

Full-Time and Part-Time Retirement and RMT Plans

September 30, 2022 Performance Report

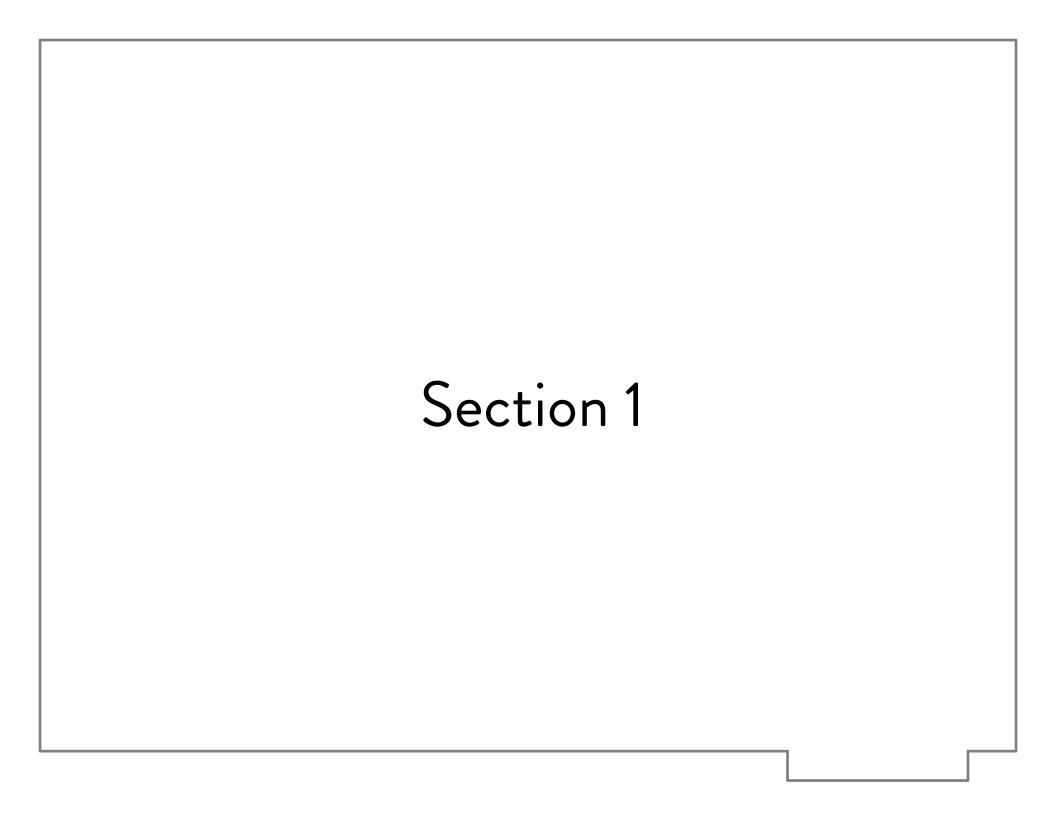
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# THIRD QUARTER 2022 MARKETS AND ECONOMIC UPDATE

### THE NOMINALLY OBSCURE MOLODOVKSY EFFECT

The Molodovsky Effect (ME) is typically not the first topic of conversation at financial planning sessions though the subject is relevant at this economic juncture. Stemming from Nicholas Molodovsky's 1953 article in the Financial Analysts Journal, the ME is the observation that price-to-earnings ratios of stocks (P/E) tend to increase in economic downturns. The supporting intuition is simple: if earnings drop more than prices during a recession, a P/E ratio may increase, leaving stocks more expensive than they started. Logical as this sounds, it may counter other market intuition, such as that stocks tend to fare well when they are cheap but they also fare well when the economy is recovering. How could stocks start out expensive but still provide above-average returns? Either way, is the ME still valid?<sup>1</sup>

The disconnect not notwithstanding, the ME observations have continued to hold accurate. To wit, US Large Cap Stocks have tended to provide above-average returns when the P/E was below-average. This same category of stocks has also averaged 9.9% for the first two years coming out of recessions since 1953 versus their average of 7.3% for the entire period. As for the ME's real-time accuracy, the P/E of the S&P Large Cap Composite Index has increased in nine of the eleven recessions from 1953 to present by an average of 12% (by 52% if you include the great financial crisis). What reconciles these seemingly conflicting tendencies? Likely the combination of improving sentiment bolstered by reduced borrowing costs found at the end of recessions. Earnings have tended to grow well above their long-term averages for the two years coming out of recessions while long-term interest rates tend to stay relatively low. The resulting combination of improving stock fundamentals which compare more favorably to bond yields can serve as a market tailwind. It is also worth considering that the stock market, as a forward-looking mechanism, tends to move ahead of improvement in the broader economy. As such, the P/E ratio tends to bottom before the end of a recession even though earnings have not, meaning that some of the ratio's increase relative to the ME may reflect increasing optimism.<sup>2</sup>

If the United States is currently in recession, the ME will get another chance to demonstrate its validity. Regardless of this, the market and economic history orbiting the ME is of greater practical insight to investors than the phenomenon itself; namely that market timing around recessions is a challenging endeavor. There is no rule around how long it takes for the National Bureau of Economic Research to declare a recession (it once took twenty-one months) or that it must be declared before it is over. Timing one's market exposure around such announcements could lead to selling after recessionary fears have been priced in or re-entering the market long after a rebound. Moving this subject to the present, the S&P 500 Index returned -23.9% for the first three quarters of 2022. Whether or not the stock market will end the year lower or if a recession will be declared by then, investors may note that valuations ended the third quarter at levels more in line with longer-term averages. Investors with an adequate time horizon and risk-tolerance may see this as reason enough to look beyond near-term recessionary fears.<sup>3</sup>

<sup>&</sup>lt;sup>1</sup>Sources: "A Theory of Price Earnings Ratios", Financial Analysts Journal, 1953; P/E ratio refers to the price of the S&P Composite Index divided by the trailing twelve months of nominal earnings, derived from data from Robert J. Shiller.

<sup>&</sup>lt;sup>2</sup> Sources: Robert J. Shiller S&P Data. St. Louis Federal Reserve, Standard and Poors, Morningstar.

<sup>&</sup>lt;sup>3</sup> Sources: National Bureau of Economic Research, JP Morgan.

#### GLOBAL ECONOMIC LANDSCAPE

- In October 2022, the International Monetary Fund lowered its global growth expectations for 2023 to 2.7%, down from 2.9% in July; its lowest since 2001. Within this was the expectation that over a third of the global economy will see two quarters of contraction while larger ones such as the United States, China, and the European Union will stall. These growth scenarios include a battery of negative scenarios including persistently high inflation, aggressive monetary policies, energy shortages in Europe, the war in Ukraine, and financial market fragility.<sup>4</sup>
- Treasury yields continued their climb throughout the third quarter of 2022 with the 10-year rising from 2.98% to 3.83%. The Federal Reserve's release of its economic projections on September 21, which forecast a federal funds rate of 4.6% for 2023, added fuel to the run-up. In contrast, market-based indicators of rate expectations (such as the fed fund futures) are pricing in moderately lower rates than what the Fed is expecting for the next several quarters.<sup>5</sup>
- US job openings fell by over one million in August 2022, their largest drop since April 2020 and eliciting speculation that the labor market may indeed be cooling. In agreement with economists' views that job openings may continue to decrease, some equity sector analysts have reported that companies may be closing out non-essential job openings, reducing the demand for labor and contrasting the Fed's view that an "extraordinarily" tight job market may tolerate additional rate increases.<sup>6</sup>
- September's inflation reading showed that the core Consumer Price Index increased 6.6% for the trailing year, its highest reading since 1982. Despite this high reading, forward-looking inflation expectations remain muted. Five-year inflation expectations implied from the US Treasury market ended the quarter at 2.14%, down from 2022's high of 3.59%. Part of the explanation for this divergence may be because corporations currently sit on high inventory levels. The extent to which this overstock crimps corporate demand and induces write-downs and discounted selling may work against inflation.<sup>7</sup>

#### **GLOBAL FINANCIAL MARKETS**

- Bond markets continued their collective slump, with the Bloomberg US and Global Aggregate Bond indexes returning -4.75% and -6.94% respectively for the third quarter. In partial offset, rising yields work against duration, leaving bonds marginally less sensitive to future rate increases. The durations of the US and international bond markets are 7% and 11% lower than they stood on September 30, 2021.8
- Going into the third quarter, a variety of leading indicators continue to bode ominously for the US stock market. A composite of consumer confidence, housing starts, manufacturing, and credit spreads, all of which tend to lead earnings growth in the S&P 500 suggest a year-over-

<sup>&</sup>lt;sup>4</sup> Source: International Monetary Fund, World Economic Outlook, "Countering the Cost-of-Living Crisis", October 2022.

<sup>&</sup>lt;sup>5</sup> Sources: Federal Reserve "Summary of Economic Projections", September 2022, and Morgan Stanley's "GIC Weekly" October 10, 2022.

<sup>&</sup>lt;sup>6</sup> Sources: Bloomberg "US Job Openings Drop to 10.1 Million, Lowest Since June 2021", October 4, 2022, and Morgan Stanley's "Job Gains Start to Fade", October 4, 2022.

<sup>&</sup>lt;sup>7</sup> Source: Morgan Stanley's "Monthly Perspectives", October 2022, Morgan Stanley's "Daily Positioning", October 13, 2022, and data from St. Louis Federal Reserve.

 $<sup>^{8}</sup>$  Source: JP Morgan's "Guide to the Markets", September 30, 2022.

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year earnings decline. Similarly, measures of corporate profitability such as the difference between final demand and wages as well as producer versus consumer prices imply that operating margins are likely to decline in the coming quarters.<sup>9</sup>

- Thirty-year mortgage rates ended the third quarter at 6.70%, rising by 1.00% over the three-month period to their highest level since 2007. Mortgage-backed securities ended the quarter trading at spreads well above their longer-term averages. The extent to which these valuations attract institutional investors may offset the upward price pressure stemming from monetary policy.<sup>10</sup>
- Exchange rates continued to exhibit extreme movements through the third quarter, with currency volatility at its highest in ten years, the US Dollar at its highest valuation in two decades, and the British Pound approaching a near all-time low. Many investors continue to be net long the US Dollar and decelerating global growth coupled with a still-tightening Federal Reserve may provide a further tailwind for the greenback.<sup>11</sup>

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The indices are unmanaged. An investor cannot invest directly in an index. They are shown for illustrative purposes only and do not represent the performance of any specific investment.

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<sup>&</sup>lt;sup>9</sup> Source: Morgan Stanley's "Monthly Perspectives", October 2022.

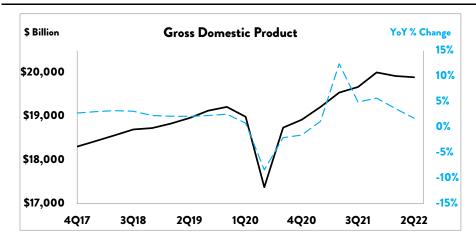
<sup>&</sup>lt;sup>10</sup> Sources: Data from St. Louis Federal Reserve, and Morgan Stanley's, "GIC Weekly", October 3, 2022.

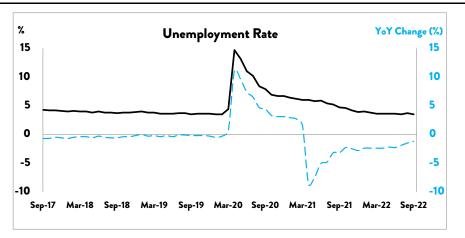
<sup>&</sup>lt;sup>11</sup> Source: Morgan Stanley's "Global Insights", October 12, 2022.

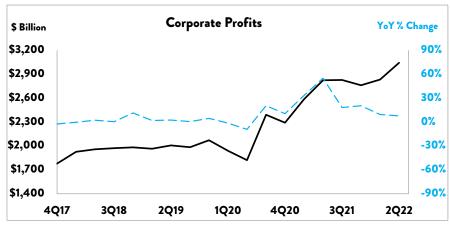
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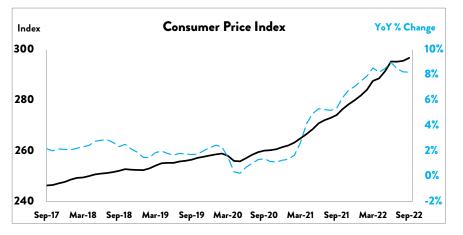
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# 3Q2022 Economic Data









Key:	 Economic	Series

--- Year-Over-Year Change

Labor Market Statistics (Monthly)										
Category	Recent	5-Yr High	5-Yr Low	5-Yr Avg.	Date					
Jobs Added/Lost Monthly	263,000	4,505,000	-20,493,000	100,100	Sep-22					
Unemployment Rate	3.5%	14.7%	3.5%	4.9%	Sep-22					
Median Unemployment Length (Weeks)	8.8	22.2	4.0	11.2	Sep-22					
Average Hourly Earnings	\$32.46	\$32.46	\$26.49	\$29.14	Sep-22					

Other Prices and Indexes (Monthly)								
Category	Recent	5-Yr High	5-Yr Low	% Off Peak	Date			
Gas: Price per Gallon	\$3.65	\$4.84	\$1.80	-24.6%	Sep-22			
Spot Oil	\$84.26	\$114.84	\$16.55	-26.6%	Sep-22			
Case-Shiller Home Price Index	314.8	316.2	201.0	56.6%*	Jul-22			
Medical Care CPI	557.4	557.4	477.7	16.7%*	Sep-22			

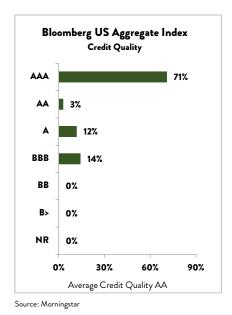
Source: Federal Reserve Bank of St. Louis and Bureau of Labor Statistics

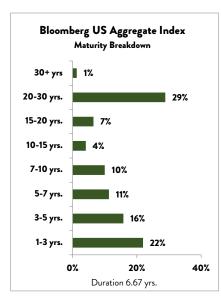
\*% Off Low Morningstar data as of 9/30/2022

# 3Q2022 Bond Market Data

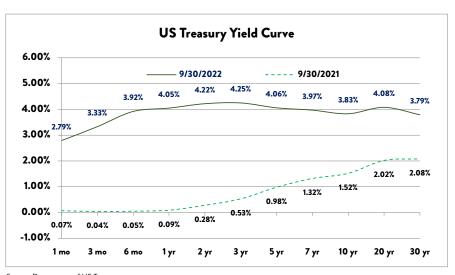
Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
90-Day T-Bill	0.67%	1.02%	1.04%	0.61%	1.16%	0.69%
Bloomberg US Aggregate	-4.75%	-14.61%	-14.60%	-3.26%	-0.27%	0.89%
Bloomberg Short US Treasury	0.28%	0.13%	0.11%	0.54%	1.13%	0.72%
Bloomberg Int. US Treasury	-3.08%	-8.70%	-9.23%	-1.72%	0.17%	0.59%
Bloomberg Long US Treasury	-9.63%	-28.84%	-26.65%	-8.51%	-1.62%	0.59%
Bloomberg US TIPS	-5.14%	-13.61%	-11.57%	0.79%	1.95%	0.98%
Bloomberg US Credit	-4.95%	-18.07%	-17.89%	-3.61%	-0.05%	1.58%
Bloomberg US Mortgage-Backed	-5.35%	-13.66%	-13.98%	-3.67%	-0.92%	0.51%
Bloomberg US Asset-Backed	-1.34%	-5.06%	-5.61%	-0.24%	1.02%	1.17%
Bloomberg US 20-Yr Municipal	-4.38%	-15.44%	-14.43%	-2.51%	0.69%	2.22%
Bloomberg US High Yield	-0.65%	-14.74%	-14.14%	-0.45%	1.57%	3.94%
Bloomberg Global	-6.94%	-19.89%	-20.43%	-5.74%	-2.32%	-0.93%
Bloomberg International	-8.85%	-23.88%	-24.77%	-7.78%	-4.03%	-2.39%
Bloomberg Emerging Market	-4.06%	-20.50%	-20.92%	-5.26%	-1.56%	1.39%

Source: Morningstar

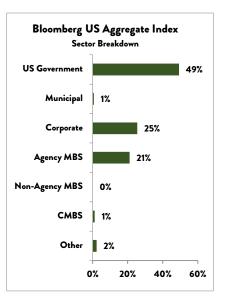




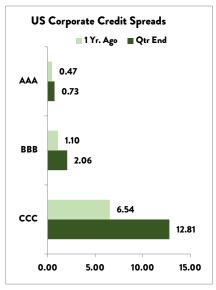
Source: Morningstar



Source: Department of US Treasury



Source: Morningstar



Source: Federal Reserve / Bank of America

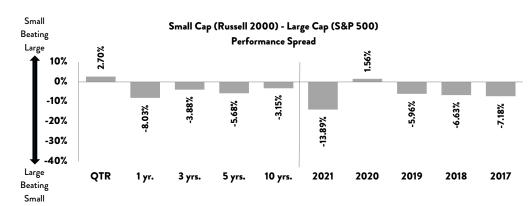
# 3Q2022 US Equity Market Data

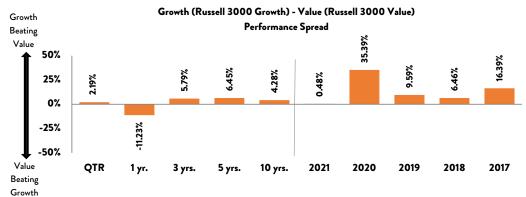
Sec	tors Weig	hts/Returns (ranked by qua	arter performanc	e)	
	Wgt.	Sector	QTR	YTD	1 yr.
	12%	Consumer Discretionary	4.36%	-29.89%	-20.89%
	5%	Energy	2.35%	34.94%	45.70%
	11%	Financials	-3.10%	-21.25%	-17.65%
S&P 500 Index	8%	Industrials	-4.72%	-20.72%	-13.87%
-	15%	Health Care	-5.18%	-13.08%	-3.37%
20	3%	Utilities	-5.99%	-6.51%	5.58%
88 P	26%	Information Technology	-6.21%	-31.44%	-20.00%
	7%	Consumer Staples	-6.62%	-11.83%	-0.09%
	3%	Materials	-7.13%	-23.74%	-12.15%
	3%	Real Estate	-11.03%	-28.85%	-16.37%
	8%	Communication Services	-12.72%	-39.04%	-39.05%
	Wgt.	Sector	QTR	YTD	1 yr.
	5%	Energy	5.53%	23.70%	27.20%
×	19%	Industrials	1.31%	-21.52%	-12.40%
nde	16%	Financials	0.54%	-11.51%	-5.29%
00	4%	Consumer Staples	-1.92%	-11.07%	-4.47%
p 4	12%	Information Technology	-2.15%	-27.28%	-21.28%
Midcap 400 Index	14%	Consumer Discretionary	-2.90%	-30.87%	-27.99%
Σ	2%	Communication Services	-3.60%	-23.68%	-25.77%
S&P /	10%	Health Care	-5.05%	-24.02%	-23.00%
	7%	Materials	-6.21%	-20.22%	-9.35%
	4%	Utilities	-9.61%	-10.55%	-0.60%
	8%	Real Estate	-9.67%	-29.00%	-18.94%
	Wgt.	Sector	QTR	YTD	1 yr.
	5%	Energy	-2.12%	22.78%	13.30%
×	19%	Financials	-2.59%	-19.80%	-15.46%
<u>e</u>	13%	Health Care	-4.04%	-26.68%	-27.95%
00	6%	Materials	-4.10%	-15.78%	-10.58%
S&P Smallcap 600 Index	13%	Consumer Discretionary	-4.20%	-34.92%	-32.49%
alc	16%	Industrials	-4.43%	-20.99%	-13.40%
Sm	13%	Information Technology	-4.44%	-28.17%	-20.33%
8 8 8	5%	Consumer Staples	-7.35%	-14.79%	-5.79%
	2%	Utilities	-8.47%	-12.86%	2.95%
	2%	Communication Services	-10.54%	-32.30%	-34.70%
	8%	Real Estate	-14.51%	-35.32%	-29.66%

Source: Morningstar

#### Index Performance Data

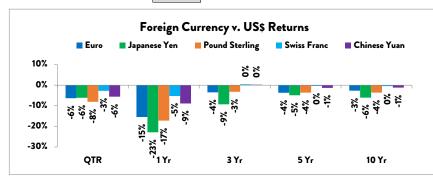
					Annualized	
Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
S&P 500	-4.88%	-23.87%	-15.47%	8.16%	9.24%	11.70%
Russell 1000 Value	-5.62%	-17.75%	-11.36%	4.36%	5.29%	9.17%
Russell 1000 Growth	-3.60%	-30.66%	-22.59%	10.67%	12.17%	13.70%
Russell Mid Cap	-3.44%	-24.27%	-19.39%	5.19%	6.48%	10.30%
Russell Mid Cap Value	-4.93%	-20.36%	-13.56%	4.50%	4.76%	9.44%
Russell Mid Cap Growth	-0.65%	-31.45%	-29.50%	4.26%	7.62%	10.85%
Russell 2000	-2.19%	-25.10%	-23.50%	4.29%	3.55%	8.55%
Russell 2000 Value	-4.61%	-21.12%	-17.69%	4.72%	2.87%	7.94%
Russell 2000 Growth	0.24%	-29.28%	-29.27%	2.94%	3.60%	8.81%
Russell 3000	-4.46%	-24.62%	-17.63%	7.70%	8.62%	11.39%
DJ US Select REIT	-10.37%	-29.32%	-17.15%	-3.29%	1.95%	5.49%





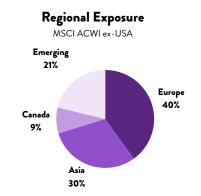
# 3Q2022 International Market Data

QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
-9.91%	-26.50%	-25.17%	-1.52%	-0.81%	3.01%
-9.36%	-27.09%	-25.13%	-1.83%	-0.84%	3.67%
-10.15%	-28.83%	-24.80%	-1.72%	-1.24%	3.45%
-10.76%	-18.65%	-14.08%	-1.73%	-1.06%	1.88%
-12.59%	-37.66%	-37.15%	-6.97%	-6.68%	1.25%
-8.88%	-29.07%	-24.03%	-1.45%	-0.36%	5.11%
-8.09%	-23.80%	-25.87%	-2.15%	-0.16%	4.11%
-7.67%	-26.38%	-29.30%	-2.65%	-0.63%	4.84%
-16.97%	-19.39%	-22.25%	-4.18%	-2.34%	3.60%
-6.74%	-18.09%	-16.37%	0.54%	2.40%	3.15%
-7.94%	-18.89%	-13.06%	4.12%	3.44%	3.00%
-11.57%	-27.16%	-28.11%	-2.07%	-1.81%	1.05%
3.61%	3.02%	0.24%	-3.39%	-2.64%	-2.28%
-14.03%	-28.82%	-29.51%	-0.81%	-1.07%	3.08%
-2.60%	-36.13%	-38.07%	-7.42%	-3.51%	-3.54%
-10.44%	-21.00%	-20.02%	-2.15%	-2.12%	1.87%
-9.37%	-31.84%	-30.22%	-1.38%	0.18%	3.95%
-8.37%	-29.37%	-28.93%	0.38%	-0.56%	4.44%
	-9.91% -9.36% -10.15% -10.76% -12.59% -8.88% -8.09% -7.67% -16.97% -6.74% -7.94% -11.57% 3.61% -14.03% -2.60% -10.44%	-9.91% -26.50% -9.36% -27.09% -10.15% -28.83% -10.76% -18.65% -12.59% -37.66% -8.88% -29.07% -8.09% -23.80% -7.67% -26.38% -16.97% -19.39% -6.74% -18.09% -7.94% -18.89% -11.57% -27.16% 3.61% 3.02% -14.03% -28.82% -2.60% -36.13% -10.44% -21.00% -9.37% -31.84%	-9.91%         -26.50%         -25.17%           -9.36%         -27.09%         -25.13%           -10.15%         -28.83%         -24.80%           -10.76%         -18.65%         -14.08%           -12.59%         -37.66%         -37.15%           -8.88%         -29.07%         -24.03%           -8.09%         -23.80%         -25.87%           -7.67%         -26.38%         -29.30%           -16.97%         -19.39%         -22.25%           -6.74%         -18.09%         -16.37%           -7.94%         -18.89%         -13.06%           -11.57%         -27.16%         -28.11%           3.61%         3.02%         0.24%           -14.03%         -28.82%         -29.51%           -2.60%         -36.13%         -38.07%           -10.44%         -21.00%         -20.02%           -9.37%         -31.84%         -30.22%	-9.91%         -26.50%         -25.17%         -1.52%           -9.36%         -27.09%         -25.13%         -1.83%           -10.15%         -28.83%         -24.80%         -1.72%           -10.76%         -18.65%         -14.08%         -1.73%           -12.59%         -37.66%         -37.15%         -6.97%           -8.88%         -29.07%         -24.03%         -1.45%           -8.09%         -23.80%         -25.87%         -2.15%           -7.67%         -26.38%         -29.30%         -2.65%           -16.97%         -19.39%         -22.25%         -4.18%           -6.74%         -18.09%         -16.37%         0.54%           -7.94%         -18.89%         -13.06%         4.12%           -11.57%         -27.16%         -28.11%         -2.07%           3.61%         3.02%         0.24%         -3.39%           -14.03%         -28.82%         -29.51%         -0.81%           -2.60%         -36.13%         -38.07%         -7.42%           -10.44%         -21.00%         -20.02%         -2.15%           -9.37%         -31.84%         -30.22%         -1.38%	-9.91%         -26.50%         -25.17%         -1.52%         -0.81%           -9.36%         -27.09%         -25.13%         -1.83%         -0.84%           -10.15%         -28.83%         -24.80%         -1.72%         -1.24%           -10.76%         -18.65%         -14.08%         -1.73%         -1.06%           -12.59%         -37.66%         -37.15%         -6.97%         -6.68%           -8.88%         -29.07%         -24.03%         -1.45%         -0.36%           -8.09%         -23.80%         -25.87%         -2.15%         -0.16%           -7.67%         -26.38%         -29.30%         -2.65%         -0.63%           -16.97%         -19.39%         -22.25%         -4.18%         -2.34%           -6.74%         -18.09%         -16.37%         0.54%         2.40%           -7.94%         -18.89%         -13.06%         4.12%         3.44%           -11.57%         -27.16%         -28.11%         -2.07%         -1.81%           3.61%         3.02%         0.24%         -3.39%         -2.64%           -14.03%         -28.82%         -29.51%         -0.81%         -1.07%           -2.60%         -36.13%         -38



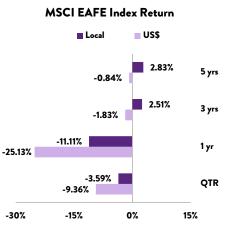
Exchange Rates	QTR	2Q22	1Q22	4Q21	3Q21	2Q21
Japanese Yen	144.71	135.69	121.44	115.17	111.50	111.05
Euro	1.02	0.96	0.90	0.88	0.86	0.84
British Pound	0.90	0.82	0.76	0.74	0.74	0.72
Swiss Franc	0.98	0.96	0.92	0.91	0.93	0.93
Chinese Yuan	7.11	6.70	6.34	6.37	6.44	6.46

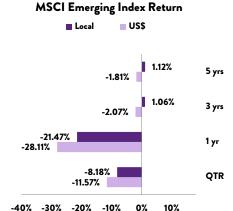
Source: Federal Reserve Bank of St. Louis

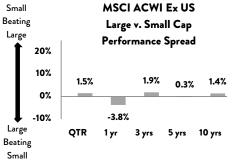


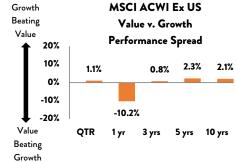


Source: Morningstar









Performance Source: Morningstar

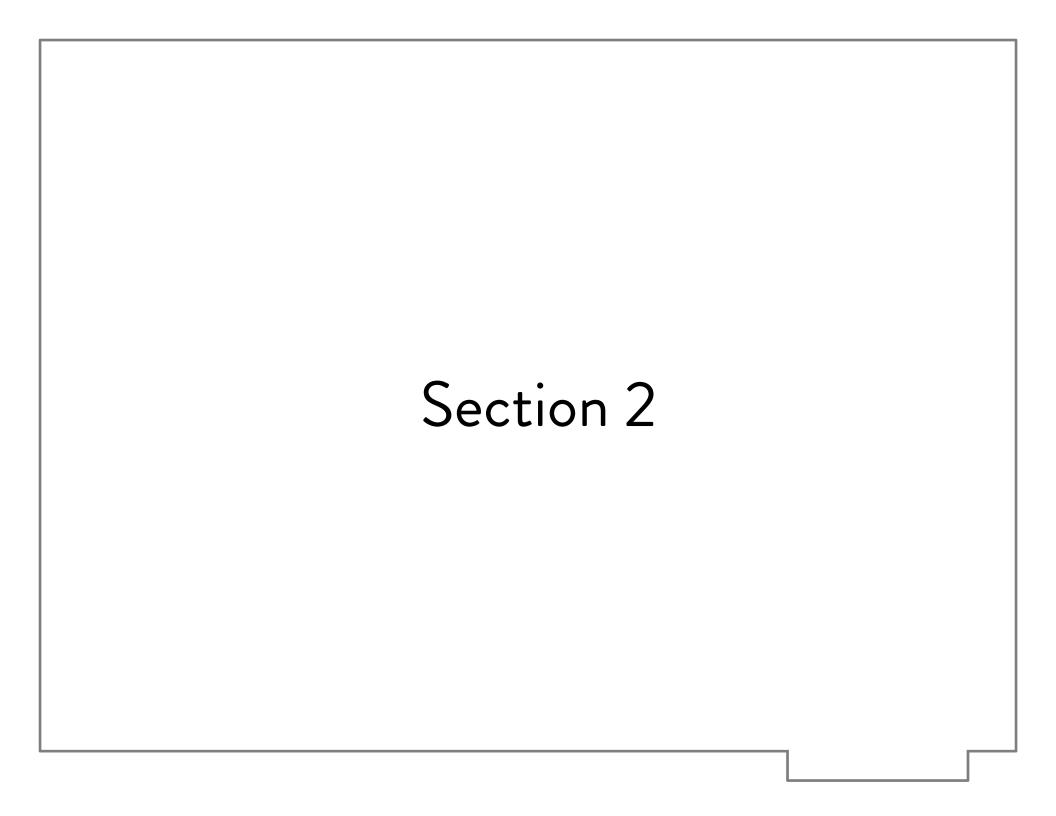
## Historical Market Returns

Ranked by Performance

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	3Q22
Emerging Markets 39.42%	US Bonds 5.24%	Emerging Markets 78.51%	Small Cap 26.85%	Core Real Estate 14.96%	Emerging Markets 18.22%	Small Cap 38.82%	Large Cap 13.68%	Core Real Estate 13.95%	Small Cap 21.30%	Emerging Markets 37.28%	Core Real Estate 7.36%	Large Cap 31.49%	Small Cap 19.96%	Large Cap 28.71%	Commod. 13.57%	Cash 0.67%
Intl 16.65%	Global Bonds 4.79%	High Yield 58.21%	Mid Cap 25.48%	TIPS 13.56%	Mid Cap 17.28%	Mid Cap 34.76%	Mid Cap 13.21%	Large Cap 1.38%	High Yield 17.12%	Intl 27.19%	Cash 1.69%	Mid Cap 30.54%	Large Cap 18.40%	Commod. 27.11%	Core Real Estate 12.40%	Core Real Estate 0.35%
Commod. 16.23%	Cash 1.39%	Intl 41.45%	Emerging Markets 18.88%	US Bonds 7.84%	Intl 16.83%	Large Cap 32.39%	Core Real Estate 11.44%	US Bonds 0.55%	Mid Cap 13.79%	Large Cap 21.83%	US Bonds 0.01%	Small Cap 25.52%	Emerging Markets 18.31%	Mid Cap 22.58%	Cash 1.02%	High Yield -0.65%
Core Real Estate 14.84%	TIPS -2.35%	Mid Cap 40.48%	Commod. 16.83%	Global Bonds 5.64%	Small Cap 16.35%	Intl 15.29%	US Bonds 5.97%	Cash 0.03%	Large Cap 11.95%	Mid Cap 18.52%	Global Bonds -1.20%	Intl 21.51%	Mid Cap 17.10%	Core Real Estate 21.06%	TIPS -13.61%	Small Cap -2.19%
TIPS 11.64%	Core Real Estate -10.70%	Small Cap 27.17%	Core Real Estate 15.26%	High Yield 4.98%	Large Cap 16.00%	Global Balanced 14.46%	Small Cap 4.89%	TIPS -1.43%	Commod. 11.76	Global Balanced 15.87%	TIPS -1.26%	Global Balanced 18.86%	Global Balanced 13.93%	Small Cap 14.82%	US Bonds -14.61%	Mid Cap -3.44%
Global Bonds 9.48%	Global Balanced -24.51%	Large Cap 26.46%	High Yield 15.12%	Large Cap 2.11%	High Yield 15.81%	Core Real Estate 12.95%	TIPS 3.64%	Global Balanced -1.45%	Emerging Markets 11.18%	Small Cap 14.65%	High Yield -2.08%	Emerging Markets 18.42%	TIPS 10.99%	Global Balanced 10.94%	High Yield -14.74%	Commod4.11%
Global Balanced 9.07%	High Yield -26.16%	Global Balanced 20.49%	Large Cap 15.06%	Cash 0.06%	Global Balanced 11.06%	High Yield 7.44%	Global Balanced 3.17%	Mid Cap -2.43%	Core Real Estate 7.76%	High Yield 7.50%	Large Cap -4.38%	High Yield 14.32%	Intl 10.65%	Intl 7.82%	Global Bonds -19.89%	US Bonds -4.75%
US Bonds 6.97%	Small Cap -33.79%	Commod. 18.91%	Intl 11.15%	Global Balanced -0.97%	Core Real Estate 9.76%	Cash 0.07%	High Yield 2.45%	Global Bonds -3.15%	Global Balanced 5.38%	Global Bonds 7.39%	Global Balanced -5.30%	US Bonds 8.72%	Global Bonds 9.20%	TIPS 5.96%	Global Balanced -22.23%	Large Cap -4.88%
Mid Cap 5.60%	Commod35.65%	TIPS 11.41%	Global Balanced 9.40%	Mid Cap -1.55%	TIPS 6.98%	US Bonds -2.02%	Global Bonds 0.59%	Small Cap -4.41%	TIPS 4.68%	Core Real Estate 6.66%	Mid Cap -9.06%	TIPS 8.43%	US Bonds 7.51%	High Yield 5.28%	Large Cap -23.87%	TIPS -5.14%
Large Cap 5.49%	Large Cap -37.00%	Global Bonds 6.93%	US Bonds 6.54%	Small Cap -4.18%	Global Bonds 4.32%	Global Bonds -2.60%	Cash 0.04%	High Yield -4.46%	Intl 4.50%	US Bonds 3.54%	Small Cap -11.01%	Commod. 7.69%	High Yield 7.11%	Cash 0.05%	Mid Cap -24.27%	Global Balanced -6.11%
Cash 4.44%	Mid Cap -41.46%	US Bonds 5.93%	TIPS 6.31%	Commod13.32%	US Bonds 4.21%	Emerging Markets -2.60%	Emerging Markets -2.18%	Intl -5.66%	US Bonds 2.65%	TIPS 3.01%	Commod. -11.25%	Global Bonds 6.84%	Cash 0.37%	US Bonds -1.54%	Small Cap -25.10%	Global Bonds -6.94%
High Yield 1.87%	Intl -45.53%	Cash 0.16%	Global Bonds 5.54%	Intl -13.71%	Cash 0.08%	TIPS -8.61%	Intl -3.86%	Emerging Markets -14.90%	Global Bonds 2.09%	Commod. 1.70%	Intl -14.20%	Core Real Estate 4.41%	Core Real Estate 0.35%	Emerging Markets -2.54%	Intl -26.50%	Intl -9.91%
Small Cap -1.57%	Emerging Markets -53.33%	Core Real Estate -30.40%	Cash 0.15%	Emerging Markets -18.42%	Commod. -1.06%	Commod. -9.52%	Commod. -17.00%	Commod24.60%	Cash 0.25%	Cash 0.71%	Emerging Markets -14.58%	Cash 2.30%	Commod. -3.12%	Global Bonds -4.71%	Emerging Markets -27.16%	Emerging Markets -11.57%

Global Balanced is composed of 60% MSCI World Stock Index, 35% BBgBarc Global Aggregate Bond Index, and 5% US 90-Day T-Bills.

Source: Morningstar; Core Real Estate Source: NCREIF



# **PLAN ASSET ALLOCATION**

Full-Time Plans - Combined

Third Quarter 2022

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$277,632,990	21.1%
Voya Fixed Account	-	\$85,597,897	6.5%
Voya Government Money Market A	VYAXX	\$12,765	0.0%
Sterling Capital Total Return Bond R6	STRDX	\$29,548,833	2.2%
Fidelity US Bond Index	FXNAX	\$9,134,810	0.7%
Fidelity Intermediate Treasury Bond Index	FUAMX	\$1,636,221	0.1%
	Total	\$403,563,516	30.7%

Large Cap	Ticker	Assets	%
Fidelity 500 Index	FXAIX	\$134,842,433	10.3%
Hartford Core Equity R6	HAITX	\$120,690,922	9.2%
	Total	\$255,533,356	19.4%

Mid Cap	Ticker	Assets	%
Fidelity Mid Cap Index	FSMDX	\$65,273,311	5.0%
Baron Growth Instl	BGRIX	\$39,498,297	3.0%
	Total	\$104,771,608	8.0%

Small Cap	Ticker	Assets	%
Hartford Schroders US Small Cap Opps SDR	SCURX	\$10,067,241	0.8%
Fidelity Small Cap Index	FSSNX	\$40,011,464	3.0%
	Total	\$50,078,705	3.8%

International	Ticker	Assets	%
MFS International Diversification R6	MDIZX	\$46,788,860	3.6%
Fidelity Total International Index	FTIHX	\$29,807,630	2.3%
	Total	\$76,596,490	5.8%

Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$38,991,081	3.0%
Moderate Allocation Portfolio	-	\$79,537,609	6.1%
Aggressive Allocation Portfolio	-	\$57,730,780	4.4%
Vanguard Target Retirement Income	VTINX	\$6,913,113	0.5%
Vanguard Target Retirement 2020	VTWNX	\$29,804,483	2.3%
Vanguard Target Retirement 2025	VTTVX	\$3,075,010	0.2%
Vanguard Target Retirement 2030	VTHRX	\$61,970,214	4.7%
Vanguard Target Retirement 2035	VTTHX	\$2,882,556	0.2%
Vanguard Target Retirement 2040	VFORX	\$60,100,555	4.6%
Vanguard Target Retirement 2045	VTIVX	\$2,108,250	0.2%
Vanguard Target Retirement 2050	VFIFX	\$43,964,220	3.3%
Vanguard Target Retirement 2055	VFFVX	\$1,525,296	0.1%
Vanguard Target Retirement 2060	VTTSX	\$1,328,416	0.1%
Vanguard Target Retirement 2065	VLXVX	\$763,493	0.1%
Vanguard Target Retirement 2070	VSVNX	\$1,984	0.0%
	Total	\$390,697,061	29.7%

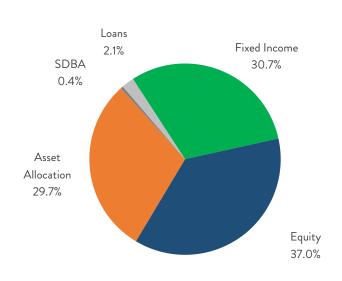
Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$5,520,460	0.4%
Participant Loans	-	\$27,753,800	2.1%
	Total	\$33,274,260	2.5%

**TOTAL PLAN ASSETS** 

\$1,314,514,996

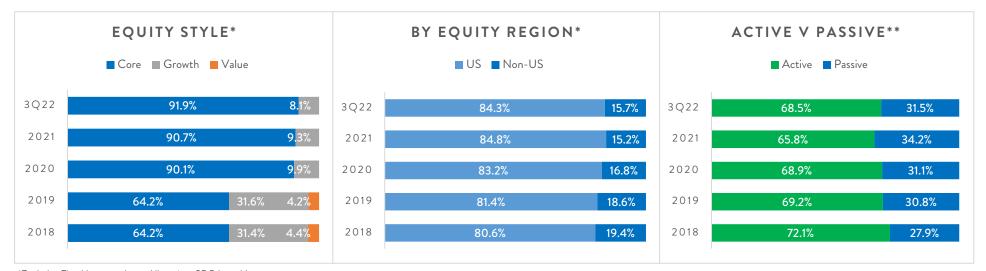
Full-Time Plans - Combined

Third Quarter 2022



#### HISTORICAL PLAN ALLOCATION

Asset Class	3Q22	2021	2020	2019	2018	2017	2016	2015
Fixed Income	30.7%	25.7%	29.1%	29.9%	33.8%	N/A	N/A	N/A
Large Cap	19.4%	21.9%	20.4%	20.2%	19.0%	N/A	N/A	N/A
Mid Cap	8.0%	9.7%	9.3%	8.5%	4.9%	N/A	N/A	N/A
Small Cap	3.8%	4.2%	4.1%	4.3%	6.7%	N/A	N/A	N/A
International	5.8%	6.4%	6.8%	7.5%	7.3%	N/A	N/A	N/A
Asset Allocation	29.7%	29.9%	27.9%	26.7%	25.0%	N/A	N/A	N/A
SDBA	0.4%	0.4%	0.3%	0.2%	0.2%	N/A	N/A	N/A
Loans	2.1%	1.8%	2.2%	2.7%	3.0%	N/A	N/A	N/A



<sup>\*</sup>Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

<sup>\*\*</sup>Excludes Asset Allocation, SDBA, and Loan assets

Full-Time Plans - Combined

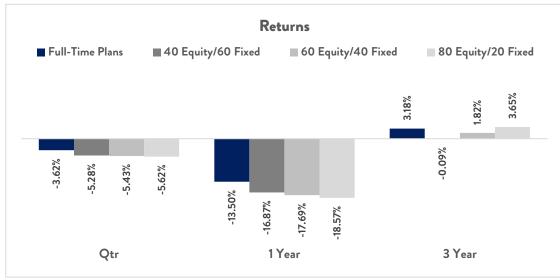
Third Quarter 2022

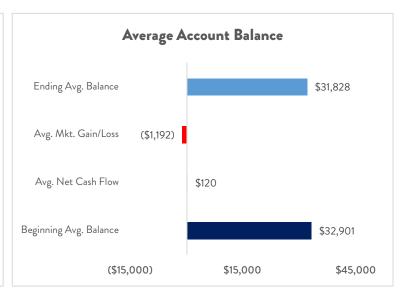
#### **PLAN LEVEL CASH FLOWS**

PLAN LEVEL C	LAN LEVEL CASH FLOWS							
		Cash Flow	Cash Flow		Market			
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value		
Fixed Income	\$404,957,783	\$8,198,404	(\$7,991,686)	(\$1,101,550)	(\$499,436)	\$403,563,516		
Large Cap	\$267,973,094	\$3,517,230	(\$4,382,107)	\$679,600	(\$12,254,461)	\$255,533,356		
Mid Cap	\$108,903,374	\$1,747,694	(\$1,773,933)	(\$1,170,834)	(\$2,934,693)	\$104,771,608		
Small Cap	\$51,581,303	\$1,081,870	(\$547,748)	(\$506,913)	(\$1,529,808)	\$50,078,705		
International	\$83,970,093	\$1,522,048	(\$1,252,567)	\$638,411	(\$8,281,495)	\$76,596,490		
Asset Allocation	\$407,059,372	\$10,927,093	(\$6,213,127)	\$1,490,253	(\$22,566,530)	\$390,697,061		
SDBA	\$5,689,637	\$0	\$0	(\$28,966)	(\$140,210)	\$5,520,460		
Total	\$1,330,134,657	\$26,994,340	(\$22,161,168)	\$0	(\$48,206,633)	\$1,286,761,196		

#### HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
3Q22	\$1,330,134,657	\$4,833,172	(\$48,206,633)	\$1,286,761,196
YTD	\$1,532,878,892	\$20,504,282	(\$266,621,977)	\$1,286,761,196
2021	\$1,338,628,506	\$24,876,764	\$169,373,622	\$1,532,878,892
2020	\$1,169,929,608	\$27,232,766	\$141,466,131	\$1,338,628,506
2019	\$971,095,953	\$24,227,438	\$174,606,217	\$1,169,929,608
2018	N/A	N/A	N/A	\$971,095,953
2017	N/A	N/A	N/A	N/A





Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

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## **PLAN ASSET ALLOCATION**

Assets

\$26,975,269

457 Deferred Compensation Plan

Third Quarter 2022

2.9%

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$226,108,498	24.4%
Sterling Capital Total Return Bond R6	STRDX	\$24,970,947	2.7%
Fidelity US Bond Index	FXNAX	\$8,318,136	0.9%
Fidelity Intermediate Treasury Bond Index	FUAMX	\$1,124,091	0.1%
	Total	\$260,521,672	28.2%

Ticker	Assets	%
MDIZX	\$39,460,815	4.3%
FTIHX	\$25,866,270	2.8%
Total	\$65,327,085	7.1%
	MDIZX FTIHX	MDIZX \$39,460,815 FTIHX \$25,866,270

Ticker

Large Cap	Ticker	Assets	%
Fidelity 500 Index	FXAIX	\$108,175,495	11.7%
Hartford Core Equity R6	HAITX	\$95,201,917	10.3%
	Total	\$203,377,411	22.0%

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11.7%	Ą
10.3%	V
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**Asset Allocation** 

