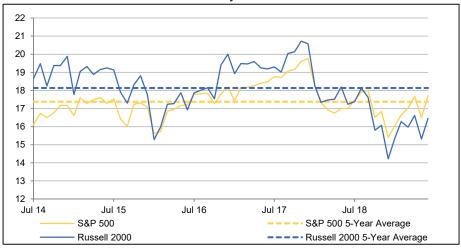
- The S&P 500 Index posted a return of 4.30% for the quarter, in a quarter marked by an intra-quarter drawdown of 6.62%. The markets reacted negatively in May to concerns of slowing growth coupled with an increase in rhetoric around trade talks. The Fed's dovish stance has led market participants to expect three rate cuts this year, and progress on U.S.-China trade talks at the G-20 summit in Japan led to a strong return of 7.05% in June.
- Within the S&P 500, Financials was the best performing sector, returning 8.00%, followed by Materials and Information Technology at 6.31% and 6.06%, respectively. Energy was the worst performing sector, returning -2.83%.
- Value stocks, as represented by the Russell 1000 Value Index, returned 3.84%, and underperformed growth stocks, as represented by the Russell 1000 Growth Index, which returned 4.64%. Growth outperformed value across all market capitalizations.
- Small-caps, as represented by the Russell 2000 Index, returned 2.10% during the quarter and lagged mid- and large-caps. Large-caps were the best performers for the quarter, returning 4.25%, as represented by Russell 1000 Index, followed by mid-caps which returned 4.13%, as represented by the Russell Mid-Cap Index.
- For the quarter, according to FactSet Earnings Insight (as of July 3, 2019), the expected second quarter earnings growth for the S&P 500 is -2.6%. This marks another quarter of expected decline in earnings growth following the -0.3% decline reported for the first quarter. Looking ahead, analysts expect another quarter of earnings decline in the third quarter followed by mid-single-digit earnings growth expectations in the fourth quarter.

#### S&P 500 Index Performance by Sector



Periods Ended June 30, 2019





#### P/E Ratios of Major Stock Indices\*

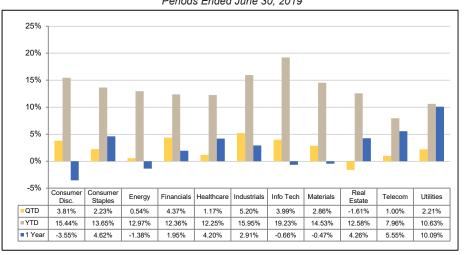
Source: Bloomberg.

\*P/E ratios are calculated based on one-year forward estimates and adjusted to include only positive earnings results for consistency.



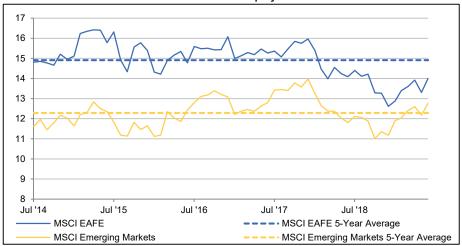
### NON-U.S. EQUITY

- Markets outside of the United States, as measured by the MSCI ACWI ex U.S. Index, lagged their domestic equity counterparts and returned 2.98% for the second quarter. The Industrials sector delivered the strongest results, up 5.20%, followed by Financials and Information Technology with returns of 4.37% and 3.99%, respectively. Real Estate was the worst performing sector in the quarter, with a return of -1.61%, followed by Energy at 0.54%.
- Emerging markets (EM), as represented by MSCI Emerging Market Index, lagged behind developed markets for the quarter, returning 0.61%. Emerging Market EMEA (Europe, Middle East and Africa) led the way with a return of 7.15%, while EM Asia performed the worst, returning -1.25%.
- The trade talks between the U.S. and China continued to weigh on the sentiment toward international equities during the quarter, which led to positive returns in April and June, with a negative return in May reflecting the souring market sentiment.
- The ECB reiterated a dovish stance on monetary policy, with stated intentions to restart the stimulus program, if necessary, to support the falling inflation outlook. The quagmire surrounding Brexit continued as the Conservative Party heads into voting to elect a new leader to replace Theresa May, who announced her resignation in May.



MSCI ACWI ex-U.S. Sectors Periods Ended June 30, 2019

Source: Bloomberg.



P/E Ratios of MSCI Equity Indices\*

Source: Bloomberg.

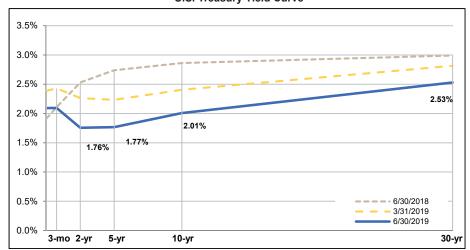
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### For the Quarter Ended June 30, 2019 Multi-Asset Class Management

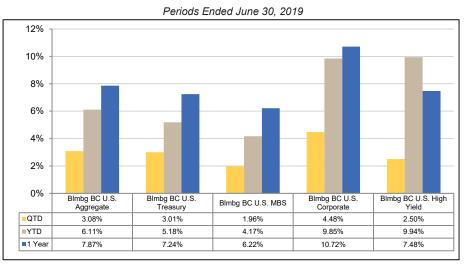
### FIXED INCOME

- The U.S. bond market, represented by the Bloomberg Barclays U.S. Aggregate (Aggregate) Index, rose 3.08% in the second quarter.
- Rates fell again during the quarter with the front end and 30-year both falling about 30 basis points (bps). Short and intermediate rates represented by the 2- and 10-year Treasury had the largest moves, decreasing 52 bps and 41 bps, respectively.
- Long-term Treasury yields also fell during the quarter, with the 30-year bond ending June at a yield of 2.53%. Rates generally fell on weaker economic data and a view of a more dovish Fed as the market implied multiple rate cuts before year-end.
- Investment-grade (IG) corporate spreads slightly tightened during the quarter. The Bloomberg Barclays U.S. Corporate Index rose sharply at 4.48%, bringing a year-to-date (YTD) return of just less than 10%. High yield bonds, as represented by the Bloomberg Barclays U.S. Corporate High Yield Index also performed well at 2.50% but lagged IG counterparts as CCC-rated dragged on returns.
- The fixed-rate mortgage market, as measured by the Bloomberg Barclays U.S. Mortgage-Backed Securities (MBS) Index, gained 1.96%, while the Bloomberg Barclays U.S. Agency CMBS Index (measuring commercial MBS) gained 3.14%.
- Global bond markets were generally positive during the quarter with much of the gains coming from emerging markets. Emerging market USD sovereign bonds, as represented by the JP Morgan EMBI index, rose 4.08%.



#### **U.S. Treasury Yield Curve**

Source: Bloomberg.



**Returns for Fixed-Income Segments** 

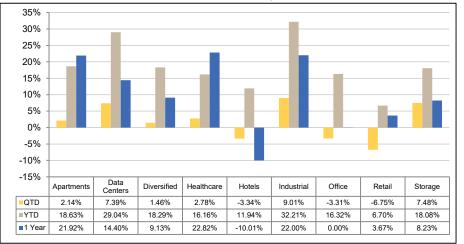
Source: Bloomberg. "Blmbg BC" is Bloomberg Barclays.



### ALTERNATIVES

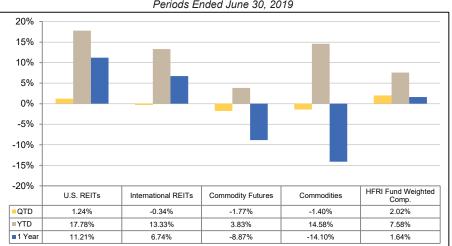
- REITs, as measured by the FTSE NAREIT Equity REITs Index, returned 1.24% in the second quarter, extending YTD gains after a strong return of 16.33% the previous quarter. Sector returns were mixed with six of the nine sectors posting gains. Industrial, Self-Storage, and Data Centers generated the strongest returns of 9.01%, 7.48%, and 7.39%, respectively. Office, Lodging/Resorts, and Retail returned -3.31%, -3.34%, and -6.75%, respectively.
- Private real estate, as measured by the NCREIF Property Index, generated a total return of 1.80% in the first quarter, up from the 1.37% return generated during the fourth quarter. Industrial properties continue to be the top performing sector with a return of 3.02% for the guarter. Retail rebounded during the guarter from -0.43% last guarter to a positive 1.74%.
- Hedge funds generated positive returns in the second quarter with the HFRI Fund Weighted Composite Index returning 2.02%. The HFRI Equity Hedge (Total) Index returned 1.72% during the second guarter, while the HFRI Macro (Total) Index returned 2.88% and the HFRI Fund of Funds Index returned 1.59%.
- In 2018, private capital funds raised \$757 billion, down from a record \$925 billion raised in 2017. In 2018, private capital dry powder, the capital available for fund managers to deploy, surpassed the \$2 trillion mark to reach \$2.19 trillion. Private equity dry powder, which accounts for the bulk of private capital dry powder, has reached \$1.20 trillion. As of September 2018, private equity funds generated an average 1-year internal rate of return (IRR) of 18.2% IRR and a 5-year IRR of 15.5%. Over those same time periods, private debt generated 7.9% and 7.7%, respectively.
- Commodity futures, represented by the Bloomberg Commodity Index Total Return, returned -1.19% in the second guarter, down from 5.70% in the first guarter. The U.S. Dollar Index (DXY) posted a 1.20% loss in the second guarter, following a gain of 1.15% in first guarter. Gold spot price ended the guarter at \$1,409 per ounce, up from \$1,292 per ounce at the end of the first guarter. West Texas Intermediate (WTI) Crude Oil spot price ended the guarter at \$58.20, down from \$60.14 at the end of the first quarter.

#### **FTSE NAREIT Sectors**



Periods Ended June 30, 2019

#### Source: Bloomberg.



#### **Returns for Alternative Assets**

Periods Ended June 30, 2019

Sources: Bloomberg and Hedge Fund Research, Inc.