Conservative Allocation Portfolio

Aggressive Allocation Portfolio	-	\$
Vanguard Target Retirement Income	VTINX	9
Vanguard Target Retirement 2020	VTWNX	9
Vanguard Target Retirement 2025	VTTVX	
Vanguard Target Retirement 2030	VTHRX	\$
Vanguard Target Retirement 2035	VTTHX	9

Mid Cap	Ticker	Assets	%
Fidelity Mid Cap Index	FSMDX	\$50,700,936	5.5%
Baron Growth Instl	BGRIX	\$31,244,921	3.4%
	Total	\$81,945,858	8.9%

	Total	\$243,709,564	26.3%
Vanguard Target Retirement 2070	VSVNX	\$1,984	0.0%
Vanguard Target Retirement 2065	VLXVX	\$674,234	0.1%
Vanguard Target Retirement 2060	VTTSX	\$1,106,013	0.1%
Vanguard Target Retirement 2055	VFFVX	\$1,026,255	0.1%
Vanguard Target Retirement 2050	∨FIFX	\$33,138,164	3.6%
Vanguard Target Retirement 2045	VTIVX	\$1,383,594	0.1%
Vanguard Target Retirement 2040	VFORX	\$29,910,888	3.2%
Vanguard Target Retirement 2035	VTTHX	\$1,872,349	0.2%
Vanguard Target Retirement 2030	VTHRX	\$23,779,772	2.6%
Vanguard Target Retirement 2025	VTTVX	\$2,284,163	0.2%
Vanguard Target Retirement 2020	VTWNX	\$11,337,642	1.2%
Vanguard Target Retirement Income	VTINX	\$4,759,198	0.5%
Aggressive Allocation Portfolio	-	\$45,500,278	4.9%
Moderate Allocation Portfolio	-	\$59,959,762	6.5%

Small Cap	Ticker	Assets	%
Hartford Schroders US Small Cap Opps SDR	SCURX	\$8,460,764	0.9%
Fidelity Small Cap Index	FSSNX	\$31,854,625	3.4%
	Total	\$40,315,389	4.4%

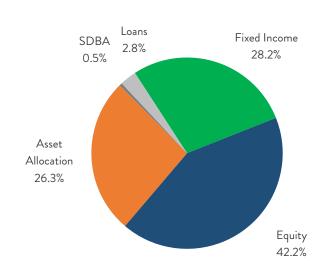
Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$4,339,123	0.5%
Participant Loans	-	\$25,939,179	2.8%
	Total	\$30,278,302	3.3%

**TOTAL PLAN ASSETS** 

\$925,475,281

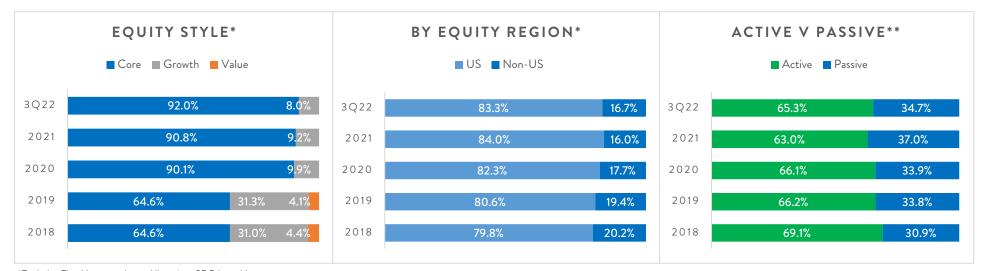
457 Deferred Compensation Plan

Third Quarter 2022



#### HISTORICAL PLAN ALLOCATION

Asset Class	3Q22	2021	2020	2019	2018	2017	2016	2015
Fixed Income	28.2%	23.2%	26.4%	26.5%	30.2%	N/A	N/A	N/A
Large Cap	22.0%	24.5%	22.7%	22.6%	21.4%	N/A	N/A	N/A
Mid Cap	8.9%	10.8%	10.4%	9.5%	8.3%	N/A	N/A	N/A
Small Cap	4.4%	4.7%	4.6%	4.9%	4.7%	N/A	N/A	N/A
International	7.1%	7.6%	8.1%	8.9%	8.7%	N/A	N/A	N/A
Asset Allocation	26.3%	26.4%	24.6%	24.0%	22.5%	N/A	N/A	N/A
SDBA	0.5%	0.4%	0.3%	0.2%	0.3%	N/A	N/A	N/A
Loans	2.8%	2.4%	2.8%	3.5%	3.9%	N/A	N/A	N/A



<sup>\*</sup>Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

<sup>\*\*</sup>Excludes Asset Allocation, SDBA, and Loan assets

457 Deferred Compensation Plan

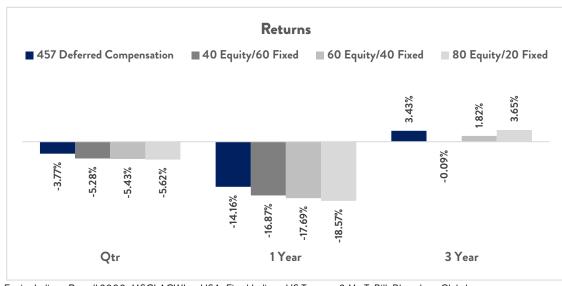
Third Quarter 2022

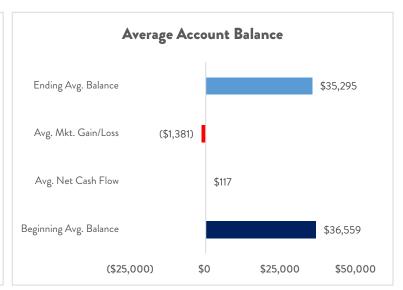
#### **PLAN LEVEL CASH FLOWS**

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$261,919,799	\$2,684,444	(\$5,457,549)	\$2,084,696	(\$709,718)	\$260,521,672
Large Cap	\$212,638,738	\$2,830,631	(\$2,958,412)	\$660,278	(\$9,793,824)	\$203,377,411
Mid Cap	\$85,375,217	\$1,378,845	(\$1,436,561)	(\$1,065,245)	(\$2,306,397)	\$81,945,858
Small Cap	\$41,553,331	\$854,915	(\$443,931)	(\$402,165)	(\$1,246,762)	\$40,315,389
International	\$71,350,831	\$1,292,223	(\$972,496)	\$728,012	(\$7,071,484)	\$65,327,085
Asset Allocation	\$254,442,517	\$8,946,106	(\$3,742,817)	(\$2,002,794)	(\$13,933,447)	\$243,709,564
SDBA	\$4,465,607	\$0	\$0	(\$2,781)	(\$123,703)	\$4,339,123
Total	\$931,746,039	\$17,987,164	(\$15,011,767)	\$0	(\$35,185,335)	\$899,536,102

#### **HISTORICAL PLAN CASH FLOWS**

		Market	
Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
\$931,746,039	\$2,975,397	(\$35,185,335)	\$899,536,102
\$1,089,028,791	\$8,472,349	(\$197,965,038)	\$899,536,102
\$953,622,721	\$8,355,915	\$127,050,156	\$1,089,028,791
\$834,788,633	\$12,696,826	\$106,137,261	\$953,622,721
\$691,312,582	\$10,850,129	\$132,625,923	\$834,788,633
N/A	N/A	N/A	\$691,312,582
N/A	N/A	N/A	N/A
	\$931,746,039 \$1,089,028,791 \$953,622,721 \$834,788,633 \$691,312,582 N/A	\$931,746,039 \$2,975,397 \$1,089,028,791 \$8,472,349 \$953,622,721 \$8,355,915 \$834,788,633 \$12,696,826 \$691,312,582 \$10,850,129 N/A N/A	Beginning Value         Net Cash Flow         Gain/Loss           \$931,746,039         \$2,975,397         (\$35,185,335)           \$1,089,028,791         \$8,472,349         (\$197,965,038)           \$953,622,721         \$8,355,915         \$127,050,156           \$834,788,633         \$12,696,826         \$106,137,261           \$691,312,582         \$10,850,129         \$132,625,923           N/A         N/A         N/A





Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

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### PLAN ASSET ALLOCATION

Assets

\$885,604

401(a) Defined Contribution Plan

Third Quarter 2022

2.6%

0.1%

0.0%

81.8%

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$2,429,373	7.2%
Sterling Capital Total Return Bond R6	STRDX	\$220,002	0.7%
Fidelity US Bond Index	FXNAX	\$16,695	0.0%
Fidelity Intermediate Treasury Bond Index	FUAMX	\$25,958	0.1%
	Total	\$2,692,027	8.0%

International	Ticker	Assets	%
MFS International Diversification R6	MDIZX	\$152,105	0.5%
Fidelity Total International Index	FTIHX	\$195,613	0.6%
	Total	\$347,718	1.0%

Ticker

VLXVX

**VSVNX** 

Total

Large Cap	Ticker	Assets	%
Fidelity 500 Index	FXAIX	\$1,205,163	3.6%
Hartford Core Equity R6	HAITX	\$574,714	1.7%
	Total	\$1,779,876	5.3%

%	Moderate Allocation Portfolio
3.6%	Aggressive Allocation Portfolio
1.7%	Vanguard Target Retirement Ir
5.3%	Vanguard Target Retirement 2

**Asset Allocation** 

Conservative Allocation Portfolio

Vanguard Target Retirement 2065

Vanguard Target Retirement 2070

Moderate Allocation Portfolio	-	\$1,247,642	3.7%
Aggressive Allocation Portfolio	-	\$1,058,920	3.1%
Vanguard Target Retirement Income	VTINX	\$693,733	2.1%
Vanguard Target Retirement 2020	VTWNX	\$3,652,293	10.8%
Vanguard Target Retirement 2025	VTTVX	\$307,502	0.9%
Vanguard Target Retirement 2030	VTHRX	\$7,581,047	22.4%
Vanguard Target Retirement 2035	VTTHX	\$497,329	1.5%
Vanguard Target Retirement 2040	VFORX	\$7,325,799	21.7%
Vanguard Target Retirement 2045	VTIVX	\$540,276	1.6%
Vanguard Target Retirement 2050	VFIFX	\$3,206,543	9.5%
Vanguard Target Retirement 2055	VFFVX	\$426,141	1.3%
Vanguard Target Retirement 2060	VTTSX	\$184,636	0.5%

Mid Cap	Ticker	Assets	%
Fidelity Mid Cap Index	FSMDX	\$510,885	1.5%
Baron Growth Instl	BGRIX	\$375,008	1.1%
	Total	\$885,892	2.6%

Small Cap	Ticker	Assets	%
Hartford Schroders US Small Cap Opps SDR	SCURX	\$140,570	0.4%
Fidelity Small Cap Index	FSSNX	\$317,094	0.9%
	Total	\$457,664	1.4%

**TOTAL PLAN ASSETS** 

\$33,788,752

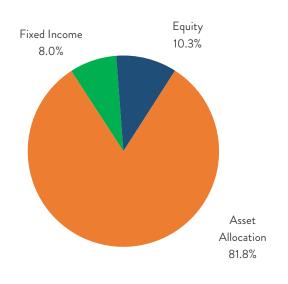
\$18,109

\$0

\$27,625,574

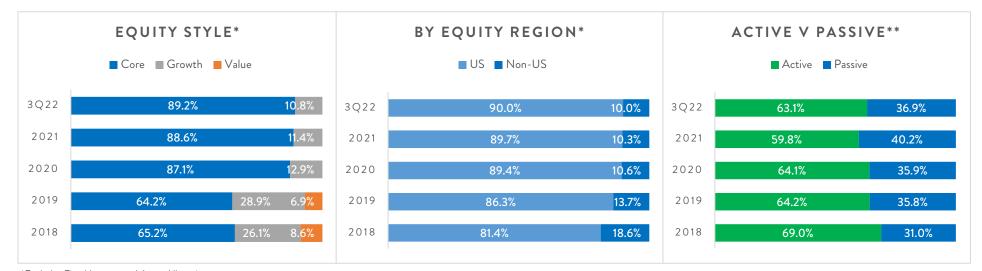
Third Quarter 2022

401(a) Defined Contribution Plan



#### HISTORICAL PLAN ALLOCATION

Asset Class	3Q22	2021	2020	2019	2018	2017	2016	2015
Fixed Income	8.0%	6.2%	7.3%	6.7%	8.7%	N/A	N/A	N/A
Large Cap	5.3%	5.5%	5.2%	4.9%	4.3%	N/A	N/A	N/A
Mid Cap	2.6%	2.8%	3.0%	2.6%	2.0%	N/A	N/A	N/A
Small Cap	1.4%	1.5%	1.3%	1.4%	1.2%	N/A	N/A	N/A
International	1.0%	1.1%	1.1%	1.4%	1.7%	N/A	N/A	N/A
Asset Allocation	81.8%	82.9%	82.0%	83.1%	82.0%	N/A	N/A	N/A



<sup>\*</sup>Excludes Fixed Income and Asset Allocation assets

<sup>\*\*</sup>Excludes Asset Allocation assets

401(a) Defined Contribution Plan

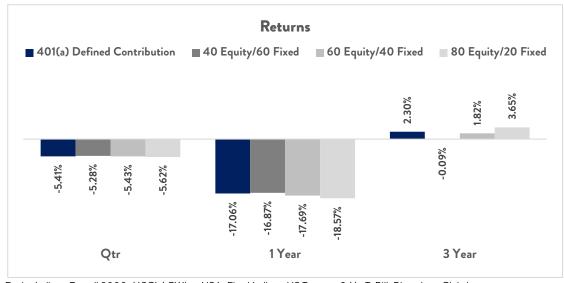
Third Quarter 2022

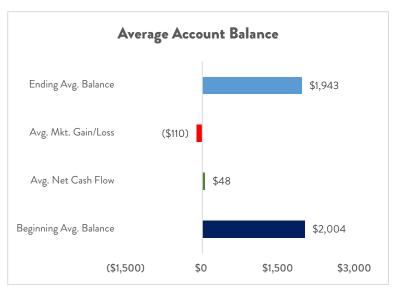
#### **PLAN LEVEL CASH FLOWS**

#### HISTORICAL PLAN CASH FLOWS

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$2,580,513	\$48,289	(\$53,947)	\$119,647	(\$2,475)	\$2,692,027
Large Cap	\$1,846,786	\$55,466	(\$12,414)	(\$20,645)	(\$89,316)	\$1,779,876
Mid Cap	\$892,114	\$30,086	(\$10,282)	(\$413)	(\$25,614)	\$885,892
Small Cap	\$468,343	\$18,151	(\$6,263)	(\$6,564)	(\$16,002)	\$457,664
International	\$381,712	\$10,188	(\$4,473)	(\$1,145)	(\$38,563)	\$347,718
Asset Allocation	\$28,685,180	\$1,016,597	(\$250,020)	(\$90,879)	(\$1,735,304)	\$27,625,574
Total	\$34,854,648	\$1,178,777	(\$337,399)	\$0	(\$1,907,273)	\$33,788,752

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
3Q22	\$34,854,648	\$841,378	(\$1,907,273)	\$33,788,752
YTD	\$39,612,962	\$2,590,034	(\$8,414,244)	\$33,788,752
2021	\$32,088,454	\$3,377,484	\$4,147,025	\$39,612,962
2020	\$24,643,848	\$3,622,525	\$3,822,081	\$32,088,454
2019	\$18,802,415	\$1,890,811	\$3,950,623	\$24,643,848
2018	N/A	N/A	N/A	\$18,802,415





 $Equity\ Indices:\ Russell\ 3000,\ MSCI\ ACWI\ ex\ USA;\ Fixed\ Indices:\ US\ Treasury\ 3\ Mo\ T-Bill,\ Bloomberg\ Global$ 

Aggregate Bond (rebalanced quarterly)

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# **PLAN ASSET ALLOCATION**

401(k) Defined Contribution Plan

Mid Cap

Fidelity Mid Cap Index

Baron Growth Instl

Third Quarter 2022

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$49,095,120	27.8%
Sterling Capital Total Return Bond R6	STRDX	\$3,718,748	2.1%
Fidelity US Bond Index	FXNAX	\$757,502	0.4%
Fidelity Intermediate Treasury Bond Index	FUAMX	\$404,567	0.2%
	Total	\$53,975,936	30.5%

Ticker	Assets	%
MDIZX	\$6,517,713	3.7%
FTIHX	\$3,349,997	1.9%
Total	\$9,867,710	5.6%
	MDIZX FTIHX	FTIHX \$3,349,997

Large Cap	Ticker	Assets	%
Fidelity 500 Index	FXAIX	\$22,396,093	12.7%
Hartford Core Equity R6	HAITX	\$21,740,315	12.3%
	Total	\$44,136,408	24.9%

Ticker

**FSMDX** 

**BGRIX** 

Total

Assets

\$11,809,917

\$6,076,662

\$17,886,579

	_
%	Μ
12.7%	Α
12.3%	V
24.9%	V

	Va
%	Va
6.7%	Va
3.4%	Va
10.1%	Va

Small Cap	Ticker	Assets	%
Hartford Schroders US Small Cap Opps SDR	SCURX	\$1,177,221	0.7%
Fidelity Small Cap Index	FSSNX	\$6,592,179	3.7%
	Total	\$7,769,400	4.4%

Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$9,228,634	5.2%
Moderate Allocation Portfolio	-	\$14,560,528	8.2%
Aggressive Allocation Portfolio	-	\$6,225,861	3.5%
Vanguard Target Retirement Income	VTINX	\$108,685	0.1%
Vanguard Target Retirement 2020	VTWNX	\$1,560,549	0.9%
Vanguard Target Retirement 2025	VTTVX	\$213,386	0.1%
Vanguard Target Retirement 2030	VTHRX	\$3,533,234	2.0%
Vanguard Target Retirement 2035	VTTHX	\$403,493	0.2%
Vanguard Target Retirement 2040	VFORX	\$2,486,043	1.4%
Vanguard Target Retirement 2045	VTIVX	\$174,956	0.1%
Vanguard Target Retirement 2050	VFIFX	\$1,652,672	0.9%
Vanguard Target Retirement 2055	VFFVX	\$52,233	0.0%
Vanguard Target Retirement 2060	VTTSX	\$7,817	0.0%
Vanguard Target Retirement 2065	VLXVX	\$60,879	0.0%
Vanguard Target Retirement 2070	VSVNX	\$0	0.0%
	Total	\$40,268,971	22.8%

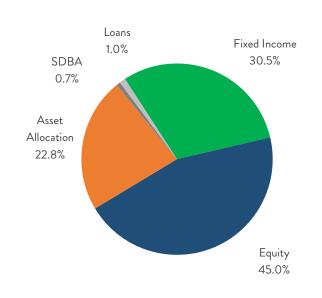
Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$1,181,337	0.7%
Participant Loans	-	\$1,814,621	1.0%
	Total	\$2,995,958	1.7%

**TOTAL PLAN ASSETS** 

\$176,900,965

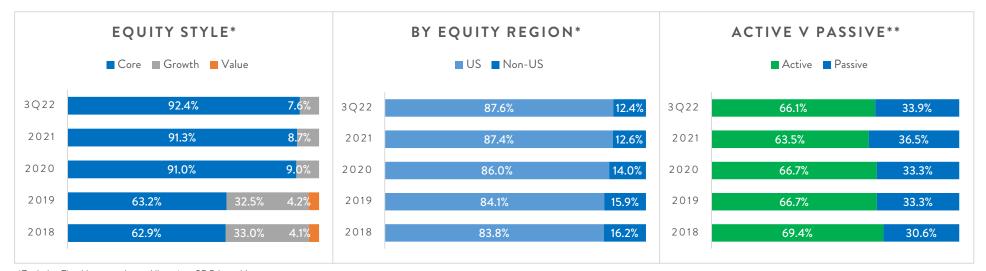
Third Quarter 2022

401(k) Defined Contribution Plan



#### HISTORICAL PLAN ALLOCATION

Asset Class	3Q22	2021	2020	2019	2018	2017	2016	2015
Fixed Income	30.5%	25.3%	29.0%	29.7%	32.9%	N/A	N/A	N/A
Large Cap	24.9%	27.7%	25.5%	24.8%	23.1%	N/A	N/A	N/A
Mid Cap	10.1%	11.6%	10.3%	9.6%	8.7%	N/A	N/A	N/A
Small Cap	4.4%	4.8%	4.4%	4.8%	4.5%	N/A	N/A	N/A
International	5.6%	6.3%	6.6%	7.4%	7.0%	N/A	N/A	N/A
Asset Allocation	22.8%	22.9%	22.5%	22.1%	22.1%	N/A	N/A	N/A
SDBA	0.7%	0.6%	0.6%	0.3%	0.3%	N/A	N/A	N/A
Loans	1.0%	0.8%	1.1%	1.3%	1.4%	N/A	N/A	N/A



<sup>\*</sup>Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

<sup>\*\*</sup>Excludes Asset Allocation, SDBA, and Loan assets

401(k) Defined Contribution Plan

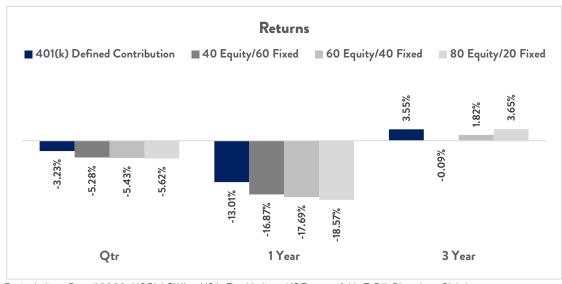
Third Quarter 2022

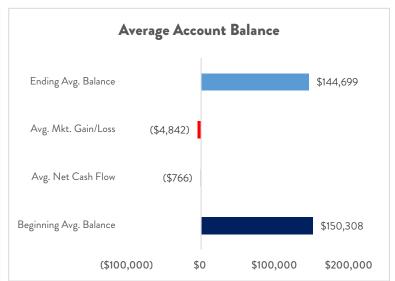
#### **PLAN LEVEL CASH FLOWS**

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$53,657,038	\$496,285	(\$794,634)	\$647,864	(\$30,616)	\$53,975,936
Large Cap	\$47,098,684	\$631,133	(\$1,305,315)	(\$222,128)	(\$2,065,966)	\$44,136,408
Mid Cap	\$18,488,882	\$338,089	(\$269,294)	(\$176,211)	(\$494,886)	\$17,886,579
Small Cap	\$7,980,746	\$208,804	(\$75,894)	(\$122,736)	(\$221,518)	\$7,769,400
International	\$11,068,215	\$219,637	(\$259,344)	(\$103,302)	(\$1,057,496)	\$9,867,710
Asset Allocation	\$42,354,791	\$964,390	(\$1,080,999)	\$2,699	(\$1,971,909)	\$40,268,971
SDBA	\$1,224,030	\$0	\$0	(\$26,186)	(\$16,507)	\$1,181,337
Total	\$181,872,385	\$2,858,338	(\$3,785,480)	\$0	(\$5,858,899)	\$175,086,344

#### **HISTORICAL PLAN CASH FLOWS**

		Market					
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value			
3Q22	\$181,872,385	(\$927,143)	(\$5,858,899)	\$175,086,344			
YTD	\$211,583,102	(\$299,126)	(\$36,197,633)	\$175,086,344			
2021	\$185,633,441	\$1,030,998	\$24,918,663	\$211,583,102			
2020	\$163,277,656	\$2,858,713	\$19,497,072	\$185,633,441			
2019	\$136,406,428	\$1,816,408	\$25,054,820	\$163,277,656			
2018	N/A	N/A	N/A	\$136,406,428			
2017	N/A	N/A	N/A	N/A			





Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

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# **PLAN ASSET ALLOCATION**

Retirement Medical Trust

Third Quarter 2022

Fixed Income	Ticker	Assets	%	International	Ticker	Assets	%
Voya Fixed Account	-	\$85,597,897	48.0%	MFS International Diversification R6	MDIZX	\$658,227	0.4%
Voya Government Money Market A	VYAXX	\$12,765	0.0%	Fidelity Total International Index	FTIHX	\$395,750	0.2%
Sterling Capital Total Return Bond R6	STRDX	\$639,137	0.4%		Total	\$1,053,976	0.6%
Fidelity US Bond Index	FXNAX	\$42,478	0.0%				
Fidelity Intermediate Treasury Bond Index	FUAMX	\$81,604	0.0%	Asset Allocation	Ticker	Assets	%
	Total	\$86,373,881	48.4%	Conservative Allocation Portfolio	-	\$1,901,574	1.1%
				Moderate Allocation Portfolio	-	\$3,769,677	2.1%
Large Cap	Ticker	Assets	%	Aggressive Allocation Portfolio	-	\$4,945,722	2.8%
Fidelity 500 Index	FXAIX	\$3,065,683	1.7%	Vanguard Target Retirement Income	VTINX	\$1,351,496	0.8%
Hartford Core Equity R6	HAITX	\$3,173,976	1.8%	Vanguard Target Retirement 2020	VTWNX	\$13,253,998	7.4%
	Total	\$6,239,659	3.5%	Vanguard Target Retirement 2025	VTTVX	\$269,959	0.2%
				Vanguard Target Retirement 2030	VTHRX	\$27,076,161	15.2%
Mid Cap	Ticker	Assets	%	Vanguard Target Retirement 2035	VTTHX	\$109,385	0.1%
Fidelity Mid Cap Index	FSMDX	\$2,251,573	1.3%	Vanguard Target Retirement 2040	VFORX	\$20,377,826	11.4%
Baron Growth Instl	BGRIX	\$1,801,706	1.0%	Vanguard Target Retirement 2045	VTIVX	\$9,425	0.0%
	Total	\$4,053,279	2.3%	Vanguard Target Retirement 2050	VFIFX	\$5,966,842	3.3%
				Vanguard Target Retirement 2055	VFFVX	\$20,667	0.0%
Small Cap	Ticker	Assets	%	Vanguard Target Retirement 2060	VTTSX	\$29,950	0.0%
Hartford Schroders US Small Cap Opps SDR	SCURX	\$288,686	0.2%	Vanguard Target Retirement 2065	VLXVX	\$10,270	0.0%
Fidelity Small Cap Index	FSSNX	\$1,247,565	0.7%	Vanguard Target Retirement 2070	VSVNX	\$0	0.0%
	Total	\$1,536,252	0.9%	,	Total	\$79,092,952	44.3%

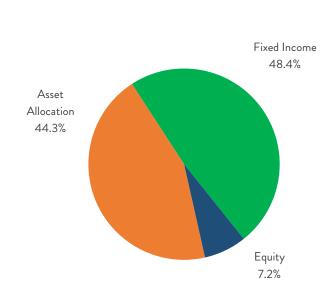
TOTAL PLAN ASSETS

\$178,349,998

**PLAN ASSET ALLOCATION** 

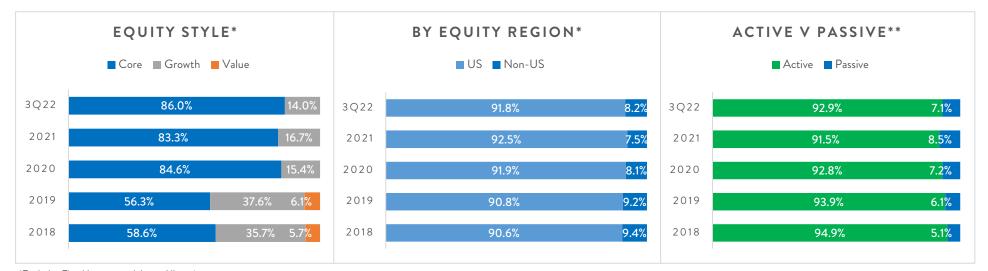
Retirement Medical Trust

Third Quarter 2022



#### HISTORICAL PLAN ALLOCATION

Asset Class	3Q22	2021	2020	2019	2018	2017	2016	2015
Fixed Income	48.4%	44.6%	49.4%	54.2%	59.5%	N/A	N/A	N/A
Large Cap	3.5%	4.1%	3.7%	3.3%	2.8%	N/A	N/A	N/A
Mid Cap	2.3%	3.0%	2.7%	2.4%	2.0%	N/A	N/A	N/A
Small Cap	0.9%	0.9%	0.8%	0.9%	0.7%	N/A	N/A	N/A
International	0.6%	0.6%	0.6%	0.7%	0.6%	N/A	N/A	N/A
Asset Allocation	44.3%	46.8%	42.7%	38.6%	34.3%	N/A	N/A	N/A



<sup>\*</sup>Excludes Fixed Income and Asset Allocation assets

<sup>\*\*</sup>Excludes Asset Allocation assets

Retirement Medical Trust

Third Quarter 2022

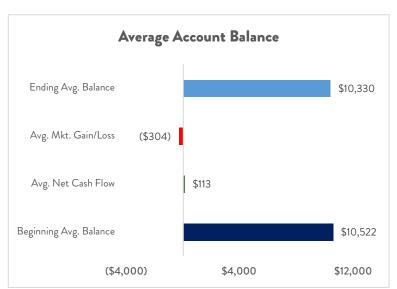
#### **PLAN LEVEL CASH FLOWS**

#### HISTORICAL PLAN CASH FLOWS

	Cash Flow	Cash Flow		Market	
Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
\$86,800,433	\$4,969,386	(\$1,685,555)	(\$3,953,756)	\$243,372	\$86,373,881
\$6,388,886	\$0	(\$105,966)	\$262,095	(\$305,355)	\$6,239,659
\$4,147,161	\$675	(\$57,796)	\$71,036	(\$107,796)	\$4,053,279
\$1,578,884	\$0	(\$21,660)	\$24,553	(\$45,525)	\$1,536,252
\$1,169,336	\$0	(\$16,254)	\$14,846	(\$113,952)	\$1,053,976
\$81,576,883	\$0	(\$1,139,290)	\$3,581,227	(\$4,925,869)	\$79,092,952
\$181,661,584	\$4,970,061	(\$3,026,521)	\$0	(\$5,255,126)	\$178,349,998
	\$86,800,433 \$6,388,886 \$4,147,161 \$1,578,884 \$1,169,336 \$81,576,883	Beginning Value         (+)           \$86,800,433         \$4,969,386           \$6,388,886         \$0           \$4,147,161         \$675           \$1,578,884         \$0           \$1,169,336         \$0           \$81,576,883         \$0	Beginning Value         (+)         (-)           \$86,800,433         \$4,969,386         (\$1,685,555)           \$6,388,886         \$0         (\$105,966)           \$4,147,161         \$675         (\$57,796)           \$1,578,884         \$0         (\$21,660)           \$1,169,336         \$0         (\$16,254)           \$81,576,883         \$0         (\$1,139,290)	Beginning Value         (+)         (-)         Transfer           \$86,800,433         \$4,969,386         (\$1,685,555)         (\$3,953,756)           \$6,388,886         \$0         (\$105,966)         \$262,095           \$4,147,161         \$675         (\$57,796)         \$71,036           \$1,578,884         \$0         (\$21,660)         \$24,553           \$1,169,336         \$0         (\$16,254)         \$14,846           \$81,576,883         \$0         (\$1,139,290)         \$3,581,227	Beginning Value         (+)         (-)         Transfer         Gain/Loss           \$86,800,433         \$4,969,386         (\$1,685,555)         (\$3,953,756)         \$243,372           \$6,388,886         \$0         (\$105,966)         \$262,095         (\$305,355)           \$4,147,161         \$675         (\$57,796)         \$71,036         (\$107,796)           \$1,578,884         \$0         (\$21,660)         \$24,553         (\$45,525)           \$1,169,336         \$0         (\$16,254)         \$14,846         (\$113,952)           \$81,576,883         \$0         (\$1,139,290)         \$3,581,227         (\$4,925,869)

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
3Q22	\$181,661,584	\$1,943,540	(\$5,255,126)	\$178,349,998
YTD	\$192,654,036	\$9,741,024	(\$24,045,062)	\$178,349,998
2021	\$167,283,890	\$12,112,368	\$13,257,779	\$192,654,036
2020	\$147,219,470	\$8,054,702	\$12,009,718	\$167,283,890
2019	\$124,574,529	\$9,670,091	\$12,974,851	\$147,219,470
2018	N/A	N/A	N/A	\$124,574,529





Equity Indices: Russell 3000, MSCI ACWI ex USA; Fixed Indices: US Treasury 3 Mo T-Bill, Bloomberg Global Aggregate Bond (rebalanced quarterly)

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Section 3

PST Deferred Compensation Retirement Plan

Third Quarter 2022

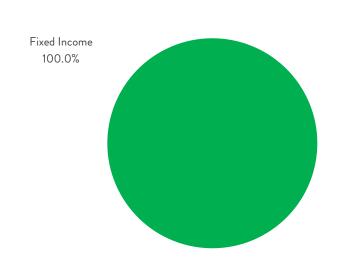
#### HISTORICAL PLAN CASH FLOWS

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$46,026,768	100.0%
	Total	\$46,026,768	100.0%

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
3Q22	\$45,215,217	\$624,791	\$186,761	\$46,026,768
YTD	\$43,987,776	\$1,498,476	\$540,516	\$46,026,768
2021	\$40,555,917	\$2,736,548	\$695,312	\$43,987,776
2020	\$37,906,246	\$1,699,237	\$950,434	\$40,555,917
2019	\$36,665,327	\$292,121	\$948,798	\$37,906,246
2018	N/A	N/A	N/A	\$36,665,327

**TOTAL PLAN ASSETS** 

\$46,026,768





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Section 4

### INVESTMENT POLICY STATEMENT COMPLIANCE REPORT

All Plans - Combined

Third Quarter 2022

**Proposed Investment Policy Status** 

	Performance	Qualitative	On-Watch	
Key: <sup>®</sup> Pass / ● Fail	Factors	Factors	Information	Notes
Stabilizer	P	P	-	
Voya Fixed Account	•	P	-	Trailing Benchmark and Peer Group for 5 year period.
Voya Government Money Market A	P	P	-	
Sterling Capital Total Return Bond R6	P	P	-	
Fidelity US Bond Index	P	P	-	
Fidelity Intermediate Treasury Bond Index	P	P	-	
Fidelity 500 Index	P	P	-	
Hartford Core Equity R6	P	P	-	
Fidelity Mid Cap Index	P	P	-	
Baron Growth Instl	P	P	-	
Hartford Schroders US Small Cap Opps SDR	P	P	-	
Fidelity Small Cap Index	P	P	-	
MFS International Diversification R6	P	P	-	
Fidelity Total International Index	P	P	-	

Conservative Allocation Portfolio
Moderate Allocation Portfolio
Aggressive Allocation Portfolio
Vanguard Target Retirement Income
Vanguard Target Retirement 2020
Vanguard Target Retirement 2025
Vanguard Target Retirement 2030
Vanguard Target Retirement 2035

P	P
P	P
•	P
P	P
P	P
P	P
P	P
P	P

-	
-	
3Q21 (Performance)	Performance in compliance as of 2Q22.
4Q21 (Performance)	Trailing Benchmark and Peer Group for 5 year period.
-	
-	
-	Target date suite to be mapped to CIT version of funds.
-	
-	

### INVESTMENT POLICY STATEMENT COMPLIANCE REPORT

All Plans - Combined

Third Quarter 2022

Key: 🕑	Pass / •	Fail
--------	----------	------

Vanguard Target Retirement 2040 Vanguard Target Retirement 2045 Vanguard Target Retirement 2050 Vanguard Target Retirement 2055 Vanguard Target Retirement 2060 Vanguard Target Retirement 2065 Vanguard Target Retirement 2070

Performance Factors	Qualitative Factors
P	P
P	P
P	P
P	P
P	P
•	P
P	P

### **Proposed Investment Policy Status**

On-Watch	
Information	Notes
-	
-	
-	
-	Target date suite to be mapped to CIT version of funds.
-	
-	Trailing Benchmark and Peer Group for 5 year period.
-	

### **PERFORMANCE REVIEW**

					Annualize	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Stabilizer	0.41	1.21	1.61	1.98	2.20	2.27	1.64	2.42	2.59	2.50	N/A	N/A
5 Yr Constant Maturity US Treasury Yield	0.80	1.99	2.29	1.26	1.72	1.59	0.85	0.54	1.96	2.75	1.91	1.44
+/- Index	(0.39)	(0.78)	(0.68)	0.72	0.48	0.68	0.79	1.88	0.63	(0.25)	-	-
US Stable Value	57	39	37	18	10	7	24	4	7	6	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Voya Fixed Account	0.30	0.90	1.25	1.47	1.68	2.01	1.50	1.40	1.85	1.90	N/A	N/A
5 Yr Constant Maturity US Treasury Yield	0.80	1.99	2.29	1.26	1.72	1.59	0.85	0.54	1.96	2.75	1.91	1.44
+/- Index	(0.50)	(1.09)	(1.04)	0.21	(0.04)	0.42	0.65	0.86	(0.11)	(0.85)	-	-
US Stable Value	87	76	69	65	59	17	36	86	82	42	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Voya Government Money Market A	0.48	0.57	0.57	0.42	0.89	0.47	0.10	0.27	1.88	1.51	0.26	0.08
US 90 Day T-Bill	0.66	1.01	1.02	0.60	1.14	0.68	0.04	0.36	2.06	1.94	0.93	0.32
+/- Index	(0.18)	(0.44)	(0.45)	(0.18)	(0.25)	(0.21)	0.06	(0.09)	(0.18)	(0.43)	(0.67)	(0.24)
US Money Market - Taxable	20	37	37	39	43	46	2	52	45	44	77	41
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Sterling Capital Total Return Bond R6	-4.42	-14.50	-14.72	-2.54	0.29	1.46	-1.12	9.35	9.37	-0.27	4.33	3.75
Bloomberg US Aggregate Bond Index	-4.75	-14.61	-14.60	-3.26	-0.27	0.89	-1.54	7.51	8.72	0.01	3.54	2.65
+/- Index	0.33	0.11	(0.12)	0.72	0.56	0.57	0.42	1.84	0.65	(0.28)	0.79	1.10
US Fund Intermediate Core Bond	20	32	35	15	9	7	28	15	18	42	10	12
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity US Bond Index	-4.69	-14.47	-14.57	-3.24	-0.28	0.85	-1.79	7.80	8.48	0.01	3.50	2.52
Bloomberg US Aggregate Bond Index	-4.75	-14.61	-14.60	-3.26	-0.27	0.89	-1.54	7.51	8.72	0.01	3.54	2.65
+/- Index	0.06	0.14	0.03	0.02	(0.01)	(0.04)	(0.25)	0.29	(0.23)	0.00	(0.04)	(0.13)
US Fund Intermediate Core Bond	44	31	28	49	41	47	65	50	48	26	43	55

### **PERFORMANCE REVIEW**

				-	Annualize	rd .						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity Intermediate Treasury Bond Index	-4.79	-13.51	-13.71	-3.20	-0.21	0.53	-3.00	9.10	7.25	1.23	2.20	0.97
Bloomberg US Treasury 5-10 Year Index	-4.86	-13.60	-13.80	-3.18	-0.19	0.60	-2.97	9.09	7.48	1.22	2.17	1.18
+/- Index	0.07	0.09	0.09	(0.02)	(0.02)	(0.07)	(0.03)	0.01	(0.23)	0.01	0.03	(0.21)
US Fund Intermediate Government	29	67	61	36	18	24	92	8	1	2	16	59
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity 500 Index	-4.89	-23.88	-15.49	8.15	9.23	11.69	28.69	18.40	31.47	-4.40	21.81	11.97
S&P 500 Index	-4.88	-23.87	-15.47	8.16	9.24	11.70	28.71	18.40	31.49	-4.38	21.83	11.96
+/- Index	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)	(0.01)	(0.02)	0.00	(0.01)	(0.02)	(0.02)	0.01
US Fund Large Blend	44	46	36	20	15	11	21	33	22	22	32	27
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Hartford Core Equity R6	-4.14	-23.97	-16.18	6.98	9.78	12.34	24.62	18.49	33.89	-1.55	22.17	5.75
S&P 500 Index	-4.88	-23.87	-15.47	8.16	9.24	11.70	28.71	18.40	31.49	-4.38	21.83	11.96
+/- Index	0.74	(0.10)	(0.71)	(1.18)	0.54	0.64	(4.09)	0.09	2.40	2.83	0.34	(6.21)
US Fund Large Blend	17	49	49	53	7	2	72	31	5	5	28	91
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity Mid Cap Index	-3.42	-24.26	-19.38	5.19	6.48	10.29	22.56	17.11	30.51	-9.05	18.47	13.86
Russell Mid Cap Index	-3.44	-24.27	-19.39	5.19	6.48	10.30	22.58	17.10	30.54	-9.06	18.52	13.80
+/- Index	0.02	0.01	0.01	0.00	0.00	(0.01)	(0.02)	0.01	(0.03)	0.01	(0.05)	0.07
US Fund Mid-Cap Blend	39	69	72	51	27	18	66	24	24	25	26	57
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Baron Growth Instl	-1.61	-30.67	-26.12	6.39	9.81	11.31	20.15	33.05	40.50	-2.67	27.35	6.31
Russell Mid Cap Growth Index	-0.65	-31.45	-29.50	4.26	7.62	10.85	12.73	35.59	35.47	-4.75	25.27	7.33
+/- Index	(0.96)	0.78	3.38	2.13	2.19	0.46	7.42	(2.53)	5.03	2.08	2.09	(1.02)
US Fund Mid-Cap Growth	42	37	21	25	12	24	16	61	8	28	32	41

### **PERFORMANCE REVIEW**

				-	Annualize	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Hartford Schroders US Small Cap Opps SDR	-6.04	-24.27	-19.03	3.26	4.30	9.10	22.98	8.14	32.06	-10.72	14.81	19.49
Russell 2000 Index	-2.19	-25.10	-23.50	4.29	3.55	8.55	14.82	19.96	25.52	-11.01	14.65	21.31
+/- Index	(3.85)	0.83	4.47	(1.03)	0.75	0.55	8.16	(11.82)	6.53	0.29	0.16	(1.82)
US Fund Small Blend	89	56	43	69	37	30	51	67	3	32	27	69
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity Small Cap Index	-2.08	-24.96	-23.39	4.35	3.65	8.71	14.71	19.99	25.71	-10.88	14.85	21.63
Russell 2000 Index	-2.19	-25.10	-23.50	4.29	3.55	8.55	14.82	19.96	25.52	-11.01	14.65	21.31
+/- Index	0.11	0.14	0.11	0.06	0.10	0.16	(0.11)	0.03	0.18	0.14	0.20	0.32
US Fund Small Blend	13	65	84	51	51	44	89	12	36	34	26	46
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
MFS International Diversification R6	-9.35	-27.68	-25.34	-0.54	1.35	4.79	7.78	15.43	26.09	-10.92	30.25	2.47
MSCI ACWI Ex-USA (Net) Index	-9.91	-26.50	-25.17	-1.52	-0.81	3.01	7.82	10.65	21.51	-14.20	27.19	4.50
+/- Index	0.56	(1.18)	(0.17)	0.98	2.16	1.78	(0.04)	4.78	4.58	3.27	3.05	(2.03)
US Fund Foreign Large Blend	19	43	32	25	7	7	70	20	20	9	9	28
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Fidelity Total International Index	-10.45	-27.06	-25.59	-1.42	-0.83	-	8.47	11.07	21.48	-14.38	27.63	-
MSCI ACWI Ex-USA IMI (Net) Index	-9.69	-26.92	-25.72	-1.27	-0.78	3.19	8.53	11.12	21.63	-14.76	27.81	4.41
+/- Index	(0.76)	(0.14)	0.13	(0.15)	(0.05)	-	(0.06)	(0.04)	(0.16)	0.37	(0.18)	-
US Fund Foreign Large Blend	54	30	38	41	41	-	65	42	62	39	27	-
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Conservative Allocation Portfolio	-1.70	-7.19	-5.17	3.24	3.39	4.55	6.71	7.74	9.55	-0.82	N/A	N/A
Dow Jones Moderately Conservative Index	-5.50	-18.84	-17.52	-1.02	1.21	3.20	4.76	10.08	14.14	-3.15	10.91	5.65
+/- Index	3.80	11.65	12.35	4.26	2.18	1.35	1.95	(2.34)	(4.59)	2.33	-	-
US Fund Allocation30% to 50% Equity	2	1	2	3	5	20	81	62	100	1	N/A	N/A