**Total Fund** 



#### Asset Allocation & Performance

Value (s)     % Quarter     Date bate     10 bate     12-months     To bat       ctal Fund     27,342,180     100.00     2.67     10.98     5.39     2.47       lended Benchmark     379     13.12     9.00     4.91       omostic Equity     12,339,932     45.13     4.22     18.99     9.33     2.27       delity 500 Index Fund     5.070,1717     18.55     4.30     18.54     10.40     2.50       anguard 500 Index Fund     5.070,955     18.55     4.30     18.53     10.38     2.49       spel Midc-Cap Value Index Fund     686,420     2.51     3.87     18.21     3.53     0.41       spel Midcag Forwth Index     792,223     2.90     4.80     25.32     12.05     5.49       ussell Midcag Growth Index     718,618     2.63     2.87     19.51     2.26     -2.40       ussell Midcag Growth Index     12.291,925     10.68     2.17     12.75     -2.18     -2.14       delity Emerging Markets Index Fund     1.299,357     4.61     3.27     1		Allocat	ion		Perf	ormance(%)	
Index Benchmark     3.79     13.12     9.00     4.91       omestic Equity     12,339,932     45.13     4.22     18.99     9.33     227       anguard 500 Index Fund     5,070,955     18.55     4.30     18.54     10.42     2.50       Argourd Mid-Cap Value Index Fund     686,420     2.51     3.87     18.21     3.53     0.41       ussell Mid-Cap Value Index     3.19     18.02     3.68     0.37       anguard Mid-Cap Growth Index Fund     792,223     2.90     4.80     25.32     12.05     5.49       anguard Mid-Cap Growth Index     5.40     26.08     13.94     5.52     3.31     6.65       ussell Midcap Growth Index     2.10     16.98     -3.31     6.65     2.40       ussell 2000 Index     2.10     16.98     -3.31     6.65     2.17     12.75     -2.18     -2.14       anguard Mid-Cap Ersen Mid-		Value	%		То	•	Fiscal Year To Date
omestic Equity     12,339,932     45,13     4.22     18,99     9,33     2.27       delity 500 Index Fund     5,071,717     18,55     4,30     18,54     10,40     2.50       anguard 500 Index Fund     5,070,955     18,55     4,30     18,54     10,42     2.51       anguard Kol-Cap Value Index Fund     686,420     2.51     3.67     18,21     3.53     0.41       usself Midcap Value Index     3.19     18.02     3.68     0.37     anguard 500 Index     3.68     0.37       anguard Mid-Cap Growth Index Fund     792,223     2.90     4.80     25.32     12.05     5.49       anguard Son Index Fund     718,618     2.63     2.87     19.51     2.26     -2.40       usself 2000 Index     2.10     16.98     -3.31     -6.65     1.25     4.61     3.27     12.75     -2.18     -2.14       anguard Son Index Fund     1.259,957     4.61     3.27     13.76     -0.02     -1.10       sternational Equity     2.919,925     10.68     2.17     12.75 <th>Total Fund</th> <th>27,342,180</th> <th>100.00</th> <th>2.67</th> <th>10.98</th> <th>5.39</th> <th>2.47</th>	Total Fund	27,342,180	100.00	2.67	10.98	5.39	2.47
delity 500 Index Fund     5,071,717     18.55     4.30     18.54     10.40     2.50       anguard 500 Index Fund     5,070,955     18.55     4.30     18.53     10.38     2.49       By 500     4.30     18.53     10.42     2.51     3.87     18.21     3.53     0.41       ussell Midcap Value Index Fund     686,420     2.51     3.87     18.21     3.53     0.41       ussell Midcap Growth Index     792,223     2.90     4.80     25.32     12.05     5.49       ussell Midcap Growth Index     718,618     2.63     2.87     19.51     2.26     -2.40       ussell 2000 Index     2.10     16.98     -3.31     -6.65     1.26     -2.40       ussell 2000 Index     2.919,925     10.68     2.17     12.75     -2.18     -2.14       ussell 2001 Index     1.259,357     4.61     3.27     13.76     -0.02     -1.107       SIC LAF, Enet)     1.48,000     4.20     1.57     12.59     -5.80     -5.51       SIC LAF, Enet) <td< td=""><td>Blended Benchmark</td><td></td><td></td><td>3.79</td><td>13.12</td><td>9.00</td><td>4.91</td></td<>	Blended Benchmark			3.79	13.12	9.00	4.91
anguard 500 Index Fund   5,070,955   18.55   4.30   18.53   10.38   2.49     AP 500   4.30   18.54   10.42   2.51     anguard Mid-Cap Value Index Fund   686,420   2.51   3.87   18.21   3.53   0.41     ussell Mid-Cap Value Index   3.19   18.02   3.68   0.37     anguard Mid-Cap Growth Index Fund   792,223   2.90   4.80   25.32   12.05   5.49     ussell Midcap Growth Index Fund   718,618   2.63   2.87   19.51   2.26   -2.40     ussell 2000 Index   2.10   16.98   -3.31   -6.65     ternational Equity   2.919,925   10.68   2.17   12.75   -2.18   -2.14     anguard Devole Markets Index Fund   1.259,357   4.61   3.27   13.76   -0.02   -1.10     ISCI EAFE Inet)   3.68   14.03   1.08   -0.27   -1.11   15.55   -5.80   -5.11     ISCI EAFE Small Cap Inet F   1,148,000   4.20   1.57   12.59   -5.80   -5.11     ISCI EAFE Small Cap Ict I   1.48,000   4.82 <td>Domestic Equity</td> <td>12,339,932</td> <td>45.13</td> <td>4.22</td> <td>18.99</td> <td>9.33</td> <td>2.27</td>	Domestic Equity	12,339,932	45.13	4.22	18.99	9.33	2.27
&P 500   4.30   18.54   10.42   2.51     anguard Mid-Cap Value Index   3.87   18.21   3.53   0.41     ussell Midcap Value Index   792,223   2.90   4.80   25.32   12.05   5.49     anguard Mid-Cap Growth Index   792,223   2.90   4.80   25.32   12.05   5.49     anguard Mid-Cap Growth Index   718,618   2.63   2.87   19.51   2.26   -2.40     ussell Midcap Cowth Index   2.10   16.98   -3.31   -6.65   -6.65   -1.10   -6.65   -2.10   16.98   -3.31   -6.65   -0.22   -1.10   -1.10   -2.10   16.98   -3.31   -6.65   -0.22   -1.10   -0.26   -1.10   -1.14   -0.27   -1.18   -0.21   -1.10   -0.27   -1.10   -0.25   -5.50   -5.51   -5.52   -5.52   -5.52   -5.52   -5.52   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55   -5.55	Fidelity 500 Index Fund	5,071,717	18.55	4.30	18.54	10.40	2.50
anguard Mid-Cap Value Index Fund   686,420   2.51   3.87   18.21   3.53   0.41     ussell Midcap Growth Index Fund   792,223   2.90   4.80   25.32   12.05   5.49     anguard Mid-Cap Growth Index Fund   792,223   2.90   4.80   25.32   12.05   5.49     anguard Small Cap Index Fund   718,618   2.63   2.87   19.51   2.26   -2.40     ussell Midcap Growth Index   2.10   16.98   -3.31   -6.65   -6.40     ussell 2000 Index   2.10   16.98   -3.31   -6.65   -6.40     ussell Sideap Growth Index Fund   1,259,357   4.61   3.27   13.76   -0.02   -1.10     SCI EAFE (ret)   3.68   14.03   1.08   -0.27   -1.10     SCI EAFE Small-Cap ETF   1,148,000   4.20   1.57   12.59   -5.80   -5.11     SCI EAFE Small Cap (ret)	/anguard 500 Index Fund	5,070,955	18.55	4.30	18.53	10.38	2.49
ussell Midcap Value Index   3.19   18.02   3.68   0.37     anguard Mid-Cap Growth Index Fund   792,223   2.90   4.80   25.32   12.05   5.49     ussell Midcap Growth Index   5.40   26.08   13.94   5.92     anguard Small Cap Index Fund   718,618   2.63   2.87   19.51   2.26   2.40     ussell 2000 Index   2.10   16.98   -3.31   -6.65     ternational Equity   2.919,925   10.68   2.17   12.75   2.18   2.14     anguard Developed Markets Index Fund   1,259,357   4.61   3.27   13.76   -0.02   -1.10     SCI EAFE (net)	S&P 500			4.30	18.54	10.42	2.51
anguard Mid-Cap Growth Index Fund     792,223     2.90     4.80     25.32     12.05     5.49       ussell Midcap Growth Index     5.40     26.08     13.94     5.92       anguard Small Cap Index Fund     718,618     2.63     2.87     19.51     2.26     -2.40       ussell 2000 Index     2.10     16.98     -3.31     -6.65     -6.65     -2.18     -2.14       anguard Developed Markets Index Fund     1,259,357     4.61     3.27     13.76     -0.02     -1.10       SCI EAFE (net)     -     3.68     14.03     1.08     -0.27       harres MSCI EAFE Small-Cap ETF     1,148,000     4.20     1.57     12.59     -5.80     -5.12       SCI EAFE Small Cap (net)     -     1.71     12.55     -6.35     -5.52 <td>/anguard Mid-Cap Value Index Fund</td> <td>686,420</td> <td>2.51</td> <td>3.87</td> <td>18.21</td> <td>3.53</td> <td>0.41</td>	/anguard Mid-Cap Value Index Fund	686,420	2.51	3.87	18.21	3.53	0.41
ussell Midcap Growth Index   5.40   26.08   13.94   5.92     anguard Small Cap Index Fund   718,618   2.63   2.87   19.51   2.26   -2.40     ussell 2000 Index   2.10   16.98   -3.31   -6.65     ternational Equity   2.919,925   10.68   2.17   12.75   -2.18   -2.14     anguard Developed Markets Index Fund   1,259,357   4.61   3.27   13.76   -0.02   -1.10     SCI EAFE (net)   3.68   14.03   1.08   -0.27     hares MSCI EAFE Small-Cap ETF   1,148,000   4.20   1.57   12.55   -6.35   -5.52     SCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52   -5.60   -5.11     SCI EAFE Small Cap (net)   0.61   10.59   1.21   2.33     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   3.970,355   14.52   2.41   4.96   6.72   6.00     S. Government Securities   2.124,921   7.77   2.75   4.51   6.73	Russell Midcap Value Index			3.19	18.02	3.68	0.37
anguard Small Cap Index Fund   718,618   2.63   2.87   19.51   2.26   -2.40     ussell 2000 Index   2.10   16.98   -3.31   -6.65     ternational Equity   2.919,925   10.68   2.17   12.75   -2.18   -2.14     anguard Developed Markets Index Fund   1,259,357   4.61   3.27   13.76   -0.02   -1.10     SCI EAFE (net)   3.68   14.03   1.08   -0.27   -5.80   -5.51     SCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52   -6.35   -5.52     delity Emerging Markets Index Fund   512,568   1.87   0.86   10.69   1.41   2.57     SCI EMF (net)   0.61   10.59   1.21   2.33     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     xed Income   3.970,355   14.52   2.41   4.96	/anguard Mid-Cap Growth Index Fund	792,223	2.90	4.80	25.32	12.05	5.49
ussell 2000 Index     2.10     16.98     -3.31     -6.65       ternational Equity     2.919,925     10.68     2.17     12.75     -2.18     -2.14       anguard Developed Markets Index Fund     1,259,357     4.61     3.27     13.76     -0.02     -1.10       SCI EAFE (net)     3.68     14.03     1.08     -0.27       hares MSCI EAFE Small-Cap ETF     1,148,000     4.20     1.57     12.59     -5.80     -5.11       SCI EAFE Small Cap (net)     1.71     12.55     -6.35     -5.52     -5.63     -5.52       delity Emerging Markets Index Fund     512,568     1.87     0.86     10.69     1.41     2.57       sci Ex (net)     0.61     10.59     1.21     2.33     -6.65     -5.52       deal Estate     693,245     2.54     1.73     19.31     12.21     11.63       anguard Real Estate Index Fund     693,245     2.54     1.73     19.31     12.21     11.63       Sc Government Securities     2,124,921     7.77     2.75     4.51     6.72 <td>Russell Midcap Growth Index</td> <td></td> <td></td> <td>5.40</td> <td>26.08</td> <td>13.94</td> <td>5.92</td>	Russell Midcap Growth Index			5.40	26.08	13.94	5.92
ternational Equity     2,919,925     10.68     2.17     12.75     -2.18     -2.14       anguard Developed Markets Index Fund     1,259,357     4.61     3.27     13.76     -0.02     -1.10       ISCI EAFE (net)     3.68     14.03     1.08     -0.27       ishares MSCI EAFE Small-Cap ETF     1,148,000     4.20     1.57     12.59     -5.80     -5.11       ISCI EAFE Small Cap (net)     1.71     12.55     -6.35     -5.52     -5.23     -5.50       delity Emerging Markets Index Fund     512,568     1.87     0.86     10.69     1.41     2.57       ISCI EM (net)     0.61     10.59     1.21     2.33     eal Estate     693,245     2.54     1.73     19.31     12.21     11.63       anguard Real Estate Index Fund     693,245     2.54     1.73     19.31     12.21     11.63       iscd Income     3,970,355     14.52     2.41     4.96     6.72     6.00       ixed Income     3,970,355     14.52     2.41     4.96     6.73     6.36 <td>/anguard Small Cap Index Fund</td> <td>718,618</td> <td>2.63</td> <td>2.87</td> <td>19.51</td> <td>2.26</td> <td>-2.40</td>	/anguard Small Cap Index Fund	718,618	2.63	2.87	19.51	2.26	-2.40
anguard Developed Markets Index Fund   1,259,357   4.61   3.27   13.76   -0.02   -1.10     ISCI EAFE (net)   3.68   14.03   1.08   -0.27     shares MSCI EAFE Small-Cap ETF   1,148,000   4.20   1.57   12.59   -5.80   -5.11     ISCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52   .635   .555     delity Emerging Markets Index Fund   512,568   1.87   0.86   10.69   1.41   2.57     SCI EM (net)   0.61   10.59   1.21   2.33   .23   .24   17.78   11.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     xed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund	Russell 2000 Index			2.10	16.98	-3.31	-6.65
SCI EAFE (net)   3.68   14.03   1.08   -0.27     ishares MSCI EAFE Small-Cap ETF   1,148,000   4.20   1.57   12.59   -5.80   -5.11     ISCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52     delity Emerging Markets Index Fund   512,568   1.87   0.86   10.69   1.41   2.57     ISCI EM (net)   0.61   10.59   1.21   2.33     eal Estate   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     xed Income   3.970,355   14.52   2.41   4.96   6.72   6.00     .S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Ba	nternational Equity	2,919,925	10.68	2.17	12.75	-2.18	-2.14
hares MSCI EAFE Small-Cap ETF   1,148,000   4.20   1.57   12.59   -5.80   -5.11     ISCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52     delity Emerging Markets Index Fund   512,568   1.87   0.86   10.69   1.41   2.57     SCI EM (net)   0.61   10.59   1.21   2.33     eal Estate   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     ixed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.318,503   4.82   1.99   4.70   6.19   5.47     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75	anguard Developed Markets Index Fund	1,259,357	4.61	3.27	13.76	-0.02	-1.10
SCI EAFE Small Cap (net)   1.71   12.55   -6.35   -5.52     delity Emerging Markets Index Fund   512,568   1.87   0.86   10.69   1.41   2.57     ISCI EM (net)   0.61   10.59   1.21   2.33     eal Estate   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     ixed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate I-5 Year Index   2.09   4.75   6.30	ISCI EAFE (net)			3.68	14.03	1.08	-0.27
delity Emerging Markets Index Fund     512,568     1.87     0.86     10.69     1.41     2.57       ISCI EM (net)     0.61     10.59     1.21     2.33       eal Estate     693,245     2.54     1.73     19.31     12.21     11.63       anguard Real Estate Index Fund     693,245     2.54     1.73     19.31     12.21     11.63       TSE NAREIT Equity REIT Index     1.24     17.78     11.21     9.85       ixed Income     3,970,355     14.52     2.41     4.96     6.72     6.00       .S. Government Securities     2,124,921     7.77     2.75     4.51     6.73     6.36       Imbg. Barc. U.S. Treasury: 1-3 Year     1.47     2.47     4.02     3.82       anguard Short-Term Corporate Bond Index Fund     1,318,503     4.82     1.99     4.70     6.19     5.47       Imbg. Barc. U.S. Corporate 1-5 Year Index     2.09     4.75     6.30     5.55       anguard High-Yield Corporate Fund     526,930     1.93     3.15     10.98     8.98     6.15       <	Shares MSCI EAFE Small-Cap ETF	1,148,000	4.20	1.57	12.59	-5.80	-5.11
SCI EM (net)   0.61   10.59   1.21   2.33     eal Estate   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     ixed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard High-Yield Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   7.418,723   27.13   0.60   1.25   2.25   1.89     S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24	ISCI EAFE Small Cap (net)			1.71	12.55	-6.35	-5.52
eal Estate   693,245   2.54   1.73   19.31   12.21   11.63     anguard Real Estate Index Fund   693,245   2.54   1.73   19.31   12.21   11.63     TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     ixed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     .S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   2.50   9.94   7.48   4.96     ash Equivalent   7.418,723   27.13   0.60   1.25   2.25   1.89     .S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24 <td>idelity Emerging Markets Index Fund</td> <td>512,568</td> <td>1.87</td> <td>0.86</td> <td>10.69</td> <td>1.41</td> <td>2.57</td>	idelity Emerging Markets Index Fund	512,568	1.87	0.86	10.69	1.41	2.57
anguard Real Estate Index Fund693,2452.541.7319.3112.2111.63TSE NAREIT Equity REIT Index1.2417.7811.219.85ixed Income3,970,35514.522.414.966.726.00.S. Government Securities2,124,9217.772.754.516.736.36Imbg. Barc. U.S. Treasury: 1-3 Year1.472.474.023.82anguard Short-Term Corporate Bond Index Fund1,318,5034.821.994.706.195.47Imbg. Barc. U.S. Corporate 1-5 Year Index2.094.756.305.555.55anguard High-Yield Corporate Fund526,9301.933.1510.988.986.15Imbg. Barc. U.S. Corp: High Yield7,418,72327.130.601.252.251.89.S. Treasury Bill5,499,36020.110.621.272.241.91	ISCI EM (net)			0.61	10.59	1.21	2.33
TSE NAREIT Equity REIT Index   1.24   17.78   11.21   9.85     ixed Income   3,970,355   14.52   2.41   4.96   6.72   6.00     .S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   7,418,723   27.13   0.60   1.25   2.25   1.89     S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24   1.91	Real Estate	693,245	2.54	1.73	19.31	12.21	11.63
Xixed Income     3,970,355     14.52     2.41     4.96     6.72     6.00       .S. Government Securities     2,124,921     7.77     2.75     4.51     6.73     6.36       Imbg. Barc. U.S. Treasury: 1-3 Year     1.47     2.47     4.02     3.82       anguard Short-Term Corporate Bond Index Fund     1,318,503     4.82     1.99     4.70     6.19     5.47       Imbg. Barc. U.S. Corporate 1-5 Year Index     2.09     4.75     6.30     5.55       anguard High-Yield Corporate Fund     526,930     1.93     3.15     10.98     8.98     6.15       Imbg. Barc. U.S. Corp: High Yield     7,418,723     27.13     0.60     1.25     2.25     1.89       ash Equivalent     5,499,360     20.11     0.62     1.27     2.24     1.91	/anguard Real Estate Index Fund	693,245	2.54	1.73	19.31	12.21	11.63
S. Government Securities   2,124,921   7.77   2.75   4.51   6.73   6.36     Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   7,418,723   27.13   0.60   1.25   2.25   1.89     .S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24   1.91	TSE NAREIT Equity REIT Index			1.24	17.78	11.21	9.85
Imbg. Barc. U.S. Treasury: 1-3 Year   1.47   2.47   4.02   3.82     anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   2.50   9.94   7.48   4.96     ash Equivalent   7,418,723   27.13   0.60   1.25   2.25   1.89     S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24   1.91	ixed Income	3,970,355	14.52	2.41	4.96	6.72	6.00
anguard Short-Term Corporate Bond Index Fund   1,318,503   4.82   1.99   4.70   6.19   5.47     Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   2.50   9.94   7.48   4.96     ash Equivalent   7,418,723   27.13   0.60   1.25   2.25   1.89     S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24   1.91	J.S. Government Securities	2,124,921	7.77	2.75	4.51	6.73	6.36
Imbg. Barc. U.S. Corporate 1-5 Year Index   2.09   4.75   6.30   5.55     anguard High-Yield Corporate Fund   526,930   1.93   3.15   10.98   8.98   6.15     Imbg. Barc. U.S. Corp: High Yield   2.50   9.94   7.48   4.96     ash Equivalent   7,418,723   27.13   0.60   1.25   2.25   1.89     S. Treasury Bill   5,499,360   20.11   0.62   1.27   2.24   1.91	Blmbg. Barc. U.S. Treasury: 1-3 Year			1.47	2.47	4.02	3.82
anguard High-Yield Corporate Fund     526,930     1.93     3.15     10.98     8.98     6.15       Imbg. Barc. U.S. Corp: High Yield     2.50     9.94     7.48     4.96       ash Equivalent     7,418,723     27.13     0.60     1.25     2.25     1.89       .S. Treasury Bill     5,499,360     20.11     0.62     1.27     2.24     1.91	/anguard Short-Term Corporate Bond Index Fund	1,318,503	4.82	1.99	4.70	6.19	5.47
Imbg. Barc. U.S. Corp: High Yield2.509.947.484.96ash Equivalent7,418,72327.130.601.252.251.89.S. Treasury Bill5,499,36020.110.621.272.241.91	Imbg. Barc. U.S. Corporate 1-5 Year Index			2.09	4.75	6.30	5.55
ash Equivalent7,418,72327.130.601.252.251.89.S. Treasury Bill5,499,36020.110.621.272.241.91	anguard High-Yield Corporate Fund	526,930	1.93	3.15	10.98	8.98	6.15
ash Equivalent7,418,72327.130.601.252.251.89.S. Treasury Bill5,499,36020.110.621.272.241.91	Blmbg. Barc. U.S. Corp: High Yield			2.50	9.94	7.48	4.96
	Cash Equivalent	7,418,72 <u>3</u>	27.13	0.60	1.25	2.25	1.89
	J.S. Treasury Bill	5,499,360	20.11	0.62	1.27	2.24	1.91
	Vells Fargo 100% Treasury Money Market	1,919,361	7.02	0.56	1.38	N/A	1.94