### **PERFORMANCE REVIEW**

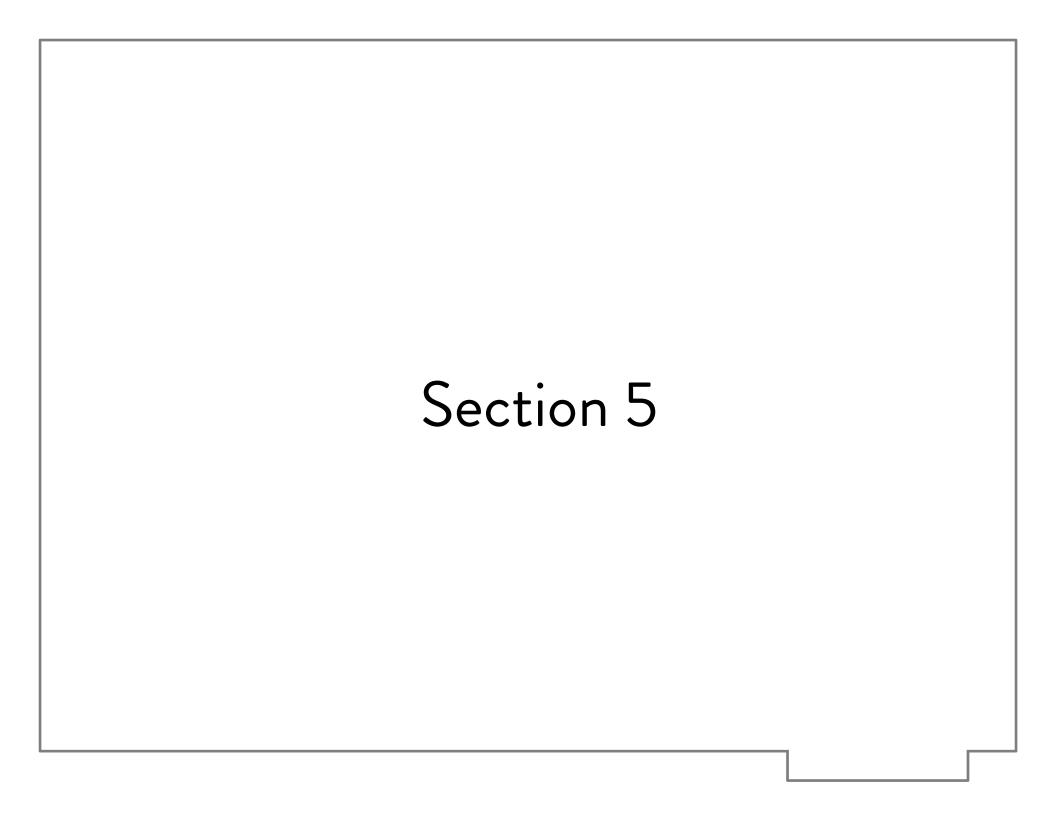
				-	Annualize	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Moderate Allocation Portfolio	-4.80	-17.99	-14.85	2.18	3.02	5.93	11.27	10.15	18.64	-6.01	N/A	N/A
Dow Jones Moderate Index	-5.48	-20.38	-18.11	1.01	2.70	5.12	9.40	12.24	18.60	-5.21	15.15	7.67
+/- Index	0.68	2.39	3.26	1.17	0.32	0.81	1.87	(2.09)	0.04	(0.80)	-	-
US Fund Allocation50% to 70% Equity	40	25	34	55	62	46	76	71	66	56	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Aggressive Allocation Portfolio	-6.26	-22.90	-19.02	2.36	3.30	6.80	14.78	12.42	23.80	-8.33	N/A	N/A
Dow Jones Moderately Aggressive Index	-5.48	-22.03	-18.88	2.82	3.95	6.79	14.05	14.14	22.84	-7.33	19.08	9.31
+/- Index	(0.78)	(0.87)	(0.14)	(0.46)	(0.65)	0.01	0.73	(1.72)	0.96	(1.00)	-	-
US Fund Allocation70% to 85% Equity	74	58	65	67	66	36	66	60	26	59	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement Income	-4.64	-15.89	-14.19	-0.02	1.96	3.31	5.25	10.02	13.16	-1.99	8.47	5.25
Vanguard Retirement Income Index	-4.56	-15.77	-14.04	0.33	2.22	3.54	5.43	10.70	13.40	-1.98	8.67	5.35
+/- Index	(80.0)	(0.12)	(0.15)	(0.35)	(0.26)	(0.23)	(0.18)	(0.68)	(0.24)	(0.01)	(0.19)	(0.10)
US Fund Target-Date Retirement	51	45	44	25	24	29	64	30	48	18	50	30
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2020	-5.12	-18.21	-15.83	1.17	2.91	5.46	8.17	12.04	17.63	-4.24	14.08	6.95
Vanguard Retirement 2020 Index	-4.93	-17.97	-15.53	1.62	3.26	5.74	8.43	12.86	17.87	-4.14	14.22	7.17
+/- Index	(0.19)	(0.24)	(0.30)	(0.45)	(0.35)	(0.28)	(0.26)	(0.82)	(0.24)	(0.10)	(0.14)	(0.22)
US Fund Target-Date 2020	48	40	36	39	26	21	62	41	32	47	23	30
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2025	-5.59	-20.35	-17.53	1.40	3.15	5.96	9.80	13.30	19.63	-5.15	15.94	7.48
Vanguard Retirement 2025 Index	-5.32	-19.95	-17.09	1.97	3.58	6.29	10.10	14.19	19.93	-5.01	16.08	7.66
+/- Index	(0.27)	(0.40)	(0.44)	(0.57)	(0.43)	(0.33)	(0.30)	(0.89)	(0.30)	(0.14)	(0.14)	(0.18)
US Fund Target-Date 2025	59	62	61	38	27	21	47	34	20	48	22	21

### **PERFORMANCE REVIEW**

				-	Annualize	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2030	-5.93	-21.60	-18.42	1.82	3.43	6.46	11.38	14.10	21.07	-5.86	17.52	7.85
Vanguard Retirement 2030 Index	-5.58	-21.16	-17.96	2.39	3.86	6.78	11.65	14.96	21.33	-5.74	17.65	8.11
+/- Index	(0.35)	(0.44)	(0.46)	(0.57)	(0.43)	(0.32)	(0.27)	(0.86)	(0.26)	(0.12)	(0.13)	(0.26)
US Fund Target-Date 2030	65	48	55	46	36	27	54	35	37	39	37	27
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2035	-6.09	-22.40	-18.87	2.39	3.78	6.99	12.96	14.79	22.44	-6.58	19.12	8.26
Vanguard Retirement 2035 Index	-5.75	-22.00	-18.48	2.94	4.22	7.31	13.24	15.67	22.76	-6.48	19.24	8.55
+/- Index	(0.34)	(0.40)	(0.39)	(0.55)	(0.44)	(0.32)	(0.28)	(0.87)	(0.33)	(0.10)	(0.12)	(0.29)
US Fund Target-Date 2035	58	32	42	47	38	27	78	38	49	31	40	32
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2040	-6.33	-23.27	-19.42	2.91	4.11	7.40	14.56	15.47	23.86	-7.32	20.71	8.73
Vanguard Retirement 2040 Index	-5.93	-22.86	-19.01	3.47	4.55	7.75	14.85	16.31	24.19	-7.22	20.87	8.98
+/- Index	(0.40)	(0.41)	(0.41)	(0.56)	(0.44)	(0.35)	(0.29)	(0.83)	(0.33)	(0.11)	(0.16)	(0.25)
US Fund Target-Date 2040	57	27	32	43	35	21	80	39	49	35	30	23
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2045	-6.51	-24.10	-19.93	3.46	4.42	7.61	16.16	16.30	24.94	-7.90	21.42	8.87
Vanguard Retirement 2045 Index	-6.11	-23.70	-19.54	3.99	4.85	7.96	16.45	17.03	25.36	-7.77	21.54	9.13
+/- Index	(0.40)	(0.40)	(0.39)	(0.53)	(0.43)	(0.35)	(0.29)	(0.73)	(0.42)	(0.13)	(0.11)	(0.26)
US Fund Target-Date 2045	58	28	36	28	23	18	65	34	40	41	24	26
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2050	-6.64	-24.43	-20.18	3.41	4.39	7.60	16.41	16.39	24.98	-7.90	21.39	8.85
Vanguard Retirement 2050 Index	-6.21	-24.05	-19.81	3.97	4.84	7.95	16.77	17.18	25.36	-7.77	21.54	9.13
+/- Index	(0.43)	(0.38)	(0.37)	(0.56)	(0.45)	(0.35)	(0.36)	(0.79)	(0.38)	(0.13)	(0.14)	(0.28)
US Fund Target-Date 2050	59	27	37	30	25	20	70	35	45	37	31	27

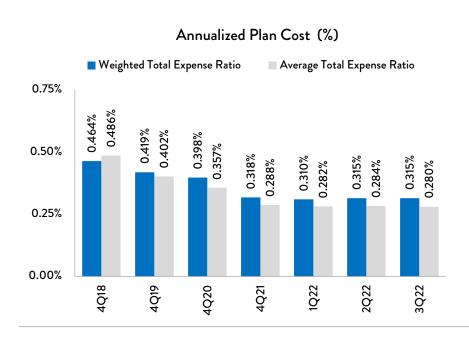
### **PERFORMANCE REVIEW**

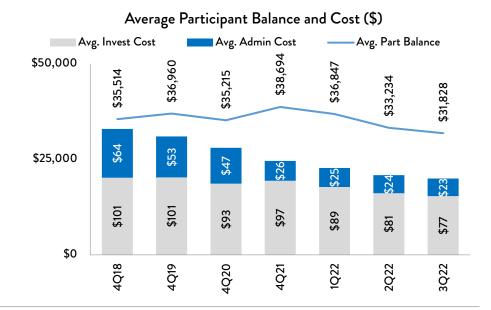
					Annualize	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2055	-6.63	-24.44	-20.17	3.40	4.38	7.58	16.44	16.32	24.98	-7.89	21.38	8.88
Vanguard Retirement 2055 Index	-6.21	-24.05	-19.81	3.97	4.84	7.95	16.77	17.18	25.36	-7.77	21.54	9.13
+/- Index	(0.42)	(0.39)	(0.36)	(0.57)	(0.46)	(0.37)	(0.33)	(0.86)	(0.38)	(0.12)	(0.16)	(0.25)
US Fund Target-Date 2055	59	27	37	33	28	28	75	40	47	35	39	26
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2060	-6.64	-24.44	-20.16	3.40	4.38	7.58	16.44	16.32	24.96	-7.87	21.36	8.84
Vanguard Retirement 2060 Index	-6.21	-24.05	-19.81	3.97	4.84	7.95	16.77	17.18	25.36	-7.77	21.54	9.13
+/- Index	(0.43)	(0.39)	(0.35)	(0.57)	(0.46)	(0.37)	(0.33)	(0.85)	(0.40)	(0.10)	(0.18)	(0.28)
US Fund Target-Date 2060	61	24	35	36	30	50	77	41	56	30	43	23
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2065	-6.60	-24.38	-20.10	3.38	4.36	-	16.46	16.17	24.96	-7.95	-	-
Vanguard Retirement 2065 Index	-6.21	-24.05	-19.81	3.97	4.84	-	16.77	17.18	25.36	-7.77	-	-
+/- Index	(0.39)	(0.33)	(0.29)	(0.59)	(0.48)	-	(0.31)	(1.00)	(0.39)	(0.18)	-	-
US Fund Target-Date 2065+	52	22	24	46	60	-	67	56	59	12	-	-
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2021	2020	2019	2018	2017	2016
Vanguard Target Retirement 2070	-6.57					-	-					
Vanguard Retirement 2070 Index	-6.21	-	-	-	-	-	-	-	-	-	-	-
+/- Index	(0.36)	-	-	-	-	-	-	-	-	-	-	-
US Fund Target-Date 2065+	50	-	-	-	-	-	-	_	-	-	-	-

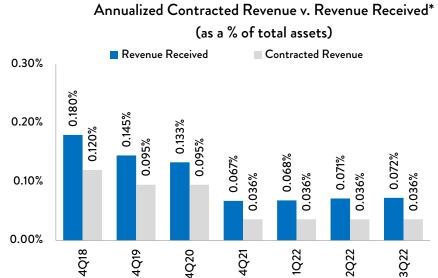


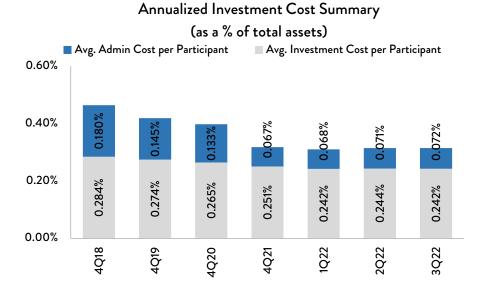
Full-Time Plans - Combined

Third Quarter 2022









<sup>\*</sup>Revenue received is 0.072% annually on all assets excluding SDBA. Contracted revenue is 0.036% annually on all assets excluding SDBA.

Full-Time Plans - Combined

Third Quarter 2022

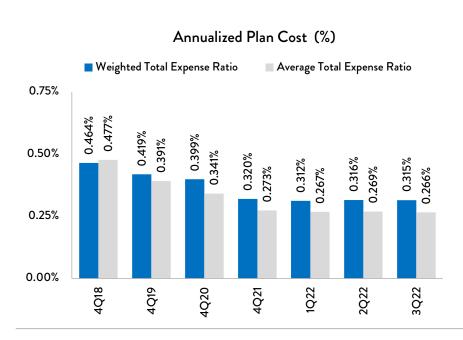
Annualized

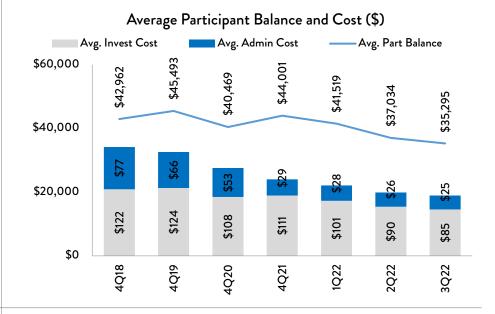
					Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$277,632,990	0.34%	0.072%	\$943,952	\$201,148
Voya Fixed Account**	-	\$85,597,897	0.41%	0.072%	\$350,951	\$62,016
Voya Government Money Market A	VYAXX	\$12,765	0.40%	0.072%	\$51	\$9
Sterling Capital Total Return Bond R6	STRDX	\$29,548,833	0.35%	0.072%	\$103,421	\$21,408
Fidelity US Bond Index	FXNAX	\$9,134,810	0.03%	0.072%	\$2,284	\$6,618
Fidelity Intermediate Treasury Bond Index	FUAMX	\$1,636,221	0.03%	0.072%	\$491	\$1,185
Fidelity 500 Index	FXAIX	\$134,842,433	0.02%	0.072%	\$20,226	\$97,695
Hartford Core Equity R6	HAITX	\$120,690,922	0.36%	0.072%	\$434,487	\$87,442
Fidelity Mid Cap Index	FSMDX	\$65,273,311	0.03%	0.072%	\$16,318	\$47,291
Baron Growth Instl*	BGRIX	\$39,498,297	0.88%	0.072%	\$347,585	\$28,617
Hartford Schroders US Small Cap Opps SDR	SCURX	\$10,067,241	0.95%	0.072%	\$95,639	\$7,294
Fidelity Small Cap Index	FSSNX	\$40,011,464	0.03%	0.072%	\$10,003	\$28,989
MFS International Diversification R6	MDIZX	\$46,788,860	0.72%	0.072%	\$336,880	\$33,899
Fidelity Total International Index	FTIHX	\$29,807,630	0.06%	0.072%	\$17,885	\$21,596
Conservative Allocation Portfolio	-	\$38,991,081	0.25%	0.072%	\$97,478	\$28,249
Moderate Allocation Portfolio*	-	\$79,537,609	0.14%	0.072%	\$111,353	\$57,626
Aggressive Allocation Portfolio*	-	\$57,730,780	0.08%	0.072%	\$46,185	\$41,826
Vanguard Target Retirement Income	VTINX	\$6,913,113	0.08%	0.072%	\$5,530	\$5,009
Vanguard Target Retirement 2020	VTWNX	\$29,804,483	0.08%	0.072%	\$23,844	\$21,594
Vanguard Target Retirement 2025	VTTVX	\$3,075,010	0.08%	0.072%	\$2,460	\$2,228
Vanguard Target Retirement 2030	VTHRX	\$61,970,214	0.08%	0.072%	\$49,576	\$44,898
Vanguard Target Retirement 2035	VTTHX	\$2,882,556	0.08%	0.072%	\$2,306	\$2,088
Vanguard Target Retirement 2040	VFORX	\$60,100,555	0.08%	0.072%	\$48,080	\$43,543
Vanguard Target Retirement 2045	VTIVX	\$2,108,250	0.08%	0.072%	\$1,687	\$1,527
Vanguard Target Retirement 2050	VFIFX	\$43,964,220	0.08%	0.072%	\$35,171	\$31,852
Vanguard Target Retirement 2055	VFFVX	\$1,525,296	0.08%	0.072%	\$1,220	\$1,105
Vanguard Target Retirement 2060	VTTSX	\$1,328,416	0.08%	0.072%	\$1,063	\$962
Vanguard Target Retirement 2065	VLXVX	\$763,493	0.08%	0.072%	\$611	\$553
Vanguard Target Retirement 2070	VSVNX	\$1,984	0.08%	0.072%	\$2	\$1
Self-Directed Brokerage Account	-	\$5,520,460	-	0.000%	-	\$0
TOTAL		\$1,286,761,196	<u> </u>		\$3,106,738	\$928,271

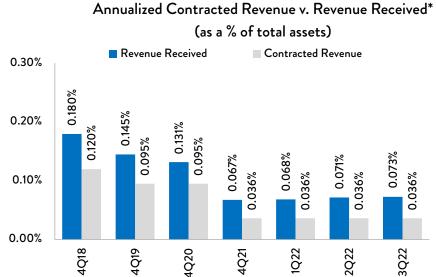
Plan Administration Cost	Quarter	Annualized
Contracted Revenue to Voya (3.6 bps excluding SDBA - est):	\$115,312	\$461,247
Additional Administrative Allowance (\$505,000 pro-rated - est):	\$116,756	\$467,024
Total Plan Administration Cost (7.1 bps excluding SDBA - est):	\$232,068	\$928,271

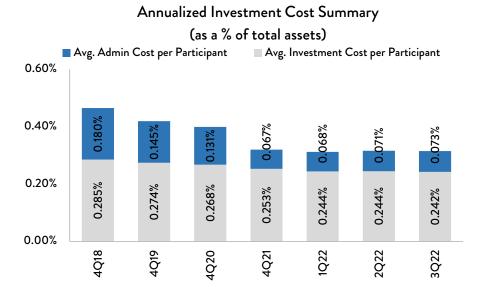
<sup>\*</sup>Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

<sup>\*\*</sup>No explicit expense ratio given for Voya Fixed Account. An expense ratio of 0.41% is assumed for reporting purposes.









<sup>\*</sup>Revenue received is 0.073% annually on all assets excluding SDBA. Contracted revenue is 0.036% annually on all assets excluding SDBA.

457 Deferred Compensation Plan

Third Quarter 2022

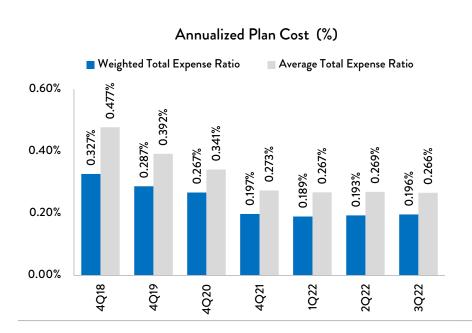
### Annualized

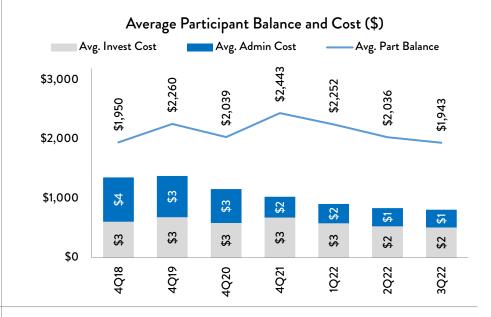
					Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$226,108,498	0.34%	0.073%	\$768,769	\$164,015
Sterling Capital Total Return Bond R6	STRDX	\$24,970,947	0.35%	0.073%	\$87,398	\$18,113
Fidelity US Bond Index	FXNAX	\$8,318,136	0.03%	0.073%	\$2,080	\$6,034
Fidelity Intermediate Treasury Bond Index	FUAMX	\$1,124,091	0.03%	0.073%	\$337	\$815
Fidelity 500 Index	FXAIX	\$108,175,495	0.02%	0.073%	\$16,226	\$78,469
Hartford Core Equity R6	HAITX	\$95,201,917	0.36%	0.073%	\$342,727	\$69,058
Fidelity Mid Cap Index	FSMDX	\$50,700,936	0.03%	0.073%	\$12,675	\$36,778
Baron Growth InstI*	BGRIX	\$31,244,921	0.88%	0.073%	\$274,955	\$22,664
Hartford Schroders US Small Cap Opps SDR	SCURX	\$8,460,764	0.95%	0.073%	\$80,377	\$6,137
Fidelity Small Cap Index	FSSNX	\$31,854,625	0.03%	0.073%	\$7,964	\$23,107
MFS International Diversification R6	MDIZX	\$39,460,815	0.72%	0.073%	\$284,118	\$28,624
Fidelity Total International Index	FTIHX	\$25,866,270	0.06%	0.073%	\$15,520	\$18,763
Conservative Allocation Portfolio	-	\$26,975,269	0.25%	0.073%	\$67,438	\$19,567
Moderate Allocation Portfolio*	-	\$59,959,762	0.14%	0.073%	\$83,944	\$43,494
Aggressive Allocation Portfolio*	-	\$45,500,278	0.08%	0.073%	\$36,400	\$33,005
Vanguard Target Retirement Income	VTINX	\$4,759,198	0.08%	0.073%	\$3,807	\$3,452
Vanguard Target Retirement 2020	VTWNX	\$11,337,642	0.08%	0.073%	\$9,070	\$8,224
Vanguard Target Retirement 2025	VTTVX	\$2,284,163	0.08%	0.073%	\$1,827	\$1,657
Vanguard Target Retirement 2030	VTHRX	\$23,779,772	0.08%	0.073%	\$19,024	\$17,249
Vanguard Target Retirement 2035	VTTHX	\$1,872,349	0.08%	0.073%	\$1,498	\$1,358
Vanguard Target Retirement 2040	VFORX	\$29,910,888	0.08%	0.073%	\$23,929	\$21,697
Vanguard Target Retirement 2045	VTIVX	\$1,383,594	0.08%	0.073%	\$1,107	\$1,004
Vanguard Target Retirement 2050	VFIFX	\$33,138,164	0.08%	0.073%	\$26,511	\$24,038
Vanguard Target Retirement 2055	VFFVX	\$1,026,255	0.08%	0.073%	\$821	\$744
Vanguard Target Retirement 2060	VTTSX	\$1,106,013	0.08%	0.073%	\$885	\$802
Vanguard Target Retirement 2065	VLXVX	\$674,234	0.08%	0.073%	\$539	\$489
Vanguard Target Retirement 2070	VSVNX	\$1,984	0.08%	0.073%	\$2	\$1
Self-Directed Brokerage Account	-	\$4,339,123	-	0.000%	-	\$0
TOTAL	•	\$900 E36 103			£2.160.040	¢440.2E0

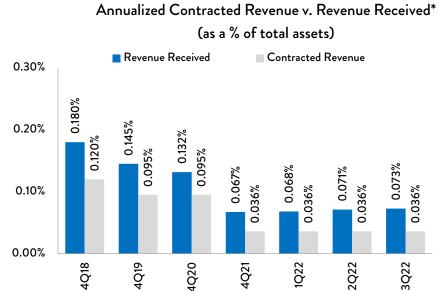
TOTAL \$899,536,102 \$2,169,948 \$649,359

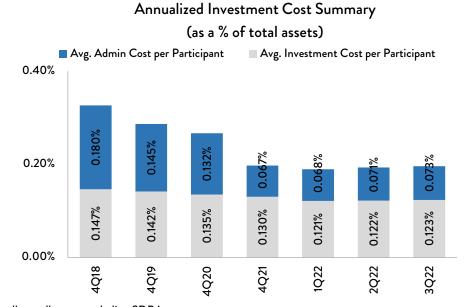
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$162,340	\$649,359
	Contracted Revenue (est):	\$80,568	\$322,271
	Net Excess/(Deficit) (est):	\$81,772	\$327,089

<sup>\*</sup>Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.









<sup>\*</sup>Revenue received is 0.073% annually on all assets excluding SDBA. Contracted revenue is 0.036% annually on all assets excluding SDBA.

401(a) Defined Contribution Plan

Third Quarter 2022

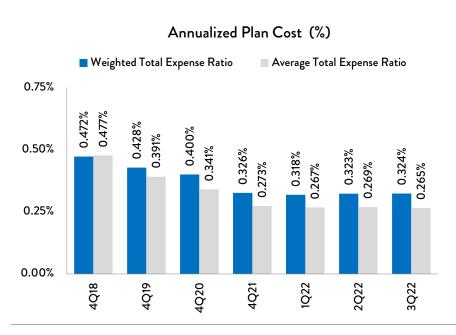
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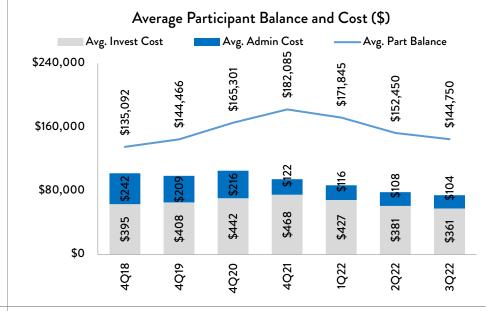
					Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$2,429,373	0.34%	0.073%	\$8,260	\$1,764
Sterling Capital Total Return Bond R6	STRDX	\$220,002	0.35%	0.073%	\$770	\$160
Fidelity US Bond Index	FXNAX	\$16,695	0.03%	0.073%	\$4	\$12
Fidelity Intermediate Treasury Bond Index	FUAMX	\$25,958	0.03%	0.073%	\$8	\$19
Fidelity 500 Index	FXAIX	\$1,205,163	0.02%	0.073%	\$181	\$875
Hartford Core Equity R6	HAITX	\$574,714	0.36%	0.073%	\$2,069	\$417
Fidelity Mid Cap Index	FSMDX	\$510,885	0.03%	0.073%	\$128	\$371
Baron Growth Instl*	BGRIX	\$375,008	0.88%	0.073%	\$3,300	\$272
Hartford Schroders US Small Cap Opps SDR	SCURX	\$140,570	0.95%	0.073%	\$1,335	\$102
Fidelity Small Cap Index	FSSNX	\$317,094	0.03%	0.073%	\$79	\$230
MFS International Diversification R6	MDIZX	\$152,105	0.72%	0.073%	\$1,095	\$110
Fidelity Total International Index	FTIHX	\$195,613	0.06%	0.073%	\$117	\$142
Conservative Allocation Portfolio	-	\$885,604	0.25%	0.073%	\$2,214	\$643
Moderate Allocation Portfolio*	-	\$1,247,642	0.14%	0.073%	\$1,747	\$906
Aggressive Allocation Portfolio*	-	\$1,058,920	0.08%	0.073%	\$847	\$769
Vanguard Target Retirement Income	VTINX	\$693,733	0.08%	0.073%	\$555	\$504
Vanguard Target Retirement 2020	VTWNX	\$3,652,293	0.08%	0.073%	\$2,922	\$2,652
Vanguard Target Retirement 2025	VTTVX	\$307,502	0.08%	0.073%	\$246	\$223
Vanguard Target Retirement 2030	VTHRX	\$7,581,047	0.08%	0.073%	\$6,065	\$5,505
Vanguard Target Retirement 2035	VTTHX	\$497,329	0.08%	0.073%	\$398	\$361
Vanguard Target Retirement 2040	VFORX	\$7,325,799	0.08%	0.073%	\$5,861	\$5,320
Vanguard Target Retirement 2045	VTIVX	\$540,276	0.08%	0.073%	\$432	\$392
Vanguard Target Retirement 2050	VFIFX	\$3,206,543	0.08%	0.073%	\$2,565	\$2,329
Vanguard Target Retirement 2055	VFFVX	\$426,141	0.08%	0.073%	\$341	\$309
Vanguard Target Retirement 2060	VTTSX	\$184,636	0.08%	0.073%	\$148	\$134
Vanguard Target Retirement 2065	VLXVX	\$18,109	0.08%	0.073%	\$14	\$13
Vanguard Target Retirement 2070	VSVNX	\$0	0.08%	0.073%	\$0	\$0
TOTAL		\$33,788,752			\$41,701	\$24,536

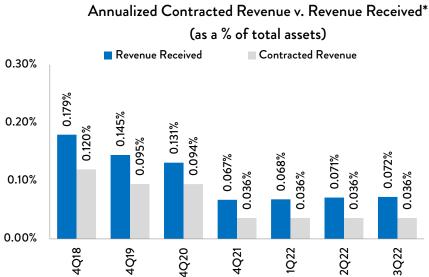
Plan Administration Cost	Quarter	Annualized
Plan Generated Revenue (est):	\$6,134	\$24,536
Contracted Revenue (est):	\$3,041	\$12,164
Net Excess/(Deficit) (est):	\$3,093	\$12,373

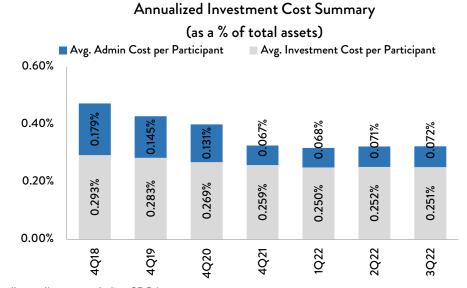
<sup>\*</sup>Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

401(k) Defined Contribution Plan Third Quarter 2022









<sup>\*</sup>Revenue received is 0.072% annually on all assets excluding SDBA. Contracted revenue is 0.036% annually on all assets excluding SDBA.

401(k) Defined Contribution Plan

Third Quarter 2022

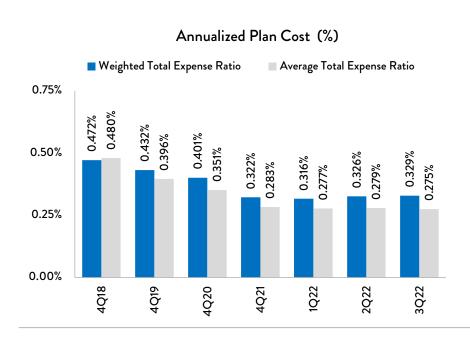
### Annualized

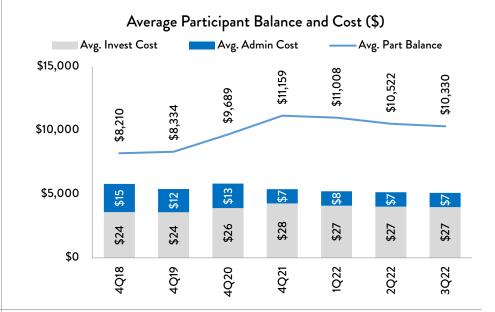
					Est. Total Invest.	Est. Total Admin
Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$49,095,120	0.34%	0.072%	\$166,923	\$35,574
Sterling Capital Total Return Bond R6	STRDX	\$3,718,748	0.35%	0.072%	\$13,016	\$2,695
Fidelity US Bond Index	FXNAX	\$757,502	0.03%	0.072%	\$189	\$549
Fidelity Intermediate Treasury Bond Index	FUAMX	\$404,567	0.03%	0.072%	\$121	\$293
Fidelity 500 Index	FXAIX	\$22,396,093	0.02%	0.072%	\$3,359	\$16,228
Hartford Core Equity R6	HAITX	\$21,740,315	0.36%	0.072%	\$78,265	\$15,753
Fidelity Mid Cap Index	FSMDX	\$11,809,917	0.03%	0.072%	\$2,952	\$8,557
Baron Growth Instl*	BGRIX	\$6,076,662	0.88%	0.072%	\$53,475	\$4,403
Hartford Schroders US Small Cap Opps SDR	SCURX	\$1,177,221	0.95%	0.072%	\$11,184	\$853
Fidelity Small Cap Index	FSSNX	\$6,592,179	0.03%	0.072%	\$1,648	\$4,777
MFS International Diversification R6	MDIZX	\$6,517,713	0.72%	0.072%	\$46,928	\$4,723
Fidelity Total International Index	FTIHX	\$3,349,997	0.06%	0.072%	\$2,010	\$2,427
Conservative Allocation Portfolio	-	\$9,228,634	0.25%	0.072%	\$23,072	\$6,687
Moderate Allocation Portfolio*	-	\$14,560,528	0.14%	0.072%	\$20,385	\$10,551
Aggressive Allocation Portfolio*	-	\$6,225,861	0.08%	0.072%	\$4,981	\$4,511
Vanguard Target Retirement Income	VTINX	\$108,685	0.08%	0.072%	\$87	\$79
Vanguard Target Retirement 2020	VTWNX	\$1,560,549	0.08%	0.072%	\$1,248	\$1,131
Vanguard Target Retirement 2025	VTTVX	\$213,386	0.08%	0.072%	\$171	\$155
Vanguard Target Retirement 2030	VTHRX	\$3,533,234	0.08%	0.072%	\$2,827	\$2,560
Vanguard Target Retirement 2035	VTTHX	\$403,493	0.08%	0.072%	\$323	\$292
Vanguard Target Retirement 2040	VFORX	\$2,486,043	0.08%	0.072%	\$1,989	\$1,801
Vanguard Target Retirement 2045	VTIVX	\$174,956	0.08%	0.072%	\$140	\$127
Vanguard Target Retirement 2050	VFIFX	\$1,652,672	0.08%	0.072%	\$1,322	\$1,198
Vanguard Target Retirement 2055	VFFVX	\$52,233	0.08%	0.072%	\$42	\$38
Vanguard Target Retirement 2060	VTTSX	\$7,817	0.08%	0.072%	\$6	\$6
Vanguard Target Retirement 2065	VLXVX	\$60,879	0.08%	0.072%	\$49	\$44
Vanguard Target Retirement 2070	VSVNX	\$60,879	0.08%	0.072%	\$49	\$44
Self-Directed Brokerage Account	-	\$1,181,337	-	0.000%	-	\$0
TOTAL	1	\$175,147,223	1		\$436,759	\$126,056

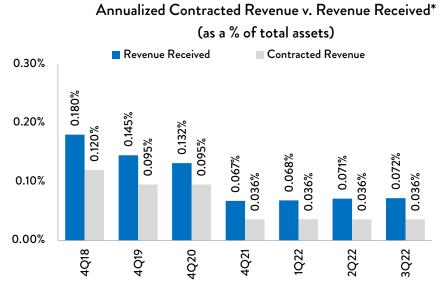
Plan Administration Cost		Quarter	Annualized
Pla	n Generated Revenue (est):	\$31,514	\$126,056
	Contracted Revenue (est):	\$15,657	\$62,628
	Net Excess/(Deficit) (est):	\$15,857	\$63,428

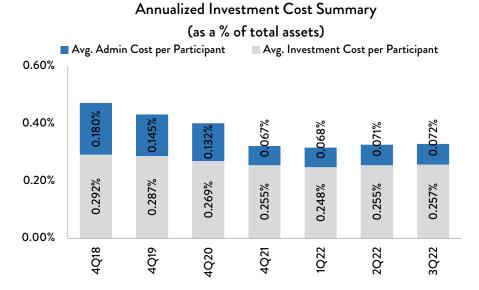
<sup>\*</sup>Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

Retirement Medical Trust
Third Quarter 2022









<sup>\*</sup>Revenue received is 0.072% annually on all assets excluding SDBA. Contracted revenue is 0.036% annually on all assets excluding SDBA.

Retirement Medical Trust

Third Quarter 2022

Annualized

					Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Voya Fixed Account**	-	\$85,597,897	0.41%	0.072%	\$350,951	\$61,596
Voya Government Money Market A	VYAXX	\$12,765	0.40%	0.072%	\$51	\$9
Sterling Capital Total Return Bond R6	STRDX	\$639,137	0.35%	0.072%	\$2,237	\$460
Fidelity US Bond Index	FXNAX	\$42,478	0.03%	0.072%	\$11	\$31
Fidelity Intermediate Treasury Bond Index	FUAMX	\$81,604	0.03%	0.072%	\$24	\$59
Fidelity 500 Index	FXAIX	\$3,065,683	0.02%	0.072%	\$460	\$2,206
Hartford Core Equity R6	HAITX	\$3,173,976	0.36%	0.072%	\$11,426	\$2,284
Fidelity Mid Cap Index	FSMDX	\$2,251,573	0.03%	0.072%	\$563	\$1,620
Baron Growth Instl*	BGRIX	\$1,801,706	0.88%	0.072%	\$15,855	\$1,297
Hartford Schroders US Small Cap Opps SDR	SCURX	\$288,686	0.95%	0.072%	\$2,743	\$208
Fidelity Small Cap Index	FSSNX	\$1,247,565	0.03%	0.072%	\$312	\$898
MFS International Diversification R6	MDIZX	\$658,227	0.72%	0.072%	\$4,739	\$474
Fidelity Total International Index	FTIHX	\$395,750	0.06%	0.072%	\$237	\$285
Conservative Allocation Portfolio	-	\$1,901,574	0.25%	0.072%	\$4,754	\$1,368
Moderate Allocation Portfolio*	-	\$3,769,677	0.14%	0.072%	\$5,278	\$2,713
Aggressive Allocation Portfolio*	-	\$4,945,722	0.08%	0.072%	\$3,957	\$3,559
Vanguard Target Retirement Income	VTINX	\$1,351,496	0.08%	0.072%	\$1,081	\$973
Vanguard Target Retirement 2020	VTWNX	\$13,253,998	0.08%	0.072%	\$10,603	\$9,538
Vanguard Target Retirement 2025	VTTVX	\$269,959	0.08%	0.072%	\$216	\$194
Vanguard Target Retirement 2030	VTHRX	\$27,076,161	0.08%	0.072%	\$21,661	\$19,484
Vanguard Target Retirement 2035	VTTHX	\$109,385	0.08%	0.072%	\$88	\$79
Vanguard Target Retirement 2040	VFORX	\$20,377,826	0.08%	0.072%	\$16,302	\$14,664
Vanguard Target Retirement 2045	VTIVX	\$9,425	0.08%	0.072%	\$8	\$7
Vanguard Target Retirement 2050	VFIFX	\$5,966,842	0.08%	0.072%	\$4,773	\$4,294
Vanguard Target Retirement 2055	VFFVX	\$20,667	0.08%	0.072%	\$17	\$15
Vanguard Target Retirement 2060	VTTSX	\$29,950	0.08%	0.072%	\$24	\$22
Vanguard Target Retirement 2065	VLXVX	\$10,270	0.08%	0.072%	\$8	\$7
Vanguard Target Retirement 2070	VSVNX	\$0	0.08%	0.072%	\$0	\$0
TOTAL	1	\$178,349,998			\$458,379	\$128,341

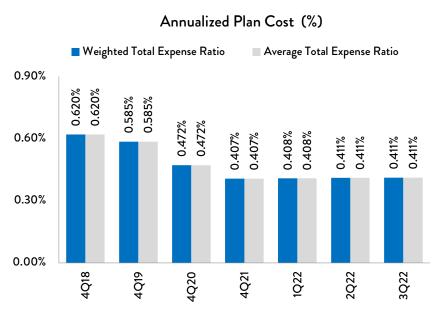
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$32,085	\$128,341
	Contracted Revenue (est):	\$16,051	\$64,206
	Net Excess/(Deficit) (est):	\$16,034	\$64,135

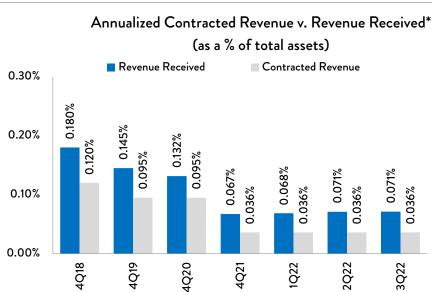
<sup>\*</sup>Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

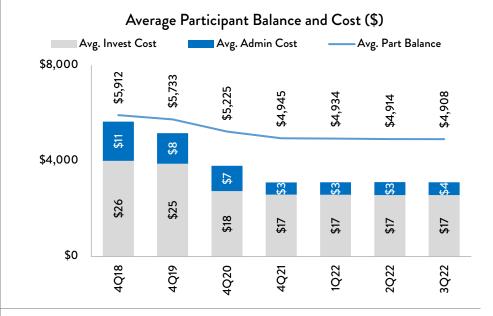
<sup>\*\*</sup>No explicit expense ratio given for the Voya Fixed Account. An expense ratio of 0.41% is assumed for reporting purposes.

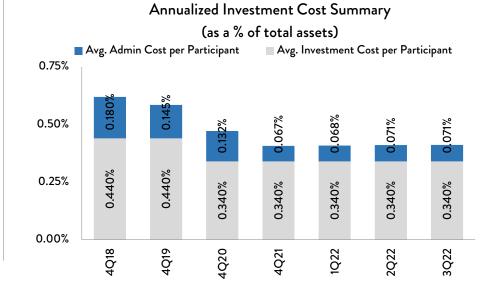
Section 6

Third Quarter 2022









PST Deferred Compensation Retirement Plan

### **PLAN FEE ANALYSIS**

Third Quarter 2022

### Annualized

Fund	Ticker	Quarter End Assets	Net Expense Ratio	Admin Fee
Stabilizer	-	\$46,026,768	0.34%	0.071%
TOTAL		\$46,026,768		

Est. Total Invest.	Est. Total Admin.
Cost	Cost
\$156,491	\$32,831
\$156.491	\$32,831

Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$8,208	\$32,831
	Contracted Revenue (est):	\$4,142	\$16,570
	Net Excess/(Deficit) (est):	\$4,065	\$16,261

Section 7

## **Aggressive Allocation Portfolio**

Lifestyle Portfolios are multi-asset type investment options that are intended to be managed in accordance with a plan participant's retirement time horizon, long-term return expectations and overall tolerance for risk of principal loss. Since the asset allocation decision is the most important factor in determining investment returns over time, these types of funds provide three "packaged," diversified investment choices for those seeking assistance in making the asset allocation decision. Lifestyle Portfolios are constructed to provide different long-term investment return and risk characteristics that are determined by their underlying sub-funds. The sub-funds are actively managed U.S. Stock, International Stock and U.S. Bond Funds that are also available as "stand-alone" investment funds.

Asset Class: Asset Allocation

Category: Lifestyle

**FUND FACTS** 

Inception Date: October 1, 2004

Investment advisory fee for period ended June 30, 2022: 0.08%

12b-1 fee: 0.00%

Other expenses: 0.04%

waivers or reductions for period ended June 30, 2022: 0.12% Total fund annual expenses without

reductions: -0.02% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended June 30, 2022: **0.10%** 

Turnover rate: 14%

charged under that program. If offered through a retirement program, additional fees and expenses may be

### Important Information

category information. Fund Company and/or Morningstar Category is interpreted by Voya® using

Strategy section San Bernardino and detailed within the percentage allocations designated by Lifestyle Portfolio, based upon the underlying investment options within the weighted blend of fees charged by the Investment advisory fee reflects

Commission. It is only available to participants in the San Bernardino qualified retirement program. Only invest in the Portfolio eligible participants in the plan may the Securities and Exchange investment company, and interests in the Portfolio have not been registered with This Portfolio is not a registered

representative. calling your local Voya expenses for the funds at any time by information on the charges and funds which contain additional prospectuses for the underlying You can obtain copies of free Other fees and charged under your

> enrollment material. retirement program. More information is included in the

accompany this Lifestyle Portfolio Each sub-fund description must

### Investment Objective

or more years, or who are comfortable with the higher short-term fluctuations aggressive of the three Lifestyle funds in terms of its potential for the greatest equity markets. that are characteristic of investing in who are able to remain invested for ten investment return as well as the greatest fixed income securities. It is the most fifteen percent (15%) are allocated to fund assets are allocated to equities and Eighty-five percent (85%) of the total provide long-term growth of capital with Aggressive Allocation Portfolio is to income as a minor consideration. The investment objective of the It is most suitable for participants

### Strategy

51

performance of common stocks publicly traded in the United States.
--- 8% in the Fidelity® Mid Cap Index --- 20% in the Sterling Capital Total Return Bond Fund - Class R6 Shares which seeks a high level of current results that correspond to the total return Fund which seeks to provide investment results that correspond to the total return which seeks to provide investment income and a competitive total return.
--- 35% in the Fidelity® 500 Index Fund investments in the following proportions: combination of active and passive Allocation Portfolio is to invest in a The strategy for the Aggressive

States companies of stocks of small-capitalization United results that correspond to the total return Fund which seeks to provide investment --- 5% in the Fidelity® Small Cap Index United States companies.

of stocks of mid-capitalization

provide investment results that correspond to the total return of foreign developed and emerging stock markets. International Index Fund which seeks to 32% in the Fidelity® Total

Managers, Investment Objectives, Strategies and Principal Risks, and must funds' Investment Advisers, Portfolio detailed information regarding the sub-Each sub-fund description contains more

> description. accompany this Lifestyle Portfolio

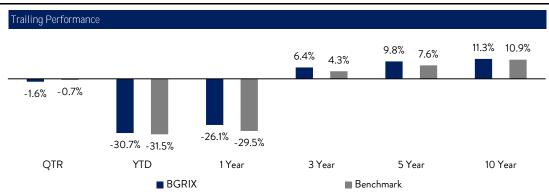
### Principal Risks

All equity (both U.S. and International) and fixed income investments exhibit funds described above. risk characteristics of the underlying sub-Portfolios are based on the proportionate relate to currency and political uncertainty. The risks of Lifestyle stocks do carry additional risks that for investment return. International that also provide the greatest potential principal is greater with investment funds Generally, the probability of loss of the potential for loss of principal value. certain risk characteristics that include

Product Details	
Name	Baron Growth Instl
Ticker	BGRIX
Expense Ratio	1.030%
Morningstar Category	US Fund Mid-Cap Growth
Benchmark	Russell Mid Cap Growth TR USD
Inception Date	5/29/2009
Longest Tenured Manager	Ronald Baron
Longest Manager Tenure	27.83 Years
Fund Size	\$6,258,337,754

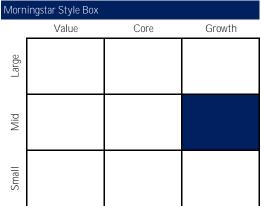
Fund Characteristics	BGRIX	+/- Category
% Assets in Top 10 Holdings	62.66%	38.37%
Average Market Cap (mil)	\$11,551	-\$2,862
P/E Ratio (TTM)	24.47	0.29
P/B Ratio (TTM)	3.68	0.04
Est. Dividend Yield	1.17%	0.36%

Sector Allocations	BGRIX	Category	+/- Category
Materials	0.0%	2.5%	-2.5%
Communication Services	5.6%	3.3%	2.3%
Consumer Discretionary	19.3%	12.7%	6.6%
Consumer Staples	0.0%	2.5%	-2.5%
Healthcare	10.2%	20.2%	-10.0%
Industrials	1.2%	14.5%	-13.3%
Real Estate	12.4%	3.5%	8.9%
Technology	12.5%	27.2%	-14.7%
Energy	0.0%	3.0%	-3.0%
Financial Services	38.7%	9.8%	28.9%
Utilities	0.0%	0.7%	-0.7%
Other	0.0%	0.0%	0.0%









■ Benchmark

Annual Performance

Fund Fact Sheet Data as of 09/30/2022

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• BGRIX	-1.61%	-30.67%	-26.12%	6.39%	9.81%	11.31%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-0.65%	-31.45%	-29.50%	4.26%	7.62%	10.85%	• BGRIX	-1.61%	-18.69%	-13.33%	6.56%
+/- Benchmark	-0.96%	0.78%	3.37%	2.13%	2.19%	0.45%	<ul> <li>Benchmark</li> </ul>	-0.65%	-21.07%	-12.58%	2.85%
Peer Group Rank	43	38	22	25	12	24	+/- Benchmark	-0.96%	2.38%	-0.75%	3.71%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• BGRIX	20.15%	33.05%	40.50%	-2.67%	27.35%	6.31%	Performance	3Q21	2021	1Q21	4Q20
• Benchmark	12.73%	35.59%	35.47%	-4.75%	25.27%	7.33%	• BGRIX	3.63%	7.80%	0.94%	21.10%
+/- Benchmark	7.42%	-2.53%	5.03%	2.08%	2.09%	-1.02%	<ul> <li>Benchmark</li> </ul>	-0.76%	11.07%	-0.57%	19.02%
Peer Group Rank	15	62	8	28	31	43	+/- Benchmark	4.39%	-3.27%	1.50%	2.08%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• BGRIX	9.81%	10.87%	16.93%	22.73%	21.16%	20.92%	• BGRIX	10.95%	27.46%	-22.30%	8.65%
Benchmark	7.62%	8.88%	15.10%	19.83%	19.27%	20.52%	• Benchmark	9.37%	30.26%	-20.04%	8.17%
+/- Benchmark	2.19%	1.99%	1.82%	2.90%	1.90%	0.39%	+/- Benchmark	1.57%	-2.81%	-2.26%	0.48%
Peer Group Rank	12	15	21	18	26	37					
							5-Year Quarterly				
Risk Statistics		Year		Year		Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• BGRIX	-0.69%	7.03%	21.67%	-18.53%
Alpha	2.28	0.00	2.17	0.00	0.59	0.00	• Benchmark	-0.67%	5.40%	19.62%	-15.99%
Beta	1.00	1.00	1.02	1.00	1.00	1.00	+/- Benchmark	-0.02%	1.62%	2.05%	-2.54%
Standard Deviation	25.04	24.18	22.51	21.45	17.70	16.95					
Sharpe Ratio	0.35	0.26	0.48	0.39	0.66	0.65	5-Year Quarterly				
Information Ratio	0.34	-	0.39	-	0.09	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	5.75	3.63	8.48	6.43	10.62	10.14	• BGRIX	7.94%	8.01%	2.47%	5.35%
Upside Capture Ratio	109.00	100.00	109.19	100.00	102.60	100.00	• Benchmark	7.57%	3.16%	2.17%	6.81%
Downside Capture Ratio	103.07	100.00	103.34	100.00	101.66	100.00	+/- Benchmark	0.36%	4.85%	0.30%	-1.45%

All data and information on this fact sheet is taken from sources believed to be accurate but is not guaranteed to be accurate, complete, or correct.

# **Baron Growth Instl (USD)**

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index

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99

**1 1 1** 

100

100

100

Investment Style Equity Stocks %

6 8 8 6 8 8 6 8 6 8 6

S&P 500 TR USD

Category Index
Russell Mid Cap
Growth TR USD

Morningstar Cat
US Fund Mid-Cap
Growth

No. in Cat	% Rank Cat	+/- Cat Index	+/- Std Index	Total Return	Std 09-30-2022	Load-adj Mthly	Trailing Returns	2022	2021	2020	Quarterly Returns	<b>Performance</b> 09-30-2022
582	31	3.37	-10.65	-26.12	-26.12	-26.12	1 Yr		0.94			1-30-2022
532	27	2.13	-1.77	6.39		6.39	3 Yr	-18.69	7.80	27.46		
491	13	2.19	0.58	9.81	9.81	9.81	5 Yr	-1.61	3.63	10.95	3rd Otr	
379	22	0.45	-0.40	11.31	11.31	11.31	10 Yr		6.56	21.10	4th Qtr Total %	
		I		13.10	13.10	13.10	Incept	-30.67	20.15	33.05	Total %	
2011				2							98	
2012											97	
2013											95	
2014											96	
2015											98	
		-			9	<u> </u>			1		[	
2016					_}						98	

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns,
derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 7-day Yield

Subsidized

Unsubsidized

51.35 1.51

73.12 38.69

-0.60 3.16

2.94 6.30

19

54.06 16.74 0.74 0.94

4.66 -9.03 -7.24 73.24

751

(if applicable) Morningstar metrics.

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-932-2766 or visit

Front-End Load %	Sales Charges	Fees and Expenses	www.baronfunds.com.
NA			

Deferred Load %

Ζ

llem

\$mil

<u>!</u>	Risk and Return Profile	Gross Expense Ratio %	Net Expense Ratio %	12b1 Expense %	Management Fees %	Fund Expenses
3 Yr 532 funds						
5 Yr 10 Yr 491 funds 379 funds						
10 Yr 379 funds		1.03	1.03	0.00	1.00	

nisk alla nettili Florile			
	3 Yr 537 funds	5 Yr	10 Yr
Morningstar Rating™	3 <b>⊁</b>	<b>4★</b>	4⊁
Morningstar Risk	+Avg	+Avg	+Avg
Morningstar Return	+Avg	+Avg	+Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	25.04	22.51	17.70
Mean	6.39	9.81	11.31
Sharpe Ratio	0.35	0.48	0.66
MPT Statistics	Standard Index		Best Fit Index
		Morning: Brd	Morningstar US Mid Brd Grt TB USD
Alpha	-1.81		0.39
Beta	<u>.</u>	1.13	1.05
R-Squared	84.89	89	95.63
12-Month Yield			
)			

751   737   703   74	749   733	644	617	605	618	604	588	597
Portfolio Analysis 09-30-2022	2							
Asset Allocation %	Net %	Long %	Long % Short %	Share Chg	Chg	Share	Share Holdings:	O H

ıs	biM	эбл		Value Bland Growth	Equity Style	Total	Other/Not Clsfd	Bonds	Non-US Stocks	US Stocks	Cash
Geo Avg Mkt Cap	P/B Ratio TTM	P/C Ratio TTM	P/E Ratio TTM	FULLULIO STATISTICS	Portfolio Statistics	100.00	0.46	0.00	0.48	99.06	0.00
11551 0.07 0.80	3.7			Avg I	Port	100.00	0.46	0.00	0.48	99.06	0.00
0.07	1.09	1.18	1.36	Index	D						
0.80	1.01	0.84	1.01	Cat	D D	0.00	0.00	0.00	0.00	0.00	0.00

Avg Eff Maturity  Avg Eff Duration  Avg Wtd Coupon  Avg Wtd Price	Fixed-Income Style	me Style		
Avg Eff Duration Avg Wtd Coupon Avg Wtd Price		Ext	Avg Eff Maturity	ī
		6iH	Avg Eff Duration	1
Avg Wtd Price		ų	Avg Wtd Coupon	
мод		baM	Avg Wtd Price	
		гом		

Avg Eff Maturity —
Avg Eff Duration —
Avg Wtd Coupon —
1
Rond %
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Stocks % Rel Std Index
99.5 1.01
0.5 0.49
0.0 0.00
. 8

No. of Funds in Cat	597	588	604	618	605	617	644	733	
% Rank Cat		20	52	6	22	25	44	79	
+/- Category Index	0.78	7.42	-2.53	5.03	2.08	2.09	-1.02	-3.86	
+/- Standard Index	-6.80	-8.55	14.66	9.02	1.72	5.52	-5.65	-5.44	
Total Return %	-30.67	20.15	33.05	40.50	-2.67	27.35	6.31	-4.06	
NAV/Price	84.34	121.65	108.85	85.69	63.17	69.55	60.82	64.31	
History	09-22	2021	2020	2019	2018	2017	2016	2015	
Performance Quartile (within category)									
	4 <del>k</del>								
35,961	10k								
— Standard Index	20%							1	
— Category Average	\$		<	}}					
33,865	40k								
Baron Growth Insti	60k								
Growth of \$10,000	80k								

Rel Std	Ansys Inc Bio-Techne Corp Morningstar Inc Primerica Inc IDEXX Laboratories Inc Stocks % 70.4	1 mil / 1 mil / 775,000 E 945,000 N 9 2 mil F 9 567,500   Sector Weightings	~ ~
	Ansys Inc Bio-Techne Corp Morningstar Inc Primerica Inc IDEXX Laboratories Inc Stocks 9	cycl	
	Ansys Inc Bio-Techne Corp Morningstar Inc Primerica Inc IDEXX Laboratories Inc	1 mil 1 mil 1 775,000 1 945,000 2 mil 1 567,500	
	Ansys Inc Bio-Techne Corp Morningstar Inc Primerica Inc IDEXX Laboratories Inc		
	Ansys Inc Bio-Techne Corp Morningstar Inc Primerica Inc	77! 94!	
	Ansys Inc Bio-Techne Corp Morningstar Inc	77! 94!	
	Ansys Inc Bio-Techne Corp	77	
	Ansys Inc	1 mil	
	namme and reisure riopernes i	5 IIII C	
	Camina and I ainura Drapartios I	П В.	
4.06	Kinsale Capital Group Inc	1 mil	7 0.80
5.18	Choice Hotels International Inc	3 mil	
5.57	Iridium Communications Inc	8 mil	36 1.01
5.84	CoStar Group Inc	5 mil	
6.60	Arch Capital Group Ltd	① 9 mil	
6.71	Gartner Inc	2 mil	0.00
6.86	Vail Resorts Inc	2 mil	0.00
7.63	FactSet Research Systems Inc	1 mil	0.00
10.40	MSCI Inc	① 2 mil	0.00
%	42 Total Stocks , 0 Total Fixed-Income, 1% Turnover Ratio	since Amount 06-2022	0.00
Net Assets	Holdings:	Share Chg Share	Short %

	0 w -	*	1 . 1 1 1 0 1
Purchase Constraints: Incept: Type: Total Assets:	→ <b>Defensive</b> ☐ Consumer Defensive  ☐ Healthcare  ☑ Utilities	✓ Sensitive  □ Communication Services  o Energy  Industrials  Technology	Sector Weightings  Cyclical  Basic Materials  Consumer Cyclical  Financial Services  Real Estate
A 05-29-2009 MF \$6,258.34 mil	10.2 0.0 10.2 0.0	<b>19.4</b> 5.6 0.0 1.2 12.5	Stocks % <b>70.4</b> 0.0 19.3 38.7 12.4
	0.40 0.00 0.67 0.00	<b>0.43</b> 0.69 0.00 0.15 0.53	Rel Std Index <b>2.37</b> 0.00 1.69 2.95 4.29

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Objective:

Growth 27.8 Years Multiple

Tenure:

Family:

Baron Capital Group, Inc.

Ticker:

BGRIX OSD

Base Currency:

ISIN:

Minimum Initial Purchase:

\$1 mil

US0682787041

Manager:

Potential Cap Gains Exp

84.33%

## Conservative **Allocation Portfolio**

Lifestyle Portfolios are multi-asset type investment options that are intended to be managed in accordance with a plan participant's retirement time horizon, long-term return expectations and overall tolerance for risk of principal loss. Since the asset allocation decision is the most important factor in determining investment returns over time, these types of funds provide three "packaged," diversified investment choices for those seeking assistance in making the asset allocation decision. Lifestyle Portfolios are constructed to provide different long-term investment return and risk characteristics that are determined by their underlying sub-funds. The sub-funds are actively managed U.S. Stock, International Stock and U.S. Bond Funds that are also available as "stand-alone" investment funds.

Asset Class: Asset Allocation Category: Lifestyle

**FUND FACTS** 

Inception Date: October 1, 2004

Investment advisory fee for period ended June 30, 2022: 0.01%

12b-1 fee: 0.00%

Other expenses: 0.24%

Total fund annual expenses without waivers or reductions for period ended June 30, 2022: 0.25%

reductions: 0.00% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended June 30, 2022: **0.25%** 

Turnover rate: 2%

charged under that program. If offered through a retirement program, additional fees and expenses may be

## Important Information

category information. Fund Company and/or Morningstar Category is interpreted by Voya® using

This Portfolio is not a registered Strategy section San Bernardino and detailed within the percentage allocations designated by Lifestyle Portfolio, based upon the underlying investment options within the weighted blend of fees charged by the Investment advisory fee reflects

the Securities and Exchange Commission. It is only available to participants in the San Bernardino invest in the Portfolio. eligible participants in the plan may qualified retirement program. Only Portfolio have not been registered with investment company, and interests in the

expenses for the funds at any time by calling your local Voya retirement program. expenses may be charged under your representative. Other fees and information on the charges and funds which contain additional prospectuses for the underlying You can obtain copies of free More

> enrollment material. information is included in the

## Investment Objective

and seventy percent (70%) are allocated to fixed income securities. It is the most of their portfolio in equity markets. characteristic of investing a large portion higher short-term fluctuations that are years, or are not comfortable with the need access to their money within five participants who are close to retirement, Lifestyle Funds. It is most suitable for in terms of its potential for investment conservative of the three Lifestyle Funds total fund assets are allocated to equities principal. on income and lower volatility of provide total returns with an emphasis Conservative Allocation Portfolio is to The investment objective of the but also has the lowest risk of the Thirty percent (30%) of the

Strategy
The strategy for the Conservative a higher interest rate from time to time.

The current rate is subject to change, but Value Option where stability of principal is the primary objective. Stabilizer<sup>SM</sup> minimum will never fall below the guaranteed for the life of the contract, and may credit guarantees a minimum rate of interest investments in the following proportions: combination of active and passive Allocation Portfolio is to invest in a 70% in the San Bernardino Stable

55

performance of common stocks publicly traded in the United States. results that correspond to the total return which seeks to provide investment 3% in the Fidelity® Mid Cap Index 13% in the Fidelity® 500 Index Fund

Fund which seeks to provide investment results that correspond to the total return of stocks of small-capitalization United United States companies. of stocks of mid-capitalization results that correspond to the total return Fund which seeks to provide investment 2% in the Fidelity® Small Cap Index

developed and emerging stock markets. correspond to the total return of foreign provide investment results that International Index Fund which seeks to 12% in the Fidelity® Total

States companies.

funds' Investment Advisers, detailed information regarding the sub-Each sub-fund description contains more Portfolio

> description. accompany this Lifestyle Portfolio Strategies and Principal Risks, and must

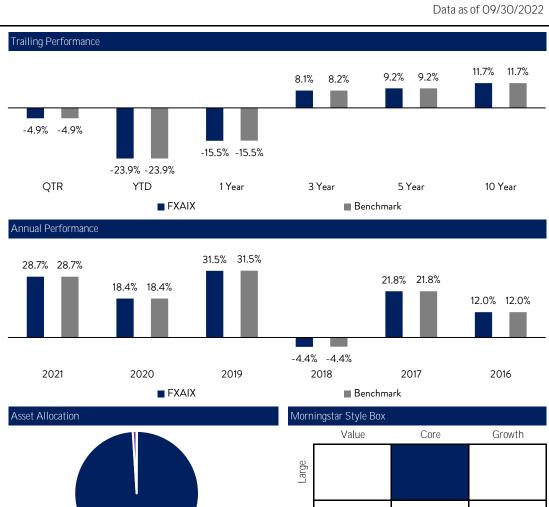
### Principal Risks

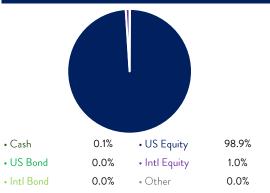
All equity (both U.S. and International) and fixed income investments exhibit the underlying sub-funds described the proportionate risk characteristics of risks of Lifestyle Portfolios are based on currency and political uncertainty. stocks carry additional risks that relate to for investment return. International that also provide the greatest potential principal is greater with investment funds Generally, the probability of loss of the potential for loss of principal value. certain risk characteristics that include

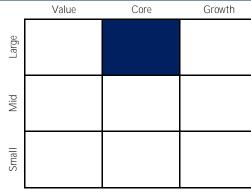
Product Details	
Name	Fidelity® 500 Index
Ticker	FXAIX
Expense Ratio	0.015%
Morningstar Category	US Fund Large Blend
Benchmark	S&P 500 TR USD
Inception Date	5/4/2011
Longest Tenured Manager	Louis Bottari
Longest Manager Tenure	13.75 Years
Fund Size	\$326,831,481,123

Fund Characteristics	FXAIX	+/- Category
% Assets in Top 10 Holdings	27.69%	-22.86%
Average Market Cap (mil)	\$181,998	-\$28,336
P/E Ratio (TTM)	19.64	1.40
P/B Ratio (TTM)	3.72	0.12
Est. Dividend Yield	1.79%	-0.17%

Sector Allocations	FXAIX	Category	+/- Category
Materials	2.2%	2.7%	-0.4%
Communication Services	8.4%	7.9%	0.5%
Consumer Discretionary	11.2%	10.2%	1.0%
Consumer Staples	7.2%	7.3%	-0.2%
Healthcare	14.2%	15.6%	-1.5%
Industrials	8.5%	10.1%	-1.6%
Real Estate	2.9%	2.5%	0.3%
Technology	24.7%	23.1%	1.6%
Energy	4.7%	4.1%	0.6%
Financial Services	13.0%	13.6%	-0.6%
Utilities	3.1%	2.8%	0.3%
Other	0.0%	0.0%	0.0%







Tarilla a Danfarana	OID-	VTD -	1)/	2.1/	F. \/	10.1/					
Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly			1000	
• FXAIX	-4.89%	-23.88%	-15.49%	8.15%	9.23%	11.69%	Performance	3Q22	2Q22	1Q22	4Q21
Benchmark	-4.88%	-23.87%	-15.47%	8.16%	9.24%	11.70%	• FXAIX	-4.89%	-16.10%	-4.60%	11.02%
+/- Benchmark	0.00%	-0.01%	-0.02%	-0.01%	-0.01%	-0.01%	<ul> <li>Benchmark</li> </ul>	-4.88%	-16.10%	-4.60%	11.03%
Peer Group Rank	45	46	37	20	16	11	+/- Benchmark	0.00%	0.00%	0.00%	-0.01%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FXAIX	28.69%	18.40%	31.47%	-4.40%	21.81%	11.97%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	28.71%	18.40%	31.49%	-4.38%	21.83%	11.96%	• FXAIX	0.58%	8.55%	6.18%	12.14%
+/- Benchmark	-0.01%	0.00%	-0.01%	-0.02%	-0.02%	0.01%	• Benchmark	0.58%	8.55%	6.17%	12.15%
Peer Group Rank	22	36	24	26	33	27	+/- Benchmark	-0.01%	0.00%	0.00%	-0.01%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FXAIX	9.23%	11.29%	15.98%	18.46%	16.88%	17.63%	• FXAIX	8.94%	20.53%	-19.59%	9.06%
• Benchmark	9.24%	11.31%	15.99%	18.47%	16.90%	17.65%	• Benchmark	8.93%	20.54%	-19.60%	9.07%
+/- Benchmark	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	+/- Benchmark	0.01%	-0.01%	0.00%	-0.01%
Peer Group Rank	16	15	13	17	20	23					
							5-Year Quarterly				
Risk Statistics	3,	Year	5 '	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FXAIX	1.69%	4.30%	13.65%	-13.53%
Alpha	-0.01	0.00	-0.01	0.00	-0.01	0.00	• Benchmark	1.70%	4.30%	13.65%	-13.52%
Beta	1.00	1.00	1.00	1.00	1.00	1.00	+/- Benchmark	0.00%	0.00%	0.00%	-0.01%
Standard Deviation	20.30	20.30	18.07	18.07	14.40	14.40					
Sharpe Ratio	0.45	0.45	0.51	0.51	0.79	0.79	5-Year Quarterly				
Information Ratio	-0.97	-	-0.98	-	-0.62	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	7.52	7.53	8.03	8.04	10.98	10.99	• FXAIX	7.71%	3.43%	-0.77%	6.65%
Upside Capture Ratio	99.96	100.00	99.97	100.00	99.97	100.00	• Benchmark	7.71%	3.43%	-0.76%	6.64%
Downside Capture Ratio	100.00	100.00	100.01	100.00	100.01	100.00	+/- Benchmark	0.00%	0.00%	-0.01%	0.00%
•											

All data and information on this fact sheet is taken from sources believed to be accurate but is not guaranteed to be accurate, complete, or correct.

# Fidelity® 500 Index (USD)

**₩ Gold** 02-16-2022

Morningstar Analyst Rating™ Overall Morningstar Rating™ 1,237 US Fund Large Blend

Standard Index S&P 500 TR USD

Russell 1000 TR Category Index

US Fund Large Blend **Morningstar Cat** 

Performance 09-30-2022	-30-2022					
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %	99 [
2020	-19.59	20.53	8.94	12.14	18.40	
2021	6.18	8. 55	0.58	11.02	28.69	
2022	-4.60	-16.10	-4.89		-23.88	
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept	
Load-adj Mthly	-15.49	8.15	9.23	11.69	11.13	
Std 09-30-2022	-15.49	1	9.23	11.69	11.13	
Total Return	-15.49	8.15	9.23	11.69	11.13	2
+/- Std Index	-0.02	-0.01	-0.01	-0.01		
+/- Cat Index	1.73	0.20	0.23	0.09		
% Rank Cat	40	22	19	=		
No. in Cat	1366	1237	1118	820		2011
		SL	Subsidized	Unsu	Unsubsidized	44.50
7-day Yield						2.10
Maily 030 veh-05						

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 7-day Yield

> 0.60 -0.01

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and (if applicable) Morningstar metrics.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 202-551-8090 or visit

www.institutional.fidelity.com.	
Fees and Expenses	
Sales Charges	
Front-End Load %	N
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.02
12b1 Expense %	NA
Net Expense Ratio %	0.02
Gross Expense Ratio %	0.02

12-Month Yield Potential Cap Gains Exp	R-Squared	Alpha	MPT Statistics	Sharpe Ratio	Mean	Standard Deviation		Morningstar Return	Morningstar Risk	Morningstar Rating™		Risk and Return Profile
	100.00	-0.01	Standard Index	0.45	8.15	20.30	3 Yr	+Avg	Avg	<b>4★</b>	3 Yr 5 Yr 1,237 funds 1,118 funds	
		ğ	S&P F	0.51	9.23	18.07	5Yr	+Avg	Avg	4	5 Yr 8 funds	
48.33%	100.00	-0.01	Best Fit Index	0.79	11.69	14.40	10 Yr	+Avg	Avg	4*	10 Yr 820 funds	

Below B

							ס
1.03	46.2	✓ Sensitive					BB
0.33	2.3	- near Estate					BBB
0 00	2 0	Roal Estato					
0.99	ces 13.0	Financial Services					⊳
0.98	ical 11.2	Consumer Cyclical	  -				A :
1.00	\$ 2.2	Basic Materials	8			ry bi cur	AAA
0.99	29.3	∿ Cyclical	Rond %		down —	tv Rroak	Credit Ouglity Breakdown —
Rel Std Index	Stocks %	Sector Weightings				тол	
0.98	Visa Inc Class A	① 18 mil			Avg Wtd Price	baM	
0.99	Procter & Gamble Co	① 26 mil			Avg Wtd Coupon	цбіі	
1.00	JPMorgan Chase & Co	① 32 mil			Avg Eff Duration	E E	Ltd Mod
1.12	Meta Platforms Inc Class A	<ul><li>25 mil</li></ul>			Ava Eff Maturity	ne Style	Fixed-Income Style
1.13	NVIDIA Corp	<ul><li>27 mil</li></ul>					
1.21	Exxon Mobil Corp	① 45 mil			\$mil	llem2	
1.27	Johnson & Johnson	① 28 mil	1 0 1.03	3./ I.IU	Geo Ava Mkt Can	biN	
1.46	UnitedHealth Group Inc	① 10 mil			P/C Ratio LIM	j ef	
1.52	Berkshire Hathaway Inc Class B	① 19 mil			P/E Ratio TTM	ine7	5000
1.80	Alphabet Inc Class C	① 59 mil	Cat		Portiolio statistics	Grawth	Equity Style  Value Blend Growth
1.95	Alphabet Inc Class A	① 65 mil	- 1		2		?
2.08	Tesla Inc	<ul><li>27 mil</li></ul>	0.08	100.08	100.00		Total
3.32	Amazon.com Inc	① 94 mil	0.00	0.00	0.00	Clsfd	Other/Not Clsfd
5.85	Microsoft Corp	① 80 mil	_	0.02	0.02		Bonds
7.24	Apple Inc	① 165 mil	_	1.00	1.00	ocks	Non-US Stocks
76	2% Tumover Ratio	07-2022	0.0 0.8 8	0.08 98.97	0.01 98.97		Cash US Stocks
Net Assets	Holdings:	Chg Share	Short %	Long %	Net %	ation %	Asset Allocation %
					Portfolio Analysis 08-31-2022	Analysi	Portfolio

Fidelity Investments Multiple 13.8 Years Growth and Income		Manager: Multiple	Tenure: 13.8 Years	Objective: Growth and Income
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Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$0	US3159117502	FXAIX	USD

Greater Europe Greater Asia

Americas Regional Exposure

99.0 1.0 0.0

Вe

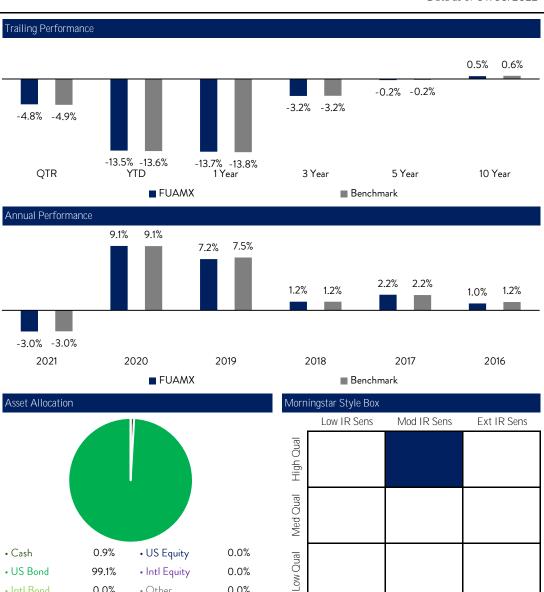
urchase Constraints:	A
ncept:	05-04-2011
ype:	MF
otal Assets:	\$326,831.47

326,831.47 mil

Product Details	
Name	Fidelity® Interm Trs Bd Index
Ticker	FUAMX
Expense Ratio	0.030%
Morningstar Category	US Fund Intermediate Government
Benchmark	Bloomberg US Treasury 5-10 Yr TR USD
Inception Date	10/4/2017
Longest Tenured Manager	Brandon C Bettencourt
Longest Manager Tenure	8.42 Years
Fund Size	\$4,250,041,699

Fund Characteristics	FUAMX	+/- Category
% Assets in Top 10 Holdings	36.90%	-28.69%
Average Eff Duration	6.32	0.70
Average Eff Maturity	-	-
Average Credit Quality	AAA	AA (Cat Avg.)
Average Coupon	1.58%	-0.75%

Sector Allocations	FUAMX	Category	+/- Category
Government	99.1%	55.1%	44.0%
Municipal	0.0%	0.4%	-0.4%
Bank Loan	0.0%	0.0%	0.0%
Convertible	0.0%	0.0%	0.0%
Corporate Bond	0.0%	0.9%	-0.9%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	0.0%	36.0%	-36.0%
Non-Agency RMBS	0.0%	0.0%	0.0%
Commercial MBS	0.0%	0.4%	-0.4%
Asset-Backed	0.0%	1.5%	-1.5%
Cash & Equivalents	0.9%	5.5%	-4.6%
Other	0.0%	0.1%	-0.1%



0.0%

• Other

0.0%

• Intl Bond

Fidelity® Interm Trs Bd Index FUAMX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• FUAMX	-4.79%	-13.51%	-13.71%	-3.20%	-0.21%	0.53%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-4.86%	-13.60%	-13.80%	-3.18%	-0.19%	0.60%	• FUAMX	-4.79%	-3.38%	-5.97%	-0.23%
+/- Benchmark	0.07%	0.09%	0.09%	-0.02%	-0.03%	-0.07%	• Benchmark	-4.86%	-3.41%	-5.99%	-0.23%
Peer Group Rank	31	67	61	37	19	24	+/- Benchmark	0.07%	0.02%	0.01%	0.00%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FUAMX	-3.00%	9.10%	7.25%	1.23%	2.20%	0.97%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	-2.97%	9.09%	7.48%	1.22%	2.17%	1.18%	• FUAMX	-0.14%	1.84%	-4.40%	-0.81%
+/- Benchmark	-0.03%	0.01%	-0.23%	0.01%	0.03%	-0.21%	• Benchmark	-0.06%	1.84%	-4.45%	-0.80%
Peer Group Rank	93	7	1	3	16	62	+/- Benchmark	-0.07%	-0.01%	0.05%	0.00%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FUAMX	-0.21%	0.85%	1.79%	3.26%	2.30%	2.24%	• FUAMX	0.26%	0.74%	8.91%	-0.91%
• Benchmark	-0.19%	0.91%	1.86%	3.30%	2.39%	2.32%	• Benchmark	0.35%	0.86%	8.66%	-0.76%
+/- Benchmark	-0.03%	-0.05%	-0.06%	-0.04%	-0.08%	-0.08%	+/- Benchmark	-0.09%	-0.12%	0.25%	-0.15%
Peer Group Rank	19	15	12	4	20	25					
							5-Year Quarterly				
Risk Statistics	3`	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FUAMX	2.16%	3.46%	2.40%	3.49%
Alpha	-0.01	0.00	-0.02	0.00	-0.07	0.00	<ul> <li>Benchmark</li> </ul>	2.12%	3.53%	2.44%	3.40%
Beta	1.00	1.00	1.00	1.00	1.01	1.00	+/- Benchmark	0.04%	-0.06%	-0.04%	0.09%
Standard Deviation	5.93	5.91	5.44	5.43	4.97	4.88					
Sharpe Ratio	-0.62	-0.62	-0.23	-0.23	-0.01	0.00	5-Year Quarterly				
Information Ratio	-0.07	-	-0.09	-	-0.23	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-3.83	-3.82	-1.40	-1.38	-0.18	-0.11	• FUAMX	-0.50%	-0.13%	-1.56%	-0.43%
Upside Capture Ratio	100.26	100.00	100.03	100.00	101.14	100.00	• Benchmark	-0.53%	-0.08%	-1.51%	-0.42%
Downside Capture Ratio	100.40	100.00	100.39	100.00	102.47	100.00	+/- Benchmark	0.03%	-0.06%	-0.04%	-0.01%

All data and information on this fact sheet is taken from sources believed to be accurate but is not guaranteed to be accurate, complete, or correct.

### Fidelity® Interm Trs Bd index (USD)

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	8.91	0.74	0.26	-0.81	9.10
2021	-4.40	1.84	-0.14	-0.23	-3.00
2022	-5.97	-3.38	-4.79		-13.51
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-13.71	-3.20		I	-0.21
Std 09-30-2022	-13.71	1	Ī	I	-0.21
Total Return	-13.71	-3.20	-0.21	0.53	-0.21
+/- Std Index	0.89	0.05	0.06	-0.36	
+/- Cat Index	-0.89	-0.15	-0.01	0.00	
% Rank Cat	66	41	21	18	
No. in Cat	238	225	214	178	

30-day SEC Yield 7-day Yield Performance Disclosure Subsidized Unsubsidized

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year

(if applicable) Morningstar metrics.

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit Current performance may be lower or higher than return data

### Morningstar Risk Morningstar Rating™ Management Fees % Standard Deviation Morningstar Return **Risk and Return Profile** Gross Expense Ratio % Net Expense Ratio % 12b1 Expense % Fund Expenses Deferred Load % Front-End Load % Sales Charges Fees and Expenses 225 funds 5.93 High Avg 3 Yr 5 Yr 214 funds 5.45 -0.21 +Avg High 5Yr 4₽ 178 funds +Avg 4.97 0.53 High 0.03 0.03 0.03 10 Yr 10 Yr 4☆ R Ζ

Mean

-3.20

-0.01

888

₽

Sharpe Ratio

Alpha

MPT Statistics

Standard Index

Eest Fit Index
Bloomberg US
Government TR USD

묾 Below B

0.35

1.13

Americas Regional Exposure

R-Squared

0.96 75.44 -0.08

96.39

Potential Cap Gains Exp

-2.58%

Greater Asia

Greater Europe

12-Month Yield

Portfo	4.02	13.04	2011	100
Portfolio Analysis 08-31-2022	1.39	÷	2012	Morningsta Rating <sup>TM</sup> \$\overline{\o
<b>/sis</b> 08-3	-2.10 —	-4.70 -2.67	2013	Morningstar Quantitative Rating <sup>TM</sup> Silver 0  93-20222  100 100 98 1
1-2022	1.50	6.41 0.45	2011	98
	0.81	1.67	2015	8 🚻
	-0.08 —	0.97	2016	Overall Mor  *** 225 US Fund Government  100 10
	-0.10 	10.67 2.20 -1.34	2017	Overall Morningstar Rating™ Standard Index  ★★★ Bloomberg US 225 US Fund Intermediate Agg Bond TR US Government  100 100 97 100 100 100 100 97 100 100
	0.35 9 235	10.56 1.23 1.22	2018	ystar Ra ermedia: 100
	0.42 1 232	11.08 7.25 -1.47	2010	ting TM
	1.16 4 234	11.72 9.10 1.60	2020	Standard Inde Bloomberg US Agg Bond TR U 100 100
	-0.73 93 241		2021	Standard Index Bloomberg US Agg Bond TR USD 100 100
	-0.56 — 238	9.54 -13.51 1.10	06.22	Category Index Bloomberg US Bloomberg US D Government TR USD Inver 99 Bonn -40k Grov -10k -10k
	+/- Category Index % Rank Cat No. of Funds in Cat	NAV/Price Total Return % +/- Standard Index	Performance Quartile (within category)	Index Morningstar Cat g US US Fund Intermediate ant TR Government  Investment Style Fixed-Income Bond %  Growth of \$10,000  — Fidelity® Interm Trs Bd Index 12,359 — Category Average 11,096 — Standard Index 12,254

₽}						Ltd Mod	Fixed-Income Style						Value Blend Growth	Fauity Style	Total	Other/Not Clsfd	Bonds	Non-US Stocks	US Stocks	Cash	Asset Allocation %	Portfoli	
	антув					Ext	ome St						Grawth	•		ot Cls		Stock	ŝ		ocatio	o Ana	
	reakd		гом	baM	цбіі	1	γle		llem2	PIM	əE	γ				ď		0,			%	lysis	
	Crean Cuainy Breakdown 08-31-2022 000	00 01 0000		Avg Wtd Price	Avg Wtd Coupon	Avg Eff Duration	Avg Eff Maturity		\$mil	P/B Ratio I IIVI	P/C Ratio I IM	P/E Ratio TTM	i ornono oranonos	Portfolio Statistics	100.00	0.00	99.08	0.00	0.00	0.92	Net %	Portfolio Analysis 08-31-2022	
													=	Port Rel	100.00	0.00	99.08	0.00	0.00	0.92	Long %		
0.00	100 On	2		89.74	6	6 37					1			- 	0.00	0.00	0.00	0.00	0.00	0.00	Short %		
Cons	asic Basic	Դ Cyclical	Sector Weightings	1		•	•	<b>⊕</b>		•				Θ	€	•	•	•	07-2022	since	Share Chg		
Consumer Cyclical	Basic Materials	ical	ightings	129 mil	117 mil	120 mil	138 mil	144 mil	146 mil	165 mil	164 mil	178 mil	163 mil	101	200 IIIII 2014 mil	207 mil	221 mil	239 mil	<u>:</u>	Amount	Share		
lical	S			United States Treasury Notes 1.625%	United States Treasury Notes 3.125%	United States Treasury Notes 2.875%	United States Treasury Notes 1.125%	United States Treasury Notes 1.25%	United States Treasury Notes 1.5%	United States Treasury Notes 0.875%	United States Treasury Notes 0.625%	United States Treasury Notes 1.125%	United States Treasury Notes 2.875%		United States Treasury Notes 0.625%	United States Treasury Notes 1.625%	United States Treasury Notes 1.3/5%	United States Freasury Notes 1.8/5%	54% Turnover Katio	0 Total Stocks , 58 Total Fixed-Income,	Holdings:		
I	I	I	Stocks %	sury Notes 1.625%	sury Notes 3.125%	sury Notes 2.875%	sury Notes 1.125%	sury Notes 1.25%	sury Notes 1.5%	sury Notes 0.875%	sury Notes 0.625%	sury Notes 1.125%	sury Notes 2.875%	od y Tvorco o.o.co /o	sury Notes 1.25%	sury Notes 1.625%	sury Notes 1.3/5%	sury Notes 1.875%		l Fixed-Income,			
1		I	Rel Std Index	2.54	2.58	2.61	2.71	2.86	2.90	3.08	3.18	3.38	3.54	9.7	3.34	4.16	4.23	4.//		%	Net Assets		

61

		I		Rel Std Index	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	D 00 0/	
Purchase Constraints: Incept: Type: Total Assets:	<b>U</b> tilities	Healthcare	→ Defensive	Technology	ndustrials	◆ Energy	Communication Services	∨ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	∿ Cyclical	Sector Weightings
A 10-04-2017 MF \$4,250.04 mil	I		I		l	I		I	I			I	1	Stocks %
			1		l	l		ı	1			I	1	Rel Std Index

Objective:	Tenure:	Manager:	Family:
Government Bond - Treasury	8.4 Years	Multiple	Fidelity Investments

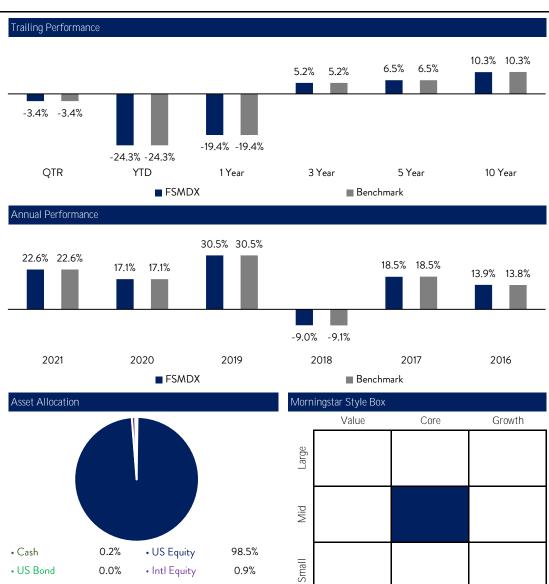
Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:	
\$0	US31635V2575	FUAMX	USD	

10-04-201	==-מטר.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
10 0/ 201-	DOD:	
	- didiado conocidino.	
Þ	Purchase Constraints:	

Product Details	
Name	Fidelity® Mid Cap Index
Ticker	FSMDX
Expense Ratio	0.025%
Morningstar Category	US Fund Mid-Cap Blend
Benchmark	Russell Mid Cap TR USD
Inception Date	9/8/2011
Longest Tenured Manager	Louis Bottari
Longest Manager Tenure	11.08 Years
Fund Size	\$22,139,857,043

Fund Characteristics	FSMDX	+/- Category
% Assets in Top 10 Holdings	4.63%	-10.55%
Average Market Cap (mil)	\$17,157	\$8,407
P/E Ratio (TTM)	16.29	2.90
P/B Ratio (TTM)	2.69	0.41
Est. Dividend Yield	1.74%	0.01%

Sector Allocations	FSMDX	Category	+/- Category
Materials	5.0%	5.3%	-0.3%
Communication Services	4.1%	2.8%	1.3%
Consumer Discretionary	12.0%	13.1%	-1.1%
Consumer Staples	3.9%	4.4%	-0.5%
Healthcare	10.1%	11.3%	-1.1%
Industrials	14.7%	16.3%	-1.5%
Real Estate	8.7%	7.5%	1.2%
Technology	17.1%	15.4%	1.7%
Energy	5.2%	5.1%	0.1%
Financial Services	13.2%	14.9%	-1.7%
Utilities	5.9%	4.0%	2.0%
Other	0.0%	0.0%	0.0%



0.0%

• Other

0.3%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• FSMDX	-3.42%	-24.26%	-19.38%	5.19%	6.48%	10.29%	Performance	3Q22	2022	1Q22	4Q21
• Benchmark	-3.44%	-24.27%	-19.39%	5.19%	6.48%	10.30%	• FSMDX	-3.42%	-16.85%	-5.69%	6.44%
+/- Benchmark	0.02%	0.01%	0.01%	0.00%	0.00%	-0.01%	<ul> <li>Benchmark</li> </ul>	-3.44%	-16.85%	-5.68%	6.44%
Peer Group Rank	39	71	74	52	27	18	+/- Benchmark	0.02%	0.00%	-0.01%	0.00%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FSMDX	22.56%	17.11%	30.51%	-9.05%	18.47%	13.86%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	22.58%	17.10%	30.54%	-9.06%	18.52%	13.80%	• FSMDX	-0.93%	7.47%	8.15%	19.89%
+/- Benchmark	-0.02%	0.01%	-0.03%	0.01%	-0.05%	0.07%	• Benchmark	-0.93%	7.50%	8.14%	19.91%
Peer Group Rank	63	25	27	31	29	56	+/- Benchmark	0.00%	-0.03%	0.01%	-0.02%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FSMDX	6.48%	7.95%	12.61%	15.08%	14.37%	15.61%	• FSMDX	7.49%	24.55%	-27.04%	7.06%
• Benchmark	6.48%	7.96%	12.62%	15.10%	14.39%	15.62%	• Benchmark	7.46%	24.61%	-27.07%	7.06%
+/- Benchmark	0.00%	-0.01%	-0.01%	-0.02%	-0.02%	-0.01%	+/- Benchmark	0.03%	-0.06%	0.03%	0.00%
Peer Group Rank	27	29	19	17	20	23					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FSMDX	0.44%	4.14%	16.53%	-15.32%
Alpha	0.00	0.00	0.00	0.00	0.00	0.00	<ul> <li>Benchmark</li> </ul>	0.48%	4.13%	16.54%	-15.37%
Beta	1.00	1.00	1.00	1.00	1.00	1.00	+/- Benchmark	-0.04%	0.01%	0.00%	0.06%
Standard Deviation	23.05	23.07	20.30	20.31	16.07	16.09					
Sharpe Ratio	0.31	0.31	0.35	0.35	0.65	0.65	5-Year Quarterly				
Information Ratio	0.01	-	-0.01	-	-0.08	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	4.56	4.56	5.29	5.29	9.59	9.59	• FSMDX	4.97%	2.80%	-0.48%	6.08%
Upside Capture Ratio	99.89	100.00	99.90	100.00	99.88	100.00	• Benchmark	5.00%	2.82%	-0.46%	6.07%
Downside Capture Ratio	99.88	100.00	99.88	100.00	99.85	100.00	+/- Benchmark	-0.02%	-0.02%	-0.02%	0.01%

All data and information on this fact sheet is taken from sources believed to be accurate but is not guaranteed to be accurate, complete, or correct.