### **Financial Reconciliation**

Current Quarter				
	Market Value As of 04/01/2019	Net Flows	Return On Investment	Market Value As of 06/30/2019
Total Fund	26,625,594	(3,103)	719,689	27,342,180

YTD				
	Market Value As of 01/01/2019	Net Flows	Return On Investment	Market Value As of 06/30/2019
Total Fund	24,632,281	(6,043)	2,715,942	27,342,180



## Historical Hybrid Composition

Benchmark Allocation	Weight (%)
Oct-2017	
Russell 3000 Index	55.0
Blmbg. Barc. U.S. Aggregate	45.0

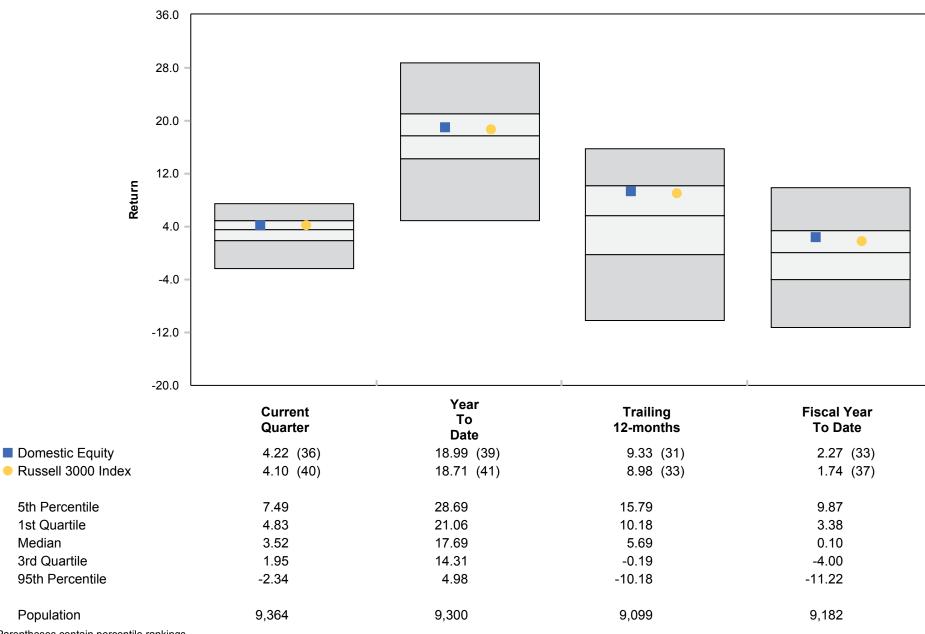


**Investment Manager Review** 



#### **Peer Group Analysis**

IM U.S. Equity (MF)



Parentheses contain percentile rankings.

Calculation based on monthly periodicity. Returns are net of fees and are expressed as percentages.



# Domestic Equity vs. Russell 3000 Index

Portfolio Characteristics					
	Portfolio	Benchmark			
Wtd. Avg. Mkt. Cap (\$M)	197,848	202,131			
Median Mkt. Cap (\$M)	3,644	1,670			
Price/Earnings ratio	20.60	20.34			
Price/Book ratio	3.42	3.39			
5 Yr. EPS Growth Rate (%)	15.01	15.35			
Current Yield (%)	1.89	1.88			
Number of Stocks	1,966	2,954			

Top Ten Equity Holdings						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Microsoft Corp	3.44	3.46	-0.02	14.00		
Apple Inc	2.90	3.20	-0.30	4.60		
Amazon.com Inc	2.62	2.65	-0.03	6.34		
Facebook Inc	1.55	1.56	-0.01	15.78		
Berkshire Hathaway Inc	1.36	1.41	-0.05	6.11		
Johnson & Johnson	1.24	1.27	-0.03	0.32		
JPMorgan Chase & Co	1.22	1.26	-0.04	11.28		
Alphabet Inc	1.11	1.12	-0.01	-7.88		
Exxon Mobil Corp	1.09	1.11	-0.02	-4.08		
Alphabet Inc	1.09	1.10	-0.01	-8.00		
% of Portfolio	17.62	18.14	-0.52			

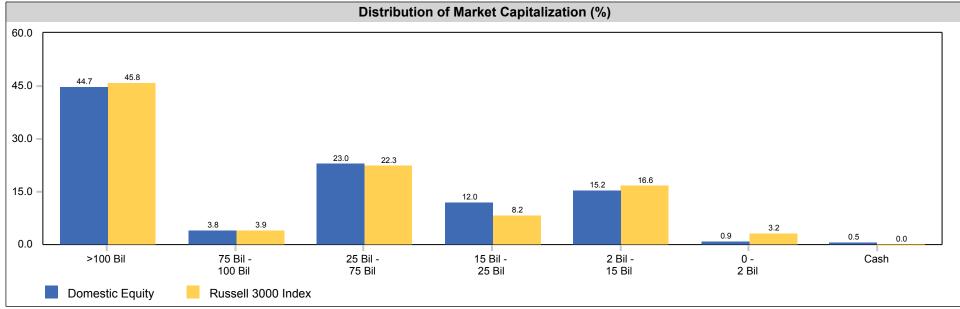
Ten Best Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Iovance Biotherapeutics Inc	0.00	0.01	-0.01	157.83		
Maxar Technologies Inc	0.00	0.00	0.00	94.84		
Array BioPharma Inc	0.02	0.03	-0.01	90.03		
G1 Therapeutics Inc	0.00	0.00	0.00	84.70		
ShockWave Medical Inc	0.00	0.00	0.00	70.57		
SunPower Corp	0.00	0.00	0.00	64.21		
Sonic Automotive Inc.	0.00	0.00	0.00	58.34		
Anadarko Petroleum Corp	0.12	0.12	0.00	55.81		
Sotheby's	0.00	0.01	-0.01	53.99		
ZIOPHARM Oncology Inc	0.00	0.00	0.00	51.43		
% of Portfolio	0.14	0.17	-0.03			

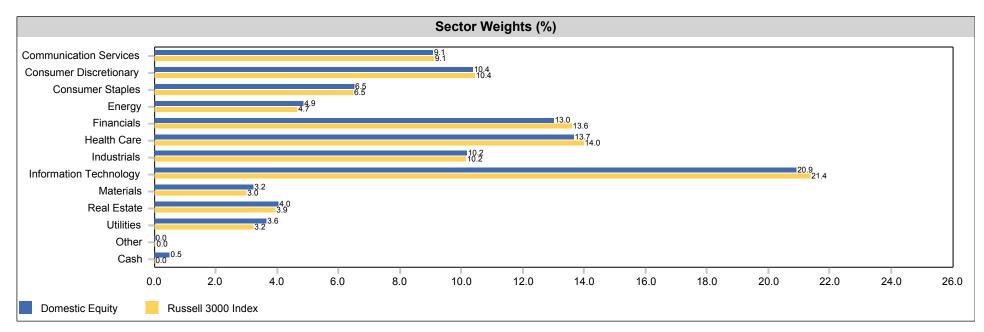
Ten Worst Performers							
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)			
Insys Therapeutics Inc	0.00	0.00	0.00	-93.51			
Superior Energy Services Inc.	0.00	0.00	0.00	-72.16			
Roan Resources Inc	0.00	0.00	0.00	-71.52			
Dean Foods Co	0.00	0.00	0.00	-69.51			
Puma Biotechnology Inc	0.00	0.00	0.00	-67.23			
Covia Holdings Corp	0.00	0.00	0.00	-64.94			
At Home Group Inc	0.00	0.00	0.00	-62.71			
R.R. Donnelley & Sons Co	0.00	0.00	0.00	-57.86			
Mallinckrodt Plc	0.00	0.00	0.00	-57.77			
Five Prime Therapeutics Inc	0.00	0.00	0.00	-55.00			
% of Portfolio	0.00	0.00	0.00				



#### **Portfolio Characteristics**

#### Domestic Equity vs. Russell 3000 Index







# Buy and Hold Sector Attribution

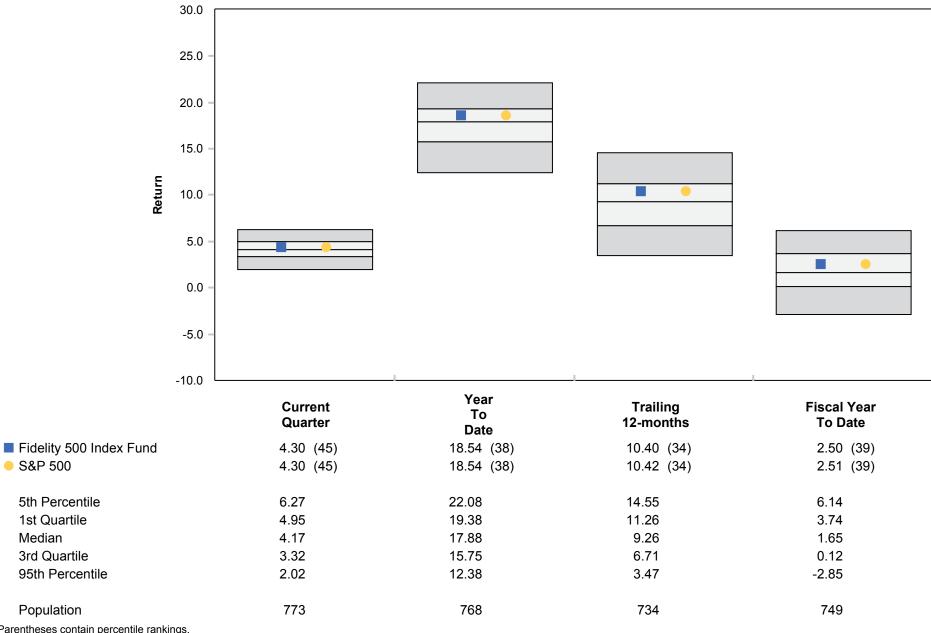
Domestic Equity vs. Russell 3000 Index

Buy-and-Hold Portfolio	4.14
Portfolio Trading	0.08
Actual Return	4.22
Benchmark Return	4.10
Actual Active Return	0.13
Stock Selection	0.18
Sector Selection	-0.05
Interaction	0.00
Total Selection	0.13
Portfolio Trading	0.08
Benchmark Trading	0.08
Active Trading Impact	0.00
Buy & Hold Active Return	0.13

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	8.96	9.08	4.71	4.36	0.03	0.00	0.00	0.03
Consumer Discretionary	10.43	10.37	4.56	4.57	0.00	0.00	0.00	0.00
Consumer Staples	6.59	6.53	3.30	3.31	0.00	0.00	0.00	0.00
Energy	5.26	5.07	-3.59	-3.87	0.01	-0.02	0.00	0.00
Financials	12.69	13.17	7.92	7.63	0.04	-0.02	0.00	0.02
Health Care	13.98	14.34	1.80	1.45	0.05	0.01	0.00	0.06
Industrials	10.23	10.13	4.65	4.65	0.00	0.00	0.00	0.00
Information Technology	20.71	21.11	5.75	5.66	0.02	-0.01	0.00	0.01
Materials	3.07	2.95	3.04	2.05	0.03	0.00	0.00	0.03
Real Estate	4.06	4.04	1.72	1.74	0.00	0.00	0.00	0.00
Utilities	3.69	3.22	3.45	3.57	0.00	0.00	0.00	-0.01
Cash	0.34	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01
Total	100.00	100.00	4.14	4.01	0.18	-0.05	0.00	0.13



IM U.S. Large Cap Core Equity (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

Returns are net of fees and are expressed as percentages.