### (USD) Fidelity® Mid Cap Index

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-27.04	24.55	7.49	19.89	17.11
2021	8.15	7.47	-0.93	6.44	22.56
2022	-5.69	-16.85	-3.42		-24.26
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-19.38	5.19	6.48	10.29	10.99
Std 09-30-2022	-19.38	I	6.48	10.29	10.99
Total Return	-19.38	5.19	6.48	10.29	10.99
+/- Std Index	-3.91	-2.97	-2.76	-1.41	1
+/- Cat Index	0.01	0.00	0.00	-0.01	
% Rank Cat	79	57	30	19	
No. in Cat	411	367	335	218	

30-day SEC Yield 7-day Yield Subsidized Unsubsidized

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. The performance data quoted represents past performance and

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit

#### **Fund Expenses** Deferred Load % Front-End Load % Sales Charges Fees and Expenses ž ĸ

12-Month Yield	R-Squared	Beta	Alpha	MP I Statistics		Sharpe Ratio	Mean	Standard Deviation		Morningstar Return	Morningstar Risk	Morningstar Rating <sup>™</sup>	!	How and Hermin I forme	Rick and Return Profile	Gross Expense Ratio %	Net Expense Ratio %	12b1 Expense %	Management Fees %
	91.76		-2.97	Standard Index	-	0.31	5.19	23.05	3 Yr	Avg	Avg	3 <b>★</b>	367 funds	2 Yr					
	76	1.09	97	Russe		0.35	6.48	20.30	5Yr	+Avg	Avg	4*	335 funds	л <-					
1	100.00	1.00	0.00	Best Hit Index Russell Mid Cap TR USD	!	0.65	10.29	16.08	10 Yr	+Avg	Avg	4≠	218 funds	10 Vr		0.03	0.03	NA	0.03

₽

Credit Quality Breakdown AAA

1 1	l		10.39	2011			92	
41 412	-0.06	1.21	11.96	2012			99	Morningsta Rating <sup>TM</sup> <b>3 Gold</b> <sup>a</sup> 09-30-2022
45 399	0.02	34./8 2.39	15.83	2013		<b>\</b>	99	Morningstar Quantitative Rating <sup>™</sup> 3 Gold <sup>Q</sup> 09-30-2022
7 369	-0.10	-0.57	17.45	2014			88	uantitat
27 432	0.00	-3.83	16.32	2015		}	99	
59 427	0.07	1.90	18.17	2016		<b>\</b>	98	Overall Morningstar Rating™ ★★★★ 367 US Fund Mid-Cap Blend
24 443	-0.05	-3.36	20.98	2017			10 🔣	Morning Fund Mi
29 464	0.01	-9.05 -4.67	18.63	2018		<b>\$</b>	8	<b>ystar Ra</b> d-Cap Bl
18 404	-0.03	-0.98	23.63	2019		<b>}</b>	99	
21 407	0.01	17.11 -1.29	27.01	2020		M.	100	Standard Index S&P 500 TR USI
67 391	-0.02	-6.14	31.99	2021			<b>1</b> 0 <b>■</b>	Standard Index S&P 500 TR USD
413	0.01	-24.26 -0.39	24.04	09-22		20k	99 100k	Category Index Russell Mid Cap USD
% Rank Cat No. of Funds in Cat	+/- Category Index	lotal Return % +/- Standard Index	NAV/Price	History	Performance Quartile (within category)	Growth of \$10,000  Fidelity® Mid Cap Index 34,077  Category Average 28,794  Standard Index 39,378	Investment Style Equity Stocks %	Category Index Morningstar Cat Russell Mid Cap TR US Fund Mid-Cap USD Blend

Portfolio Analysis 08-31-2022	is 08-31-2022						
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings:	Net Assets
Cash	-0.01	0.20	0.22	since	Amount	827 Total Stocks , 1 Total Fixed-Income,	%
US Stocks	98.75	98.75	0.00	0/-2022		12% Turnover Ratio	)
Non-US Stocks	0.89	0.89	0.00	•	379,908	Synopsys Inc	0.54
Bonds	0.02	0.02	0.00	<b>⊕</b>	679,773	Cadence Design Systems Inc	0.49
Other/Not CIsfd	0.34	0.34	0.00	•	2 mil	Devon Energy Corp	0.48
Total	100.00	100 27	0 23	•	162,769	O'Reilly Automotive Inc	0.47
		1	1	•	2 mil	Corteva Inc	0.46
Equity Style	Portfolio Statistics	Port Rel Avg Index	^ _ 요란	<b>•</b>	69,330	Chipotle Mexican Grill Inc	0.46
Tell ones	P/E Ratio TTM			•	1 mil	Amphenol Corp Class A	0.44
әб	P/C Ratio TTM	13.2 0.97		•	1 mil	Phillips 66	0.44
biM				•	49,388	AutoZone Inc	0.43
llsm2	\$mil	0.10	.50	•	3 mil	3 mil Williams Companies Inc	0.43
				<b>⊕</b>	1 mil	Realty Income Corp	0.42
Fixed-Income Style				<b>①</b>	631,013	Cheniere Energy Inc	0.42
Ltd Mod Ext	Avg ETT Maturity			Ð		Xcel Energy Inc	0 42
ИgiH	Avg Wtd Collon			⊕ (	410,265	Motorola Solutions Inc	0.41
bəM	Avg Wtd Price			•	469,104	469,104 IQVIA Holdings Inc	0.41
мот				Sector Weightings	siahtinas	Stocks %	Rel Std Index
					,	200	

!	2 49	0.75	1.00	Rel Std Index			1		1			- %	D 0/	
Utilities	◆ Healthcare	Consumer Defensive	→ Defensive	Technology	Industrials	♠ Energy	Communication Services	√ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	Դ Cyclical	Sector Weightings
5.9	10.1	3.9	20.0	17.1	14.7	5.2	4.1	41.1	8.7	13.2	12.0	5.0	38.9	Stocks %
1.93	0.67	0.54	0.78	0.72	1.77	1.15	0.51	0.92	3.01	1.01	1.05	2.22	1.31	Rel Std Index

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Objective:

Growth 11.1 Years Multiple Fidelity Investments

Tenure:

Family:

Manager:

Ticker:

FSMDX US3161462656

Incept:

09-08-2011

Purchase Constraints:

Base Currency:

ISIN:

Minimum Initial Purchase:

\$0

Total Assets:

\$22,139.86 mil

Potential Cap Gains Exp

16.53%

Greater Europe Greater Asia

99.2 0.7 0.1

Americas

Regional Exposure

Stocks %

Below B

888

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Product Details	
Name	Fidelity® Small Cap Index
Ticker	FSSNX
Expense Ratio	0.025%
Morningstar Category	US Fund Small Blend
Benchmark	Russell 2000 TR USD
Inception Date	9/8/2011
Longest Tenured Manager	Louis Bottari
Longest Manager Tenure	11.08 Years
Fund Size	\$17,061,811,787

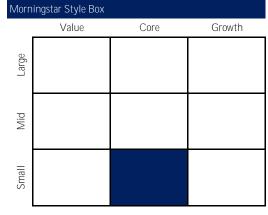
Fund Characteristics	FSSNX	+/- Category
% Assets in Top 10 Holdings	4.15%	-20.35%
Average Market Cap (mil)	\$2,211	-\$1,527
P/E Ratio (TTM)	12.98	0.99
P/B Ratio (TTM)	1.95	0.01
Est. Dividend Yield	1.42%	-0.13%

Sector Allocations	FSSNX	Category	+/- Category
Materials	4.2%	4.6%	-0.4%
Communication Services	2.7%	2.7%	0.0%
Consumer Discretionary	10.1%	11.3%	-1.2%
Consumer Staples	4.0%	4.3%	-0.3%
Healthcare	16.9%	14.4%	2.6%
Industrials	14.4%	17.2%	-2.8%
Real Estate	8.5%	7.0%	1.4%
Technology	14.5%	14.1%	0.5%
Energy	5.6%	5.0%	0.5%
Financial Services	15.7%	16.7%	-1.0%
Utilities	3.4%	2.8%	0.7%
Other	0.0%	0.0%	0.0%









Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• FSSNX	-2.08%	-24.96%	-23.39%	4.35%	3.65%	8.71%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-2.19%	-25.10%	-23.50%	4.29%	3.55%	8.55%	• FSSNX	-2.08%	-17.18%	-7.47%	2.10%
+/- Benchmark	0.10%	0.14%	0.11%	0.06%	0.09%	0.16%	• Benchmark	-2.19%	-17.20%	-7.53%	2.14%
Peer Group Rank	13	67	84	53	53	44	+/- Benchmark	0.10%	0.02%	0.05%	-0.04%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FSSNX	14.71%	19.99%	25.71%	-10.88%	14.85%	21.63%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	14.82%	19.96%	25.52%	-11.01%	14.65%	21.31%	• FSSNX	-4.40%	4.26%	12.73%	31.28%
+/- Benchmark	-0.11%	0.03%	0.18%	0.14%	0.20%	0.32%	• Benchmark	-4.36%	4.29%	12.70%	31.37%
Peer Group Rank	90	14	37	38	27	44	+/- Benchmark	-0.04%	-0.04%	0.03%	-0.09%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FSSNX	3.65%	5.25%	9.84%	12.11%	13.56%	16.59%	• FSSNX	4.98%	25.49%	-30.62%	10.01%
• Benchmark	3.55%	5.17%	9.74%	12.02%	13.45%	16.47%	• Benchmark	4.93%	25.42%	-30.61%	9.94%
+/- Benchmark	0.09%	0.08%	0.09%	0.09%	0.11%	0.13%	+/- Benchmark	0.05%	0.07%	-0.01%	0.07%
Peer Group Rank	53	59	43	37	25	8					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FSSNX	-2.34%	2.13%	14.56%	-20.17%
Alpha	0.06	0.00	0.09	0.00	0.15	0.00	• Benchmark	-2.40%	2.10%	14.58%	-20.20%
Beta	1.00	1.00	1.00	1.00	1.00	1.00	+/- Benchmark	0.06%	0.04%	-0.02%	0.03%
Standard Deviation	25.46	25.47	22.81	22.81	18.88	18.88					
Sharpe Ratio	0.27	0.27	0.22	0.22	0.50	0.49	5-Year Quarterly				
Information Ratio	0.68	-	1.07	-	1.57	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	3.71	3.65	2.45	2.36	8.00	7.84	• FSSNX	3.63%	7.79%	-0.05%	3.38%
Upside Capture Ratio	100.13	100.00	100.22	100.00	100.34	100.00	• Benchmark	3.58%	7.75%	-0.08%	3.34%
Downside Capture Ratio	99.95	100.00	99.91	100.00	99.76	100.00	+/- Benchmark	0.05%	0.03%	0.03%	0.04%

## (USD) Fidelity® Small Cap Index

Performance U9-3U-ZUZZ	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-30.62	25.49	4.98	31.28	19.99
2021	12.73	4.26	-4.40	2.10	14.71
2022	-7.47	-17.18	-2.08		-24.96
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-23.39	4.35	3.65	8.71	9.83
Std 09-30-2022	-23.39	I	3.65	8.71	9.83
Total Return	-23.39	4.35	3.65	8.71	9.83
+/- Std Index	-7.92	-3.81	-5.59	-2.99	
+/- Cat Index	0.11	0.06	0.09	0.16	
% Rank Cat	85	60	57	48	
No. in Cat	607	578	536	356	

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 7-day Yield Subsidized Unsubsidized

> 2011 10.66

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

(if applicable) Morningstar metrics.

quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit Current performance may be lower or higher than return data

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1.84 1.66 0.36 0.30 0.28

ShockWave Medical Inc

#### Sales Charges www.institutional.fidelity.com Fees and Expenses

0.03	Gross Expense Ratio %
0.03	Net Expense Ratio %
NA	12b1 Expense %
0.03	Management Fees %
	Fund Expenses
NA	Deferred Load %
NA	Front-End Load %

Fund Expenses			
Management Fees %			0.03
12b1 Expense %			NA
Net Expense Ratio %			0.03
Gross Expense Ratio %			0.03
Risk and Return Profile			
	3 Yr 578 funds	5 Yr 536 funds	10 Yr 356 funds
Morningstar Rating™	3 <b>★</b>	3★	3★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	25.46	22.81	18.88
Mean	4.35	3.65	8.71
Sharpe Ratio	0.27	0.22	0.50
MPT Statistics	Standard Index		Best Fit Index Russell 2000 TR
Alpha	-3.49	49	0.06
Beta	<u>.</u>	1.12	1.00
R-Squared	79.87	87	100.00
12-Month Yield			I

Morningstar ( Rating <sup>TM</sup> Bronze 0 09-30-2022  Bronze 0 98 99	}	2012	12.15	16.38 0.38
ingstar Q inze o 022 022	X	2013	16.54	39.02 6.64
Quantitative	<b>\</b>	2014	16.79	5.19 -8.50
ÿe ive		2015	15.46	-4.24 -5.63
0verall  ★★★  578 US	Š	2016	18.36	21.63 9.67
Overall Morning:  ***  578 US Fund Sma  ###  ###  83  99		2017	20.32	14.85 -6.98
<u> </u>	: :			

	_												
	0.03	0.20	0.30	0.17	0.32	0.20	0.14	0.18	0.03	-0.11	0.14	+/- Category Index	
1	34	జ	40	4	34 33 40 44 40	22 33 30 14 93	జ	ၶ	14	ස	1	% Rank Cat	
1	662	681	737	780	750	802	769	702	671	630	609	No. of Funds in Cat	
Portfoli	io Analy	Portfolio Analysis 07-31-2022	1-2022										
Asset All	Asset Allocation %	6		Net %	Long %	Short %			Share	Holdings:	-	Share Holdings:	Net Assets
Cash				-0.06	1.85	1.90	SINCE	~	mount	1,9/1 lota 24% Turno	Stocks, 1	lotal Hixed-Income,	%
US Stocks	ks			38.27	98.27	0.00		,		24 % IUIIIOVEI nauo	Well haut	H	2
Non-US	Stocks			1.67	1.67	0.00	•	ړي	I III	ridelity	351 mil Fidelity Revere Str Ir		1.84
Bonds				0.11	0.11	0.00	袋		3,357	E-mini R	ussell 20	3,357 E-mini Russell 2000 Index Future S	1.66
Other/Not Clsfo	ot Clsfd			0.00	0.00	0.00	<b>⊕</b>	46	9,146	Biohaver	າ Pharma	469,146 Biohaven Pharmaceutical Holding Co	0.36
							)	2	000	01-11/1/	200 400 Charlantana Madiani Ina		000

Total				100.00	101.90	0	1.90
Equity	Equity Style	u		Portfolio Statistics	Port	Rel	Rel
Value	Blend	Growth		D/T D-1:- TTM	a AVG	xapul	3 E
			eη	r/E natio i livi	3.0	0.72	.Uo
			agi	P/C Ratio TTM	10.5	0.77	1.05
			biM	P/B Ratio TTM	2.0	0.58	1.01
			sm2	Geo Avg Mkt Cap	2211	0.01	0.59
			II				

214,786 276,906 268,400 469,146

**RBC** Bearings Inc Chart Industries Inc

			Ed	ĕ	
			Mod	ixed-Income Style	
			Ext	me St	
γoη	baM	нgiH		ě	lle
	Avg Wtd Price -	Avg Eff Duration -	Avg Eff Maturity		φ!!!!

Fixed-Income Style	Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price	
Mod	Avg Eff Maturity	
	Avg Eff Duration	
ч	Ava Wtd Coupon	
belM	Avg Wtd Price	1
мот		
Credit Quality Breakdown —	lown —	Bond %
ΔΔΔ		

-		
Credit Quality Breakdown —		Bond %
AAA		
AA		
Α		
BBB		1
BB		
В		1
Below B		
NR		1
Regional Exposure	Stocks %	Rel Std Index
Americas	99.3	1.00
Greater Europe	0.4	0.36
Greater Asia	0.4	10.43
Greater Asia	0.4	10.43

⊪ Morningstar Rating™ Standard Index	tandard Index
SS	S&P 500 TR USD
S Fund Small Blend	

S&P 500 TR USD Russ US Fund Small Blend USC	The state of the s
JSD Russell 2000 T USD	on ourogoly made

Rating ""	Standard Index	Catego
	S&P 500 TR USD	Russel
end		USD

_	P 500 TR USD F	ndard Index
USD	Russell 2000	Category Ind



Index	Morningstar Cat
)00 TR	US Fund Small Blend

Standard Index	30,354 — Category Average	Fidelity® Small Cap Index	Stocks %	Investment Style Equity
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4

6 8 8 6 8 8 6 8 6 8 6

39,378	27,607	Category Average	10,00

· 20k <u>,</u>

<b>Ξ</b> :	(v. P	
History	Performance Quartile (within category)	
	Quartile γ)	

-						4k	
Ш							Performance Quartile (within category)
2016	2017	2018	2019	2020	2021	09-22	History
3.36	20.32	17.24	21.03	24.98	27.56	20.68	NAV/Price
.63	14.85	-10.88	25.71	19.99	14.71	-24.96	Total Return %
3.67	-6.98	-6.49	-5.78	1.59	-13.99	-1.10	+/- Standard Index
).32	0.20	0.14	0.18	0.03	-0.11	0.14	+/- Category Index
40	22	ಜ	30	14	ස	1	% Rank Cat
750	802	769	702	671	630	609	No. of Funds in Cat

1.11	3.4		Utilities	<b>□</b>
1.12	16.9		Healthcare	□ ±
0.54	4.0	ensive	Consumer Defensive	
0.95	24.3		Defensive	ţ
0.61	14.5		Technology	
1.74	14.4		Industrials	<u>:</u> =
1.23	5.6		Energy	<u> </u>
0.34	2.7	n Services	Communication Services	<b></b>
0.83	37.3		Sensitive	ž Š
2.93	8.5		Real Estate	<b>E</b> ≥
1.19	15.7	ices	Financial Services	¶. ⊐:
0.88	10.1	lical	Consumer Cyclical	<b>)</b>
1.85	4.2	ls	Basic Materials	<b>₽</b>
1.29	38.4		Cyclical	ن ح
Rel Std Index	Stocks %		Sector Weightings	Sector
0.23	ogies Holdings Inc	SailPoint Technologies Holdings Inc	700,458	•
0.24	Inc	Texas Roadhouse Inc	515,241	<b>①</b>
0.24		Stag Industrial Inc	1 mil	<b>①</b>
0.24		Agree Realty Corp	566,405	
0.25		Saia Inc	200,373	<b>①</b>
0.25		Murphy USA Inc	168,308	•
0.25		SouthState Corp	565,229	<b>⊕</b>
0.26	s Co	Matador Resources Co	848,213	<b>⊕</b>
0.26	utics Inc	Halozyme Therapeutics Inc	1 mil	<b>⊕</b>
0.27		RBC Bearings Inc	214,786	<b>①</b>

ramily:	Fidelity Investments	Base Cur
Manager:	Multiple	Ticker:
Tenure:	11.1 Years	ISIN:
Objective:	Small Company	Minimur
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and (6) are not warrante	and (6) are not warranted to be correct, complete or accurate. Except as otherwise required by information data analyses or principles or their use. Onlinions expressed are as of the data writing.	otherwise required by

se Currency:	USD
ker:	FSSNX
<i>.</i> -	US3161461823
nimum Initial Purchase:	\$0

Potential Cap Gains Exp

5.18%

	1986. <b>\$</b> 0	US3161461823	FSSNX	USD
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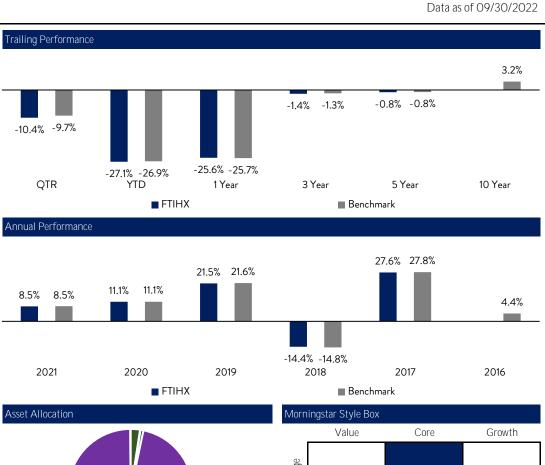
Total Assets:	Туре:	Incept:	Purchase Constraints:	

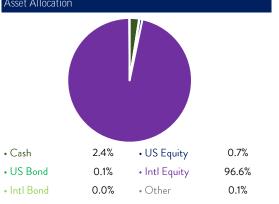
\$17,061.81 mil	MF.	09-08-2011	A	

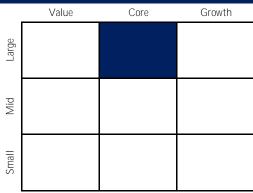
Product Details	
Name	Fidelity® Total International Index
Ticker	FTIHX
Expense Ratio	0.060%
Morningstar Category	US Fund Foreign Large Blend
Benchmark	MSCI ACWI Ex USA IMI NR USD
Inception Date	6/7/2016
Longest Tenured Manager	Louis Bottari;Peter Matthew;
Longest Manager Tenure	6.33 Years
Fund Size	\$7,726,573,419

Fund Characteristics	FTIHX	+/- Category
% Assets in Top 10 Holdings	10.40%	-3.64%
Average Market Cap (mil)	\$25,303	-\$16,345
P/E Ratio (TTM)	11.70	0.43
P/B Ratio (TTM)	1.55	0.04
Est. Dividend Yield	3.98%	-0.60%

Sector Allocations	FTIHX	Category	+/- Category
Materials	8.4%	7.5%	0.8%
Communication Services	6.2%	5.5%	0.7%
Consumer Discretionary	11.2%	10.7%	0.5%
Consumer Staples	8.5%	10.2%	-1.7%
Healthcare	9.4%	12.4%	-3.1%
Industrials	13.1%	14.3%	-1.2%
Real Estate	3.5%	2.3%	1.3%
Technology	11.4%	10.0%	1.3%
Energy	6.0%	5.6%	0.4%
Financial Services	19.0%	18.4%	0.6%
Utilities	3.3%	3.0%	0.3%
Other	0.0%	0.0%	0.0%







Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• FTIHX	-10.45%	-27.06%	-25.59%	-1.42%	-0.83%	-	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-9.69%	-26.92%	-25.72%	-1.27%	-0.78%	3.19%	• FTIHX	-10.45%	-13.16%	-6.21%	2.01%
+/- Benchmark	-0.76%	-0.14%	0.13%	-0.15%	-0.04%	-	<ul> <li>Benchmark</li> </ul>	-9.69%	-14.28%	-5.60%	1.64%
Peer Group Rank	54	32	41	41	42	-	+/- Benchmark	-0.76%	1.12%	-0.61%	0.36%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FTIHX	8.47%	11.07%	21.48%	-14.38%	27.63%	-	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	8.53%	11.12%	21.63%	-14.76%	27.81%	4.41%	• FTIHX	-3.02%	5.53%	3.91%	16.81%
+/- Benchmark	-0.06%	-0.04%	-0.16%	0.37%	-0.18%	-	• Benchmark	-2.56%	5.60%	3.77%	17.22%
Peer Group Rank	65	42	62	42	29	-	+/- Benchmark	-0.46%	-0.06%	0.14%	-0.41%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FTIHX	-0.83%	2.60%	6.75%	9.85%	8.89%	11.02%	• FTIHX	6.78%	17.41%	-24.15%	9.02%
• Benchmark	-0.78%	2.50%	6.92%	9.83%	9.13%	11.20%	• Benchmark	6.80%	16.96%	-24.11%	9.20%
+/- Benchmark	-0.04%	0.10%	-0.16%	0.02%	-0.24%	-0.18%	+/- Benchmark	-0.01%	0.45%	-0.05%	-0.18%
Peer Group Rank	42	37	39	43	43	33					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FTIHX	-1.68%	2.85%	10.19%	-11.71%
Alpha	-0.16	0.00	-0.06	0.00	-	0.00	<ul> <li>Benchmark</li> </ul>	-1.72%	2.74%	10.31%	-11.88%
Beta	0.99	1.00	0.99	1.00	-	1.00	+/- Benchmark	0.04%	0.11%	-0.12%	0.17%
Standard Deviation	18.86	18.98	16.64	16.71	-	14.31					
Sharpe Ratio	-0.02	-0.01	-0.04	-0.03	-	0.24	5-Year Quarterly				
Information Ratio	-0.08	-	-0.03	-	-	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-2.07	-1.90	-2.04	-1.98	-	2.48	• FTIHX	0.33%	-2.96%	-0.40%	4.96%
Upside Capture Ratio	99.91	100.00	99.64	100.00	-	100.00	Benchmark	0.39%	-2.61%	-1.06%	5.23%
Downside Capture Ratio	100.47	100.00	99.86	100.00	-	100.00	+/- Benchmark	-0.06%	-0.35%	0.66%	-0.27%

2nd Otr 3rd Otr 4th Otr Total %	Performance 09-30-2022	Fidelity® Total International Morningstar o Index (USD)  George Grand Company   Grand Company   Grand Company   Grand Company   Grand Company   Grand Company	Helease date U9-3U-2U22
		Morningstar Quantitative Rating <sup>TM</sup> \$\footnote{\text{Cold }} \text{0} \text{0} \text{0} \text{0} \text{0} \text{2} \text{0} \text{2} \text{0} \text{2} \text{2} \text{0} \text{2} \tex	
96 97 90 95		Overall Morningstar Rating **  *** 701 US Fund Foreign Large Blend	
99		Rating <sup>TM</sup> Standard Index MSCI ACWI Ex arge USA NR USD	
97 Equity	Investn	Category Index MSCI ACWI EX USA NR USD	
0/	Investment Style	Morningstar Cat US Fund Foreign Large Blend	

Equity Stocks %

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-24.15	17.41	6.78	16.81	11.07
2021	3.91	5.53	-3.02	2.01	8.47
2022	-6.21	-13.16	-10.45		-27.06
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-25.59	-1.42	-0.83	I	2.55
Std 09-30-2022	-25.59	I	-0.83	I	2.55
Total Return	-25.59	-1.42	-0.83		2.55
+/- Std Index	-0.43	0.10	-0.01		
+/- Cat Index	-0.43	0.10	-0.01		
% Rank Cat	49	40	42		
No. in Cat	750	701	610		

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 7-day Yield

Subsidized

Unsubsidized

(if applicable) Morningstar metrics.

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than The performance data quoted represents past performance and does not guarantee future results. The investment return and their original cost.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit

Tota

14.31%			12-Month Yield Potential Cap Gains Exp
99.09	.09	99.09	R-Squared
1.02	1.02		Beta
0.19	0.19	0.	Alpha
MSCI ACWI Ex USA NR USD			
Best Fit Index		Standard Index	MPT Statistics
I	-0.04	-0.02	Sharpe Ratio
	-0.83	-1.42	Mean
	16.64	18.86	Standard Deviation
10 Yr	5Yr	3 Yr	
	Avg	Avg	Morningstar Return
	Avg	Avg	Morningstar Risk
	3★	3★	Morningstar Rating™
10 Yr <i>419 funds</i>	5 Yr 610 funds	3 Yr 701 funds	
			Risk and Return Profile
0.06			Gross Expense Ratio %
0.06			Net Expense Ratio %
NA			12b1 Expense %
0.06			Management Fees %
			Fund Expenses
N			Deferred Load %
NA			Front-End Load %
			Sales Charges
			Fees and Expenses
			www.institutional.fidelity.com.
	7	1-8544 OF VIS	montn-end, piease call 800-544-8544 or visit

Fixe

									1 2022	Portalia Analysis 08 31 2022	) Pal	Dorto
No. of Funds in Cat	758	767	785	732	741	756		1			1	
% Rank Cat	ı	69	32	ឌ	49	22	1		1	1	ı	
+/- Category Index	-0.56	0.65	0.42	-0.03	-0.19	0.44	ı	I	I	ı	I	
+/- Standard Index	-0.56	0.65	0.42	-0.03	-0.19	0.44	1	1	I			1
Total Return %	-27.06	8.47	11.07	21.48	-14.38	27.63						
NAV/Price	10.46	14.34	13.57	12.42	10.50	12.53	10.00		1			1
History	09-22	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Performance Quartile (within category)												
	4k											
12,277	Ş											
Standard Index	3	,	1	}	}	1	)					
— Category Average	20k											
12,171												
Fidelity® Total International	40k											
Growth of \$10,000	80k											

ortfolio Analy	ortfolio Analysis 08-31-2022						
set Allocation %		Long %	Short %	Share Chg	Share	Holdings:	Net A
sh	-0.13	2.51	2.64	SINCE	Amount	5,094 Lotal Stocks , 2 Lotal Fixed-Income,	
Stocks	0.78	0.78	0.00	0/-2022	-	5%   Umover Ratio	
n-US Stocks	99.13	99.13	0.00	•	204 mil	Fidelity Revere Str Ir	
nds	0.13	0.13	0.00	<b>⊕</b>	1,667	MSCI EAFE Index Future Sept 22	
her/Not Clsfd	0.09	0.09	0.00	<b>①</b>	8 mil	Taiwan Semiconductor Manufacturing	
<u>a</u>	100.00	102.64	2 64	<b>①</b>	896,220	Nestle SA	
			!	<b>•</b>	2 mil	2 mil Tencent Holdings Ltd	_
ıity Style	Portfolio Statistics	Port Rel	· [윤	) : (	1 /00	MCCI Emerging Markets Index Future	
ue Blend Growth	P/E Ratio TTM		_	<b>₽</b> (		Roche Holding AG	_
эбл	P/C Ratio TTM	8.6 1.07	1.05	Ð	2 mil	Samsung Flectronics Co l td	_
		1.5 1.04		Ð	2 mil	Shell PLC	_
	\$mil	25303 0.72	0.6	<b>(+)</b>	129,538	ASML Holding NV	
				Đ	493,416	AstraZeneca PLC	
ed-Income Style				Ð	5 B.	Alibaba Group Holding Ltd Ordinary	_
d Mod Ext	Avg Eff Maturity			Ð (		Novo Nordisk A/S Class B	
ЧбіН	Avg ETT Duration			<b>+</b> ) (		LVMH Moet Hennessy Louis Vuitton SE	_
	Avg Wtd Price		1	•	695,068	Novartis AG	_
	мод			Sector Weightings	eightings	Stocks %	Rel Std I

		1.04	0.97	0.97	Rel Std Index	1		I		1			%	Don't o/	
Purchase Constraints: —	Utilities	◆ Healthcare	Consumer Defensive	→ Defensive	Technology	Industrials	Energy	Communication Services	√ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	<b>∿</b> Cyclical	Sector Weightings
	3.3	9.4	8.5	21.1	11.4	13.1	6.0	6.2	36.7	3.5	19.0	11.2	8.4	42.2	Stocks %
	1.03	0.94	0.92	0.95	1.05	1.10	0.96	0.98	1.04	1.43	0.92	1.03	1.02	1.00	Rel Std Index

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only in the country in which its origonal provided selection account information are provided selection for information are provided selection for information and the responsible for any trading of an angle without notice. Investment of Exhange Commission. This report.	US31635V6386 \$0
jinel distributor is based. The information, data provided by your financial professional which al purposes and therefore are not an offer to but ensure the state of the state of the state ensures and the state of the state of the ensures are produced and issued by subsidiaries escent his produced and issued by subsidiaries or its supplemental sales literature. If applicab or its supplemental sales literature.	Type: Total Assets:
, analyses and cannot be verified by agreed a security.  My or sell a security,  m, or related to, this or Morningstar, Inc. le it must be preceded	MF \$7,726.57 mil

Family:

Fidelity Investments

Ticker:

XHIT.

Incept:

돆 06-07-2016 Base Currency:

Greater Europe Greater Asia

11.3 42.2 46.5

Americas

Regional Exposure

Below B NR

⊳ Ş

Credit Quality Breakdown

Manager:

2.45 1.83 1.54 1.26 0.99

0.88 0.84 0.80 0.77 0.76 0.76

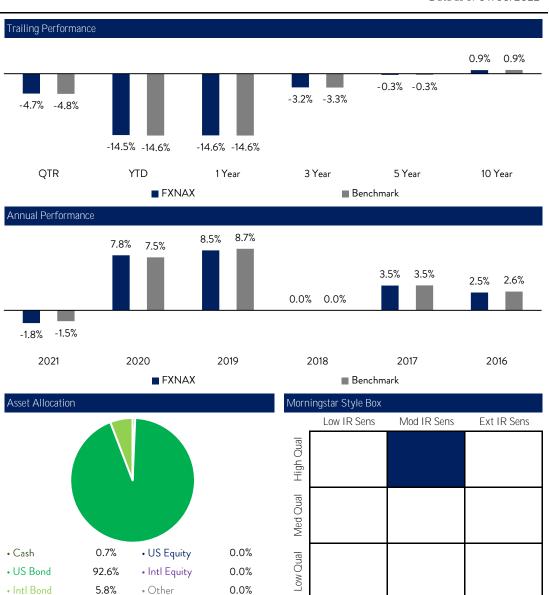
0.69 0.68 0.67

#### Fidelity® US Bond Index FXNAX

Product Details	
Name	Fidelity® US Bond Index
Ticker	FXNAX
Expense Ratio	0.025%
Morningstar Category	US Fund Intermediate Core Bond
Benchmark	Bloomberg US Agg Bond TR USD
Inception Date	5/4/2011
Longest Tenured Manager	Brandon C Bettencourt
Longest Manager Tenure	8.42 Years
Fund Size	\$53,033,947,340

Fund Characteristics	FXNAX	+/- Category
% Assets in Top 10 Holdings	9.09%	-35.49%
Average Eff Duration	6.29	0.34
Average Eff Maturity	-	-
Average Credit Quality	AA	A (Cat Avg.)
Average Coupon	2.53%	-0.51%

Sector Allocations	FXNAX	Category	+/- Category
Government	45.8%	30.9%	14.9%
Municipal	0.6%	0.7%	-0.1%
Bank Loan	0.0%	0.0%	0.0%
Convertible	1.0%	1.3%	-0.2%
Corporate Bond	23.2%	24.8%	-1.6%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	27.4%	25.4%	2.0%
Non-Agency RMBS	0.0%	0.2%	-0.2%
Commercial MBS	0.9%	2.8%	-1.9%
Asset-Backed	0.4%	6.1%	-5.7%
Cash & Equivalents	0.7%	6.0%	-5.3%
Other	0.0%	1.7%	-1.7%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• FXNAX	-4.69%	-14.47%	-14.57%	-3.24%	-0.28%	0.85%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-4.75%	-14.61%	-14.60%	-3.26%	-0.27%	0.89%	• FXNAX	-4.69%	-4.66%	-5.88%	-0.12%
+/- Benchmark	0.06%	0.14%	0.03%	0.02%	-0.01%	-0.04%	<ul> <li>Benchmark</li> </ul>	-4.75%	-4.69%	-5.93%	0.01%
Peer Group Rank	46	30	28	47	41	46	+/- Benchmark	0.06%	0.04%	0.06%	-0.13%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• FXNAX	-1.79%	7.80%	8.48%	0.01%	3.50%	2.52%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	-1.54%	7.51%	8.72%	0.01%	3.54%	2.65%	• FXNAX	0.02%	1.85%	-3.48%	0.75%
+/- Benchmark	-0.25%	0.29%	-0.23%	0.00%	-0.04%	-0.13%	• Benchmark	0.05%	1.83%	-3.37%	0.67%
Peer Group Rank	63	52	49	25	44	57	+/- Benchmark	-0.03%	0.02%	-0.11%	0.08%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• FXNAX	-0.28%	0.86%	2.09%	3.52%	2.89%	2.97%	• FXNAX	0.43%	2.77%	3.66%	0.06%
• Benchmark	-0.27%	0.88%	2.14%	3.57%	2.94%	3.03%	• Benchmark	0.62%	2.90%	3.15%	0.18%
+/- Benchmark	-0.01%	-0.02%	-0.05%	-0.05%	-0.06%	-0.06%	+/- Benchmark	-0.19%	-0.13%	0.51%	-0.12%
Peer Group Rank	41	39	51	51	58	60					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• FXNAX	2.27%	2.97%	2.96%	1.70%
Alpha	0.00	0.00	-0.02	0.00	-0.04	0.00	<ul> <li>Benchmark</li> </ul>	2.27%	3.08%	2.94%	1.64%
Beta	0.99	1.00	1.00	1.00	1.01	1.00	+/- Benchmark	0.00%	-0.11%	0.01%	0.06%
Standard Deviation	5.34	5.36	4.77	4.77	3.98	3.93					
Sharpe Ratio	-0.70	-0.70	-0.29	-0.28	0.05	0.06	5-Year Quarterly				
Information Ratio	0.06	-	-0.04	-	-0.15	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-3.89	-3.89	-1.48	-1.46	0.14	0.18	• FXNAX	0.07%	-0.22%	-1.51%	0.37%
Upside Capture Ratio	99.74	100.00	99.73	100.00	101.07	100.00	Benchmark	0.02%	-0.16%	-1.46%	0.39%
Downside Capture Ratio	99.61	100.00	99.93	100.00	102.14	100.00	+/- Benchmark	0.05%	-0.06%	-0.05%	-0.02%

### (USD) Fidelity® US Bond Index

Performance 09-30-2022	-30-2022					
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %	
2020	3.66	2.77	0.43	0.75	7.80	:
2021	-3.48	1.85	0.02	-0.12	-1.79	: :
2022	-5.88	-4.66	-4.69	1	-14.47	:
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept	
Load-adj Mthly	-14.57	-3.24	-0.28	0.85	1.60	:
Std 09-30-2022	-14.57	1	-0.28	0.85	1.60	
Total Return	-14.57	-3.24	-0.28	0.85	1.60	i
+/- Std Index	0.03	0.02	-0.01	-0.04		
+/- Cat Index	0.03	0.02	-0.01	-0.04		:
% Rank Cat	33	42	39	41		
No. in Cat	445	401	363	269		
						ì

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns,
derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

30-day SEC Yield

7-day Yield

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than The performance data quoted represents past performance and does not guarantee future results. The investment return and their original cost.

Net Assets

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-544-8544 or visit

Fooc and Evacación

rees and Expenses	
Sales Charges	
Front-End Load %	N
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.03
12b1 Expense %	NA
Net Expense Ratio %	0.03
Gross Expense Ratio %	0.03

			12-Month Yield
99.66		99.66	R-Squared
1.00		1.00	Beta
0.00		0.00	Alpha
Bloomberg US Agg Bond TR USD	Bloor		
Best Fit Index		Standard Index	MPT Statistics
0.05	-0.29	-0.70	Sharpe Ratio
3 0.85	-0.28	-3.24	Mean
7 3.98	4.77	5.34	Standard Deviation
r 10 Yr	5Yr	3 Yr	
g Avg	Avg	Avg	Morningstar Return
g Avg	Avg	Avg	Morningstar Risk
3 <b>★</b>	3 <b>★</b>	3 <b>★</b>	Morningstar Rating™
r 10 Yr s 269 funds	5 Yr 363 funds	3 Yr 401 funds 3	
			<b>Risk and Return Profile</b>
0.03			Gross Expense Ratio %
0.03			Net Expense Ratio %
NA			12b1 Expense %
0.03			Management Fees %
			rullu expelises

₽

Credit Quality Breakdown 08-31-AAA

Core Bonc	2	₩ Gold ***	Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index	
nd Di	401 US Fund Intermediate		Morningstar Rating™	
	Agg Bond TR USD Bond TR USD	Bloomberg US		
	Bond TR USD	Bloomberg US Agg	Category Index	

Morningstar Cat

US Fund Intermediate
Core Bond

	1	-0.06	-0.06	7.79	11.78	2011								8		
1165	82	0.02	0.02	4.23	11.89	2012	Ш							93		
1079	69	-0.17	-0.17	-2.19	11.36	2013								98		
1038	26	0.02	0.02	5.99	11.73	2014								96		
1042	<del>2</del>	0.08	0.08	0.63	11.49	2015								99		
985	66	-0.13	-0.13	2.52	11.49	2016								99		Core Bond
986	57	-0.04	-0.04	3.50	11.59	2017								97		nd
1019	29	0.00	0.00	0.01	11.28	2018								99		
430	49	-0.23	-0.23	8.48	11.91	2019								96		
415	41	0.29	0.29	7.80	12.45	2020								88		
423	ස	-0.25	-0.25	-1.79	11.98	2021								98		
454	1	0.14	0.14	-14.47	10.08	09-22			4					-		
								: #	1 0 2	702	. 700	4	: : E E E E	100k		
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		12,254	- Standard Index	— Category Average 12 184	Fidelity® US Bond Index 12,217	Growth of \$10,000	Fixed-Income Bond %	Investment Style	

Portfolio Analysis 08-31-2022	is 08-31-2022					
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings:
Cash	0.66	0.66	0.00	since	Amount	0 Total Stocks, 8,523 Total Fixed-Income,
US Stocks	0.00	0.00	0.00	7707-70		/6% lumover hauto
Non-US Stocks	0.00	0.00	0.00		/24 mil	United States Treasury Notes 1.5%
Bonds	98.33	98.33	0.00	袋	642 mil	United States Treasury Notes 2.625%
Other/Not Clsfd	1.01	1.01	0.00	①	694 mil	Federal Home Loan Mortgage Corpora
Total	100.00	100 00	0		584 mil	United States Treasury Notes 2.25%
				袋	491 mil	United States Treasury Notes 2.75%
Equity Style	Portfolio Statistics	Port Rel Avg Index	Cat		507 mil	United States Treasury Notes 1.5%
vone point cioner	P/E Ratio TTM			<b>•</b>	461 mil	United States Treasury Notes 3%
эбл	P/C Ratio TTM	 		(	492 mil	United States Treasury Notes 1.25%
biM	P/B Ratio TTM	 			430 mil	United States Treasury Notes 0.5%
sm2	Geo Avg Mkt Cap	1			420 mil	United States Treasury Notes 2.25%
					411 mil	United States Treasury Notes 1%
Fixed-Income Style				D	416 mil	Federal National Mortgage Associat
Ltd Mod Ext	Avg Eff Maturity			<b>*</b> (	362 mil	United States Treasury Notes 2 75%
ИеiH	Avg Eff Duration		6.29	ž	365 mil	United States Treasury Notes 0.375%
pəM	Avg Wtd Price		92.32		349 mil	United States Treasury Notes 1.5%
	(					

	1-2022	1_2022		d Price	Coupon	Duration	Maturity	
/ F.O.	74 31	Bond o/		92.32		6 29		
<b>}</b>	<b>à</b> Ba	∿ Cyclical	Sector			袋	①	
Consumer Cyclical	Basic Materials	clical	Sector Weightings	349 mil	365 mil	362 mil	416 mil	4111111
lical	S			349 mil United States Treasury Notes 1.5%	365 mil United States Treasury Notes 0.375%	362 mil United States Treasury Notes 2.75%	416 mil Federal National Mortgage Associat	The control officer increasing two too in the
				ites Treasu	ates Treasu	ates Treasu	ational Mor	1000
ı	ı	ı	Stocks %	ry Notes 1.	ry Notes 0.3	ry Notes 2.	tgage Asso	1 1 1 1 1 1 1 1 1
		•		5%	375%	75%	ciat	c
			Rel Std					

			I	Rel Std Index	0.02	0.00	0.00	0.00	10.40	10.76	4.51	74.31	D 000 0/	
✓ Utilities	♣ Healthcare	Consumer Defensive	→ Defensive	Technology	ndustrials	★ Energy	Communication Services	∨ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	∿ Cyclical	Sector Weightings
I		I	I			1		I	l		I	I	I	Stocks %
	1		1					I				1	1	Rel Std Index

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Objective:

Multisector Bond

Tenure:

Family:

Fidelity Investments

Ticker:

FXNAX US3161463563

Incept:

05-04-2011

Purchase Constraints:

Base Currency:

ISIN:

Minimum Initial Purchase:

\$0

Total Assets:

\$53,033.95 mil

Manager:

Potential Cap Gains Exp

-75.09%

Greater Europe Greater Asia

Americas

Regional Exposure

Below B

888

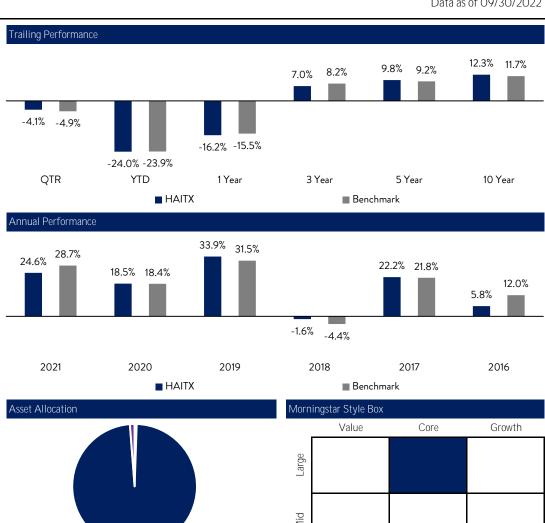
1.16 1.11 1.08 1.03 0.85

0.82 0.75 0.72 0.72

Product Details	
Name	Hartford Core Equity R6
Ticker	HAITX
Expense Ratio	0.360%
Morningstar Category	US Fund Large Blend
Benchmark	S&P 500 TR USD
Inception Date	3/31/2015
Longest Tenured Manager	Mammen Chally
Longest Manager Tenure	24.50 Years
Fund Size	\$9,495,823,873

Fund Characteristics	HAITX	+/- Category
% Assets in Top 10 Holdings	33.19%	-17.37%
Average Market Cap (mil)	\$148,964	-\$61,371
P/E Ratio (TTM)	18.92	0.68
P/B Ratio (TTM)	3.55	-0.06
Est. Dividend Yield	1.70%	-0.27%

Sector Allocations	HAITX	Category	+/- Category
Materials	1.0%	2.7%	-1.6%
Communication Services	7.1%	7.9%	-0.8%
Consumer Discretionary	10.5%	10.2%	0.2%
Consumer Staples	7.1%	7.3%	-0.3%
Healthcare	18.7%	15.6%	3.1%
Industrials	9.0%	10.1%	-1.1%
Real Estate	1.7%	2.5%	-0.8%
Technology	24.9%	23.1%	1.9%
Energy	3.5%	4.1%	-0.5%
Financial Services	12.9%	13.6%	-0.7%
Utilities	3.5%	2.8%	0.7%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• HAITX	-4.14%	-23.97%	-16.18%	6.98%	9.78%	12.34%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-4.88%	-23.87%	-15.47%	8.16%	9.24%	11.70%	• HAITX	-4.14%	-15.16%	-6.51%	10.24%
+/- Benchmark	0.74%	-0.10%	-0.71%	-1.18%	0.55%	0.63%	• Benchmark	-4.88%	-16.10%	-4.60%	11.03%
Peer Group Rank	18	49	50	54	8	3	+/- Benchmark	0.74%	0.94%	-1.91%	-0.78%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• HAITX	24.62%	18.49%	33.89%	-1.55%	22.17%	5.75%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	28.71%	18.40%	31.49%	-4.38%	21.83%	11.96%	• HAITX	0.26%	7.78%	4.61%	12.49%
+/- Benchmark	-4.08%	0.09%	2.41%	2.83%	0.33%	-6.21%	• Benchmark	0.58%	8.55%	6.17%	12.15%
Peer Group Rank	74	35	7	6	29	89	+/- Benchmark	-0.33%	-0.76%	-1.56%	0.34%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• HAITX	9.78%	11.35%	15.92%	18.92%	17.07%	17.35%	• HAITX	9.77%	19.10%	-19.42%	9.06%
• Benchmark	9.24%	11.31%	15.99%	18.47%	16.90%	17.65%	• Benchmark	8.93%	20.54%	-19.60%	9.07%
+/- Benchmark	0.55%	0.04%	-0.07%	0.44%	0.17%	-0.29%	+/- Benchmark	0.84%	-1.45%	0.17%	-0.01%
Peer Group Rank	8	13	15	11	15	31					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• HAITX	2.49%	5.44%	13.61%	-11.97%
Alpha	-0.86	0.00	0.81	0.00	1.09	0.00	<ul> <li>Benchmark</li> </ul>	1.70%	4.30%	13.65%	-13.52%
Beta	0.96	1.00	0.95	1.00	0.95	1.00	+/- Benchmark	0.79%	1.14%	-0.04%	1.55%
Standard Deviation	19.51	20.30	17.31	18.07	13.82	14.40					
Sharpe Ratio	0.41	0.45	0.56	0.51	0.86	0.79	5-Year Quarterly				
Information Ratio	-0.63	-	0.28	-	0.28	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	6.63	7.53	9.02	8.04	12.26	10.99	• HAITX	7.62%	2.78%	1.10%	7.77%
Upside Capture Ratio	93.57	100.00	96.71	100.00	97.03	100.00	• Benchmark	7.71%	3.43%	-0.76%	6.64%
Downside Capture Ratio	96.22	100.00	93.23	100.00	90.98	100.00	+/- Benchmark	-0.09%	-0.65%	1.86%	1.12%

#### (USD) Hartford Core Equity R6

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-19.42	19.10	9.77	12.49	18.49
2021	4.61	7.78	0.26	10.24	24.62
2022	-6.51	-15.16	-4.14		-23.97
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-16.18	6.98	9.78	I	9.50
Std 09-30-2022	-16.18		9.78	I	9.50
Total Return	-16.18	6.98	9.78	12.34	9.50
+/- Std Index	-0.71	-1.18	0.55	0.63	
+/- Cat Index	1.03	-0.96	0.78	0.73	
% Rank Cat	52	82	ω	2	
No. in Cat	1366	1237	1118	820	

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 7-day Yield

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than The performance data quoted represents past performance and does not guarantee future results. The investment return and their original cost.

(if applicable) Morningstar metrics.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 888-843-7824 or visit

#### Management Fees % Fund Expenses Deferred Load % Gross Expense Ratio % Net Expense Ratio % 12b1 Expense % Front-End Load % Sales Charges Fees and Expenses 0.36 0.33 NA ₹ ₹

KISK and Keturn Profile			
	3 Yr	5 Yr	10 Yr
	1,237 funds 1,118 funds	8 funds	820 funds
Morningstar Rating™	3⊁	5 <b>≯</b>	5☆
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	Avg	High	High
	3 Yr	5 Yr	10 Yr
Standard Deviation	19.51	17.31	13.82
Mean	6.98	9.78	12.34
Sharpe Ratio	0.41	0.56	0.86
MPT Statistics	Standard Index	S&P 5	Best Fit Index S&P 500 TR USD
Alpha	-0.86		-0.86
Beta	0.96		0.96
R-Squared	99.28		99.28
12-Month Yield			ı
Potential Cap Gains Exp			40.89%

BB BB

₽₿

Credit Quality Breakdown AAA

Below B NR

Greater Europe Greater Asia

98.8 1.2 0.0

Americas

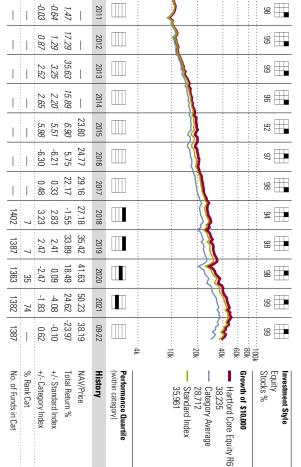
Regional Exposure

Stocks %

08-15-2022 1,237 US Fund Large Blend	<b>Bronze</b> ★★★★	Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index Categ
	S&P 500 TR USD Russe	Standard Index
USD	Russe	Categ

Russell 1000 TR Category Index

Morningstar Cat
US Fund Large Blend



Portfolio Analysis 09-30-2022	is 09-30-2022	, ,			<b>Top Holdings</b> 08-31-2022	<b>ngs</b> 08-3	1-2022	
Asset Allocation % 08-31-2022	08-31-2022	Net %	Long %	Short %	Share Chg	Share	Share Holdings:	Net Assets
Cash		0.55	0.55	0.00	since	Amount	Amount 71 Total Stocks , 0 Total Fixed-Income,	%
US Stocks		98.30	98.30	0.00	7707-00	) :	13 % Tufflover hauto	1
Non-US Stocks		1.15	1.15	0.00	1	Z mII	Microsoft Corp	5.42
Bonds		0.00	0.00	0.00	1	3 mil	Apple Inc	5.19
Other/Not Clsfd		0.00	0.00	0.00	①	5 mil	Alphabet Inc Class A	5.08
Total		100.00	100.00	0.00	①	3 mil	Amazon.com Inc	4.05
?	2				①	639,013	UnitedHealth Group Inc	3.30
Value Rhad Growth	Portiollo statistics	ausucs	Avg Index	x Cat	①	2 mil	Procter & Gamble Co	2.25
грий	P/E Ratio TTN	Z	18.9 1.05		①	2 mil	EOG Resources Inc	2.23
a e d	P/C Ratio I IM	Ī	15.6 1.14	1 1.12	①	2 mil	JPMorgan Chase & Co	2.05
biM	F/B Ratio I IIVI	₩ N N N N N N N N N N N N N N N N N N N			①	4 mil	Pfizer Inc	1.86
llsm2	\$mil	r cab	+050+ 0.31	0./	①	615,970	Eli Lilly and Co	1.85
					1	2 mil	Morgan Stanley	1.73
Fixed-Income Style	766 74				①	316,736	Thermo Fisher Scientific Inc	1.72
Ltd Mod Ext	Avg Eff Duration	Cation		١	1	5 mil	Bank of America Corp	1.69
цеіH	Avg Wtd Coupon	olibon			①	509,449	Mastercard Inc Class A	1.64
baM	Avg Wtd Price	ice :		1	①	3 mil	3 mil TJX Companies Inc	1.59

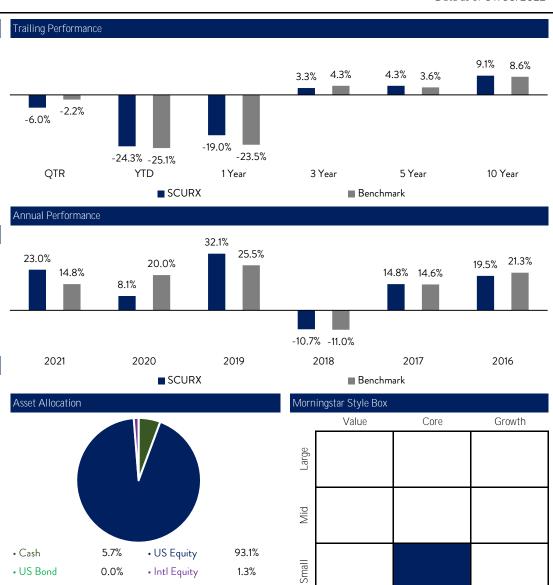
Utilities		1 27 Tons	1	Rel Std Index	— 🙀 Indus	Energy	— Com	— v Sensitive	Real	Finar	Cons	Basic		Sector Weightings
lies	Healthcare	Consumer Defensive	Defensive	Technology	Industrials	gy	Communication Services	sitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	ical	ightings
3.5	18.7	7.1	29.3	24.9	9.0	3.5	7.1	44.6	1.7	12.9	10.5	1.0	26.1	Stocks %
1.14	1.23	0.97	1.14	1.05	1.08	0.78	0.88	1.00	0.60	0.98	0.91	0.47	0.88	Rel Std Index

©2022 Morningstar. Al Opinions contained her Vorningstar. (3) may no and (6) are not warrant information, data, amal including, but not limit or accompanied by a pr	Operations Family: Manager: Tenure: Objective:
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saparate agreement, you may use this report of matton of Morningstar, [2] may include, or be matton of Morningstar, [2] may include, or be the most an advice offered by Morningstar, [6] therewise required by Jaw. Morningstar shall not the variety and are subject to the as of the date written and are subject to the date with and governed by the U.S. Securities and with and governed by the U.S. Securities and the end of Please see important disclosures at the end of	Base Currency: Ticker: ISIN: Minimum Initial Purchase:
anly in the country in which its original derived from, account information pro are provided solely for informational p to the responsible for any trading dark ange without notice. Investment research extended Commission.	USD HAITX US41664R1840 \$0
distributor is based. The information, data, analy vided by your financial professional which cannot propose and therefore are not an offer to buy or strong, damages or other losses resulting from, or reach is produced and issued by subsidiaries of Mc standards supplemental sales literature. If applicable it mu	Purchase Constraints: Incept: Type: Total Assets:
yes and the verified by the verified by ell a security, ellated to, this miningstar, inc. us the preceded	A 03-31-2015 MF \$9,495.82 mil

Product Details	
Name	Hartford Schroders US Small Cap Opps SDR
Ticker	SCURX
Expense Ratio	0.950%
Morningstar Category	US Fund Small Blend
Benchmark	Russell 2000 TR USD
Inception Date	9/28/2015
Longest Tenured Manager	Robert Kaynor
Longest Manager Tenure	4.75 Years
Fund Size	\$302,039,763

Fund Characteristics	SCURX	+/- Category
% Assets in Top 10 Holdings	15.81%	-8.68%
Average Market Cap (mil)	\$2,538	-\$1,200
P/E Ratio (TTM)	16.09	4.10
P/B Ratio (TTM)	1.90	-0.04
Est. Dividend Yield	1.51%	-0.04%

Sector Allocations	SCURX	Category	+/- Category
Materials	8.9%	4.6%	4.3%
Communication Services	2.5%	2.7%	-0.2%
Consumer Discretionary	10.0%	11.3%	-1.3%
Consumer Staples	5.2%	4.3%	0.9%
Healthcare	11.9%	14.4%	-2.4%
Industrials	10.9%	17.2%	-6.3%
Real Estate	3.0%	7.0%	-4.1%
Technology	20.3%	14.1%	6.3%
Energy	5.5%	5.0%	0.4%
Financial Services	18.0%	16.7%	1.4%
Utilities	3.8%	2.8%	1.0%
Other	0.0%	0.0%	0.0%



0.0%

• Other

0.0%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• SCURX	-6.04%	-24.27%	-19.03%	3.26%	4.30%	9.10%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-2.19%	-25.10%	-23.50%	4.29%	3.55%	8.55%	• SCURX	-6.04%	-13.33%	-7.01%	6.92%
+/- Benchmark	-3.85%	0.83%	4.47%	-1.03%	0.74%	0.55%	• Benchmark	-2.19%	-17.20%	-7.53%	2.14%
Peer Group Rank	89	58	44	70	39	30	+/- Benchmark	-3.85%	3.86%	0.51%	4.78%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• SCURX	22.98%	8.14%	32.06%	-10.72%	14.81%	19.49%	Performance	3Q21	2Q21	1Q21	4Q20
Benchmark	14.82%	19.96%	25.52%	-11.01%	14.65%	21.31%	• SCURX	-1.21%	2.84%	13.20%	26.06%
+/- Benchmark	8.16%	-11.82%	6.53%	0.29%	0.16%	-1.82%	• Benchmark	-4.36%	4.29%	12.70%	31.37%
Peer Group Rank	52	73	3	36	27	66	+/- Benchmark	3.15%	-1.45%	0.50%	-5.32%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• SCURX	4.30%	6.33%	10.01%	12.47%	12.62%	14.27%	• SCURX	4.86%	21.22%	-32.51%	9.33%
• Benchmark	3.55%	5.17%	9.74%	12.02%	13.45%	16.47%	Benchmark	4.93%	25.42%	-30.61%	9.94%
+/- Benchmark	0.74%	1.16%	0.26%	0.46%	-0.83%	-2.19%	+/- Benchmark	-0.07%	-4.20%	-1.90%	-0.61%
Peer Group Rank	39	34	39	27	46	52					
							5-Year Quarterly				
Risk Statistics	3,	Year	5 `	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• SCURX	0.72%	6.02%	13.12%	-16.99%
Alpha	-0.68	0.00	0.88	0.00	1.41	0.00	<ul> <li>Benchmark</li> </ul>	-2.40%	2.10%	14.58%	-20.20%
Beta	0.90	1.00	0.90	1.00	0.87	1.00	+/- Benchmark	3.12%	3.92%	-1.47%	3.21%
Standard Deviation	23.74	25.47	21.08	22.81	16.84	18.88					
Sharpe Ratio	0.23	0.27	0.25	0.22	0.56	0.49	5-Year Quarterly				
Information Ratio	-0.15	-	0.13	-	0.11	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.92	3.65	3.46	2.36	9.69	7.84	• SCURX	4.34%	4.69%	-1.54%	3.93%
Upside Capture Ratio	91.96	100.00	93.76	100.00	89.82	100.00	• Benchmark	3.58%	7.75%	-0.08%	3.34%
Downside Capture Ratio	94.47	100.00	90.82	100.00	83.88	100.00	+/- Benchmark	0.76%	-3.06%	-1.46%	0.59%

## Cap Opps SDR (USD) **Hartford Schroders US**

Small Morningstar Analyst Rating™ Overall Morningstar Rating™

★★★ 01-28-2022

98

92

92

93

93

92

95

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97

94

Growth of \$10,000

chroders US Small

578 US Fund Small Blend

Standard Index S&P 500 TR USD

OSU Russell 2000 TR Category Index

**US Fund Small Blend** Morningstar Cat

2011		356	536	578	607	No. in Cat
		30	44	77	50	% Rank Cat
	1	0.55	0.74	-1.03	4.47	+/- Cat Index
	I	-2.60	-4.94	-4.90	-3.56	+/- Std Index
2	7.80	9.10	4.30	3.26	-19.03	Total Return
	7.80		4.30		-19.03	Std 09-30-2022
	7.80		4.30	3.26	-19.03	Load-adj Mthly
	Incept	10 Yr	5 Yr	3 Yr	1 Yr	Trailing Returns
	-24.27	1	-6.04	-13.33	-7.01	2022
	22.98	6.92	-1.21	2.84	13.20	2021
	8.14	26.06	4.86	21.22	-32.51	2020
93	Total %	4th Qtr	3rd Qtr	2nd Otr	1st Otr	Quarterly Returns
					30-2022	Performance 09-30-2022

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. Performance Disclosure

> -0.26-6.55 -4.43

30-day SEC Yield 7-day Yield

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

month-end, please call 888-843-7824 or visit quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

Net Assets

1.67 1.65 1.64

1.58

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www.hartfordfunds.com.			
Fees and Expenses			
Sales Charges			
Front-End Load %			Š
Deferred Load %			N N
Fund Expenses			
Management Fees %			0.90
12b1 Expense %			N
Net Expense Ratio %			0.95
Gross Expense Ratio %			0.99
Risk and Return Profile			
	<b>S</b>	1	10 1

ЧбіН baM

Avg Wtd Price

ulay diin bemiii Lionie			
	3 Yr 578 funds	5 Yr 536 funds	10 Yr 356 funds
Morningstar Rating™	2★	<b>4★</b>	<b>4</b> ☆
Morningstar Risk	-Avg	-Avg	Low
Morningstar Return	-Avg	Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	23.74	21.08	16.84
Mean	3.26	4.30	9.10
Sharpe Ratio	0.23	0.25	0.56
MPT Statistics	Standard Index		Best Fit Index Morningstar US Sml
			Ext TR USD
Alpha	-4.16	16	-0.45
Beta	1.04	04	0.89
R-Squared	78.87	87	95.44
12-Month Yield			
Potential Cap Gains Exp			35.02%

88 88

₽₿

Credit Quality Breakdown

묾 Below B

Greater Asia Greater Europe Americas Regional Exposure

100.0

Rel S

0.0

		-3.90	-3.55	12.45	1	2012			1		:			
1		-4.20	2.23	34.62	1	2013				N				
		3.60	-5.19	8.50		2014				1				
1	1	3.04	-2.75	-1.37	22.92	2015					<b>}</b>			
750	යි	-1.82	7.53	19.49	25.91	2016				(				
1	1	0.16	-7.03	14.81	27.27	2017								
769	32	0.29	-6.34	-10.72	22.03	2018								
702	4	6.53	0.57	32.06	27.65	2019					~	}		
671	67	-11.82	-10.26	8.14	29.84	2020					Z	3		
630	59	8.16	-5.73	22.98	32.94	2021							1	
609		0.83	-0.41	-24.27	24.91	09-22						***	3	
_								÷	Š		. 20k		:: 40k	5
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		35,961	Standard Index	Category Average 22 935	25,215	Cap Opps SDR	Hartford Schroders

Portfolio Analysis 09-30-2022	09-30-2022				Top Holdings 08-31-2022	ings 08-3	1-2022
Asset Allocation % 08-31-2022		Net %	Long %	Short %	Share Chg	Share	Holdings:
Cash		5.56	5.56	0.00	since	Amount	98 Total Stocks , 11 Total Fixed-Income,
US Stocks		93.26	93.26	0.00	7707-00	:	56% Turilover nauo
Non-US Stocks		1.18	1.18	0.00	<b></b>	I/ mil	Morgan Stanley Instit qdty TrsSecs
Bonds		0.00	0.00	0.00		59,668	WNS (Holdings) Ltd ADR
Other/Not Clsfd		0.00	0.00	0.00		31,261	ICU Medical Inc
Total	=	100.00	100.00	0.00		37,480	Balchem Corp
?						111,215	Terminix Global Holdings Inc
Value Blend Growth	FOILIOITO Statistics	Silva	Avg Index			75,437	Hexcel Corp
ive7	P/E Ratio TTM	. ≤				108,499	First Merchants Corp
Je y	P/C Ratio I IM	≦ ≤			<b>⊕</b>	55,214	Perficient Inc
biN	Gos Ava MIA C		2520 0.00			206,632	Compass Diversified Holdings
llsm2	\$mil			0.00	1	15,544	Valmont Industries Inc
						43,694	ASGN Inc
Fixed-Income Style	Ava Eff Mati	ī.			1	33,673	Reinsurance Group of America Inc
Ltd Mod Ext	Avg Eff Duration	rion III.y			<b>①</b>	126,157	The Chefs' Warehouse Inc
Чбін	Ava Wtd Collect					74,526	MACOM Technology Solutions Hold
∍W	Avg Wtd Coupon	7				110 714	110 714 Envista Holdings Com Ordinary Sha

1.23	3.8	0,	Utilities	:
0.79	11.9	are	Healthcare	0.00
0.71	5.2	Consumer Defensive	Consum	0.00
0.82	20.9	ive	→ Defensive	1 01
0.85	20.3	logy	Technology	Std Index
1.31	10.9	als	Industrials	
1.20	5.5		Energy	
0.30	2.5	Communication Services	<b>■</b> Commu	1
0.87	39.1	ve	✓ Sensitive	
1.03	3.0	tate	Real Estate	
1.38	18.0	Financial Services	Financia	
0.87	10.0	Consumer Cyclical	<b>♪</b> Consum	
3.98	8.9	Basic Materials	Basic N	2
1.35	40.0	=	Դ Cyclical	Rond %
Rel Std Index	Stocks %	ntings	Sector Weightings	
1.36	Envista Holdings Corp Ordinary Sha	110,714 Envista H	11	
1.37	MACOM Technology Solutions Holding	74,526 MACOM	7.	
1.40	The Chefs' Warehouse Inc	126,157 The Chefs	① 12	
1.40	Reinsurance Group of America Inc	33,673 Reinsurar	① 3	
1.40		43,694 ASGN Inc	4	
1.43	Valmont Industries Inc	15,544 Valmont I	①	0.00
1.43	Compass Diversified Holdings	206,632 Compass	20	0.98
1.43	Inc	55,214 Perficient Inc	<b>⊕</b> 5	
1.44	First Merchants Corp	108,499 First Merc	10	9 1.34
1.47	rp	75,437 Hexcel Corp	7	

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$5 mil	US41665H2682	SCURX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$302.04 mil	MF	09-28-2015	A

Objective:

Growth 4.8 Years Robert Kaynor Hartford Mutual Funds

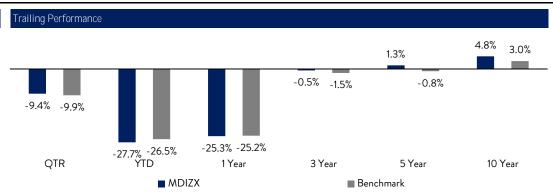
Family:

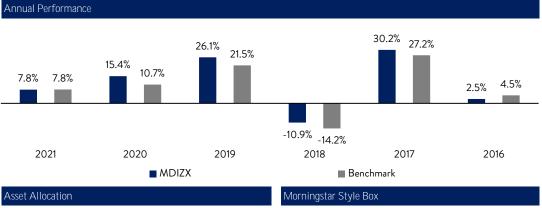
Manager:

Product Details	
Name	MFS Intl Diversification R6
Ticker	MDIZX
Expense Ratio	0.720%
Morningstar Category	US Fund Foreign Large Blend
Benchmark	MSCI ACWI Ex USA NR USD
Inception Date	10/2/2017
Longest Tenured Manager	Camille Humphries Lee
Longest Manager Tenure	4.08 Years
Fund Size	\$29,467,542,980

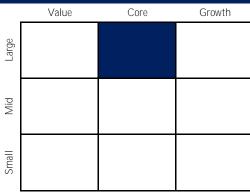
Fund Characteristics	MDIZX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$28,478	-\$13,170
P/E Ratio (TTM)	14.21	2.94
P/B Ratio (TTM)	1.83	0.31
Est. Dividend Yield	3.48%	-1.09%

Sector Allocations	MDIZX	Category	+/- Category
Materials	9.3%	7.5%	1.8%
Communication Services	5.4%	5.5%	-0.1%
Consumer Discretionary	10.7%	10.7%	0.0%
Consumer Staples	14.1%	10.2%	3.9%
Healthcare	9.0%	12.4%	-3.5%
Industrials	15.1%	14.3%	0.8%
Real Estate	2.1%	2.3%	-0.2%
Technology	13.4%	10.0%	3.4%
Energy	3.2%	5.6%	-2.5%
Financial Services	15.6%	18.4%	-2.8%
Utilities	2.3%	3.0%	-0.7%
Other	0.0%	0.0%	0.0%









Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• MDIZX	-9.35%	-27.68%	-25.34%	-0.54%	1.35%	4.79%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-9.91%	-26.50%	-25.17%	-1.52%	-0.81%	3.01%	• MDIZX	-9.35%	-12.36%	-8.97%	3.24%
+/- Benchmark	0.56%	-1.18%	-0.17%	0.98%	2.16%	1.78%	<ul> <li>Benchmark</li> </ul>	-9.91%	-13.73%	-5.44%	1.82%
Peer Group Rank	20	45	35	25	8	7	+/- Benchmark	0.56%	1.37%	-3.53%	1.43%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• MDIZX	7.78%	15.43%	26.09%	-10.92%	30.25%	2.47%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	7.82%	10.65%	21.51%	-14.20%	27.19%	4.50%	• MDIZX	-2.39%	5.01%	1.84%	13.65%
+/- Benchmark	-0.05%	4.78%	4.58%	3.27%	3.05%	-2.03%	• Benchmark	-2.99%	5.48%	3.49%	17.01%
Peer Group Rank	70	21	20	10	11	29	+/- Benchmark	0.60%	-0.47%	-1.65%	-3.37%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• MDIZX	1.35%	4.33%	8.93%	12.72%	10.94%	12.79%	• MDIZX	7.97%	17.21%	-19.74%	9.37%
• Benchmark	-0.81%	2.50%	6.76%	9.61%	8.94%	11.08%	• Benchmark	6.25%	16.12%	-23.36%	8.92%
+/- Benchmark	2.16%	1.83%	2.17%	3.11%	1.99%	1.71%	+/- Benchmark	1.72%	1.09%	3.61%	0.45%
Peer Group Rank	8	8	7	7	11	10					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• MDIZX	-1.15%	4.11%	12.02%	-11.72%
Alpha	0.74	0.00	1.92	0.00	1.91	0.00	<ul> <li>Benchmark</li> </ul>	-1.80%	2.98%	10.31%	-11.46%
Beta	0.92	1.00	0.91	1.00	0.90	1.00	+/- Benchmark	0.65%	1.13%	1.71%	-0.26%
Standard Deviation	17.31	18.48	15.29	16.40	13.07	14.16					
Sharpe Ratio	0.02	-0.03	0.09	-0.04	0.37	0.23	5-Year Quarterly				
Information Ratio	0.27	-	0.61	-	0.51	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-1.27	-2.15	0.17	-2.01	4.55	2.29	• MDIZX	1.31%	-0.25%	-0.15%	5.82%
Upside Capture Ratio	98.90	100.00	98.50	100.00	95.54	100.00	Benchmark	0.71%	-2.61%	-1.18%	5.00%
Downside Capture Ratio	95.22	100.00	89.20	100.00	85.29	100.00	+/- Benchmark	0.61%	2.36%	1.03%	0.82%

Morningstar Analyst Rating™ Overall Morningstar Rating™

Standard Index MSCI ACWI Ex

MSCI ACWI Ex Category Index

US Fund Foreign Large Morningstar Cat

## (USD) MFS Intl Diversification R6

88

+/- Std Index Std 09-30-2022 Load-adj Mthly 2022 2021 2020 Quarterly Returns No. in Cat % Rank Cat +/- Cat Index Total Return Trailing Returns Performance 09-30-2022 -19.74 -25.34 -25.34 -25.34 1st Otr -8.97 -0.17-0.171.84 750 -12.36 2nd Otr 17.21 0.98 -0.54 -0.545.01 701 3 Υ 22 3rd Otr -9.35 -2.39 2.16 2.16 7.97 610 1.35 5 Yr 13.65 4th Otr 3.24 1.78 1.78 4.79 10 Yr 419 8 -27.68 Total % 15.43 7.78 Incept 1.35 1.35

#### 30-day SEC Yield Performance Disclosure

7-day Yield

Subsidized

Unsubsidized

2011

-9.17

4.54 4.54

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics.

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

month-end, please call 800-225-2606 or visit quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

#### **Deferred Load %** Front-End Load % Sales Charges Fees and Expenses ₹ ₹

Cici cu rouu /o			5
Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.72
Gross Expense Ratio %			0.73
Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
	701 funds	610 funds	419 funds
Morningstar Rating™	4★	5☆	5☆
Morningstar Risk	-Avg	-Avg	Low
Morningstar Return	+Avg	High	High
	3 Yr	5Yr	10 Yr
Standard Deviation	17.31	15.29	13.07
Mean	-0.54	1.35	4.79
Sharpe Ratio	0.02	0.09	0.37
MPT Statistics	Standard Index	MSCI.	Best Fit Index MSCI ACWI Ex USA
Alpha	0.74	74	NR USD 0.74
Beta	0.92	92	0.92
R-Squared	96.31	31	96.31
12-Month Yield			I

Portfolio Analysis 09-30-2022 Asset Allocation % Cash US Stocks Non-US Stocks	Net % 2.15 4.57 93.28	Ş	Share Chg Share since Amount 08-2022 454 mil	Holdings: 610 Total Stocks, 0 Total Fixed-Income, 4% Tumover Ratio MFS Research International R6	Net Assets % 27.50
Non-US Stocks Bonds		93.28 0.00 0.00 0.00		MFS nesedicti international no MFS Emerging Markets Equity R6 MFS Let crosting (International Notice	27.30 17.36
Total	"	100.08 0.08	① 133 mil 421 mil	MFS International Growth R6 MFS International Large Cap Value	15.08 14.94
Equity Style  Value Blend Growth	Portfolio Statistics P/E Ratio TTM	Port Rel Rel Avg Index Cat 14.2 1.28 1.26	① 106 mil	106 mil MFS International New Discovery R6	10.00
1 9616			Sector Weightings	Stocks %	Rel Std Index
llem2 biM	P/B Ratio I IVI Geo Avg Mkt Cap 28 \$mil	1.8 1.23 1.21 28478 0.82 0.68	• Cyclical  • Basic Materials • Consumer Cyclical		0.89 1.14 0.98
Fixed-Income Style			Pool Extension		0./5
Ltd Mod Ext	Avg Eff Maturity		Real Estate	2.1	0.83
и́діН	Avg Eff Duration Avg Wtd Coupon	1 1	•		1.05
bəM	Avg Wtd Price	I	■ Communication Services ★ Energy	n Services 5.4 3.2	0.84 0.51
MO.			ndustrials	15.1	1.27
			Technology	13.4	1.23

USD MDIZX US5527435441 \$0	Stocks % 11.3 49.0 39.8		Duration Coupon Price	o TTM Mkt Cap
35441				1.8 28478
	Rel Std Index 0.97 1.13 0.89		₽	1.23 0.82
	Index 0.97 1.13 0.89	1 1 1 1	Bond	1.21 0.68
Purcha: Incept: Type: Total A				<b>3 &amp; 3</b> > 0
Purchase Constraints: Incept: Type: Total Assets:		<b>Defensive</b> Consumer Defensive Healthcare Utilities	Sensitive Communication Services Energy Industrials Technology	Cyclical Basic Materials Consumer Cyclical Financial Services Real Estate
A 10-02-2017 MF \$29,467.54 mil		<b>25.3</b> 14.1 9.0 2.3	<b>37.0</b> 5.4 3.2 15.1 13.4	<b>37.6</b> 9.3 10.7 15.6 2.1
		<b>1.13</b> 1.54 0.90 0.71	1.05 0.84 0.51 1.27 1.23	0.89 1.14 0.98 0.75 0.83

Objective:

Growth 4.1 Years Multiple

> ISIN: Ticker:

Base Currency:

Minimum Initial Purchase:

Tenure:

Manager: ramily: Operations Potential Cap Gains Exp

8.44%

Greater Asia

Greater Europe

Americas Regional Exposure Below B NR

88 88

₽₿

AAA

Credit Quality Breakdown

# Moderate Allocation Portfolio

Lifestyle Portfolios are multi-asset type investment options that are intended to be managed in accordance with a plan participant's retirement time horizon, long-term return expectations and overall tolerance for risk of principal loss. Since the asset allocation decision is the most important factor in determining investment returns over time, these types of funds provide three "packaged," diversified investment choices for those seeking assistance in making the asset allocation decision. Lifestyle Portfolios are constructed to provide different long-term investment return and risk characteristics that are determined by their underlying sub-funds. The sub-funds are actively managed U.S. Stock, International Stock and U.S. Bond Funds that are also available as "stand-alone" investment funds.

Asset Class: Asset Allocation Category: Lifestyle

**FUND FACTS** 

Inception Date: October 1, 2004

Investment advisory fee for period ended June 30, 2022: 0.07%

12b-1 fee: 0.00%

Other expenses: 0.11%

Total fund annual expenses without waivers or reductions for period ended June 30, 2022: 0.18%

reductions: -0.02% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended June 30, 2022: **0.16%** 

Turnover rate: 13%

charged under that program. If offered through a retirement program, additional fees and expenses may be

### Important Information

category information. Fund Company and/or Morningstar Category is interpreted by Voya® using

This Portfolio is not a registered Strategy section San Bernardino and detailed within the percentage allocations designated by Lifestyle Portfolio, based upon the underlying investment options within the weighted blend of fees charged by the Investment advisory fee reflects

the Securities and Exchange Commission. It is only available to participants in the San Bernardino invest in the Portfolio. eligible participants in the plan may qualified retirement program. Only Portfolio have not been registered with investment company, and interests in the

expenses for the funds at any time by calling your local Voya retirement program. expenses may be charged under your representative. Other fees and information on the charges and funds which contain additional prospectuses for the underlying You can obtain copies of free More

> enrollment material. information is included in the

### Investment Objective

equity markets investing at least half of their portfolio in fluctuations that are characteristic of comfortable with the higher short-term five, but less than ten years, or who are able to remain invested for more than most suitable for participants who are as the potential risk it assumes its potential for investment return as well of the three Lifestyle Funds in terms of income securities. It falls in the middle forty percent (40%) are allocated to fixed fund assets are allocated to equities and income. Sixty percent (60%) of the total combination of capital growth and provide long-term total return through a Moderate Allocation Portfolio is to The investment objective of the

#### Strategy

following proportions: active and passive investments in the Portfolio is to invest in a combination of The strategy for the Moderate Allocation

83

a higher interest rate from time to time.

The current rate is subject to change, but Value Option where stability of principal is the primary objective. Stabilizer<sup>SM</sup> minimum will never fall below the guaranteed for the life of the contract, and may credit guarantees a minimum rate of interest 20% in the San Bernardino Stable

performance of common stocks publicly traded in the United States. income and a competitive total return.
--- 26% in the Fidelity® 500 Index Fund --- 20% in the Sterling Capital Total Return Bond Fund - Class R6 Shares results that correspond to the total return which seeks to provide investment which seeks a high level of current

United States companies. of stocks of mid-capitalization results that correspond to the total return Fund which seeks to provide investment --- 6% in the Fidelity® Mid Cap Index

Fund which seeks to provide investment results that correspond to the total return States companies. of stocks of small-capitalization United --- 4% in the Fidelity® Small Cap Index

developed and emerging stock markets. correspond to the total return of foreign provide investment results that International Index Fund which seeks to 24% in the Fidelity® Total

> description. accompany this Lifestyle Portfolio Strategies and Principal Risks, and must Managers, Investment Objectives funds' Investment Advisers, P detailed information regarding the sub-Each sub-fund description contains more ortfolio

#### Principal Risks

All equity (both U.S. and International) and fixed income investments exhibit risk characteristics of the underlying sub-Portfolios are based on the proportionate uncertainty. The risks of Lifestyle relate to currency and political stocks do carry additional risks that for investment return. International that also provide the greatest potential principal is greater with investment funds Generally, the probability of loss of the potential for loss of principal value. certain risk characteristics that include

# San Bernardino Stable Value Option

Stabilizer<sup>SM</sup> is the name for a series of stable value separate accounts marketed to 401, 457 and 403(b) plans. Stabilizer is available through a group annuity contract issued by Voya Retirement Insurance and Annuity Company ("VRIAC"), a member of the Voya<sup>®</sup> family of companies.

# **Important Information**

One Orange Way www.voyaretirementplans.com Windsor, CT 06095-4774 Voya Retirement Insurance and Annuity

# What is the stable value option?

growth over time without daily fluctuations. defined contribution plan seeks to preserve participant account balances and to return steady The stable value investment option of your

#### What is Stabilizer?

LLC. The assets held in the separate account are "insulated" from claims arising out of any other business conducted by VRIAC and can be a leading provider of stable value products and services and a member of the Voya® family of supported by its full faith and credit. VRIAC is availability of participant account balances in provided by VRIAC. used only for the benefit of plan participants. managed by Voya Investment Management Co. companies. The separate account assets are the claims-paying ability of VRIAC and are guarantees provided by the contract are based on conditions, the contract generally guarantees the separate account group annuity contract It is an insurance company participating Subject to certain

# What does it invest in?

maintain a high overall credit quality and consists of various publicly traded fixed-income diversified separate account portfolio seeks to portfolio of fixed income assets. This The separate account invests in a diversified

#### **Potential Risks**

plan termination are not always covered by Stabilizer's guarantees and may be restricted or events, such as withdrawals following mass participants to lose money even in a stable value by any other government agency or by your Federal Deposit Insurance Corporation (FDIC), value account balance is not guaranteed by the subject to market value adjustment. Your stable layoffs, employer bankruptcy or full or partial Withdrawals resulting from employer-initiated investors to be aware of these potential risks occur, but they can happen. It's important for Under some scenarios it is possible for Those situations are unlikely and rarely

# What is the objective?

credited, the interest becomes part of the principal and may increase through compound interest and may credit a higher interest rate from period to period. The credited interest rate is this investment option. While the contract is active, Stabilizer M guarantees a minimum rate of interest. below the guaranteed minimum. Once the rate is subject to change, up or down but will never fall Stability of principal is the primary objective of

# How is the rate of interest stated?

balances for the specified period. all new contributions and existing account This rate is net of all expenses and will apply to Participant balances are credited interest daily.

rate periods are quarterly, semi-annually or upcoming crediting rate period. The crediting The crediting rate is announced in advance of the

check your Voya quarterly participant statement For information on your current rate, please

# How does it benefit me?

stability an attractive feature. An announced rate of interest is another feature of stable value investment options that many participants like market value. Many participants find this help insulate against the daily fluctuations in The stable value investment option is intended to

#### option? transfers from my plan's stable value contributions, withdrawals, or Are there any limitations on

disability, unforeseen hardship, separation from service, or attainment of age 65 (consult your wash" provision. be subject to an industry standard 90 day "equity option and funds with similar investment objectives (referred to as competing funds) may Participant transfers between the stable value own plan for limitations), however sometimes withdrawals as a result of retirement, death, there are restrictions on participant transfers Voya generally does not limit contributions or

### What are the fees?

Total Annual fees are 0.34%.

the 1940 Act and has not been registered with the Securities and Exchange Commission. This portfolio is not a registered investment under

# Asset Class: Stability of Principal

#### 06/30/2022) Top Ten Credit Exposures (as of

American Honda Motor Company Inc	Royal Bank of Canada	Verizon Communications Inc	Mitsubishi UFJ Financial Group Inc	Wells Fargo & Company	CitiGroup Inc	Goldman Sachs Group Inc/The	Morgan Stanley	JPMorgan Chase & Co	Bank of America Corp
0.32	0.32	0.36	0.37	0.37	0.40	0.49	0.90	1.04	1.34

# Sector Holdings (as of 06/30/2022) Agency Mortgages 3

Agency Mortgages Asset Backed Securities Commercial Mortgage Backed Securities Emerging Markets Government Related HY Corporates IG Corporates IG Corporates	2.5 6.0 0.1 0.1 0.0 26.5
Emerging Markets Government Related	0.1
HY Corporates IG Corporates	0.0 26.5
Non-Agency RMBS and SF CRT Other	0.1
US Treasury & Cash	29.7

# Statistical Data (as of 06/30/2022)

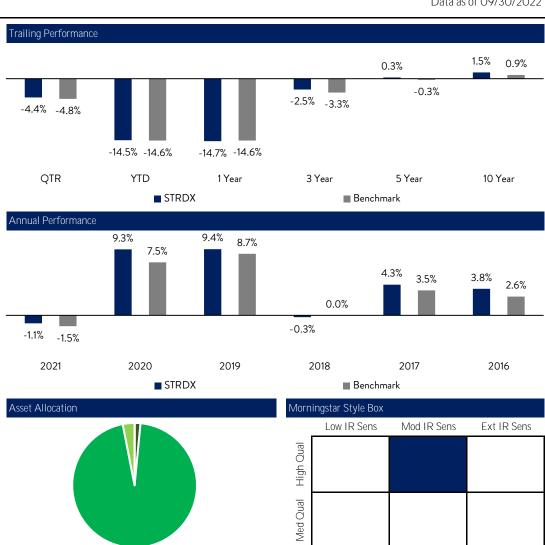
84

Average Life (years)	Yield to Maturity	Portfolio Duration (years)
5.983	3.64%	4.35

Product Details	
Name	Sterling Capital Total Return Bond R6
Ticker	STRDX
Expense Ratio	0.350%
Morningstar Category	US Fund Intermediate Core Bond
Benchmark	Bloomberg US Agg Bond TR USD
Inception Date	2/1/2018
Longest Tenured Manager	Mark M. Montgomery
Longest Manager Tenure	14.75 Years
Fund Size	\$994,402,431

Fund Characteristics	STRDX	+/- Category
% Assets in Top 10 Holdings	21.35%	-23.23%
Average Eff Duration	5.88	-0.07
Average Eff Maturity	8.55	0.47
Average Credit Quality	AA	A (Cat Avg.)
Average Coupon	3.00%	-0.03%

Sector Allocations	STRDX	Category	+/- Category
Government	14.8%	30.9%	-16.1%
Municipal	3.9%	0.7%	3.2%
Bank Loan	0.0%	0.0%	0.0%
Convertible	1.6%	1.3%	0.4%
Corporate Bond	23.5%	24.8%	-1.3%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	24.3%	25.4%	-1.1%
Non-Agency RMBS	0.1%	0.2%	-0.1%
Commercial MBS	14.0%	2.8%	11.1%
Asset-Backed	16.4%	6.1%	10.3%
Cash & Equivalents	1.5%	6.0%	-4.5%
Other	0.0%	1.7%	-1.7%



1.5%

93.6%

3.0%

• US Equity

• Intl Equity

• Other

0.0%

0.0%

0.0%

Low Qual

• Cash

• US Bond

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	E Voor Quarterly				
• STRDX	-4.42%	-14.50%	-14.72%	-2.54%	0.29%	1.46%	5-Year Quarterly Performance	3Q22	2Q22	1Q22	4Q21
Benchmark	-4.75%	-14.61%	-14.60%	-3.26%	-0.27%	0.89%	• STRDX	-4.42%	-4.69%	-6.15%	-0.26%
+/- Benchmark	0.33%	0.11%	-0.12%	0.71%	0.56%	0.57%	• Benchmark	-4.75%	-4.69%	-5.93%	0.01%
Peer Group Rank	20	32	36	16	8	6	+/- Benchmark	0.33%	0.01%	-0.21%	-0.27%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• STRDX	-1.12%	9.35%	9.37%	-0.27%	4.33%	3.75%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	-1.54%	7.51%	8.72%	0.01%	3.54%	2.65%	• STRDX	0.04%	2.16%	-3.00%	1.67%
+/- Benchmark	0.42%	1.84%	0.65%	-0.28%	0.79%	1.10%	• Benchmark	0.05%	1.83%	-3.37%	0.67%
Peer Group Rank	26	17	18	42	11	13	+/- Benchmark	-0.02%	0.33%	0.37%	1.00%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• STRDX	0.29%	1.41%	2.72%	4.23%	3.75%	3.95%	• STRDX	1.59%	5.10%	0.73%	0.14%
Benchmark	-0.27%	0.88%	2.14%	3.57%	2.94%	3.03%	Benchmark	0.62%	2.90%	3.15%	0.18%
+/- Benchmark	0.56%	0.53%	0.57%	0.66%	0.80%	0.93%	+/- Benchmark	0.97%	2.21%	-2.42%	-0.04%
Peer Group Rank	8	7	9	9	7	7					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• STRDX	2.19%	3.53%	3.23%	1.06%
Alpha	0.68	0.00	0.53	0.00	0.58	0.00	• Benchmark	2.27%	3.08%	2.94%	1.64%
Beta	0.98	1.00	0.97	1.00	0.96	1.00	+/- Benchmark	-0.08%	0.45%	0.29%	-0.57%
Standard Deviation	5.57	5.36	4.85	4.77	3.94	3.93					
Sharpe Ratio	-0.54	-0.70	-0.16	-0.28	0.21	0.06	5-Year Quarterly				
Information Ratio	0.39	-	0.38	-	0.50	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-3.23	-3.89	-0.93	-1.46	0.78	0.18	• STRDX	0.24%	-0.15%	-1.40%	0.64%
Upside Capture Ratio	115.73	100.00	108.39	100.00	106.30	100.00	Benchmark	0.02%	-0.16%	-1.46%	0.39%
Downside Capture Ratio	100.98	100.00	98.84	100.00	94.91	100.00	+/- Benchmark	0.22%	0.00%	0.06%	0.25%

2020	Quarterly Returns	0	<b>Performance</b> 09-30-2022		Bond		Starling Canital Total Raturn Morningstar Quantitative	nelease date 03
0.73 5.10 1.59	ist utr zna utr 3ra utr 4th utr iotal %		)9-30-2022		Bond R6 (USD		n Cani	neiedse date 03-30-2022   Note: Foi doits of the alidiysts die based on pre-inception reducis reduciscostie foi more information
0 1.50	ir 3rd Ut			٠	Ξ	- 2	<u></u>	טו נוטווצ ט
1.67	r 4th Ut						בלט מל	I LIE GIIG
7 9.35	r lotal %	T-1-10					D D	lysis die D
	94	E					† 	dsed on bi
-	97	E		09-30-202	Neutral <sup>a</sup>	Rating	Morni	a-IIIcepu
Ī	96	E		2022	an o	M	ngstar (	JIIIeiuii
	9	E					<b>Luantitat</b>	s. riedse
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	8	E		Core Bond	401 US Fund Intermediate	***	Overall Morningstar Rating <sup>TM</sup> Standard Index	insure in
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	98	E			rmediate		star Rat	IOITIALIOI
-	96	E			D D	В	ing™ S	
-	96	E			gg Bond	loomber	tandard	
-	97	E			TR USD	Bloomberg US	Index	
100k		Fixed-Income			Agg Bond TR USD Bond TR USD Core Bond	Bloomberg US Agg	င္မ	
	- 6	rcome	Investment Style		Core Bond	oomberg US Agg US Fund Intermediate	tegory Index Morningstar Cat	

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2020	0.73	5.10	1.59	1.67	9.35
2021	-3.00	2.16	0.04	-0.26	-1.12
2022	-6.15	-4.69	-4.42		-14.50
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-14.72	-2.54		I	0.41
Std 09-30-2022	-14.72	1			0.41
Total Return	-14.72	-2.54	0.29	1.46	0.41
+/- Std Index	-0.12	0.71	0.56	0.57	I
+/- Cat Index	-0.12	0.71	0.56	0.57	
% Rank Cat	42	15	9	6	
No. in Cat	445	401	363	269	

	923	1. Contractual waiver; Expires 01-31-2023
3.56	3.64 1	30-day SEC Yield 09-30-22
1	3.14 1	7-day Yield 10-27-22
OHSUDSIDIZED	nazinismo	

(if applicable) Morningstar metrics.
The performance data quoted represents past performance and Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns,
The Overall Morningstar Average of the three-, five-, and 10-year

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and

454

No. of Funds in Cat % Rank Cat +/- Category Index +/- Standard Index Total Return %