Median



# Fidelity 500 Index Fund vs. S&P 500

Portfolio Characteristics							
	Portfolio	Benchmark					
Wtd. Avg. Mkt. Cap (\$M)	238,361	238,882					
Median Mkt. Cap (\$M)	22,707	22,707					
Price/Earnings ratio	20.41	20.41					
Price/Book ratio	3.52	3.52					
5 Yr. EPS Growth Rate (%)	15.46	15.46					
Current Yield (%)	1.97	1.97					
Number of Stocks	507	505					

Top Ten Equity Holdings								
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)				
Microsoft Corp	4.19	4.20	-0.01	14.00				
Apple Inc	3.53	3.54	-0.01	4.60				
Amazon.com Inc	3.20	3.21	-0.01	6.34				
Facebook Inc	1.89	1.90	-0.01	15.78				
Berkshire Hathaway Inc	1.69	1.69	0.00	6.11				
Johnson & Johnson	1.51	1.51	0.00	0.32				
JPMorgan Chase & Co	1.48	1.48	0.00	11.28				
Alphabet Inc	1.35	1.36	-0.01	-7.88				
Alphabet Inc	1.32	1.33	-0.01	-8.00				
Exxon Mobil Corp	1.32	1.33	-0.01	-4.08				
% of Portfolio	21.48	21.55	-0.07					

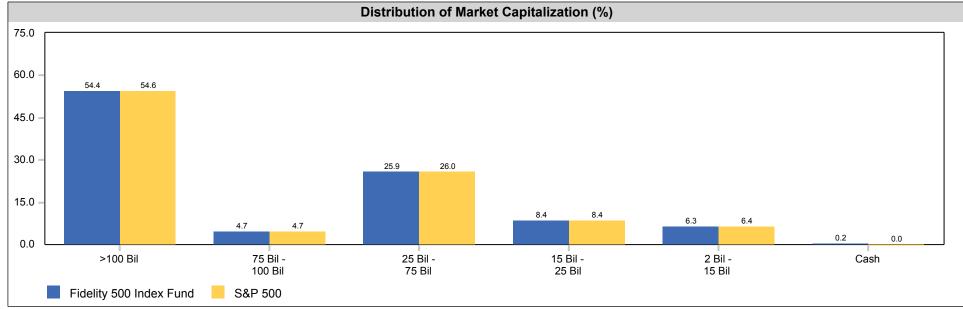
Ten Best Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Anadarko Petroleum Corp	0.14	0.15	-0.01	55.81		
Arconic Inc	0.04	0.04	0.00	35.24		
Total System Services Inc.	0.09	0.09	0.00	35.14		
QUALCOMM Inc.	0.38	0.38	0.00	34.62		
Cerner Corp	0.10	0.10	0.00	28.45		
Walt Disney Co (The)	1.00	1.00	0.00	25.77		
Hasbro Inc.	0.05	0.05	0.00	25.13		
American International Group Inc	0.19	0.19	0.00	24.48		
CarMax Inc	0.06	0.06	0.00	24.40		
Broadridge Financial Solutions Inc	0.06	0.06	0.00	23.59		
% of Portfolio	2.11	2.12	-0.01			

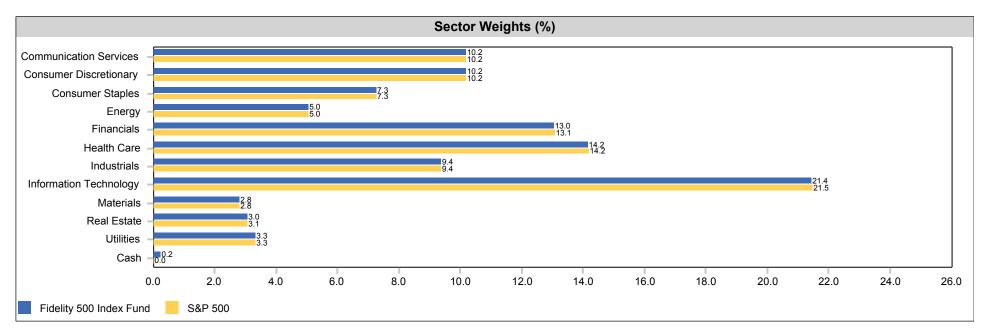
Ten Worst Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Mylan NV	0.04	0.04	0.00	-32.82		
Gap Inc	0.02	0.02	0.00	-30.71		
Foot Locker Inc.	0.02	0.02	0.00	-30.41		
Kohl's Corp	0.03	0.03	0.00	-29.89		
Nordstrom Inc.	0.01	0.01	0.00	-27.36		
Capri Holdings Ltd	0.02	0.02	0.00	-24.20		
Regeneron Pharmaceuticals Inc	0.10	0.10	0.00	-23.77		
Occidental Petroleum Corp	0.15	0.15	0.00	-22.81		
PVH Corp	0.03	0.03	0.00	-22.37		
Halliburton Co	0.08	0.08	0.00	-21.75		
% of Portfolio	0.50	0.50	0.00			



#### **Portfolio Characteristics**

#### Fidelity 500 Index Fund vs. S&P 500







# Buy and Hold Sector Attribution

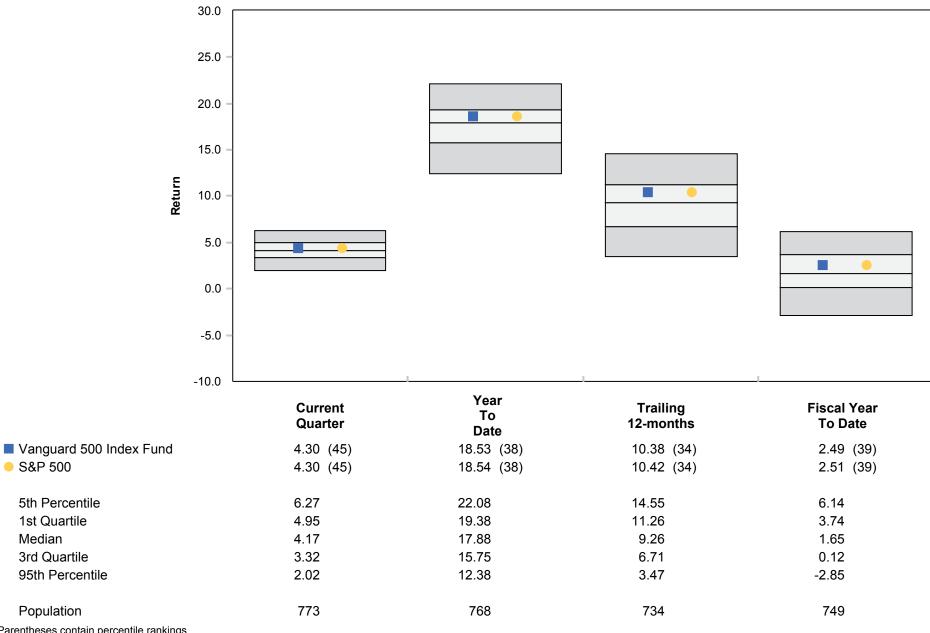
Fidelity 500 Index Fund vs. S&P 500

4.20
0.10
4.30
4.30
0.00
0.00
-0.02
0.00
-0.02
0.10
0.09
0.01
0.00

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	10.06	10.11	4.49	4.49	0.00	0.00	0.00	0.00
Consumer Discretionary	10.11	10.15	5.28	5.28	0.00	0.00	0.00	0.00
Consumer Staples	7.30	7.33	3.74	3.74	0.00	0.00	0.00	0.00
Energy	5.40	5.43	-2.82	-2.82	0.00	0.00	0.00	0.00
Financials	12.64	12.69	7.99	7.99	0.00	0.00	0.00	0.00
Health Care	14.51	14.57	1.38	1.38	0.00	0.00	0.00	0.00
Industrials	9.44	9.48	3.60	3.60	0.00	0.00	0.00	0.00
Information Technology	21.11	21.19	6.06	6.06	0.00	0.00	0.00	0.00
Materials	2.63	2.64	2.66	2.66	0.00	0.00	0.00	0.00
Real Estate	3.08	3.09	2.45	2.45	0.00	0.00	0.00	0.00
Utilities	3.32	3.33	3.48	3.48	0.00	0.00	0.00	0.00
Cash	0.41	0.00	0.00	0.00	0.00	-0.02	0.00	-0.02
Total	100.00	100.00	4.20	4.21	0.00	-0.02	0.00	-0.02



IM U.S. Large Cap Core Equity (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

Returns are net of fees and are expressed as percentages.

S&P 500

Median

Population



# Vanguard 500 Index Fund vs. S&P 500

Portfolio Characteristics							
	Portfolio	Benchmark					
Wtd. Avg. Mkt. Cap (\$M)	237,398	238,882					
Median Mkt. Cap (\$M)	22,707	22,707					
Price/Earnings ratio	20.42	20.41					
Price/Book ratio	3.53	3.52					
5 Yr. EPS Growth Rate (%)	15.46	15.46					
Current Yield (%)	1.96	1.97					
Number of Stocks	510	505					

	Top Ten Equity Holdings								
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)					
Microsoft Corp	4.18	4.20	-0.02	14.00					
Apple Inc	3.52	3.54	-0.02	4.60					
Amazon.com Inc	3.19	3.21	-0.02	6.34					
Facebook Inc	1.89	1.90	-0.01	15.78					
Berkshire Hathaway Inc	1.63	1.69	-0.06	6.11					
Johnson & Johnson	1.51	1.51	0.00	0.32					
JPMorgan Chase & Co	1.48	1.48	0.00	11.28					
Alphabet Inc	1.35	1.36	-0.01	-7.88					
Exxon Mobil Corp	1.32	1.33	-0.01	-4.08					
Alphabet Inc	1.32	1.33	-0.01	-8.00					
% of Portfolio	21.39	21.55	-0.16						

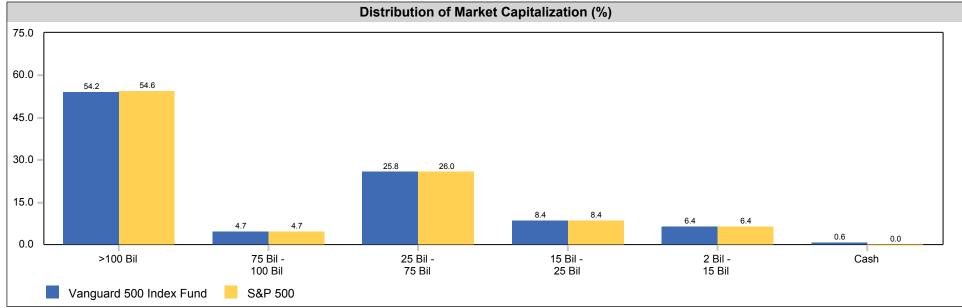
Ten Best Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Anadarko Petroleum Corp	0.14	0.15	-0.01	55.81		
Arconic Inc	0.04	0.04	0.00	35.24		
Total System Services Inc.	0.08	0.09	-0.01	35.14		
QUALCOMM Inc.	0.38	0.38	0.00	34.62		
MarketAxess Holdings Inc	0.04	0.00	0.04	30.85		
Cerner Corp	0.10	0.10	0.00	28.45		
Walt Disney Co (The)	0.99	1.00	-0.01	25.77		
Hasbro Inc.	0.05	0.05	0.00	25.13		
American International Group Inc	0.19	0.19	0.00	24.48		
CarMax Inc	0.06	0.06	0.00	24.40		
% of Portfolio	2.07	2.06	0.01			

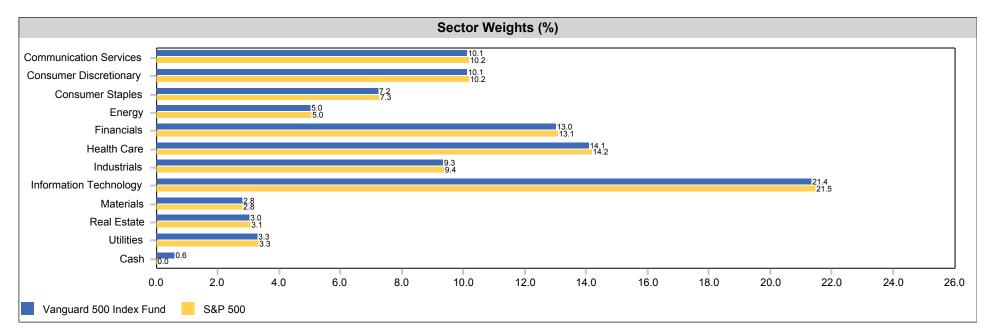
Ten Worst Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Mylan NV	0.04	0.04	0.00	-32.82		
Gap Inc	0.02	0.02	0.00	-30.71		
Foot Locker Inc.	0.02	0.02	0.00	-30.41		
Kohl's Corp	0.03	0.03	0.00	-29.89		
Nordstrom Inc.	0.01	0.01	0.00	-27.36		
Capri Holdings Ltd	0.02	0.02	0.00	-24.20		
Regeneron Pharmaceuticals Inc	0.10	0.10	0.00	-23.77		
Occidental Petroleum Corp	0.15	0.15	0.00	-22.81		
PVH Corp	0.03	0.03	0.00	-22.37		
Halliburton Co	0.08	0.08	0.00	-21.75		
% of Portfolio	0.50	0.50	0.00			



#### **Portfolio Characteristics**

#### Vanguard 500 Index Fund vs. S&P 500







# Buy and Hold Sector Attribution

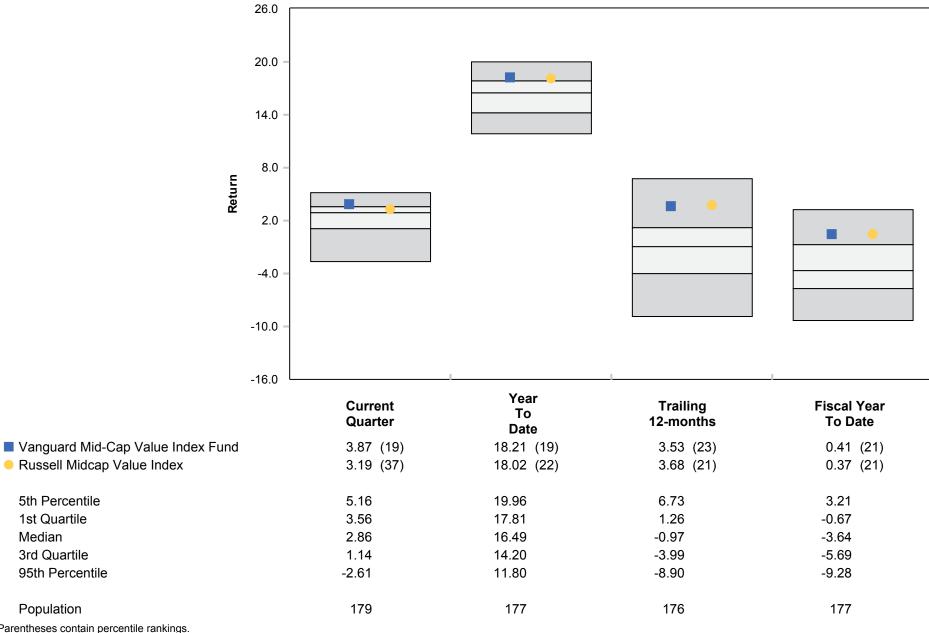
Vanguard 500 Index Fund vs. S&P 500

Buy-and-Hold Portfolio	4.21
Portfolio Trading	0.08
Actual Return	4.30
Benchmark Return	4.30
Actual Active Return	-0.01
Stock Selection	0.00
Sector Selection	0.00
Interaction	0.00
Total Selection	0.00
Portfolio Trading	0.08
Benchmark Trading	0.09
Active Trading Impact	-0.01
Buy & Hold Active Return	-0.01

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	10.11	10.11	4.49	4.49	0.00	0.00	0.00	0.00
Consumer Discretionary	10.15	10.15	5.28	5.28	0.00	0.00	0.00	0.00
Consumer Staples	7.33	7.33	3.74	3.74	0.00	0.00	0.00	0.00
Energy	5.43	5.43	-2.82	-2.82	0.00	0.00	0.00	0.00
Financials	12.68	12.69	8.00	7.99	0.00	0.00	0.00	0.00
Health Care	14.58	14.57	1.38	1.38	0.00	0.00	0.00	0.00
Industrials	9.48	9.48	3.60	3.60	0.00	0.00	0.00	0.00
Information Technology	21.20	21.19	6.06	6.06	0.00	0.00	0.00	0.00
Materials	2.64	2.64	2.65	2.66	0.00	0.00	0.00	0.00
Real Estate	3.09	3.09	2.45	2.45	0.00	0.00	0.00	0.00
Utilities	3.33	3.33	3.48	3.48	0.00	0.00	0.00	0.00
Total	100.00	100.00	4.21	4.21	0.00	0.00	0.00	0.00



IM U.S. Mid Cap Value Equity (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

5th Percentile

95th Percentile

Population

1st Quartile

Median 3rd Quartile

Returns are net of fees and are expressed as percentages.



Vanguard Mid-Cap Value Index Fund	vs. Russell Midcap Value Index

Portfolio Characteristics						
	Portfolio	Benchmark				
Wtd. Avg. Mkt. Cap (\$M)	14,793	15,762				
Median Mkt. Cap (\$M)	11,610	7,901				
Price/Earnings ratio	17.18	18.70				
Price/Book ratio	2.26	2.19				
5 Yr. EPS Growth Rate (%)	7.14	8.93				
Current Yield (%)	2.34	2.35				
Number of Stocks	209	587				

Top Ten Equity Holdings						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Newmont Goldcorp Corp	1.46	0.72	0.74	10.72		
Motorola Solutions Inc	1.30	0.55	0.75	19.16		
WEC Energy Group Inc	1.24	0.61	0.63	6.20		
Willis Towers Watson plc	1.17	0.57	0.60	9.42		
Eversource Energy	1.15	0.55	0.60	7.55		
DTE Energy Co	1.10	0.53	0.57	3.27		
Ball Corp	1.10	0.54	0.56	21.26		
FirstEnergy Corp.	1.07	0.48	0.59	3.82		
M&T Bank Corp	1.04	0.54	0.50	8.99		
American Water Works Co Inc	0.99	0.48	0.51	11.77		
% of Portfolio	11.62	5.57	6.05			

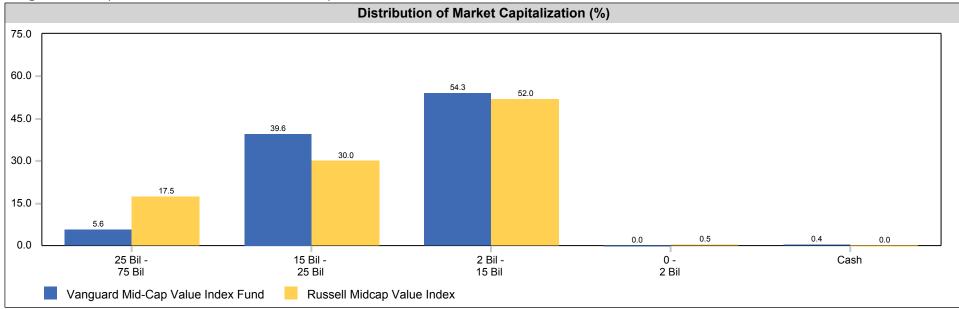
Ten Best Performers							
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)			
Arconic Inc	0.44	0.26	0.18	35.24			
PG&E Corp	0.57	0.27	0.30	28.76			
Hasbro Inc.	0.60	0.06	0.54	25.13			
CarMax Inc	0.34	0.13	0.21	24.40			
Owens Corning	0.00	0.14	-0.14	23.51			
Aramark	0.42	0.20	0.22	22.45			
Cincinnati Financial Corp	0.76	0.37	0.39	21.34			
Ball Corp	1.10	0.54	0.56	21.26			
DISH Network Corp	0.40	0.20	0.20	21.21			
Marvell Technology Group Ltd	0.71	0.22	0.49	20.37			
% of Portfolio	5.34	2.39	2.95				

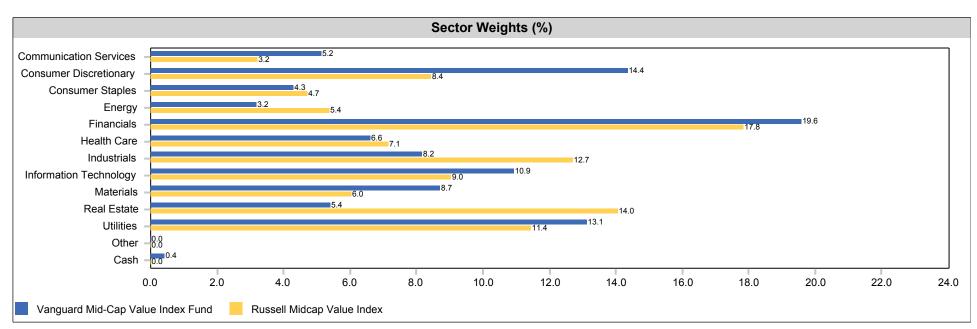
Ten Worst Performers							
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)			
Mylan NV	0.46	0.22	0.24	-32.82			
Gap Inc	0.24	0.08	0.16	-30.71			
Kohl's Corp	0.37	0.18	0.19	-29.89			
Nordstrom Inc.	0.08	0.00	0.08	-27.36			
Capri Holdings Ltd	0.12	0.05	0.07	-24.20			
Qurate Retail Inc	0.12	0.12	0.00	-22.46			
PVH Corp	0.33	0.16	0.17	-22.37			
Macerich Co (The)	0.11	0.10	0.01	-21.31			
Alliance Data Systems Corp	0.31	0.00	0.31	-19.56			
Alcoa Corp	0.00	0.10	-0.10	-16.87			
% of Portfolio	2.14	1.01	1.13				



#### **Portfolio Characteristics**

Vanguard Mid-Cap Value Index Fund vs. Russell Midcap Value Index







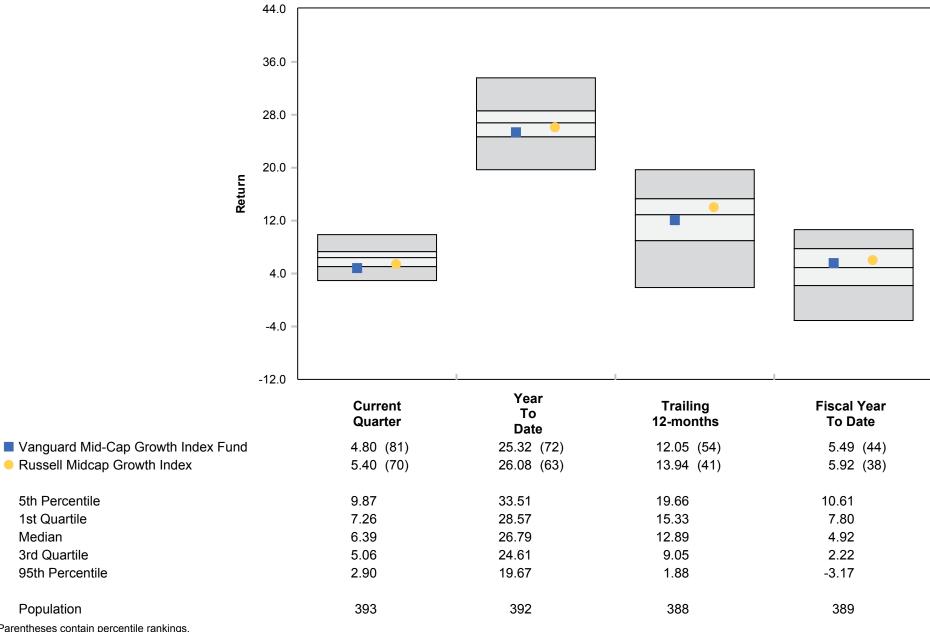
Vanguard Mid-Cap Value Index Fund vs. Russell Midcap Value Index

3.92
-0.05
3.87
3.19
0.67
0.35
0.29
0.11
0.75
-0.05
0.02
-0.08
0.67

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	4.76	3.07	9.52	7.76	0.05	0.08	0.03	0.16
Consumer Discretionary	15.70	8.74	-1.30	-0.55	-0.06	-0.26	-0.05	-0.38
Consumer Staples	4.75	4.99	0.67	-1.32	0.10	0.01	0.00	0.11
Energy	3.66	6.06	-7.58	-8.22	0.04	0.27	-0.02	0.30
Financials	18.94	17.14	8.96	7.47	0.25	0.08	0.03	0.36
Health Care	6.13	7.12	4.39	2.95	0.10	0.00	-0.01	0.09
Industrials	8.09	12.12	7.28	8.27	-0.12	-0.21	0.04	-0.29
Information Technology	11.50	8.94	4.39	5.44	-0.09	0.06	-0.03	-0.06
Materials	8.06	5.97	4.37	2.14	0.13	-0.02	0.05	0.16
Real Estate	5.16	14.48	-0.53	0.25	-0.11	0.27	0.07	0.23
Utilities	13.26	11.38	4.01	3.51	0.06	0.01	0.01	0.07
Total	100.00	100.00	3.92	3.17	0.35	0.29	0.11	0.75



IM U.S. Mid Cap Growth Equity (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

5th Percentile

1st Quartile

3rd Quartile

Population

95th Percentile

Median

Returns are net of fees and are expressed as percentages.

Portfolio Characteristics						
	Portfolio	Benchmark				
Wtd. Avg. Mkt. Cap (\$M)	19,065	18,181				
Median Mkt. Cap (\$M)	13,768	8,972				
Price/Earnings ratio	32.26	24.93				
Price/Book ratio	4.60	6.07				
5 Yr. EPS Growth Rate (%)	16.01	17.17				
Current Yield (%)	0.85	0.88				
Number of Stocks	179	418				

]	Top Ten Equity Holdings						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)			
Fiserv Inc.	1.63	1.11	0.52	3.26			
Red Hat Inc	1.44	1.02	0.42	2.77			
Xilinx Inc.	1.36	0.92	0.44	-6.70			
Advanced Micro Devices Inc	1.34	0.87	0.47	19.00			
Amphenol Corp	1.30	0.87	0.43	1.84			
ONEOK Inc.	1.29	0.36	0.93	-0.24			
Iqvia Holdings Inc	1.23	0.00	1.23	11.85			
Dollar Tree Inc	1.16	0.13	1.03	2.24			
Twitter Inc	1.16	0.77	0.39	6.14			
SBA Communications Corp	1.16	0.77	0.39	12.61			
% of Portfolio	13.07	6.82	6.25				

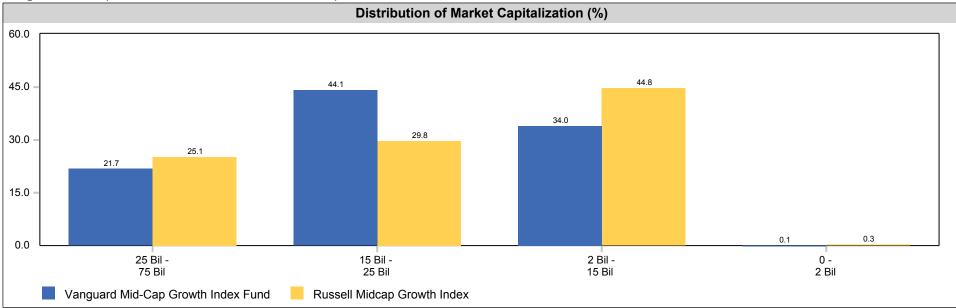
Ten Best Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Okta Inc	0.29	0.33	-0.04	49.29		
HEICO Corp	0.12	0.16	-0.04	41.12		
EXACT Sciences Corp	0.34	0.43	-0.09	36.27		
Total System Services Inc.	0.93	0.71	0.22	35.14		
SNAP INC	0.45	0.00	0.45	29.76		
Cerner Corp	1.03	0.31	0.72	28.45		
Veeva Systems Inc	0.94	0.62	0.32	27.79		
DexCom Inc	0.62	0.40	0.22	25.81		
CarMax Inc	0.33	0.27	0.06	24.40		
Broadridge Financial Solutions Inc	0.67	0.45	0.22	23.59		
% of Portfolio	5.72	3.68	2.04			

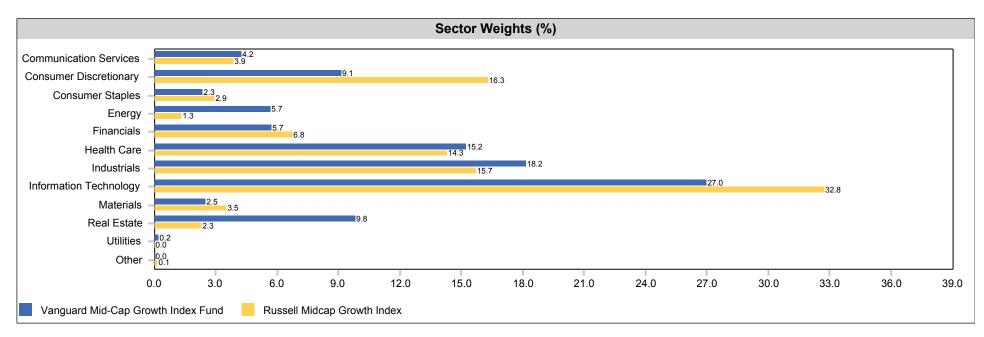
Ten Worst Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Alkermes Plc	0.00	0.11	-0.11	-38.23		
Alnylam Pharmaceuticals Inc	0.35	0.19	0.16	-22.35		
Arista Networks Inc	0.63	0.46	0.17	-17.44		
NRG Energy Inc	0.20	0.00	0.20	-17.26		
Palo Alto Networks Inc	0.84	0.57	0.27	-16.11		
Lyft Inc	0.12	0.00	0.12	-16.07		
Apache Corp	0.49	0.02	0.47	-15.83		
CDK Global Inc	0.14	0.19	-0.05	-15.69		
Lamb Weston Holdings Inc	0.42	0.00	0.42	-15.20		
Cimarex Energy Co.	0.14	0.02	0.12	-14.87		
% of Portfolio	3.33	1.56	1.77			