-14.50

9.11

NAV/Price History

0.1

0.11

09-22

4

Performance Quartile (within category)

quoted herein. For performance data current to the most recent month-end, please call 800-228-1872 or visit Current performance may be lower or higher than return data

www.sterlingcapitalfunds.com.		
Fees and Expenses	Equity Style	P
Calac Charnes	Value Blend Growth	0
Front-End Load % NA	rside	₽;
	biM	P/
Fund Expenses	llsm2	<b>€</b> €
Management Fees % 0.25		
	Fixed-Income Style	>
Net Expense Ratio % 0.35	Ltd Mod Ext	<u> </u>
Gross Expense Ratio % 0.46	цбіі	₽ ;
Risk and Return Profile	Med	≱ :

ees and Expenses			
iles Charges			
ont-End Load %			N
eferred Load %			N
nd Expenses			
anagement Fees %			0.25
2b1 Expense %			0.00
et Expense Ratio %			0.35
ross Expense Ratio %			0.46
isk and Return Profile			
	3 Yr 401 funds	5 Yr <i>363 funds</i>	10 Yr 269 funds
orningstar Rating™	4★	5☆	5☆
orningstar Risk	Avg	Avg	Avg
orningstar Return	+Avg	High	High
	3 Yr	5Yr	10 Yr
andard Deviation	5.57	4.85	3.94
ean	-2.54	0.29	1.46
narpe Ratio	-0.54	-0.16	0.21
T Statistics	Standard Index		Best Fit Index Bloombera US
			Universal TR USD
pha	0.	0.68	0.56
eta	0.	0.98	0.99
Squared	89.47	47	96.21
2-Month Yield			2.83%
ntential Cap Gains Exp			2.91%

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	-1.11	-1.11	6.73	1	2011										92				=	3
	1.93	1.93	6.14		2012										97		09-30-2	Neutra	Rating	Mornin
ı	1.05	1.05	-0.97		2013										96		022	=	M	Morningstar Quantitative
1	0.03	0.03	5.99		2014										97					uantitat
1	-0.01	-0.01	0.54		2015										97					ive
ı	1.10	1.10	3.75		2016				)						95		Core Bo	401 US	****	0verall
1	0.79	0.79	4.33		2017										97		nd.	Fund Int	•	Mornin
1	-0.28	-0.28	-0.27	10.22	2018										88			ermedia		Overall Morningstar Rating **
17	0.65	0.65	9.37	10.82	2019				1	1					96		-			
10	1.84	1.84	9.35	11.35	2020										8			Agg Bon	Bloombe	Standard Index
23	0.42	0.42	-1.12	10.87	2021										97		-	d TR US	su gré	d Index
		1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       —     —     —     —     —     —     17     10	1.33     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.33     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.33     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.34     1.35     1.35     1.35     1.35     1.35     1.35     1.35	-0.97     5.99     0.54     3.75     4.33     -0.27     9.37     9.35       1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.05     -     -     -     -     -     17     10	10.22     10.82     11.35     1       6.14     -0.97     5.99     0.54     3.75     4.33     -0.27     9.37     9.35     .       1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84       1.93     1.05     0.03     -0.01     1.10     0.79     -0.28     0.65     1.84	2012         2013         2014         2015         2016         2017         2018         2019         2020           —         —         —         —         —         —         —         10.22         10.82         11.35         1           6.14         -0.97         5.99         0.54         3.75         4.33         -0.27         9.37         9.35         1.93           1.93         1.05         0.03         -0.01         1.10         0.79         -0.28         0.65         1.84           1.93         1.05         0.03         -0.01         1.10         0.79         -0.28         0.65         1.84           1.93         1.05         0.03         -0.01         1.10         0.79         -0.28         0.65         1.84           1.93         1.05         0.03         -0.01         1.10         0.79         -0.28         0.65         1.84           1.93         1.94         -0.28         -0.55         1.84         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28         -0.28	2012   2013   2014   2015   2016   2017   2018   2019   2020						2012 2013 2014 2015 2016 2017 2018 2019 2020 2012 2013 2014 2015 2016 2017 2018 2019 2020 2017 2018 2019 2020 2018 2019 2020 2019 2018 2019 2020 2010 2011 2014 2015 2016 2017 2018 2019 2020 2010 2013 2014 2015 2016 2017 2018 2019 2020 2010 2013 2014 2015 2016 2017 2018 2019 2020 2012 1032 1035 1035 1135 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1133 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.79 -0.28 0.65 1134 1135 0.03 -0.01 1.10 0.03 -0.01	2012 2013 2014 2015 2016 2017 2018 2019 2020	2012 2013 2014 2015 2016 2017 2018 2019 2020	97 96 97 97 95 97 98 96 96  98 96 97 97 95 97 98 96 96  99 96 97 97 97 98 96 96	97 96 97 97 95 97 98 96 96 97 96 97 97 95 97 98 96 96 97 96 97 97 95 97 98 96 96 96 97 97 97 95 97 98 96 96 96 97 97 97 95 97 98 96 96 133 105 0.03 -0.01 1.10 0.79 -0.28 0.65 1.84 1.33 1.05 0.03 -0.01 1.10 0.79 -0.28 0.65 1.84 1.33 1.05 0.03 -0.01 1.10 0.79 -0.28 0.65 1.84 1.33 1.05 0.03 -0.01 1.10 0.79 -0.28 0.65 1.84 1.33 1.05 0.03 -0.01 1.10 0.79 -0.28 0.65 1.84	09-30-2022 Core Bond	Neutral °       401 US Fund Intermediate       Agg Bond         09-30-2022       Core Bond       Image: Bond of	Neutral a 401 US Fund Intermediate 09-30-2022 Core Bond  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

· 20k

Category Average 12,184 Standard Index 12,254

흦

60k 60k 100

Growth of \$10,000

4

Sterling Capital 1 Bond R6 13,048

Total Return

Share Chg Share Holdings: since Amount O Total Stocks , 330 Total Fixed-Income, 08-2022 49% Tunnover Ratio  9 3 mil United States Treasury Bonds 1.375%  5 3 mil United States Treasury Bonds 2.5%  29 mil United States Treasury Notes 2.625%  21 mil United States Treasury Notes 1.5%  21 mil ONEMAIN FINANCIAL ISSUANCE TRUST 1  16 mil ONEMAIN FINANCIAL ISSUANCE TRUST 1  16 mil ONEMAIN DIRECT AUTO RECEIVABLES TR 15 mil AMERICREDIT AUTOMOBILE RECEIVABLES TR 15 mil HERTZ VEHICLE FINANCING III LLC 1.  14 mil Federal Home Loan Mortgage Corpora  11 mil Federal National Mortgage Associat  11 mil Federal National Mortgage Associat  11 mil Federal National Mortgage Associat  12 mil Federal National Mortgage Associat  15 mil Federal National Mortgage Associat  16 Cyclical  17 Descriptions  18 Basic Materials	Credit Quality Breakdown 09-30-2022	мод	Hixed-Income Style  Avg Eff Maturity  Avg Eff Duration  Avg Wtd Coupon  Avg Wtd Price	Value Blend Growth P/E Ratio TTM Blend Growth P/E Ratio TTM Blend Growth P/E Ratio TTM Blend Growth P/B Ratio TTM Geo Avg Mkt Cap Smil		.ocks §	Asset Allocation %         Net %           Cash         0.65           IIS Strocks         0.00	Portfolio Analysis 09-30-2022
Share Chg Share Holdings:  0.86 since Amount O'Total Stocks , 330 Total Fixed-Income, 0.00 ⊕ 93 mil United States Treasury Bonds 1.375% 0.00 ⊕ 53 mil United States Treasury Bonds 2.5% 0.00 ⊕ 29 mil United States Treasury Notes 2.625% 21 mil United States Treasury Notes 1.5% 21 mil ONEMAIN FINANCIAL ISSUANCE TRUST 1 Rel Cat ⊕ 16 mil Fnma Pass-Thru I 16 mil ONEMAIN DIRECT AUTO RECEIVABLES TR 15 mil AMERICREDIT AUTOMOBILE RECEIVABLES TR 15 mil HERTZ VEHICLE FINANCING III LLC 1.  ⊕ 14 mil Federal Horme Loan Mortgage Corpora 5.88 5.88 5.88 6. 13 mil Federal National Mortgage Associat 88.16 9. 11 mil Federal National Mortgage Associat 88.16 9. Cyclical  • O Cyclical  • O Cyclical  • O Cyclical  • O Total Stocks 300 Total Fixed-Income.  • O Cyclical  • O Cyclical  • O Cyclical  • O Cyclical  • O Total Stocks 300 Total Fixed-Income.  • O Cyclical  • O Cyclical  • O Cyclical  • O Cyclical  • O Total Stocks 300 Total Fixed-Income.  • O Total Stocks 300 Total Fixed-Income.  • O Total Stocks 300 Total Fixed-Income.  • O Cyclical  • O Cyclical  • O Cyclical						0.00 97.43 1.92	Long % 1.51	
Chg Share Holdings: Amount O Total Stocks , 330 Total Fixed-Income, 49% Turnover Ratio 93 mil United States Treasury Bonds 1.375% 53 mil United States Treasury Bonds 2.5% 29 mil United States Treasury Notes 2.625% 21 mil United States Treasury Notes 1.5% 21 mil United States Treasury Notes 1.5% 21 mil ONEMAIN FINANCIAL ISSUANCE TRUST 1 16 mil Fnma Pass-Thru I 16 mil Fnma Pass-Thru I 16 mil HERTZ VEHICLE FINANCING III LLC 1. 14 mil Federal Home Loan Mortgage Corpora 12 mil Fnma Pass-Thru I 3% 13 mil Federal National Mortgage Associat 11 mil Federal National Mortgage Associat 17 Weightings 18 Stocks % 18 Mortgage Associat 19 Stocks % 19 Stocks % 19 Stocks %	Bond %		8.55 5.88 3.00 88.16			0.00	Short % 0.86	
loldings: Total Stocks , 330 Total Fixed-Income, 9% Turnover Ratio 9% Turnover Ratio Inited States Treasury Bonds 1.375% Inited States Treasury Bonds 2.5% Inited States Treasury Notes 2.625% Inited States Treasury Notes 1.5% Inited States Treasury Notes 1.3% Inited States Treasury Notes 1.375% Inited States Tre	_	Sector Weightings			21 mil 21 mil		Chg 22	
	ıls –	Stocks % Rel Std Index	Fnma Pass-Thru I Federal Home Loan Mortgage Corpora Fnma Pass-Thru I 3% Federal National Mortgage Associat Federal National Mortgage Associat	Fnma Pass-Thru I ONEMAIN DIRECT AUTO RECEIVABLES TR AMERICREDIT AUTOMOBILE RECEIVABLES Federated Hermes Treasury Obi IS HERTZ VEHICLE FINANCING III LLC 1.	United States Treasury Notes 1.5% ONEMAIN FINANCIAL ISSUANCE TRUST 1	United States Treasury Bonds 1.375% United States Treasury Bonds 2.5% United States Treasury Notes 2.625%	Holdings : 0 Total Stocks , 330 Total Fixed-Income, 49% Turnover Ratio	

STRDX US85918D6242 \$10 mil \$10 mil A					Stocks %								0-2022	20-2022	
2			1		Rel Std Index	0.00	0.02	0.00	0.06	12.84	14.13	9.70	63 25	Bond %	
Incept: Type: Total Assets:	Utilities	<ul> <li>Healthcare</li> </ul>	Consumer Defensive	→ Defensive	Technology	Industrials	★ Energy	Communication Services	✓ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	Դ Cyclical	Sector Weightings
02-01-2018 MF \$994.40 mil	ı	I	1	ı		I	1		Ι	1	I	I	I	I	Stocks %
		1	1	I			1		I	1				ĺ	Rel Std Index

Operations Family:

P<sub>0</sub> 12

Greater Europe Greater Asia

Americas Regional Exposure 불 | 오 조 S

B BB

Below B NR

Objective: Manager:

Base Currency:

Tenure:

Multiple 14.8 Years Growth and Income

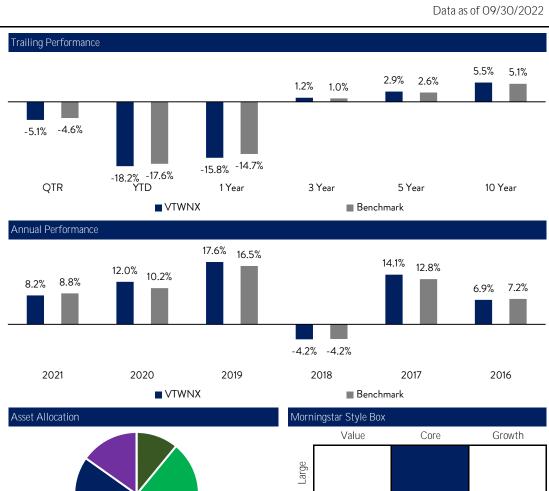
> ISIN: Ticker:

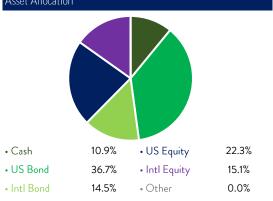
Purchase Constraints: Min Auto Investment Plan: Minimum Initial Purchase: Sterling Capital Funds

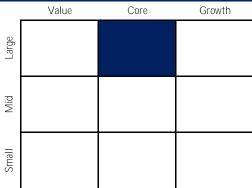
Product Details	
Name	Vanguard Target Retirement 2020 Fund
Ticker	VTWNX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2020
Benchmark	S&P Target Date 2020 TR USD
Inception Date	6/7/2006
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$39,834,773,754

Fund Characteristics	VTWNX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$53,592	-\$4,596
P/E Ratio (TTM)	13.88	-0.52
P/B Ratio (TTM)	2.09	-0.11
Est. Dividend Yield	2.86%	0.08%

Sector Allocations	VTWNX	Category	+/- Category
Materials	4.9%	4.5%	0.3%
Communication Services	6.8%	6.7%	0.1%
Consumer Discretionary	11.3%	10.8%	0.4%
Consumer Staples	7.4%	6.9%	0.5%
Healthcare	12.9%	13.0%	-0.1%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	5.7%	-2.0%
Technology	18.4%	18.2%	0.2%
Energy	5.1%	5.2%	0.0%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%







#### Vanguard Target Retirement 2020 Fund VTWNX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTWNX	-5.12%	-18.21%	-15.83%	1.17%	2.91%	5.46%	Performance	3Q22	2Q22	1Q22	4Q21
Benchmark	-4.59%	-17.57%	-14.75%	0.98%	2.64%	5.11%	• VTWNX	-5.12%	-9.20%	-5.06%	2.91%
+/- Benchmark	-0.54%	-0.65%	-1.08%	0.18%	0.27%	0.35%	• Benchmark	-4.59%	-9.33%	-4.72%	3.42%
Peer Group Rank	48	41	36	39	26	19	+/- Benchmark	-0.54%	0.13%	-0.35%	-0.51%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTWNX	8.17%	12.04%	17.63%	-4.24%	14.08%	6.95%	Performance	3Q21	2Q21	1Q21	4Q20
Benchmark	8.76%	10.24%	16.52%	-4.16%	12.80%	7.22%	• VTWNX	-0.41%	4.20%	1.28%	7.86%
+/- Benchmark	-0.60%	1.80%	1.11%	-0.08%	1.28%	-0.27%	• Benchmark	-0.24%	3.90%	1.46%	7.37%
Peer Group Rank	70	43	35	43	24	33	+/- Benchmark	-0.18%	0.30%	-0.18%	0.49%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTWNX	2.91%	4.64%	7.27%	9.26%	8.60%	9.39%	• VTWNX	4.48%	11.40%	-10.76%	4.46%
• Benchmark	2.64%	4.18%	6.78%	8.60%	7.98%	8.63%	• Benchmark	3.74%	10.65%	-10.55%	4.19%
+/- Benchmark	0.27%	0.46%	0.49%	0.67%	0.62%	0.76%	+/- Benchmark	0.74%	0.76%	-0.21%	0.27%
Peer Group Rank	26	26	33	32	32	32					
							5-Year Quarterly				
Risk Statistics	3 '	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTWNX	1.19%	3.21%	7.82%	-6.50%
Alpha	0.19	0.00	0.24	0.00	0.25	0.00	<ul> <li>Benchmark</li> </ul>	1.17%	2.88%	7.45%	-6.49%
Beta	1.02	1.00	1.02	1.00	1.02	1.00	+/- Benchmark	0.02%	0.33%	0.38%	-0.01%
Standard Deviation	10.98	10.71	9.59	9.34	7.96	7.76					
Sharpe Ratio	0.10	0.08	0.22	0.20	0.62	0.59	5-Year Quarterly				
Information Ratio	0.21	-	0.35	-	0.53	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	0.52	0.35	1.67	1.44	4.65	4.40	• VTWNX	2.36%	0.61%	-0.54%	3.36%
Upside Capture Ratio	103.74	100.00	103.38	100.00	103.33	100.00	• Benchmark	2.33%	1.09%	-0.92%	3.20%
Downside Capture Ratio	102.63	100.00	101.75	100.00	101.17	100.00	+/- Benchmark	0.02%	-0.48%	0.38%	0.16%

# **2020 Fund (USD)** Vanguard Target Retireme

+/- Cat Index +/- Std Index Std 09-30-2022 Load-adj Mthly 2021 2020 Quarterly Returns No. in Cat % Rank Cat Total Return Trailing Returns Performance 09-30-2022 -15.83 -15.83 -15.83 -10.76 1st Otr -5.06 3.05 2.37 1.28 2nd Otr 11.40 0.02 1.17 -9.20 1.17 4.20 3 Υ 146 48 3rd Otr -0.41 -0.04 -5.12 0.43 2.91 2.91 2.91 4.48 119 5 Yr 4th Otr 5.46 5.46 5.46 0.84 0.29 2.91 7.86 10 Yı 12.04 8.17 -18.21 Total % 5.30 5.30 5.30 5.30

derived from a weighted average of the three-, five-, and 10-year	The Overall Morningstar Rating is based on risk-adjusted returns,	Performance Disclosure	30-day SEC Yield 10-26-22	7-day Yield
of the three-, five-, ar	based on risk-adjuste		2.49	1
nd 10-year	ed returns,		2.57	

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than The performance data quoted represents past performance and does not guarantee future results. The investment return and (if applicable) Morningstar metrics

their original cost.

Asset Allocation Portfolio Anal 205 32

36 208

18 222

228

237 23

221 29

234

250

233 28

178 46

171

156

No. of Funds in Cat % Rank Cat

42

Sales Charges Front-End Load % Deferred Load %	N N
Deterred Load %	NA
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.08
Gross Expense Ratio %	0.08
Risk and Return Profile	

Rest Fit Index		Standard Index	MPT Statistics
0.62	0.22	0.10	Sharpe Ratio
5.46	2.91	1.17	Mean
7.96	9.59	10.98	Standard Deviation
10 Yr	5Yr	3 Yr	
+Avg	Avg	Avg	Morningstar Return
Avg	Avg	Avg	Morningstar Risk
4⊁	<b>4★</b>	3 <b>★</b>	Morningstar Rating <sup>™</sup>
56 funds	119 funds	146 funds 11	!
10 Yr	5 Yr	3 Yr	
			<b>Risk and Return Profile</b>
0.08			Gross Expense Ratio %
0.08			Net Expense Ratio %
NA			12b1 Expense %
0.00			Management Fees %

Deterred Load %			S
Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA A
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr 146 funds 119	5 Yr 119 funds	10 Yr 56 funds
Morningstar Rating™		<b>*</b>	4 <b>★</b>
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	10.98	9.59	7.96
Mean	1.17	2.91	5.46
Sharpe Ratio	0.10	0.22	0.62
MPT Statistics	Standard Index	Bes Mornii	Best Fit Index Morningstar Gbl
Alpha	-0.01		0.69
Beta	0.83		0.80
R-Squared	98.87		99.05
12-Month Yield			2.57%
Potential Cap Gains Exp			43.35%
Operations			
Family: Var	Vanguard		
Mossoc:	M   + : >   >		

ent	Morningst	ıgstar A vor	nalyst R	ating™	Morningstar Analyst Rating™ Overall Morningstar Rating™ ****	Mornin	gstar Ra		Standard Index Morningstar Mo	Standard Index Morningstar Mod	Category Index Morningstar	<b>Index</b> ar	Morningstar US Fund Tara
	02-24-2022	022			146 US 2020	146 US Fund Target-Date 2020	rget-Dat		Tgt Risk TR USD	TR USD		d 2020	2020
ಜ 🏢	ಜ 📗	36	38	40	42	43	47	48	S <b>T</b>	50	51	Investment Style Fixed-Income Bond %	i <b>t Style</b> ime
											60k	Growth of \$10,000  Wanguard Ta	wth of \$10,000 Vanguard Target Re
								}	1		20k	18,975 — Categor	18,975 Category Average
<b>\</b>	1	}									10k	— Standa 18,413	Standard Index 18,413
											4		
												Performance Q (within category)	Performance Quartile (within category)
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	09-22	History	
21.69	23.83	27.11	28.46	27.15	28.26	31.38	28.63	32.53	34.29		25.37	NAV/Price	
0.60 0.01	12.35 0.31	15.85	7.11 2.22	-0.68 1.11	6.95 -1.62	14.08 -0.58	-4.24 0.52	17.63 -1.39	12.04 -0.78	8.17 -2.02	-18.21 2.70	Total Return % +/- Standard Index	rn % rd Index
-1.14	-0.18	2.87	1.24	1.20	-0.71	1.29	-0.08	-0.10	-1.28	-0.87	3.50	+/- Category Index	ry Index

guard Target Retirement ) Fund

**US Fund Target-Date Morningstar Cat** 

Portfolio Analysis 09-30-2022	<b>s</b> 09-30-2022					
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings:
Cash	2.57	11.87	9.30	since	Amount	10,700 Total Stocks , 18,749 Total Fixed-Income,
US Stocks	24.47	24.47	0.00	7707-00		5% Turilover nauo
Non-US Stocks	16.48	16.48	0.00	①	,35/ mII	Vanguard Total Bond Market II ldx
Bonds	55.95	55.96	0.02	1	60 mil	Vanguard Total Stock Mkt Idx Instl
Other/Not Clsfd	0.53	0.53	0.00	<b>①</b>	458 mil	Vanguard Total Intl Stock Index Inv
Total	100.00	109.31	9.31	①	225 mil 185 mil	225 mil Vanguard Total Intl Bd II ldx Insl 185 mil Vanguard Shrt-Term Infl-Prot Sec I
Equity Style	Portfolio Statistics	Port Rel	Rel	(		C
Value Blend Growth	P/F Ratio TTM	Avg Index 13.9 1.06		Sector Weightings	ightings	Stocks %
agre.	P/C Ratio TTM		0.96	Դ Cyclical	cal	35.5
ρiM	P/B Ratio TTM			Basic	Basic Materials	s 4.9
S	Geo Avg Mkt Cap	53592 1.48	0.92	Cons	Consumer Cyclical	ical 11.3
llem	\$mil			📭 Finan	Financial Services	ces 15.7

			Your Daily Glori	Value Bland Growth	Equity Style
llsm2	biM	eBu		3-	
\$mil	P/B Ratio TTM	P/C Ratio TTM	P/E Ratio TTM		Portfolio Statistics
28656	2.1	10.5	13.9	Avg	Port
.40	1.09	1.03	1.06	Index	Rel
76.0	0.95	0.96	0.96	Cat	Rel

Fixed-Income Style	ome St	yle	
Ltd Mod	E.	Avg Eff Maturity	7.65
		Avg Eff Duration	5.98
			1.93
		Avg Wtd Price	89.23
		Γον	
Credit Ou	ality B	Credit Quality Breakdown 09-30-2022	Bond %
AAA			65.22
A			8.01
A			14.09

0.33 0.12		
0.33		NR.
		Below B
0.00		В
0.00		BB
12.23		BBB
14.09		A
		AA
65.22		AAA
Bond %	kdown 09-30-2022	Credit Quality Breakdown 09-30-2022
_		мот
89.23	Avg Wtd Price	palv
1.93	Avg Wtd Coupon	1 4
5.98	Avg Eff Duration	біН
7.65	Avg Eff Maturity	Ltd Mod Ext
:1		Fixed-Income Style

Sector W	•	①	<b>⊕</b>	1	①	since 08-2022	Share Chg	
Sector Weightings	185 mil	225 mil	458 mil	60 mil	1,357 mil	Amount	Share	
Stocks %	185 mil Vanguard Shrt-Term Infl-Prot Sec I	Vanguard Total Intl Bd II Idx Insl	Vanguard Total Intl Stock Index Inv	Vanguard Total Stock Mkt Idx Instl	1,357 mil Vanguard Total Bond Market II Idx	10,700 Total Stocks , 18,749 Total Fixed-Income, 5% Turnover Ratio	Holdings:	
Rel Std Index	10.98	14.42	16.89	24.80	31.61	%	Net Assets	

ctor Weightings	Stocks %	Rel Std Index
Cyclical	35.5	0.90
Basic Materials	4.9	0.93
Consumer Cyclical	11.3	1.05
Financial Services	15.7	0.97
Real Estate	3.6	0.51
Sensitive	41.2	1.13
Communication Services	6.8	1.16
Energy	5.1	0.95
Industrials	10.8	0.98
Technology	18.4	1.30
Defensive	23.3	0.97
Consumer Defensive	7.4	0.94
Healthcare	12.9	1.02
Utilities	3.1	0.84

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$1,000	US92202E8057	VTWNX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$39,834.77 mil	MF	06-07-2006	l

Tenure: Manager:

Multiple 9.7 Years Vanguard

Greater Europe Greater Asia

64.0 17.0 19.0

1.04 0.96 0.93

Americas

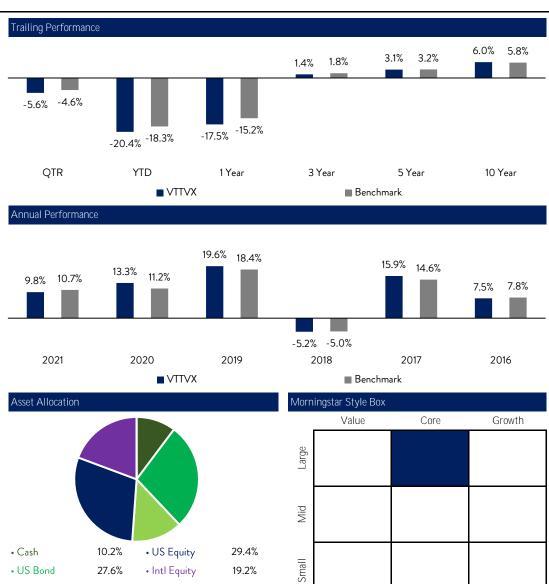
Objective:

Asset Allocation

Product Details	
Name	Vanguard Target Retirement 2025 Fund
Ticker	VTTVX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2025
Benchmark	S&P Target Date 2025 TR USD
Inception Date	10/27/2003
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$69,386,399,086

Fund Characteristics	VTTVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$54,249	-\$9,103
P/E Ratio (TTM)	13.93	-0.64
P/B Ratio (TTM)	2.10	-0.14
Est. Dividend Yield	2.84%	0.10%

Sector Allocations	VTTVX	Category	+/- Category
Materials	4.8%	4.3%	0.5%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	10.9%	0.4%
Consumer Staples	7.4%	7.0%	0.3%
Healthcare	12.9%	13.2%	-0.3%
Industrials	10.8%	10.2%	0.6%
Real Estate	3.6%	5.4%	-1.8%
Technology	18.5%	18.8%	-0.3%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	15.1%	0.6%
Utilities	3.1%	3.3%	-0.2%
Other	0.0%	0.0%	0.0%



13.1%

• Other

0.0%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTTVX	-5.59%	-20.35%	-17.53%	1.40%	3.15%	5.96%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-4.57%	-18.31%	-15.16%	1.82%	3.24%	5.80%	• VTTVX	-5.59%	-10.72%	-5.51%	3.55%
+/- Benchmark	-1.02%	-2.05%	-2.36%	-0.42%	-0.09%	0.16%	• Benchmark	-4.57%	-10.05%	-4.83%	3.85%
Peer Group Rank	59	63	61	39	28	20	+/- Benchmark	-1.02%	-0.66%	-0.68%	-0.30%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTTVX	9.80%	13.30%	19.63%	-5.15%	15.94%	7.48%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	10.67%	11.22%	18.38%	-5.02%	14.55%	7.82%	• VTTVX	-0.65%	4.79%	1.86%	9.33%
+/- Benchmark	-0.87%	2.08%	1.25%	-0.13%	1.39%	-0.34%	• Benchmark	-0.33%	4.43%	2.38%	9.01%
Peer Group Rank	49	34	21	47	23	22	+/- Benchmark	-0.32%	0.35%	-0.52%	0.32%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTTVX	3.15%	5.07%	8.14%	10.35%	9.61%	10.56%	• VTTVX	5.17%	13.20%	-12.95%	5.22%
• Benchmark	3.24%	4.87%	7.71%	9.65%	9.01%	9.76%	• Benchmark	4.39%	12.25%	-12.93%	4.97%
+/- Benchmark	-0.09%	0.20%	0.43%	0.70%	0.60%	0.80%	+/- Benchmark	0.77%	0.96%	-0.02%	0.25%
Peer Group Rank	28	25	27	25	25	25					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTTVX	1.10%	3.35%	8.82%	-7.74%
Alpha	-0.43	0.00	-0.14	0.00	-0.01	0.00	<ul> <li>Benchmark</li> </ul>	1.04%	2.99%	8.37%	-7.81%
Beta	1.05	1.00	1.04	1.00	1.04	1.00	+/- Benchmark	0.06%	0.36%	0.45%	0.07%
Standard Deviation	12.78	12.15	11.17	10.68	9.17	8.81					
Sharpe Ratio	0.12	0.15	0.23	0.24	0.60	0.60	5-Year Quarterly				
Information Ratio	-0.40	-	-0.09	-	0.21	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	0.73	1.18	1.87	2.04	5.06	5.09	• VTTVX	2.76%	0.65%	-0.59%	3.87%
Upside Capture Ratio	103.51	100.00	103.13	100.00	103.18	100.00	• Benchmark	2.72%	1.24%	-0.93%	3.73%
Downside Capture Ratio	106.43	100.00	104.46	100.00	103.36	100.00	+/- Benchmark	0.03%	-0.58%	0.34%	0.14%

#### **2025 Fund (USD)** Vanguard Target Retirement ee 🗔 69 67 2025 2 62 93 8 Standard Index Tgt Risk TR USD Morningstar Mod 8 52 TR USD Lifetime Mod 2025 Morningstar Category Index Investment Style 2025 **US Fund Target-Date** Morningstar Cat

70

99

49

Equity Stocks %

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2020	-12.95	13.20	5.17	9.33	13.30
2021	1.86	4.79	-0.65	3.55	9.80
2022	-5.51	-10.72	-5.59		-20.35
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-17.53	1.40	3.15	5.96	5.88
Std 09-30-2022	-17.53		3.15	5.96	5.88
Total Return	-17.53	1.40	3.15	5.96	5.88
+/- Std Index	0.67	0.26	0.20	0.79	
+/- Cat Index	2.35	1.13	0.52	0.74	
% Rank Cat	58	46	34	21	
No. in Cat	224	200	170	93	

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 10-26-22 7-day Yield Performance Disclosure 2.38 2.32

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

(if applicable) Morningstar metrics.

quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com Current performance may be lower or higher than return data

Z	Front-End Load %	Sales Charges	Fees and Expenses	months of the product of the contract of the c
Z				
Z				9
	NA			Section of the sectio

Front-End Load % Deferred Load %		N N
Fund Expenses		
Management Fees %		0.00
12b1 Expense %		NA
Net Expense Ratio %		0.08
Gross Expense Ratio %		0.08
Risk and Return Profile		
	1	10 1

		5Yr	10 Yr
		170 funds	93 funds
Morningstar Rating <sup>™</sup>	3 <b>★</b>	3 <b>★</b>	4★
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	Avg	Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	12.78	11.18	9.17
Mean	1.40	3.15	5.96
Sharpe Ratio	0.12	0.23	0.60
MPT Statistics	Standard Index		Best Fit Index Morningstar Gbl
-	0		Allocation TR USD
Alpha	0.25	01	1.05
Beta	0.97	7	0.93
D Caused	20 25	)	00 00

1			A	-	
Base Currency:			Vanguard	٧¿	Family:
					Operations
Greater Asia	46.16%			p Gains Exp	Potential Cap Gains Exp
Greater Europe	2.31%			eld	12-Month Yield
Americas	99.29		99.25		R-Squared
Regional Exposure	0.93	7	0.97		Beta
NI	1.05		0.25		Alpha
Below B	Morningstar Gbl Allocation TR USD	Allocati			
π.	Best Fit Index		Standard Index		MPT Statistics
° &					
888	0.60	0.23	0.12	_	Sharpe Ratio
3	5.96	3.15	1.40		Mean
D }	9.17	11.18	12.78	viation	Standard Deviation
AAA AAA	10 Yr	5Yr	3 Yr		
Credit Quality Brea	+Avg	Avg	Avg	Return	Morningstar Return
	Avg	Avg	Avg	Risk	Morningstar Risk
MOT	4★	3 <b>★</b>	3 <b>★</b>	Rating™	Morningstar Rating™
Day	93 funds	170 funds	200 funds 1		
N.	10 Yr	5Yr	3 Yr		

											100k	O COCKS 70
											80 80 80 80	Growth of \$10,000
											o Q	Vanguard Target Retire
											4UK	2025 Fund 19,851
:						\	}	}	1		20k	— Category Average 17,802
)	1	}			•						10k	— Standard Index 18,413
											4	
												Performance Quartile (within category)
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	09-22	History
12.27	13.59	15.75	16.53	15.62	16.35	18.50	17.01	19.84	21.54	20.34	16.20	NAV/Price
-0.37	13.29	18.14	7.17	-0.85	7.48	15.94	-5.15	19.63	13.30	9.80	-20.35	Total Return %
-0.96	1.25	3.83	2.28	0.94	-1.09	1.28	-0.39	0.60	0.47	-0.39	0.56	+/- Standard Index
-0.61	-0.37	1.87	1.13	1.21	-0.91	1.40	-0.25	0.26	-0.37	-0.30	2.56	+/- Category Index
16	43	24	4	24	23	21	42	22	40	57	ı	% Rank Cat
145	154	181	185	206	195	208	226	232	214	220	225	No. of Funds in Cat
Portfo	Portfolio Analysis 09-30-2022	<b>/sis</b> 09-30	)-2022									

Portfolio Analysis 09-30-2022	<b>s</b> 09-30-2022				
Cash	2.68	11.01	8.33	since Amoun	10,954 Total Stocks , 18,623 Total Fixed-Income,
US Stocks	31.96	31.96	0.00		
Non-US Stocks	20.80	20.80	0.00	① 13/ mil	Vanguard Total Stock Mkt Idx Insti
Bonds	44.07	44.08	0.01	<ul><li>2,150 mil</li></ul>	Vanguard Total Bond Market II Idx
Other/Not Clsfd	0.48	0.48	0.00	⊕ 1,006 mil	Vanguard Total Intl Stock Index Inv
Total	100.00	108.34	8.34	⊕ 351 mi 99 mi	351 mil Vanguard Total Intl Bd II Idx Insl 99 mil Vanguard Shrt-Term Infl-Prot Sec I
Equity Style	Portfolio Statistics	Port Rel	Rel	(	C
Value Blend Growth	P/E Ratio TTM	Avg Index 13.9 1.06	6 × 0.96	Sector Weightings	Stocks %
agre.	P/C Ratio TTM			∿ Cyclical	35.4
biM	P/B Ratio TTM	2.1 1.10	0 0.94	Basic Materials	als 4.8
rs.	Geo Avg Mkt Cap	54249 1.50 0.86	0 0.86	Consumer Cyclical	clical 11.3
llem	\$mil			Financial Services	vices 15.7

Income Style Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price  Cuality Breakdown 09-30-2022	
8.41 6.50 2.16 88.17 80.19 9.14 16.13	

		ty Breakdown 09-30-2022	MOŢ	Avg Wtd Price	S Avg Wtd Coupon	!H	Avg Eff Maturity	Chilo	
14.04 0.00	9.14 16.13	Bond % 60.19		88.17	2.16	6.50	8.41		
				<b>∷</b> ≣		 C	₹ Se	E	D R

Dol Otd Indov	C+pal/p 0/	Santa Wainkinna	Canta M
3.36	99 mil Vanguard Shrt-Term Infl-Prot Sec I	99 mil	•
12.92	351 mil Vanguard Total Intl Bd II Idx Insl	351 mil	①
21.31	1,006 mil Vanguard Total Intl Stock Index Inv	1,006 mil	<b>⊕</b>
28.76	2,150 mil Vanguard Total Bond Market II ldx	2,150 mil	1
32.39	137 mil Vanguard Total Stock Mkt Idx Instl	137 mil	1
Net Assets %	Holdings: 10,954 Total Stocks , 18,623 Total Fixed-Income, 7% Turnover Ratio	Share Amount	Share Chg since 08-2022

r Weightings	Stocks %	Rel Std Index
yclical	35.4	0.90
Basic Materials	4.8	0.93
onsumer Cyclical	11.3	1.05
inancial Services	15.7	0.97
leal Estate	3.6	0.51
ensitive	41.2	1.13
ommunication Services	6.8	1.16
nergy	5.1	0.95
ndustrials	10.8	0.97
echnology	18.5	1.31
efensive	23.4	0.97
onsumer Defensive	7.4	0.94
lealthcare	12.9	1.02
Itilities	3.1	0.84

ase: \$1,000	SN	ş	USD	
	JS92202E4098	VITVX	D	
Total Assets:	Type:	Incept:	Purchase Constraints:	
\$69,386.40 mil	MF	10-27-2003	l	

Manager:

Multiple

Ticker:

64.7 16.7 18.6

1.05 0.94 0.91

Rel Std Index

0.14 0.37 0.00

ISIN:

Minimum Initial Purcha

Tenure:

Objective:

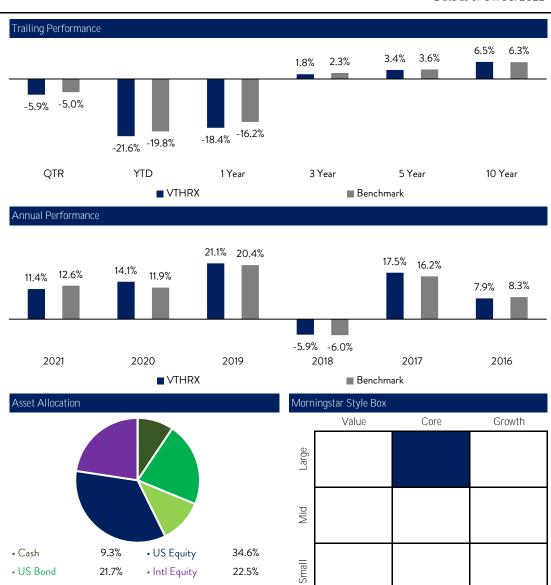
Asset Allocation 9.7 Years Vanguard

#### Vanguard Target Retirement 2030 Fund VTHRX

Product Details	
Name	Vanguard Target Retirement 2030 Fund
Ticker	VTHRX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2030
Benchmark	S&P Target Date 2030 TR USD
Inception Date	6/7/2006
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$72,115,547,003

VTHRX	+/- Category
N/A (Fund of Funds)	-
\$54,334	-\$10,197
13.94	-0.79
2.11	-0.19
2.84%	0.16%
	N/A (Fund of Funds) \$54,334 13.94 2.11

Sector Allocations	VTHRX	Category	+/- Category
Materials	4.8%	4.3%	0.5%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	11.0%	0.3%
Consumer Staples	7.3%	7.0%	0.3%
Healthcare	12.9%	13.5%	-0.6%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	4.5%	-0.9%
Technology	18.5%	19.0%	-0.5%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%



11.4%

• Other

0.0%

• Intl Bond

Vanguard Target Retirement 2030 Fund VTHRX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTHRX	-5.93%	-21.60%	-18.42%	1.82%	3.43%	6.46%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-4.98%	-19.79%	-16.23%	2.26%	3.58%	6.34%	• VTHRX	-5.93%	-11.67%	-5.65%	4.06%
+/- Benchmark	-0.95%	-1.81%	-2.18%	-0.44%	-0.15%	0.12%	• Benchmark	-4.98%	-11.21%	-4.93%	4.44%
Peer Group Rank	64	49	54	46	36	27	+/- Benchmark	-0.95%	-0.45%	-0.72%	-0.38%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTHRX	11.38%	14.10%	21.07%	-5.86%	17.52%	7.85%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	12.61%	11.91%	20.38%	-5.99%	16.19%	8.35%	• VTHRX	-0.78%	5.25%	2.49%	10.52%
+/- Benchmark	-1.23%	2.19%	0.70%	0.14%	1.34%	-0.49%	• Benchmark	-0.46%	4.92%	3.24%	10.52%
Peer Group Rank	56	36	39	37	37	28	+/- Benchmark	-0.32%	0.33%	-0.75%	0.00%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTHRX	3.43%	5.50%	8.85%	11.23%	10.44%	11.49%	• VTHRX	5.70%	14.58%	-14.76%	5.95%
Benchmark	3.58%	5.39%	8.56%	10.63%	9.93%	10.76%	• Benchmark	5.02%	13.94%	-15.38%	5.81%
+/- Benchmark	-0.15%	0.11%	0.29%	0.60%	0.51%	0.72%	+/- Benchmark	0.68%	0.64%	0.62%	0.14%
Peer Group Rank	36	37	35	38	36	35					
							5-Year Quarterly				
Risk Statistics	3	Year	5 `	/ear	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTHRX	0.89%	3.41%	9.54%	-8.86%
Alpha	-0.44	0.00	-0.15	0.00	0.06	0.00	<ul> <li>Benchmark</li> </ul>	0.88%	3.09%	9.39%	-9.26%
Beta	1.01	1.00	1.01	1.00	1.01	1.00	+/- Benchmark	0.01%	0.31%	0.15%	0.40%
Standard Deviation	14.11	13.89	12.38	12.27	10.14	9.99					
Sharpe Ratio	0.15	0.18	0.24	0.25	0.60	0.59	5-Year Quarterly				
Information Ratio	-0.44	-	-0.17	-	0.15	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	1.17	1.63	2.22	2.38	5.68	5.63	• VTHRX	3.09%	0.78%	-0.56%	4.21%
Upside Capture Ratio	100.33	100.00	99.74	100.00	101.37	100.00	Benchmark	3.15%	1.40%	-0.95%	4.24%
Downside Capture Ratio	102.77	100.00	100.68	100.00	101.05	100.00	+/- Benchmark	-0.06%	-0.62%	0.38%	-0.03%

#### **2030 Fund (USD)** Vanguard Target Retirement 3 78 76 74 73 200 US Fund Target-Date 2030 70 88 68 Morningstar Mod Tgt Risk TR USD Standard Index 88 සු 57 TR USD Morningstar Lifetime Mod 2030 Category Index Investment Style 2030 US Fund Target-Date Morningstar Cat

Equity Stocks %

Performance 09-30-2022	-30-2022					
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %	
2020	-14.76	14.58	5.70	10.52	14.10	
2021	2.49	5.25	-0.78	4.06	11.38	
2022	-5.65	-11.67	-5.93		-21.60	
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept	
Load-adj Mthly	-18.42	1.82	3.43	6.46	5.69	
Std 09-30-2022	-18.42	I	3.43	6.46	5.69	
Total Return	-18.42	1.82	3.43	6.46	5.69	
+/- Std Index	-0.22	0.68	0.48	1.29		
+/- Cat Index	2.10	1.18	0.51	0.57		
% Rank Cat	50	50	44	27		
No. in Cat	224	200	168	96		

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 10-27-22 (if applicable) Morningstar metrics. 2.36 2.24

7-day Yield

Subsidized

Unsubsidized

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

Fees and Expenses month-end, please call 800-662-7447 or visit www.vanguard.com quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

	Risk and Return Profile
0.08	Gross Expense Ratio %
0.08	Net Expense Ratio %
NA	12b1 Expense %
0.00	Management Fees %
	Fund Expenses
NA	Deferred Load %
NA	Front-End Load %
	Sales Charges

Geo Avg Mkt Cap \$mil

3 Yr	5Yr	10 Yr
200 funds	168 funds	96 funds
3 <b>⊁</b>	3 <b>⊁</b>	4⊁
Avg	Avg	Avg
Avg	Avg	+Avg
3 Yr	5 Yr	10 Yr
14.11	12.38	10.14
1.82	3.43	6.46
0.15	0.24	0.60
Standard Ind		Best Fit Index Morningstar Mod
	Tgt Ri	Tgt Risk TR USD
0.7	71	0.71
1.0	)7	1.07
99.3	34	99.34
		2.28%
		50.16%
	3 Yr 200 funds 3 ★ Avg Avg Avg 14.11 1.82 0.15 Standard Ind 0.7	168 t

											100k	O COCKS &
											80,	Growth of \$10,000
											OUK	Vanguard Target Retiren
											40k	2030 Fund
												20,748
							<b>S</b>	}	V	\	20k	— Category Average
			1	}	1							18,59/
<b>)</b>	}										10k	- Standard Index
<											Ş	18,413
											4	
												Performance Quartile
2011	2012	2013	2014	2015	2016	7107	8107	2019	2020	2021	09-22	History
20.92	23.38	27.64	29.04	27.72	29.20	33.63	30.82	36.45	40.55	38.42	30.12	NAV/Price
-1.27	14.24	20.49	7.17	-1.03	7.85	17.52	-5.86	21.07	14.10	11.38	-21.60	Total Return %
-1.86	2.20	6.18	2.28	0.76	-0.72	2.87	-1.10	2.05	1.28	1.19	-0.69	+/- Standard Index
-0.04	-0.43	0.85	1.16	1.27	-1.41	0.93	-0.03	-0.17	0.41	-0.31	2.19	+/- Category Index
22	8	25	ഗ	$\omega$	32	32	37	32	8	61	ı	% Rank Cat
205	208	222	228	237	221	234	239	241	224	221	225	No. of Funds in Cat
Portfol	o Analy	Portfolio Analysis 09-30-2022	0-2022									
							2	2	2			