#### **Portfolio Characteristics**

#### Vanguard Mid-Cap Growth Index Fund vs. Russell Midcap Growth Index







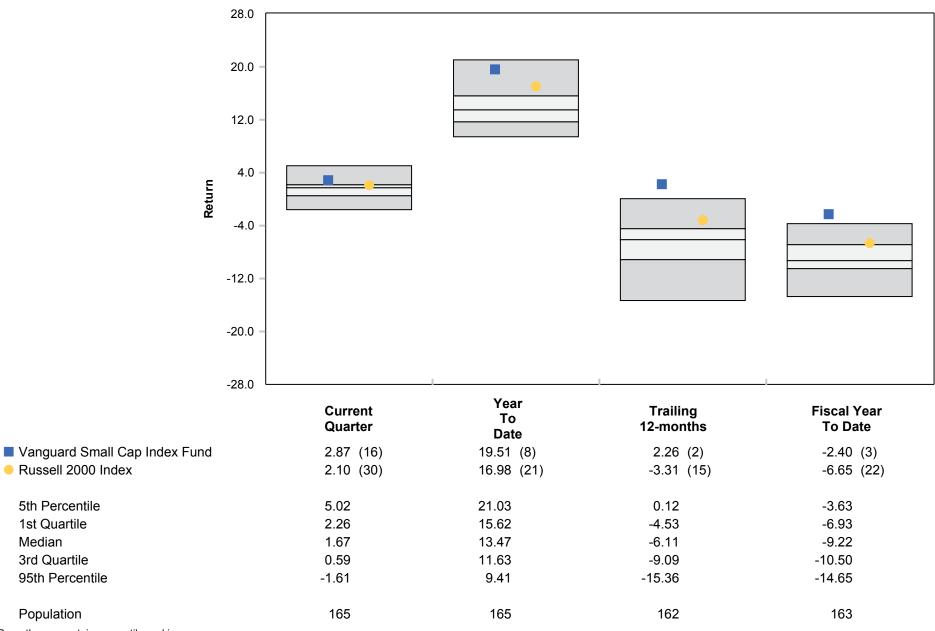
Vanguard Mid-Cap Growth Index Fund vs. Russell Midcap Growth Index

4.78
0.02
4.80
5.40
-0.61
0.11
-0.52
-0.21
-0.63
0.02
-0.01
0.02
-0.61

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	3.58	3.76	10.03	7.70	0.09	0.00	0.00	0.08
Consumer Discretionary	9.14	16.12	5.75	6.57	-0.13	-0.08	0.06	-0.16
Consumer Staples	2.43	3.03	-2.06	2.59	-0.14	0.02	0.03	-0.10
Energy	6.30	1.47	-4.42	-4.49	0.00	-0.48	0.00	-0.47
Financials	6.11	6.44	7.57	10.54	-0.19	-0.02	0.01	-0.20
Health Care	15.29	14.42	5.78	3.94	0.27	-0.01	0.02	0.27
Industrials	17.63	15.72	8.15	6.24	0.30	0.02	0.04	0.35
Information Technology	26.41	33.20	4.04	4.53	-0.16	0.06	0.03	-0.07
Materials	2.70	3.55	10.06	4.93	0.18	0.00	-0.04	0.14
Real Estate	9.66	2.28	1.52	6.20	-0.11	0.06	-0.35	-0.39
Utilities	0.27	0.00	-17.26	0.00	0.00	-0.06	0.00	-0.06
Cash	0.47	0.00	0.00	0.00	0.00	-0.03	0.00	-0.03
Total	100.00	100.00	4.78	5.41	0.11	-0.52	-0.21	-0.63



IM U.S. Small Cap Core Equity (MF)



Parentheses contain percentile rankings.

5th Percentile

95th Percentile

Population

1st Quartile

Median 3rd Quartile

Calculation based on monthly periodicity.



Vanguard Small Cap Index Fund vs. Russell 2000 Index

Portfolio Characteristics				
Portfolio	Benchmark			
4,779	2,569			
2,314	787			
19.24	18.12			
2.70	2.44			
14.11	13.91			
1.61	1.42			
1,402	1,977			
	Portfolio 4,779 2,314 19.24 2.70 14.11 1.61			

Top Ten Equity Holdings					
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)	
CASH	2.44	0.00	2.44	N/A	
IDEX Corp	0.35	0.00	0.35	13.81	
Steris Plc	0.34	0.00	0.34	16.57	
Tableau Software Inc	0.34	0.00	0.34	30.44	
Atmos Energy Corp	0.34	0.00	0.34	3.08	
Leidos Holdings Inc	0.31	0.00	0.31	25.10	
MarketAxess Holdings Inc	0.31	0.00	0.31	30.85	
Zebra Technologies Corp.	0.31	0.00	0.31	-0.02	
Burlington Stores Inc	0.31	0.00	0.31	8.60	
Sun Communities Inc.	0.30	0.00	0.30	8.80	
% of Portfolio	5.35	0.00	5.35		

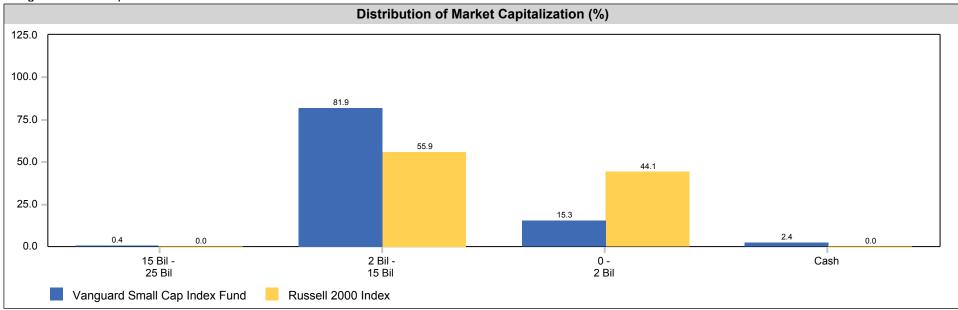
Ten Best Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Iovance Biotherapeutics Inc	0.04	0.13	-0.09	157.83		
Maxar Technologies Inc	0.01	0.02	-0.01	94.84		
Array BioPharma Inc	0.28	0.48	-0.20	90.03		
G1 Therapeutics Inc	0.01	0.03	-0.02	84.70		
ShockWave Medical Inc	0.01	0.00	0.01	70.57		
SunPower Corp	0.02	0.03	-0.01	64.21		
Sonic Automotive Inc.	0.01	0.03	-0.02	58.34		
Sotheby's	0.06	0.09	-0.03	53.99		
ZIOPHARM Oncology Inc	0.01	0.04	-0.03	51.43		
Cypress Semiconductor Corp	0.22	0.00	0.22	49.80		
% of Portfolio	0.67	0.85	-0.18			

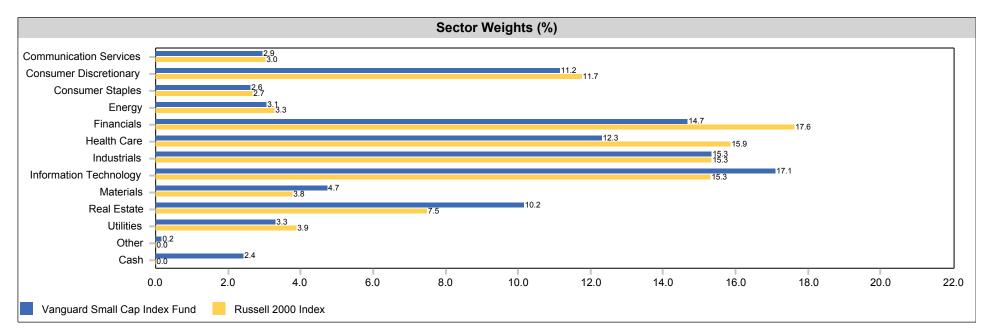
Ten Worst Performers						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)		
Insys Therapeutics Inc	0.00	0.00	0.00	-93.51		
Superior Energy Services Inc.	0.00	0.01	-0.01	-72.16		
Roan Resources Inc	0.00	0.00	0.00	-71.52		
Dean Foods Co	0.00	0.00	0.00	-69.51		
Puma Biotechnology Inc	0.01	0.02	-0.01	-67.23		
Covia Holdings Corp	0.00	0.00	0.00	-64.94		
At Home Group Inc	0.01	0.01	0.00	-62.71		
R.R. Donnelley & Sons Co	0.00	0.01	-0.01	-57.86		
Mallinckrodt Plc	0.02	0.04	-0.02	-57.77		
Five Prime Therapeutics Inc	0.00	0.01	-0.01	-55.00		
% of Portfolio	0.04	0.10	-0.06			



# **Portfolio Characteristics**

#### Vanguard Small Cap Index Fund vs. Russell 2000 Index







Vanguard Small Cap Index Fund vs. Russell 2000 Index

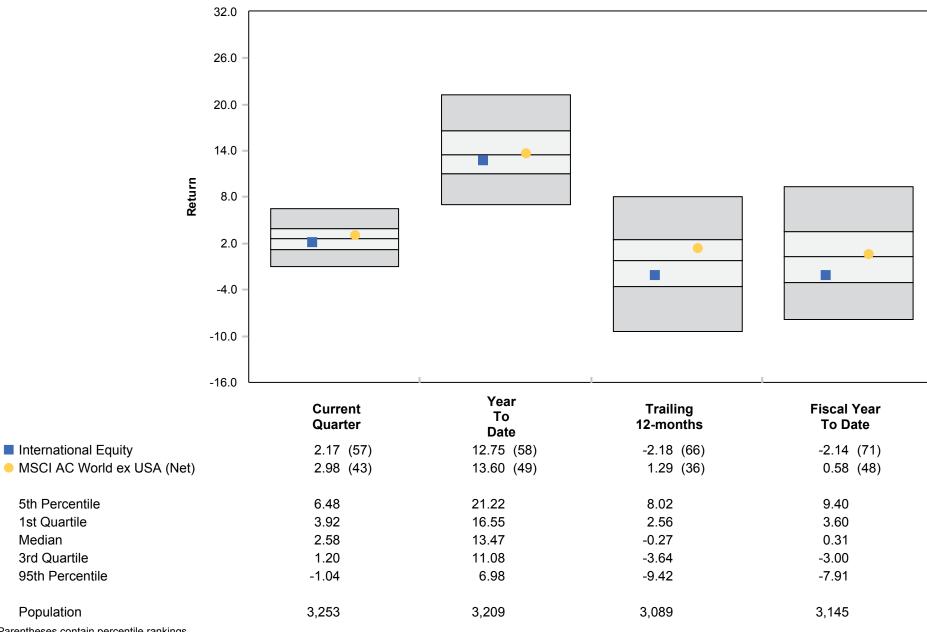
2.77
0.09
2.87
2.10
0.77
0.83
0.01
-0.15
0.69
0.09
0.01
0.08
0.77

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	3.02	3.25	1.11	-5.91	0.23	0.02	-0.02	0.23
Consumer Discretionary	10.95	12.01	2.28	-0.65	0.35	0.03	-0.03	0.35
Consumer Staples	2.69	2.79	-3.51	-3.18	-0.01	0.01	0.00	0.00
Energy	3.50	3.71	-14.65	-8.56	-0.23	0.02	0.01	-0.19
Financials	14.43	17.10	5.90	5.15	0.13	-0.08	-0.02	0.03
Health Care	12.17	15.98	2.22	-0.19	0.39	0.09	-0.09	0.38
Industrials	15.00	14.41	8.11	8.73	-0.09	0.04	0.00	-0.05
Information Technology	17.08	15.60	4.02	2.54	0.23	0.01	0.02	0.26
Materials	4.86	3.84	-0.38	-0.68	0.01	-0.03	0.00	-0.01
Real Estate	10.53	7.56	-0.04	1.14	-0.09	-0.03	-0.03	-0.15
Utilities	3.35	3.76	2.87	5.25	-0.09	-0.01	0.01	-0.09
Cash	2.43	0.00	0.00	0.00	0.00	-0.05	0.00	-0.05
Total	100.00	100.00	2.77	2.08	0.83	0.01	-0.15	0.69



#### **Peer Group Analysis**

IM International Equity (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

5th Percentile

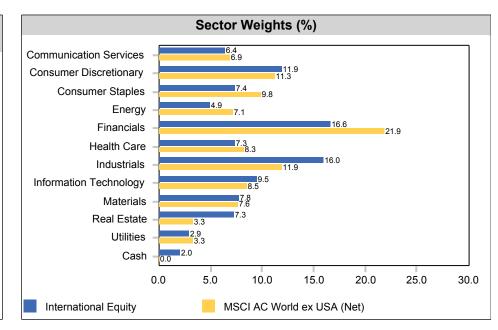
1st Quartile

Population

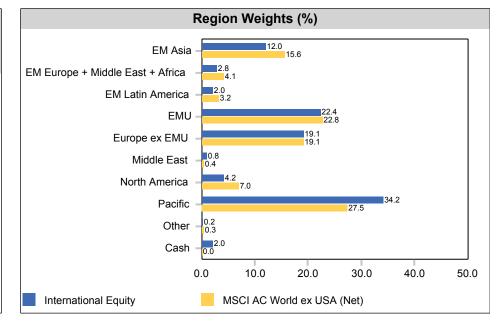
Median 3rd Quartile



Portfolio Characteristics				
	Portfolio	Benchmark		
Wtd. Avg. Mkt. Cap (\$M)	36,981	67,766		
Median Mkt. Cap (\$M)	2,062	7,982		
Price/Earnings ratio	13.91	13.96		
Price/Book ratio	2.18	2.23		
5 Yr. EPS Growth Rate (%)	10.61	9.73		
Current Yield (%)	3.12	3.40		
Number of Stocks	5,274	2,206		



Top Ten Equity Holdings					
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)		
CASH	2.05	0.00	2.05		
Samsung Electronics Co Ltd	1.04	0.93	0.11		
Tencent Holdings LTD	0.80	1.23	-0.43		
Alibaba Group Holding Ltd	0.75	1.15	-0.40		
Nestle SA, Cham Und Vevey	0.75	1.52	-0.77		
Taiwan Semicon Manufctrg Co Ltd	0.59	0.91	-0.32		
Novartis AG	0.48	0.95	-0.47		
Roche Holding AG	0.47	0.95	-0.48		
Toyota Motor Corp	0.38	0.68	-0.30		
Royal Dutch Shell PLC	0.35	0.69	-0.34		
% of Portfolio	7.66	9.01	-1.35		





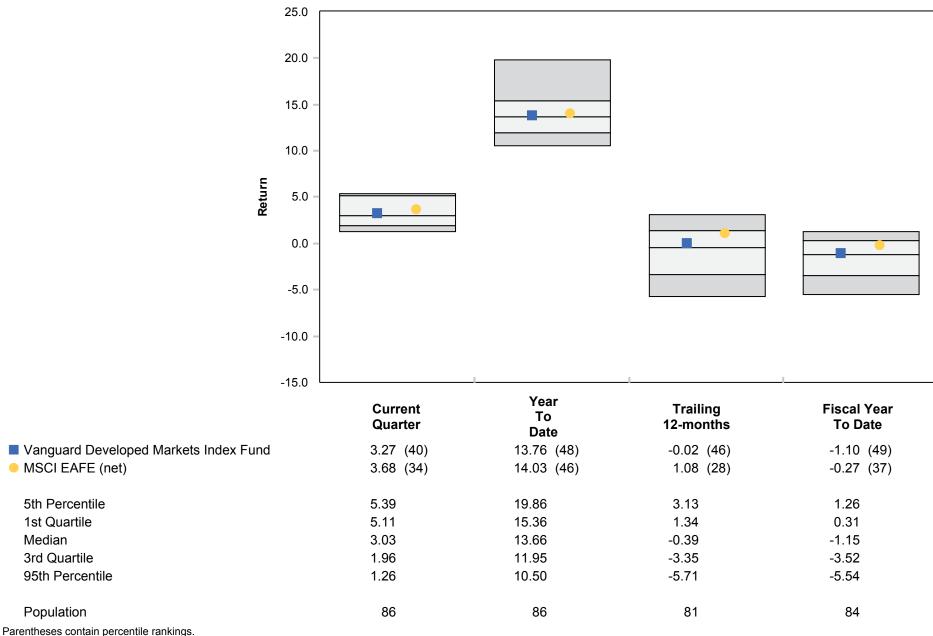
International Equity vs. MSCI AC World ex USA (Net)

Buy-and-Hold Portfolio	2.58
Portfolio Trading	-0.41
Actual Return	2.17
Benchmark Return	2.98
Actual Active Return	-0.81
Stock Selection	-0.68
Sector Selection	-0.03
Interaction	0.13
Total Selection	-0.59
Portfolio Trading	-0.41
Benchmark Trading	-0.18
Active Trading Impact	-0.23
Buy & Hold Active Return	-0.81

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	6.36	7.05	1.22	1.02	0.01	0.01	0.00	0.03
Consumer Discretionary	12.20	11.13	1.16	4.06	-0.32	0.01	-0.03	-0.34
Consumer Staples	7.66	9.92	0.89	2.54	-0.16	0.01	0.04	-0.11
Energy	5.06	7.41	0.22	0.62	-0.03	0.06	0.01	0.04
Financials	16.70	21.61	3.64	4.57	-0.20	-0.07	0.05	-0.22
Health Care	7.44	8.38	1.73	1.24	0.04	0.02	0.00	0.05
Industrials	16.37	11.68	3.81	5.40	-0.19	0.10	-0.07	-0.16
Information Technology	9.69	8.38	5.35	4.20	0.10	0.01	0.01	0.12
Materials	7.75	7.63	2.39	3.06	-0.05	0.00	0.00	-0.05
Real Estate	7.27	3.47	1.92	-1.55	0.12	-0.18	0.13	0.07
Utilities	2.90	3.34	2.62	2.64	0.00	0.00	0.00	0.00
Other	0.03	0.00	1.20	0.00	0.00	0.00	0.00	0.00
Cash	0.57	0.00	0.00	0.00	0.00	-0.02	0.00	-0.02
Total	100.00	100.00	2.58	3.16	-0.68	-0.03	0.13	-0.59



IM International Large Cap Core Equity (MF)



Calculation based on monthly periodicity.

5th Percentile

1st Quartile

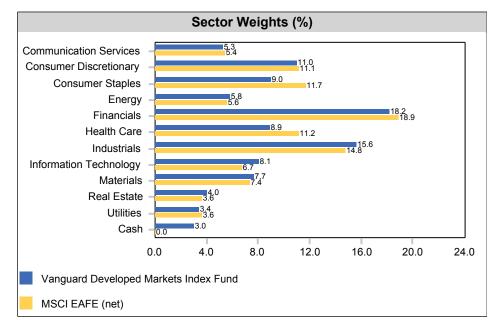
Population

Median 3rd Quartile

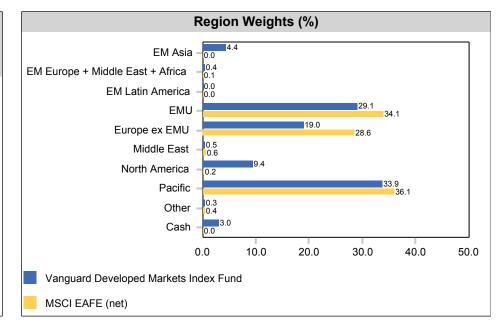


Vanguard Developed Markets Index Fund vs. MSCI EAFE (net)

Portfolio Characteristics						
	Portfolio	Benchmark				
Wtd. Avg. Mkt. Cap (\$M)	51,232	64,588				
Median Mkt. Cap (\$M)	1,623	10,228				
Price/Earnings ratio	14.39	14.84				
Price/Book ratio	2.16	2.26				
5 Yr. EPS Growth Rate (%)	8.80	8.06				
Current Yield (%)	3.32	3.58				
Number of Stocks	3,934	923				



Top Ten Equity Holdings						
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)			
CASH	3.03	0.00	3.03			
Nestle SA, Cham Und Vevey	1.73	2.27	-0.54			
Novartis AG	1.12	1.42	-0.30			
Roche Holding AG	1.10	1.42	-0.32			
Samsung Electronics Co Ltd	1.00	0.00	1.00			
Toyota Motor Corp	0.87	1.01	-0.14			
Royal Dutch Shell PLC	0.81	1.04	-0.23			
TOTAL SA	0.76	0.95	-0.19			
SAP SE	0.75	0.97	-0.22			
AIA Group Ltd	0.73	0.93	-0.20			
% of Portfolio	11.90	10.01	1.89			





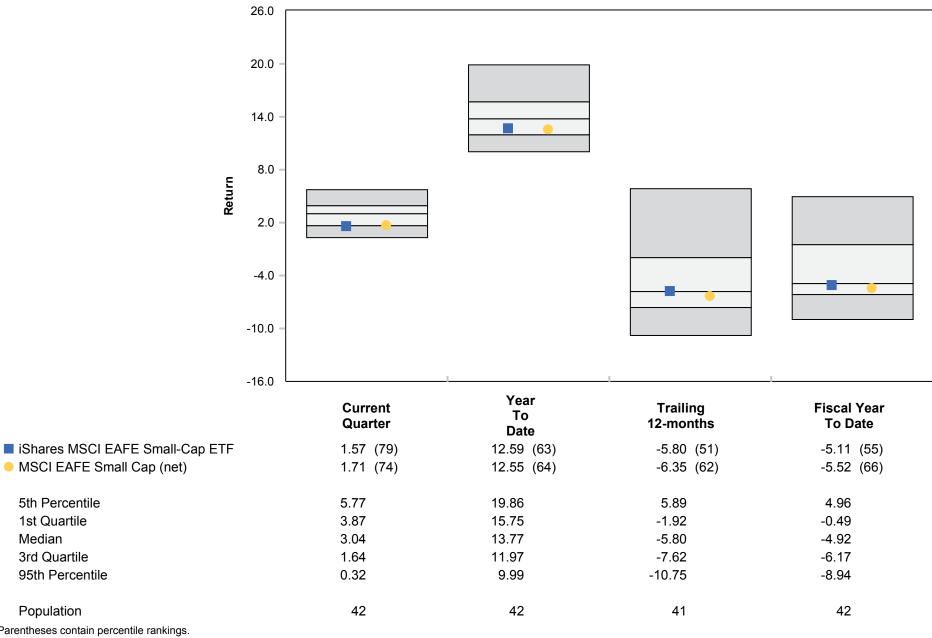
Vanguard Developed Markets Index Fund vs. MSCI EAFE (net)

Buy-and-Hold Portfolio	3.74
Portfolio Trading	-0.47
Actual Return	3.27
Benchmark Return	3.68
Actual Active Return	-0.41
Stock Selection	-0.28
Sector Selection	0.13
Interaction	-0.03
Total Selection	-0.18
Portfolio Trading	-0.47
Benchmark Trading	-0.24
Active Trading Impact	-0.24
Buy & Hold Active Return	-0.41

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	5.46	5.42	3.36	4.04	-0.04	0.00	0.00	-0.04
Consumer Discretionary	11.30	10.96	5.09	6.31	-0.13	0.01	0.00	-0.13
Consumer Staples	9.37	11.84	3.00	2.30	0.08	0.04	-0.02	0.11
Energy	6.22	5.85	0.39	0.52	-0.01	-0.01	0.00	-0.02
Financials	18.77	18.91	4.68	4.68	0.00	0.00	0.00	0.00
Health Care	9.26	11.27	1.68	2.11	-0.05	0.04	0.01	0.00
Industrials	15.76	14.36	5.13	6.08	-0.14	0.03	-0.01	-0.12
Information Technology	8.09	6.33	6.28	6.62	-0.02	0.05	-0.01	0.02
Materials	7.96	7.46	3.59	4.05	-0.03	0.00	0.00	-0.04
Real Estate	4.28	3.87	-0.80	-2.07	0.05	-0.02	0.01	0.03
Utilities	3.52	3.73	2.05	1.83	0.01	0.00	0.00	0.01
Other	0.01	0.00	1.20	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	3.74	3.92	-0.28	0.13	-0.03	-0.18



IM International Small Cap Core Equity (SA+CF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

5th Percentile

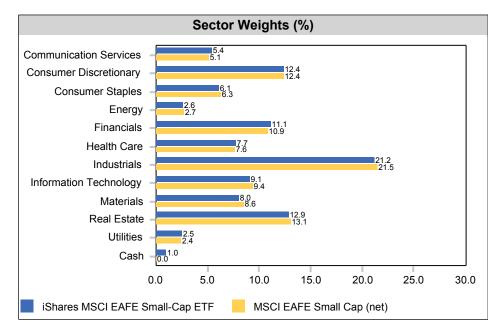
1st Quartile

Population

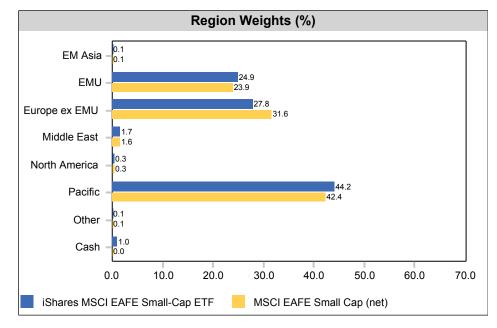
Median 3rd Quartile



Portfolio Characteristics						
Portfolio	Benchmark					
2,600	2,573					
1,354	1,016					
14.31	14.42					
2.16	2.15					
11.35	10.93					
2.96	2.97					
1,661	2,352					
1,001	2,352					
	Portfolio 2,600 1,354 14.31 2.16 11.35 2.96					



Top Ten Equity Holdings							
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)				
CASH	0.97	0.00	0.97				
LEG Immobilien AG	0.34	0.31	0.03				
Rightmove PLC	0.32	0.26	0.06				
Logitech International SA, Apples	0.31	0.28	0.03				
Hiscox Ltd	0.29	0.27	0.02				
GN Store Nord A/S	0.29	0.26	0.03				
Galapagos NV	0.26	0.24	0.02				
InterXion Holding NV	0.26	0.24	0.02				
Orpea, Puteaux	0.26	0.24	0.02				
Intermediate Capital Group PLC	0.26	0.22	0.04				
% of Portfolio	3.56	2.32	1.24				



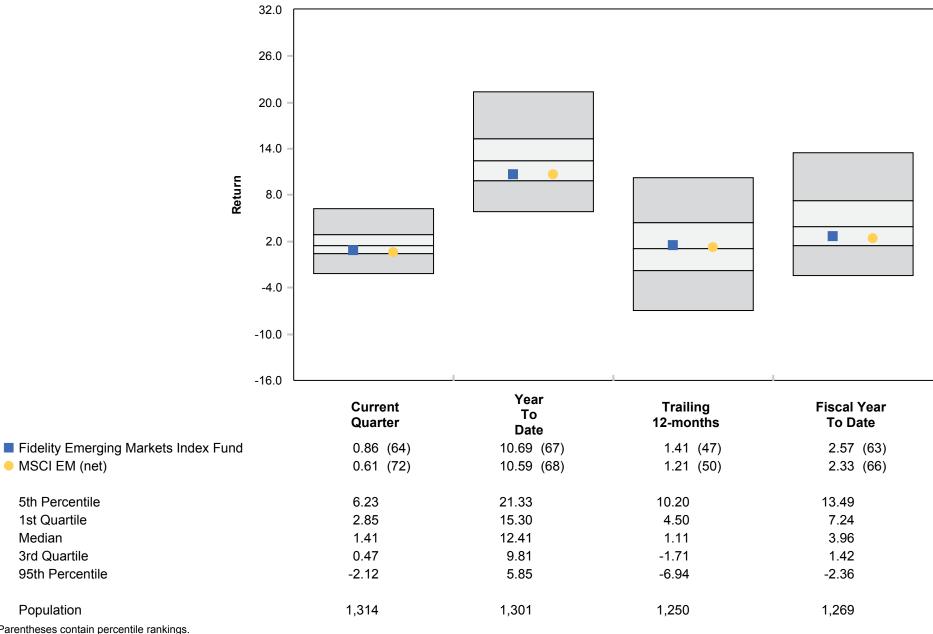
iShares MSCI EAFE Small-Cap ETF vs. MSCI EAFE Small Cap (net)

Buy-and-Hold Portfolio	2.15
Portfolio Trading	-0.57
Actual Return	1.57
Benchmark Return	1.71
Actual Active Return	-0.13
Stock Selection	0.07
Sector Selection	-0.01
Interaction	0.00
Total Selection	0.06
Portfolio Trading	-0.57
Benchmark Trading	-0.38
Active Trading Impact	-0.19
Buy & Hold Active Return	-0.13

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	4.87	4.74	2.60	3.11	-0.02	0.00	0.00	-0.02
Consumer Discretionary	12.81	12.91	-1.54	-1.66	0.01	0.00	0.00	0.02
Consumer Staples	6.49	6.53	-3.38	-2.56	-0.05	0.00	0.00	-0.05
Energy	2.59	2.69	-1.79	-3.74	0.05	0.01	0.00	0.06
Financials	11.53	11.21	1.57	1.61	-0.01	0.00	0.00	-0.01
Health Care	7.66	7.61	2.97	2.61	0.03	0.00	0.00	0.03
Industrials	21.97	21.30	3.14	2.92	0.05	0.01	0.00	0.05
Information Technology	9.44	9.89	7.82	8.20	-0.04	-0.03	0.00	-0.06
Materials	7.83	8.26	2.31	2.28	0.00	0.00	0.00	0.00
Real Estate	12.32	12.44	3.16	2.71	0.06	0.00	0.00	0.05
Utilities	2.43	2.36	3.08	3.35	-0.01	0.00	0.00	-0.01
Other	0.07	0.07	1.20	1.20	0.00	0.00	0.00	0.00
Cash	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	2.15	2.09	0.07	-0.01	0.00	0.06



IM Emerging Markets Equity (SA+CF+MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

Returns are net of fees and are expressed as percentages.

MSCI EM (net)

5th Percentile

95th Percentile

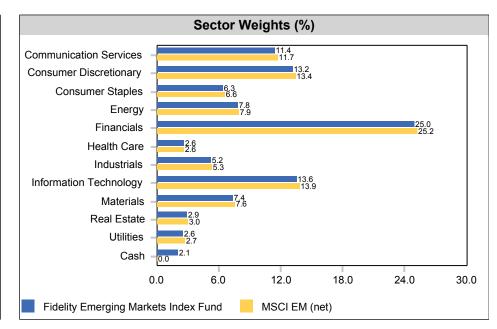
Population

1st Quartile

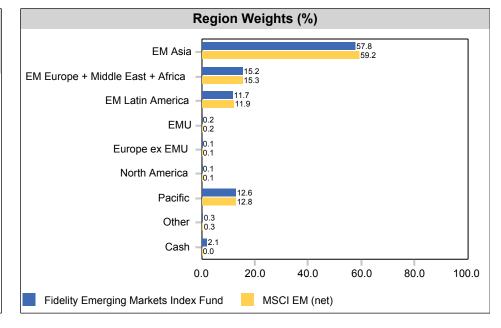
Median 3rd Quartile



Portfolio Characteristics					
	Portfolio	Benchmark			
Wtd. Avg. Mkt. Cap (\$M)	78,971	81,469			
Median Mkt. Cap (\$M)	5,426	5,440			
Price/Earnings ratio	12.10	12.00			
Price/Book ratio	2.27	2.28			
5 Yr. EPS Growth Rate (%)	13.83	14.02			
Current Yield (%)	3.01	3.01			
Number of Stocks	1,266	1,194			



Top Ten Equity Holdings								
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)					
Tencent Holdings LTD	4.58	4.67	-0.09					
Alibaba Group Holding Ltd	4.28	4.36	-0.08					
Samsung Electronics Co Ltd	3.44	3.51	-0.07					
Taiwan Semicon Manufctrg Co Ltd	3.37	3.44	-0.07					
CASH	2.06	0.00	2.06					
Naspers Ltd	1.88	1.92	-0.04					
China Construction Bank Corp	1.46	1.50	-0.04					
Ping An Insurance Group	1.21	1.21	0.00					
China Mobile Ltd	0.99	1.01	-0.02					
Housing Development Finance Corp	0.92	0.94	-0.02					
% of Portfolio	24.19	22.56	1.63					





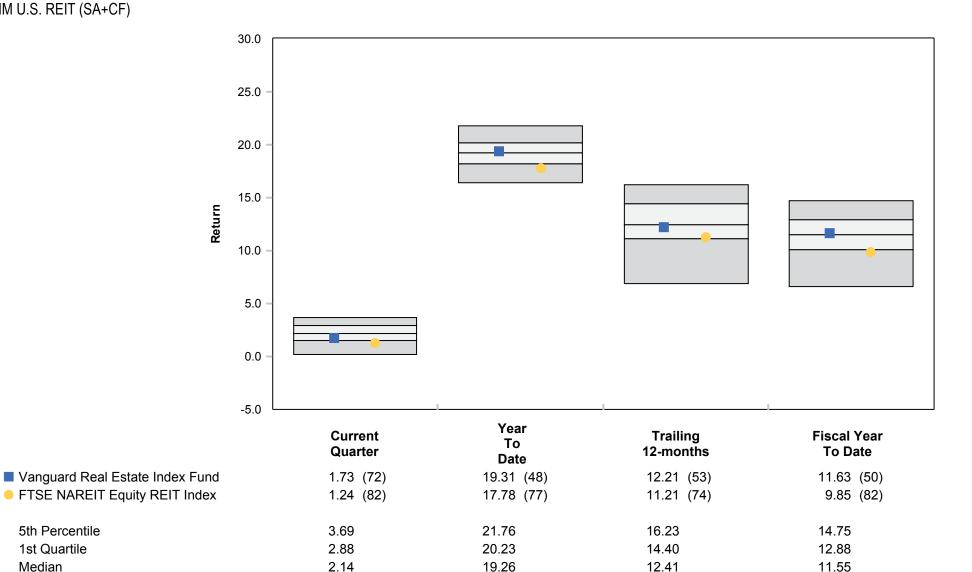
Fidelity Emerging Markets Index Fund vs. MSCI EM (net)

Buy-and-Hold Portfolio	0.76
Portfolio Trading	0.10
Actual Return	0.86
Benchmark Return	0.61
Actual Active Return	0.25
Stock Selection	0.00
Sector Selection	-0.03
Interaction	0.00
Total Selection	-0.03
Portfolio Trading	0.10
Benchmark Trading	-0.18
Active Trading Impact	0.28
Buy & Hold Active Return	0.25

	Allocation-04/01/2019		Performance-1 Quarter Ending June 30, 2019		Attribution			
	Portfolio	Benchmark	Portfolio	Benchmark	Stock	Sector	Interaction	Total
Communication Services	11.91	12.28	-2.42	-2.39	0.00	0.01	0.00	0.01
Consumer Discretionary	12.99	13.38	-1.05	-1.07	0.00	0.01	0.00	0.01
Consumer Staples	6.18	6.41	3.37	3.40	0.00	-0.01	0.00	-0.01
Energy	7.84	8.07	1.39	1.31	0.01	0.00	0.00	0.01
Financials	23.43	24.19	3.96	3.97	0.00	-0.02	0.00	-0.03
Health Care	2.56	2.64	-6.28	-6.88	0.02	0.01	0.00	0.02
Industrials	5.20	5.38	0.48	0.31	0.01	0.00	0.00	0.01
Information Technology	14.07	14.56	0.32	0.32	0.00	0.00	0.00	0.00
Materials	7.09	7.36	-0.67	-0.58	-0.01	0.00	0.00	0.00
Real Estate	3.03	3.17	-0.26	-0.14	0.00	0.00	0.00	0.00
Utilities	2.45	2.57	3.52	4.15	-0.02	0.00	0.00	-0.02
Cash	3.26	0.00	0.00	0.00	0.00	-0.03	0.00	-0.03
Total	100.00	100.00	0.76	0.79	0.00	-0.03	0.00	-0.03



IM U.S. REIT (SA+CF)



11.16

6.92

43

18.25

16.42

43

Parentheses contain percentile rankings. Calculation based on monthly periodicity.

5th Percentile

95th Percentile

Population

1st Quartile

Median 3rd Quartile

Returns are net of fees and are expressed as percentages.

1.48

0.23

43

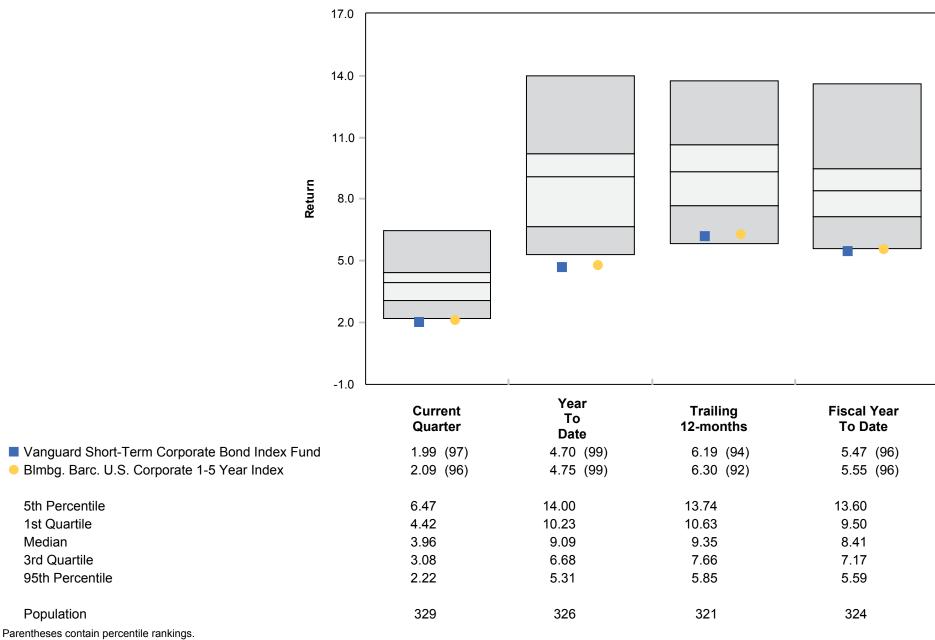


10.12

6.61

43

IM U.S. Corporate Bonds (MF)



Calculation based on monthly periodicity.

Returns are net of fees and are expressed as percentages.

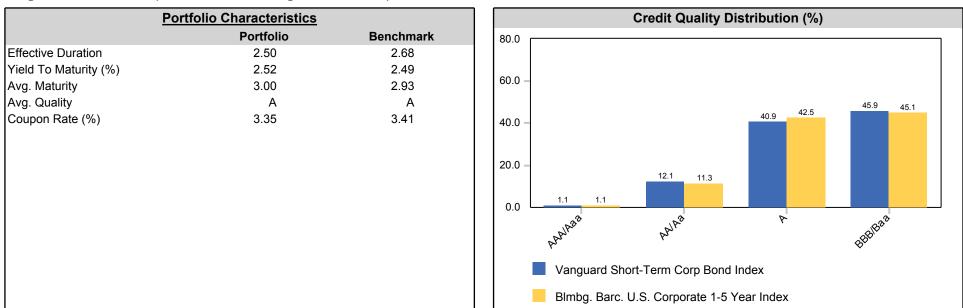
1st Quartile

Population

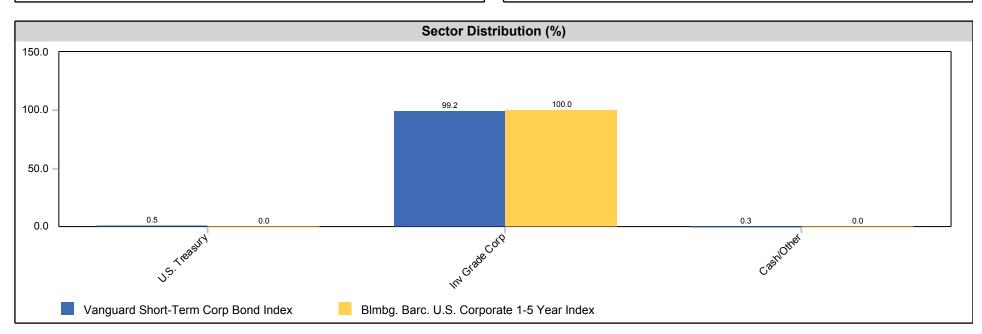
Median 3rd Quartile



# **Portfolio Characteristics**

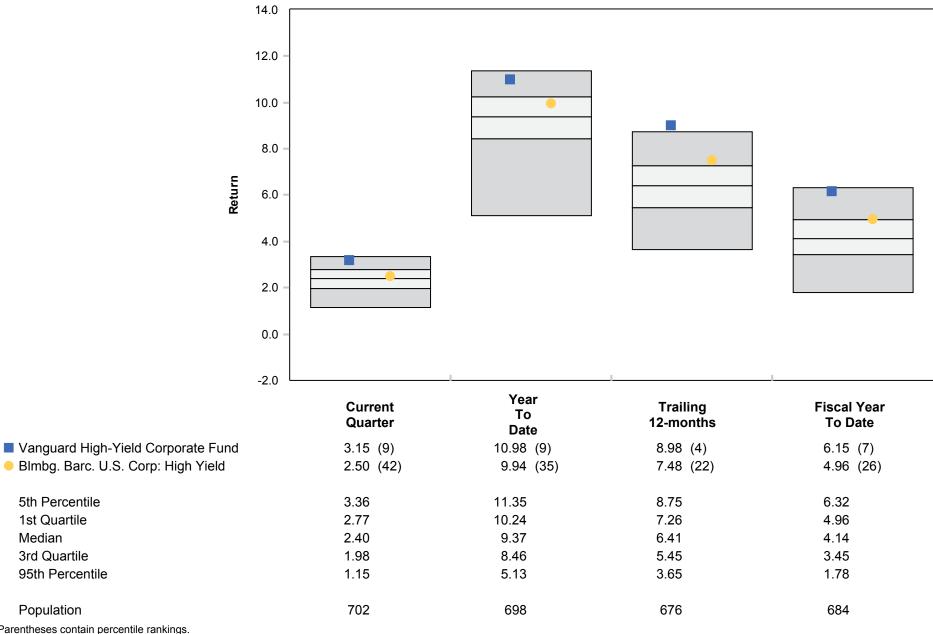


Vanguard Short-Term Corp Bond Index vs. Blmbg. Barc. U.S. Corporate 1-5 Year Index





IM U.S. High Yield Bonds (MF)



Parentheses contain percentile rankings. Calculation based on monthly periodicity.

Returns are net of fees and are expressed as percentages.

5th Percentile

1st Quartile

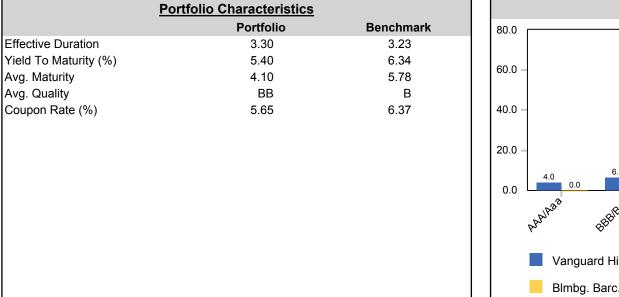
3rd Quartile

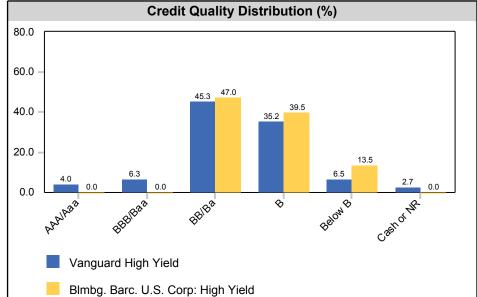
Population

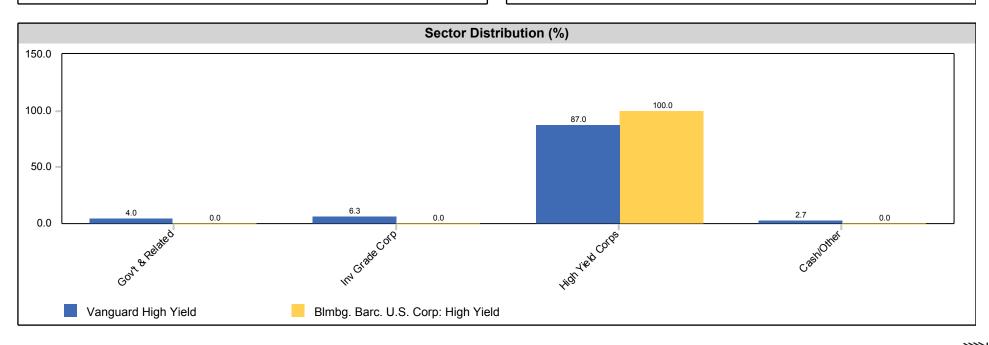
95th Percentile

Median

Vanguard High Yield vs. Blmbg. Barc. U.S. Corp: High Yield









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