-	-	-			
Portfolio Analysis 09-30-2022	is 09-30-2022				
Asset Allocation %	Net %	Long % Short %	% Share Chg Share		Net Assets
Cash	2.81	9.98 7.18	-		%
US Stocks	37.16		7707-80	5% Turnover Hatto	)   
Non-US Stocks	24.08	24.08 0.00	•	166 mil Vanguard Total Stock Mkt Idx Insti	37.65
Bonds	35.53	35.54 0.01	①	1,961 mil Vanguard Total Bond Market II Idx	25.25
Other/Not Clsfd	0.42		<b>⊕</b>	1,210 mil Vanguard Total Intl Stock Index Inv	24.67
Total	100.00	107.19 7.19	1	314 mil Vanguard Total Intl Bd II ldx Insl	11.13
Equity Style	Portfolio Statistics	Port Rel	Rel Sector Weightings	Stocks %	Rel Std Index
Value Blend Growth	P/F Ratio TTM		ાલ <b>∿ C</b> yclical	35.4	0.90
agre.	P/C Ratio TTM	1.04	95 🗻 Basic Materials		0.92
ıίΜ	P/B Ratio TTM	1.10	92 🚓 Consumer Cyclical	clical 11.3	1.05
s	a	54334 1.51 0.84	84 🗗 Financial Services	vices 15.7	0.97
·w				)	1

Avg Eff Maturity	01	9.80	AA
8.90 90 00 00 00 00 00 00 00 00 00 00 00 0		57.10	AAA
Avg Eff Maturity 8.90 Start Avg Eff Duration 6.83 Avg Wtd Coupon 2.31 Start Avg Wtd Price 87.50 Start Avg Wtd Price		Bond %	Credit Quality Breakdown 09-30-2022
Avg Eff Naturity 8.90 Avg Eff Duration 6.83 Avg Wtd Coupon 2.31 Avg Wtd Price 87.50	_		
Avg Eff Naturity 8.90 Avg Eff Duration 6.83 Avg Wtd Coupon 2.31 Avg Wtd Price 87.50	•		MO'
Avg Eff Maturity 8.90 Avg Eff Duration 6.83 Avg Wtd Coupon 2.31 Avg Wtd Price 87.50			1
Avg Eff Maturity 8.90 EAV Avg Eff Duration 6.83 Avg Wtd Coupon 2.31		87.50	
Avg Eff Maturity 8.90 State Avg Eff Duration 6.83		2.31	
Avg Eff Maturity 8.90		6.83	
1		8.90	Ext
			Fixed-Income Style

			•
Fixed-Income Style			•
Ltd Mod Ext	Avg Eff Maturity	8.90	#1
	Avg Eff Duration	6.83	<u>•</u>
		2.31	<b>∴</b> =
	Avg Wtd Price	87.50	<b>■</b>
	мот		ļ
Cradit Ouglitu	Crodis Onelist Brookdown 00 20 2022	Don't o/	<b>T</b>
ΔΔΔ		57 10	C =
AA		9.80	
A		17.38	
BBB		15.17	
BB		0.00	
В		0.00	
Below B		0.40	
NR		0.15	
Regional Exposure	sure Stocks %	Rel Std Index	
Americas	64.8	1.05	
Greater Europe	pe 16.7	0.94	
Greater Asia	18.5	0.91	

7.19	<ul> <li>314 mil Var</li> </ul>	314 mil Vanguard Total Intl Bd II Idx Insl	11.13
æ	Sector Weightings	Stocks %	Rel Std Index
Cat	∿ Cyclical	35.4	0.90
0.95	Basic Materials	4.8	0.92
0.92	Consumer Cyclical	11.3	1.05
0.84	Financial Services	15.7	0.97
	Real Estate	3.6	0.51
	<b>₩</b> Sensitive	41.2	1.13
8.90	Communication Services	ervices 6.8	1.16
6.83	Energy	5.1	0.95
2.31	Industrials	10.8	0.97
87.50	Technology	18.5	1.31
	→ Defensive	23.4	0.97
	Consumer Defensive		0.94
57 10	Healthcare	12.9	1.02
9.80	Utilities	3.1	0.84
17.38			

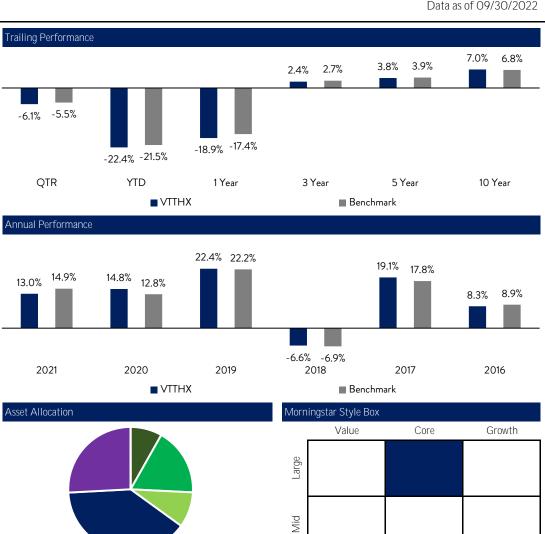
96

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only in the country in which its original derived from, account information are provided salely for information are provided salely for information of the responsible for any trading do ange without notice. Investment of	USD VTHRX US92202E8883 \$1,000
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Inalyses and not be verified by You sell a security, Yor sell as featurity, Yor related to, this Monthigstar, Inc., thoust be preceded	—— 06-07-2006 MF \$72,115.54 mil

Product Details	
Name	Vanguard Target Retirement 2035 Fund
Ticker	VTTHX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2035
Benchmark	S&P Target Date 2035 TR USD
Inception Date	10/27/2003
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$70,249,951,788

Fund Characteristics	VTTHX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$54,077	-\$8,718
P/E Ratio (TTM)	13.92	-0.60
P/B Ratio (TTM)	2.10	-0.16
Est. Dividend Yield	2.85%	0.13%

Sector Allocations	VTTHX	Category	+/- Category
Materials	4.8%	4.3%	0.5%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	11.0%	0.2%
Consumer Staples	7.4%	7.0%	0.3%
Healthcare	12.9%	13.3%	-0.4%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	4.5%	-0.9%
Technology	18.5%	19.0%	-0.5%
Energy	5.1%	5.1%	0.1%
Financial Services	15.7%	15.4%	0.4%
Utilities	3.1%	3.2%	-0.1%
Other	0.0%	0.0%	0.0%



8.2%

17.6%

9.2%

• US Equity

• Intl Equity

• Other

39.1%

25.7%

0.0%

Small

• Cash

• US Bond

• Intl Bond

#### Vanguard Target Retirement 2035 Fund VTTHX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTTHX	-6.09%	-22.40%	-18.87%	2.39%	3.78%	6.99%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-5.50%	-21.51%	-17.42%	2.75%	3.92%	6.83%	• VTTHX	-6.09%	-12.41%	-5.66%	4.55%
+/- Benchmark	-0.59%	-0.89%	-1.45%	-0.35%	-0.14%	0.16%	<ul> <li>Benchmark</li> </ul>	-5.50%	-12.55%	-5.02%	5.21%
Peer Group Rank	59	32	42	46	38	26	+/- Benchmark	-0.59%	0.14%	-0.64%	-0.66%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTTHX	12.96%	14.79%	22.44%	-6.58%	19.12%	8.26%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	14.93%	12.79%	22.18%	-6.88%	17.78%	8.85%	• VTTHX	-0.87%	5.65%	3.17%	11.62%
+/- Benchmark	-1.96%	2.00%	0.26%	0.30%	1.35%	-0.59%	• Benchmark	-0.61%	5.45%	4.22%	12.20%
Peer Group Rank	79	39	51	29	41	32	+/- Benchmark	-0.26%	0.20%	-1.05%	-0.58%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2020	1Q20	4Q19
• VTTHX	3.78%	5.96%	9.57%	12.06%	11.24%	12.39%	• VTTHX	6.29%	15.90%	-16.52%	6.68%
• Benchmark	3.92%	5.92%	9.50%	11.67%	10.88%	11.82%	• Benchmark	5.70%	15.55%	-17.69%	6.61%
+/- Benchmark	-0.14%	0.04%	0.08%	0.38%	0.36%	0.58%	+/- Benchmark	0.58%	0.36%	1.18%	0.07%
Peer Group Rank	38	39	42	43	42	42					
							5-Year Quarterly				
Risk Statistics	3 `	Year	5 `	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTTHX	0.70%	3.42%	10.20%	-9.93%
Alpha	-0.32	0.00	-0.08	0.00	0.21	0.00	<ul> <li>Benchmark</li> </ul>	0.73%	3.18%	10.27%	-10.55%
Beta	0.97	1.00	0.97	1.00	0.99	1.00	+/- Benchmark	-0.03%	0.24%	-0.07%	0.61%
Standard Deviation	15.35	15.76	13.52	13.90	11.10	11.18					
Sharpe Ratio	0.19	0.21	0.25	0.26	0.60	0.58	5-Year Quarterly				
Information Ratio	-0.31	-	-0.13	-	0.17	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	1.81	2.11	2.67	2.73	6.35	6.12	• VTTHX	3.47%	0.83%	-0.58%	4.62%
Upside Capture Ratio	96.78	100.00	96.78	100.00	100.22	100.00	• Benchmark	3.52%	1.52%	-0.94%	4.71%
Downside Capture Ratio	98.15	100.00	96.93	100.00	99.06	100.00	+/- Benchmark	-0.05%	-0.69%	0.36%	-0.09%

#### **2035 Fund (USD)** Vanguard Target Retirement Performance 09-30-2022 193 US Fund Target-Date Standard Index Tgt Risk TR USD Morningstar Mod Lifetime Mod 2035 TR IISD Morningstar Category Index 2035 **US Fund Target-Date** Morningstar Cat

Unsubsidized	Unsı	Subsidized	SL		-
	90	167	193	217	No. in Cat
	28	44	49	39	% Rank Cat
	0.53	0.51	1.17	1.87	+/- Cat Index
I	1.82	0.84	1.25	-0.67	+/- Std Index
6.52	6.99	3.78	2.39	-18.87	Total Return
6.52	6.99	3.78		-18.87	Std 09-30-2022
6.52	6.99	3.78	2.39	-18.87	Load-adj Mthly
Incept	10 Yr	5 Yr	3 Yr	1 Yr	Trailing Returns
-22.40		-6.09	-12.41	-5.66	2022
12.96	4.55	-0.87	5.65	3.17	2021
14.79	11.62	6.29	15.90	-16.52	2020
Total %	4th Otr	3rd Otr	2nd Otr	1st Otr	Quarterly Returns
				, 00 1011	. 0110111111100 00 00 1011

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. Performance Disclosure

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30-day SEC Yield 10-26-22

2.43

2.28

-2.83

0.04

12.51 -2.24 2011

7-day Yield

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-and nlease rall 801-582-7447 or visit www.vannusrd.com

Front-End Load %	Sales Charges	Fees and Expenses	month-end, please call 800-662-7447 or visit www.vanguard.com.
NA			.vanguara.com.

Deferred Load %			¥
Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	ა <-	л <	10 Yr

	3 Yr	5Yr	10 Yr
	193 funds	167 funds	90 funds
Morningstar Rating™	3 <b>★</b>	3 <b>★</b>	4⊁
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	Avg	Avg	+Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	15.35	13.52	11.10
Mean	2.39	3.78	6.99
Sharpe Ratio	0.19	0.25	0.60
MPT Statistics	Standard Index		Best Fit Index Morningstar
		Lifetime	Lifetime Mod 2035 TR USD
Alpha	1.32	32	1.12
Beta	1.16	16	0.94
R-Squared	99.22	22	99.43
12-Month Yield			2.47%
Potential Cap Gains Exp			55.22%

Below B

Equity Style  Value Blend Growth	Portfolio Analys Asset Allocation % Cash US Stocks Non-US Stocks Bonds Other/Not Clsfd
Portfolio Statistics P/E Ratio TTM P/C Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	Portfolio Analysis 09-30-2022           Asset Allocation %         Net %           2-82         2.92           JS Stocks         41.38           Von-US Stocks         27.17           Sonds         28.19           30 shorts         28.19           20 shorts         28.19           30 shorts         28.19           30 shorts         28.19           31 shorts         28.19           32 shorts         28.19           33 shorts         28.19           34 shorts         28.19           35 shorts         28.19           36 shorts         28.19           37 shorts         28.19           38 shorts         28.19           39 shorts         28.19           30 shorts         28.19           31 shorts         28.19           31 shorts         28.19           32 shorts         28.19           33 shorts         28.19           44 shorts         28.19           55 shorts         28.19           56 shorts         28.19           57 shorts         28.19           58 shorts         28.19           58 shorts<
Port Rel Avg Index 13.9 1.06 10.5 1.03 2.1 1.09 54077 1.50	Long % 8.57 41.38 27.17 28.20 0.34 105.67
Rel Cat 0.96 0.96 0.93	Short % 5.66 0.00 0.00 0.01 0.01 5.67
Sector Weightings  O Cyclical  Basic Materials  Consumer Cyclical  Financial Services  Real Estate	Share Chg Share H since Amount 1 6 68-2022 180 mil V H 1,330 mil V H 1,521 mil V 241 mil V
Stocks %  35.4  4.8  11.3  es  15.7  3.6	Share Holdings: Amount 11,153 Total Stocks , 18,102 Total Fixed-Income, 6% Tumover Ratio 180 mil Vanguard Total Stock Mkt Idx Instl 330 mil Vanguard Total Intl Stock Index Inv 521 mil Vanguard Total Bond Market II Idx 241 mil Vanguard Total Intl Bd II Idx Insl
Rel Std Index <b>0.90</b> 0.93 1.05 0.97 0.51	Net Assets % 41.93 27.84 20.10 8.76

Fixed-Income Style		
Ltd Mod Ext	Avg Eff Maturity	8.90
	Avg Eff Duration	6.83
ųl		2.31
Med	Avg Wtd Price	87.51
MOT		
Credit Quality Breakdown 09-30-2022	kdown 09-30-2022	Bond %
AAA		57.20
AA		9.75
Þ		17.34
BBB		15.16
BB		0.00
æ		0 00

Stocks % Rel Std Index
35.4 0.90
4.8 0.93
11.3 1.05
15.7 0.97
3.6 0.51
41.2 1.13
6.8 1.16
10.8 0.98
18.5 1.31
23.4 0.97
7.4 0.94
12.9 1.02
3.1 0.84
- N B W

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$1,000	US92202E5087	VTTHX	USD
Total Assets:	Type:	Incept:	Purchase Constraints:
\$70,249.96 mil	MF	10-27-2003	

Manager: Family:

Multiple 9.7 Years Vanguard Operations

Greater Europe Greater Asia

64.5 16.8 18.7

0.94 0.91

Rel Std Index

1.04

0.15 0.39

Americas Regional Exposure

Tenure:

Objective:

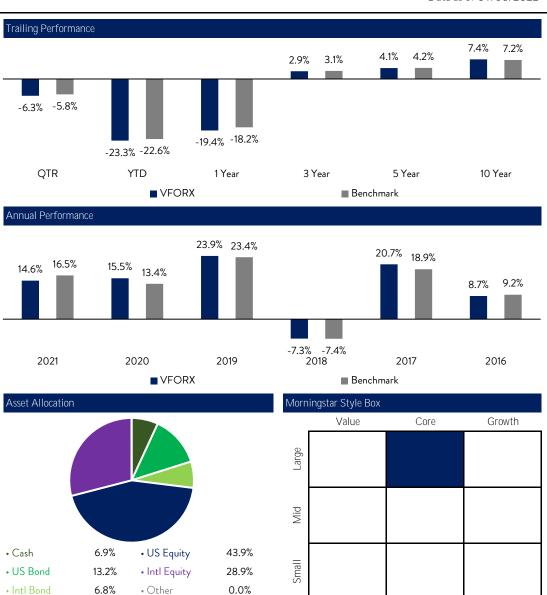
Asset Allocation

#### Vanguard Target Retirement 2040 Fund VFORX

Product Details	
Name	Vanguard Target Retirement 2040 Fund
Ticker	VFORX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2040
Benchmark	S&P Target Date 2040 TR USD
Inception Date	6/7/2006
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$60,363,325,437

Fund Characteristics	VFORX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$54,070	-\$6,017
P/E Ratio (TTM)	13.92	-0.54
P/B Ratio (TTM)	2.10	-0.13
Est. Dividend Yield	2.85%	0.12%

Sector Allocations	VFORX	Category	+/- Category
Materials	4.8%	4.3%	0.5%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	11.0%	0.3%
Consumer Staples	7.4%	7.0%	0.4%
Healthcare	12.9%	13.2%	-0.3%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	4.9%	-1.3%
Technology	18.5%	18.8%	-0.4%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.2%	-0.1%
Other	0.0%	0.0%	0.0%



Vanguard Target Retirement 2040 Fund VFORX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VFORX	-6.33%	-23.27%	-19.42%	2.91%	4.11%	7.40%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-5.83%	-22.65%	-18.21%	3.08%	4.16%	7.18%	• VFORX	-6.33%	-13.17%	-5.66%	5.02%
+/- Benchmark	-0.50%	-0.62%	-1.20%	-0.17%	-0.05%	0.23%	• Benchmark	-5.83%	-13.50%	-5.03%	5.73%
Peer Group Rank	56	27	31	43	32	20	+/- Benchmark	-0.50%	0.34%	-0.63%	-0.71%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VFORX	14.56%	15.47%	23.86%	-7.32%	20.71%	8.73%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	16.55%	13.37%	23.37%	-7.41%	18.87%	9.23%	• VFORX	-0.98%	6.11%	3.82%	12.76%
+/- Benchmark	-1.99%	2.11%	0.49%	0.08%	1.84%	-0.49%	• Benchmark	-0.70%	5.79%	4.93%	13.36%
Peer Group Rank	81	42	51	34	30	21	+/- Benchmark	-0.29%	0.33%	-1.11%	-0.60%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2020	1Q20	4Q19
• VFORX	4.11%	6.42%	10.28%	12.88%	12.03%	13.30%	• VFORX	6.80%	17.29%	-18.25%	7.38%
• Benchmark	4.16%	6.30%	10.15%	12.40%	11.54%	12.55%	• Benchmark	6.14%	16.66%	-19.24%	7.15%
+/- Benchmark	-0.05%	0.13%	0.13%	0.48%	0.49%	0.75%	+/- Benchmark	0.65%	0.62%	0.99%	0.22%
Peer Group Rank	32	34	38	40	39	36					
							5-Year Quarterly				
Risk Statistics	3`	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VFORX	0.49%	3.46%	10.96%	-11.03%
Alpha	-0.13	0.00	0.00	0.00	0.22	0.00	<ul> <li>Benchmark</li> </ul>	0.60%	3.27%	10.82%	-11.33%
Beta	0.97	1.00	0.98	1.00	1.00	1.00	+/- Benchmark	-0.11%	0.19%	0.13%	0.30%
Standard Deviation	16.61	17.03	14.69	14.99	12.03	11.99					
Sharpe Ratio	0.22	0.22	0.27	0.27	0.59	0.58	5-Year Quarterly				
Information Ratio	-0.14	-	-0.05	-	0.22	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.34	2.44	2.99	2.97	6.70	6.46	• VFORX	3.79%	0.90%	-0.53%	5.00%
Upside Capture Ratio	97.55	100.00	98.00	100.00	101.49	100.00	• Benchmark	3.72%	1.64%	-0.94%	5.03%
Downside Capture Ratio	98.04	100.00	97.88	100.00	100.59	100.00	+/- Benchmark	0.07%	-0.74%	0.41%	-0.03%

## **2040 Fund (USD)** Vanguard Target Retirement Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index **Silver**★★★★ Morningstar M Morningstar Mod Tgt Risk TR USD Morningstar Lifetime Mod 2040 Category Index US Fund Target-Date 2040 Morningstar Cat

Performance 09-30-2022	-30-2022					
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %	
2020	-18.25	17.29	6.80	12.76	15.47	
2021	3.82	6.11	-0.98	5.02	14.56	
2022	-5.66	-13.17	-6.33		-23.27	
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept	
Load-adj Mthly	-19.42	2.91	4.11	7.40	6.18	
Std 09-30-2022	-19.42	I	4.11	7.40	6.18	
Total Return	-19.42	2.91	4.11	7.40	6.18	
+/- Std Index	-1.22	1.77	1.17	2.23		
+/- Cat Index	1.37	1.13	0.56	0.61		
% Rank Cat	33	46	39	22		
No. in Cat	218	194	168	96		

Performance Disclosure
The Overall Marningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 10-27-22 2.49 2.32

(if applicable) Morningstar metrics.

7-day Yield

Subsidized

Unsubsidized

does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. The performance data quoted represents past performance and

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

0.00 0.08	Management rees % 12b1 Expense % Net Expense Ratio % Gross Expense Ratio %
	Fund Expenses
NA	Deferred Load %
NA	Front-End Load %
	Sales Charges
	Fees and Expenses

		Multiple	- <	Managar:
		nguard	\ <u>\</u>	Family:
				Operations
23.59%			Potential Cap Gains Exp	Potential Ca
2.51%			ïeld	12-Month Yield
99.45	00	99.00		R-Squared
0.85	1.25	<u>.</u>		Beta
-0.59	1.90	<u>.</u>		Alpha
Best Fit Index MSCI ACWI NR USD		Standard Index		MPT Statistics
0.60	0.27	0.22	0	Sharpe Ratio
7.40	4.11	2.91		Mean
12.03	14.69	16.61	eviation	Standard Deviation
10 Yr	5Yr	3 Yr		
+Avg	Avg	Avg	r Return	Morningstar Return
-Avg	Avg	-Avg	r Risk	Morningstar Risk
<b>4★</b>	4*	3 <b>★</b>	r Rating™	Morningstar Rating <sup>™</sup>
96 funds	168 funds	194 funds	!	
10 Yr	5 Yr	3 Yr		
			Risk and Return Profile	Risk and R
0.08			Gross Expense Ratio %	Gross Expo
0.08			se Ratio %	Net Expense Ratio %
NA			se %	12b1 Expense %
0.00			nt Fees %	Management Fees %

 $\mathbb{R}$ 

Credit Quality Breakdown 09-30-2022 AAA

	02-24-2022	77.0			2040	194 OS FUIID TAIGET-DATE 2040	ger-par		igt nisk in Oob	עט חו	TR USD	TR USD
28	89	89	88	88	88	84	88	82	8	76	73 100k	Investment Style Equity Stocks %
}	}	<b>\</b>										Growth of \$10,000  Wanguard Target Retirement 2040 Fund 22,586  Category Average 20,148  Standard Index 18,413
											#	Performance Quartile (within category)
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	09-22	History
20.50 -2.55	23.18	28.32 24.37	29.76 7.15	28.45 -1.59	30.21 8.73	35.77 20.71	32.31 -7.32	39.13 23.86	44.27 15.47	42.03 14.56	32.25 -23.27	NAV/Price Total Return %
-3.14 0.30	3.52 -0.15	10.07 1.32	2.26 1.63	0.21 1.25	0.16 -1.88	6.05 0.84	-2.57 0.33	4.83 -0.49	2.65 2.38	4.37 -0.80	-2.36 1.27	+/- Standard Index +/- Category Index
19	$\omega$	5	12	43	27	25	37	43	40	<u>∞</u>	1	% Rank Cat
202	204	218	227	237	221	234	239	241	218	215	220	No. of Funds in Cat

Portfolio Analysis 09-30-2022	<b>s</b> 09-30-2022					
Asset Allocation %	Net %	Long %	Short %	Chg Share	Holdings:	Net Assets
Cash	2.95	7.11	4.16	since Amount	11,202 Total Stocks , 17,520 Total Fixed-Income,	%
US Stocks	45.84	45.84	0.00	7202-00	/ 70 I UII IOVEI I I AUTO	
Non-US Stocks	30.11	30.11	0.00	⊕ 1/1 mil	1/1 mil Vanguard Iotal Stock Mkt Idx Insti	46.45
Bonds	20.83	20.84	0.01	⊕ 1,267 mil	,267 mil Vanguard Total Intl Stock Index Inv	30.85
Other/Not Clsfd	0.26	0.26	0.00	⊕ 969 mil	969 mil Vanguard Total Bond Market II ldx	14.91
Total	100.00	104.17	4.17	① 152 mil	152 mil Vanguard Total Intl Bd II Idx Insl	6.43
Equity Style	Portfolio Statistics		Rel Rel	Sector Weightings	Stocks %	Rel Std Index
Value Blend Growth	P/F Ratio TTM	Avg Index 13.9 1.06	n ex	Դ Cyclical	35.4	0.90
egie	P/C Ratio TTM			Basic Materials		0.93
biM	P/B Ratio TTM	2.1 1.09	)9 0.94	Consumer Cyclical		1.05
nS	Geo Avg Mkt Cap	54070 1.50	0.90	Financial Services	ices 15.7	0.97
llen	\$mil			Real Estate	3.6	0.51
Fixed-Income Style				✓ Sensitive	41.2	1.13
Ltd Mod Ext	Avg Eff Maturity		8.90	Communication Services	in Services 6.8	1.16
	Avg Eff Duration		6.83	Energy	5.1	0.95
N I	Avg Wtd Coupon		2.31	Industrials	10.8	0.98
рәу	Avg Wtd Price		87.52	Technology	18.5	1.31
71						

18.7	16.8	64.5	tocks %								,	2		Ö	pon	tion	rity			ар 5	M 2.1			i <b>stics</b> Por	
0	. 0		Rel Std Index	0.	0.	0	0 5	1,5	17	و و	57 31	Bon		87	2	6	8			1.50	1.09	103	1 naex	- Rel	
0.91	0.94	1.04	ndex	0.15	0.39	0.00	0.00	15 15	17.30	9.69	ω ; Ω	è T	ţ	87.52	2.31	<b>•</b>	8.90 <b>••</b>	\ <b>\{</b>	Đ	0.90 ¶	0.94		<b>ج</b> ۾ ۾	Rel Sect	
										Utilities	Healthcare	Consumer Defensive	Defensive	Technology	Industrials	Energy	Communication Services	Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	Cyclical	Sector Weightings	
										3.1	12.9	7.4	23.4	18.5	10.8	5.1	6.8	41.2	3.6	15.7	11.3	4.8	35.4	Stocks %	
																								Rel S	

**0.97** 0.94 1.02 0.84

Manager: Tenure:

9.7 Years Vanguard Multiple

Ticker:

**VFORX** OSD

US92202E8701

Type: Incept:

> ≨ 06-07-2006

\$60,363.33 mil

Total Assets:

Purchase Constraints:

Base Currency:

ISIN:

Minimum Initial Purchase:

\$1,000

Greater Europe Greater Asia

Americas Regional Exposure Below B

묾

88 88

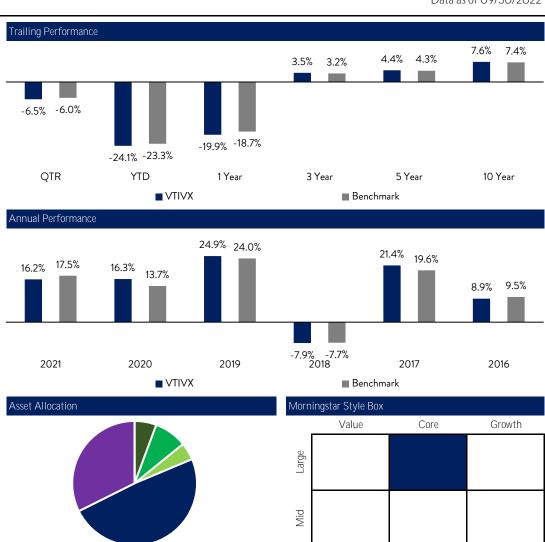
Asset Allocation

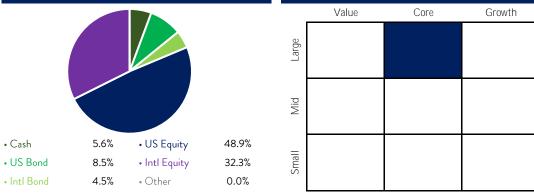
Objective:

Product Details	
Name	Vanguard Target Retirement 2045 Fund
Ticker	VTIVX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2045
Benchmark	S&P Target Date 2045 TR USD
Inception Date	10/27/2003
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$55,921,318,210

Fund Characteristics	VTIVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$54,027	-\$5,337
P/E Ratio (TTM)	13.91	-0.55
P/B Ratio (TTM)	2.10	-0.12
Est. Dividend Yield	2.85%	0.12%

Sector Allocations	VTIVX	Category	+/- Category
Materials	4.8%	4.4%	0.5%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	11.1%	0.2%
Consumer Staples	7.4%	7.0%	0.4%
Healthcare	12.9%	13.4%	-0.5%
Industrials	10.8%	10.4%	0.5%
Real Estate	3.6%	4.8%	-1.1%
Technology	18.5%	18.7%	-0.2%
Energy	5.1%	4.9%	0.2%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%





Vanguard Target Retirement 2045 Fund VTIVX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTIVX	-6.51%	-24.10%	-19.93%	3.46%	4.42%	7.61%	Performance	3Q22	2022	1Q22	4Q21
• Benchmark	-6.01%	-23.33%	-18.70%	3.25%	4.27%	7.40%	• VTIVX	-6.51%	-13.93%	-5.67%	5.49%
+/- Benchmark	-0.50%	-0.77%	-1.23%	0.21%	0.15%	0.21%	<ul> <li>Benchmark</li> </ul>	-6.01%	-14.12%	-5.02%	6.04%
Peer Group Rank	58	28	36	29	23	17	+/- Benchmark	-0.50%	0.19%	-0.65%	-0.55%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTIVX	16.16%	16.30%	24.94%	-7.90%	21.42%	8.87%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	17.51%	13.66%	24.02%	-7.74%	19.56%	9.54%	• VTIVX	-1.08%	6.55%	4.47%	13.90%
+/- Benchmark	-1.36%	2.64%	0.92%	-0.15%	1.86%	-0.67%	• Benchmark	-0.75%	6.00%	5.33%	14.02%
Peer Group Rank	67	36	41	40	23	23	+/- Benchmark	-0.33%	0.55%	-0.86%	-0.12%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTIVX	4.42%	6.80%	10.89%	13.55%	12.62%	13.93%	• VTIVX	7.36%	18.70%	-19.88%	8.00%
• Benchmark	4.27%	6.47%	10.51%	12.81%	11.93%	12.99%	• Benchmark	6.44%	17.29%	-20.15%	7.48%
+/- Benchmark	0.15%	0.33%	0.38%	0.73%	0.69%	0.94%	+/- Benchmark	0.93%	1.40%	0.28%	0.52%
Peer Group Rank	23	23	29	34	31	28					
							5-Year Quarterly				
Risk Statistics	3 `	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTIVX	0.26%	3.51%	11.48%	-11.78%
Alpha	0.20	0.00	0.14	0.00	0.13	0.00	<ul> <li>Benchmark</li> </ul>	0.53%	3.32%	11.10%	-11.75%
Beta	1.00	1.00	1.01	1.00	1.01	1.00	+/- Benchmark	-0.28%	0.19%	0.38%	-0.039
Standard Deviation	17.88	17.79	15.76	15.63	12.70	12.51					
Sharpe Ratio	0.24	0.23	0.28	0.27	0.59	0.58	5-Year Quarterly				
Information Ratio	0.18	-	0.14	-	0.22	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.82	2.61	3.21	3.08	6.82	6.69	• VTIVX	4.03%	0.94%	-0.58%	5.22%
Upside Capture Ratio	101.32	100.00	101.18	100.00	101.95	100.00	Benchmark	3.81%	1.66%	-0.94%	5.20%
Downside Capture Ratio	100.58	100.00	100.66	100.00	101.46	100.00	+/- Benchmark	0.22%	-0.72%	0.36%	0.02%

00.20.20.20.20.20.20.20.20.20.20.20.20.2		2045 Fund (USU) 02-24-2022	anguara rangocriconomo 🚍 Silver	Vanguard Tarnot Rotiromont Morningstar Analyst Rating Toverall I	neiedse udie ub-30-2022
	2045	193 US Fund Target-Date	***	Analyst Rating™ Overall Morningstar Rating™ Standard Index	
		Tgt Risk TR USD	Morningstar Mod	™ Standard Index	
awactmont Style	TR USD	Lifetime Mod 2045 2045	od Morningstar	Category Index	
nt Ctulo		2045	US Fund Target-Date	Morningstar Cat	

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2020	-19.88	18.70	7.36	13.90	16.30
2021	4.47	6.55	-1.08	5.49	16.16
2022	-5.67	-13.93	-6.51		-24.10
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-19.93	3.46	4.42	7.61	7.02
Std 09-30-2022	-19.93	1	4.42	7.61	7.02
Total Return	-19.93	3.46	4.42	7.61	7.02
+/- Std Index	-1.73	2.32	1.47	2.45	I
+/- Cat Index	0.90	1.36	0.74	0.73	
% Rank Cat	36	34	3	20	
No. in Cat	217	193	167	89	

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 10-27-22 2.55 2.36

7-day Yield

Subsidized

Unsubsidized

(if applicable) Morningstar metrics.

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

**Fees and Expenses** month-end, please call 800-662-7447 or visit www.vanguard.com quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

Sales Charges Front-End Load % Deferred Load %	N N
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.08
Gross Expense Ratio %	0.08
Risk and Return Profile	

Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr 193 funds	5 Yr 167 funds	10 Yr 89 funds
Morningstar Rating™	<b>4★</b>	4 <b>★</b>	4★
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	Avg	+Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	17.88	15.76	12.70
Mean	3.46	4.42	7.61
Sharpe Ratio	0.24	0.28	0.59

Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
	193 funds	167 funds	89 funds
Morningstar Rating™	4*	<b>4</b>	4*
Morningstar Risk	Avg	Avg	-Avg
Morningstar Return	Avg	+Avg	+Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	17.88	15.76	12.70
Mean	3.46	4.42	7.61
Sharpe Ratio	0.24	0.28	0.59
MPT Statistics	Standard Index		Best Fit Index MSCI ACWI NR
			USD
Alpha	2.	2.52	-0.17
Beta	<u>.</u>	1.35	0.92
R-Squared	98.70	70	99.61
12-Month Yield			2.49%
Potential Cap Gains Exp			24.72%
Operations			
Family: Va	Vanguard		
Managar:	NA:.I+i>I>		

720	22.22				2045	9	ים ומושטר המנס		9	0	TR USD	**************************************
84 89		88	88	88	88	88	88	89	98	84	81 <b>1</b>	Investment Style Equity Stocks %
)		1		}	1						- 40k	Grov
}	1										10 <sub>k</sub>	Standard Index 18,413
												Performance Quartile (within category)
2011 20	2012 2	2013	2014	2015	2016	2017	2018	2019	2020	2021	09-22	History
12.87 14.55		17.76	18.65	17.78	18.89	22.50	20.21	24.70	28.19	28.38	21.54	NAV/Price
-2.51   15.58		24.37	7.16	1.57	8.87	21.42	-7.90	24.94	16.30	16.16	-24.10	Total Return %
_	_	1.30	1.91	1.45	-1.97	0.89	0.27	-0.03	3.35	-0.20	0.61	+/- Category Index
14	3	26	12	42	28	26	43	<b>&amp;</b>	36	68	ı	% Rank Cat
139   1	145	180	185	206	195	208	221	229	207	213	218	No. of Funds in Cat
Follotto Analysis 05-30-2022	idiyətə	00-00-	7707				2					
Asset Allocation % Cash	on %		D z	Net % 3.00	Long % 5.74	Short % 2.74	Share Chg since 08-2022	Chg 22	Share I Amount	Holdings: 11,264 Total Stock 6% Turnover Ratio	al Stocks , 16,43 er Ratio	Holdings: Net Assets 11,264 Total Stocks , 16,434 Total Fixed-Income, % 6% Tumover Ratio
Non-US Stocks Bonds	KS		<u></u> ω	33.14	33.14	0.00	<b>+ +</b>	17 1,29		/anguard	d Total Stock d Total Intl S	
Other/Not Clsfd	sfd		<u>.</u>	- 1	0.18	0.00	D ⊕	. o	92 mil 1	/anguard /anguard	Vanguard Total Bond Market II II Vanguard Total Intl Bd II Idx Insl	Vanguard Total Intl Bd II Idx Insl 4.22
0 000			-	00.00	0.7	!						

Value Bland Growth    Ileus   pyy   eBirs	Portfolio Analysis 09-30-2022 Asset Allocation % Cash US Stocks Non-US Stocks Bonds Other/Not Clsfd Total
Portfolio Statistics P/E Ratio TTM P/C Ratio TTM P/B Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	Net % 3.00 50.34 3.01 50.34 33.14 113.34 0.18
Port Rel Avg Index 13.9 1.06 10.5 1.03 2.1 1.09 54027 1.50	Long % 5.74 50.34 33.14 13.35 0.18
Rel Cat 0.96 0.96 0.95 0.95	Short % 2.74 0.00 0.00 0.00 0.00 2.75
Sector Weightings  O Cyclical  Basic Materials  Consumer Cyclical Financial Services  Real Estate	Share Chg Share since Amount 08-2022 174 mil
Stocks %  35.4  31s  4.8  clical  11.3  vices  3.6	Share Holdings: Amount 11,284 Total Stocks , 16,434 Total Fixed-Income, 6% Turnover Ratio 174 mil Vanguard Total Stock Mkt Idx Instl ,292 mil Vanguard Total Intl Stock Index Inv 569 mil Vanguard Total Bond Market II Idx 92 mil Vanguard Total Intl Bd II Idx Inst
Rel Std Index <b>0.90</b> 0.93 1.05 0.97 0.51	Net Assets % 51.01 33.95 9.45 4.22

Fixed-Income Style	-inco	me S1	ě		
듑	Mod	Ē		Avg Eff Maturity	8.90
			ìН	Avg Eff Duration	6.83
			ųí	Ava Wtd Coupon	2.31
			DəM	Avg Wtd Price	
				•	
			MOT		
Credi	Ē.	ξ B	reak	Credit Quality Breakdown 09-30-2022	Bond %
AAA					56.98
$\nearrow$					9.86
⊳					17.43
888					15.19
BB					0.00
В					0.00

Sector Weightings	Stocks %	Rel Std Index
→ Cyclical	35.4	0.90
Basic Materials	4.8	0.93
Consumer Cyclical	11.3	1.05
Financial Services	15.7	0.97
Real Estate	3.6	0.51
Sensitive	41.2	1.13
Communication Services	6.8	1.16
Energy	5.1	0.95
Industrials	10.8	0.98
Technology	18.5	1.31
Defensive	23.4	0.97
Consumer Defensive	7.4	0.94
Healthcare	12.9	1.02
Utilities	3.1	0.84

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:	
\$1,000	US92202E6077	VTIVX	USD	
Total Assets:	Туре:	Incept:	Purchase Constraints:	
\$55,921.32 mil	MF	10-27-2003		

Manager:

Multiple 9.7 Years Vanguard

Greater Europe Greater Asia

64.5 16.8 18.7

1.04 0.95 0.92

Rel Std Index

0.40 0.15

Americas Regional Exposure Below B NR

Tenure:

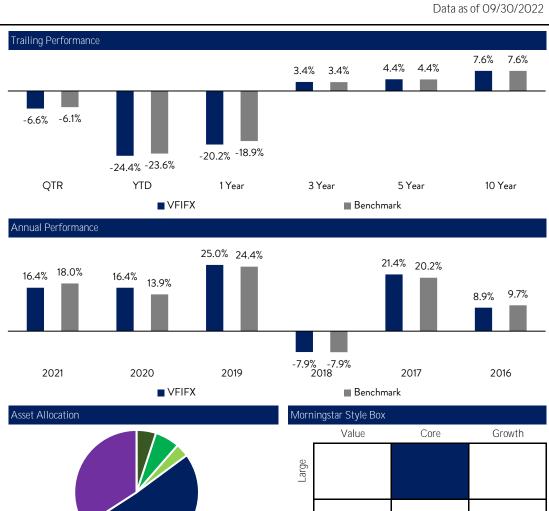
Objective:

Asset Allocation

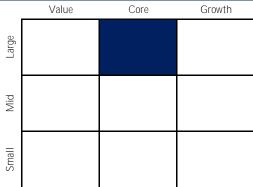
Product Details	
Name	Vanguard Target Retirement 2050 Fund
Ticker	VFIFX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2050
Benchmark	S&P Target Date 2050 TR USD
Inception Date	6/7/2006
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$44,736,231,475

Fund Characteristics	VFIFX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$53,786	-\$3,506
P/E Ratio (TTM)	13.89	-0.54
P/B Ratio (TTM)	2.09	-0.12
Est. Dividend Yield	2.86%	0.13%

Sector Allocations	VFIFX	Category	+/- Category
Materials	4.9%	4.3%	0.5%
Communication Services	6.8%	6.7%	0.1%
Consumer Discretionary	11.3%	11.0%	0.2%
Consumer Staples	7.4%	6.9%	0.4%
Healthcare	12.9%	13.4%	-0.5%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	5.1%	-1.5%
Technology	18.4%	18.6%	-0.2%
Energy	5.1%	4.9%	0.2%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.2%	-0.1%
Other	0.0%	0.0%	0.0%







Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VFIFX	-6.64%	-24.43%	-20.18%	3.41%	4.39%	7.60%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-6.07%	-23.62%	-18.88%	3.37%	4.35%	7.61%	• VFIFX	-6.64%	-14.21%	-5.65%	5.63%
+/- Benchmark	-0.57%	-0.81%	-1.30%	0.04%	0.04%	0.00%	• Benchmark	-6.07%	-14.39%	-5.02%	6.20%
Peer Group Rank	59	27	37	30	24	20	+/- Benchmark	-0.57%	0.17%	-0.63%	-0.57%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VFIFX	16.41%	16.39%	24.98%	-7.90%	21.39%	8.85%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	17.99%	13.86%	24.35%	-7.94%	20.18%	9.74%	• VFIFX	-1.11%	6.61%	4.53%	14.01%
+/- Benchmark	-1.58%	2.53%	0.63%	0.05%	1.22%	-0.89%	• Benchmark	-0.80%	6.08%	5.57%	14.40%
Peer Group Rank	70	37	47	36	31	25	+/- Benchmark	-0.31%	0.52%	-1.04%	-0.39%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VFIFX	4.39%	6.81%	10.96%	13.62%	12.66%	13.97%	• VFIFX	7.35%	18.67%	-19.86%	8.01%
• Benchmark	4.35%	6.59%	10.72%	13.07%	12.19%	13.30%	• Benchmark	6.53%	17.61%	-20.56%	7.65%
+/- Benchmark	0.04%	0.22%	0.24%	0.55%	0.47%	0.68%	+/- Benchmark	0.82%	1.06%	0.70%	0.36%
Peer Group Rank	24	24	31	39	36	32					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VFIFX	0.29%	3.47%	11.50%	-11.79%
Alpha	0.05	0.00	0.06	0.00	0.05	0.00	<ul> <li>Benchmark</li> </ul>	0.47%	3.32%	11.28%	-12.05%
Beta	0.99	1.00	0.99	1.00	0.99	1.00	+/- Benchmark	-0.18%	0.16%	0.22%	0.26%
Standard Deviation	18.01	18.14	15.86	15.96	12.76	12.82					
Sharpe Ratio	0.24	0.24	0.27	0.27	0.58	0.58	5-Year Quarterly				
Information Ratio	0.03	-	0.04	-	0.00	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.80	2.74	3.23	3.16	6.94	6.89	• VFIFX	4.02%	0.94%	-0.55%	5.19%
Upside Capture Ratio	99.90	100.00	99.61	100.00	99.59	100.00	• Benchmark	3.87%	1.72%	-0.94%	5.34%
Downside Capture Ratio	99.74	100.00	99.34	100.00	99.40	100.00	+/- Benchmark	0.15%	-0.78%	0.38%	-0.14%

## **2050 Fund (USD)** Vanguard Target Retirement

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2020	-19.86	18.67	7.35	14.01	16.39
2021	4.53	6.61	<u>-1</u> -1	5.63	16.41
2022	-5.65	-14.21	-6.64		-24.43
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-20.18	3.41	4.39	7.60	6.33
Std 09-30-2022	-20.18	1	4.39	7.60	6.33
Total Return	-20.18	3.41	4.39	7.60	6.33
+/- Std Index	-1.98	2.27	1.45	2.43	
+/- Cat Index	0.73	1.24	0.73	0.75	
% Rank Cat	38	엃	33	20	
No. in Cat	218	194	168	94	

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. Performance Disclosure 30-day SEC Yield 10-26-22

7-day Yield

Subsidized 2.59

Unsubsidized

201

2.38

0.9

20.4 -2.5 -3.1

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

month-end, please call 800-662-7447 or visit www.vanguard.com. quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data Fees and Expenses

Sales Charges Front-End Load % Deferred Load %	Z Z
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	Z,
Net Expense Ratio %	0.08
Gross Expense Ratio %	0.08

Fixed-Income Style

ЧбіН baM

Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price

Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr 194 funds	5 Yr 168 funds	10 Yr 94 funds
Morningstar Rating™	<b>4</b> *	<b>4</b> *	4⊁
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	Avg	Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	18.01	15.86	12.76
Mean	3.41	4.39	7.60
Sharpe Ratio	0.24	0.28	0.58
MPT Statistics	Standard Index		Best Fit Index MSCI ACWI NR
Alpha	2.49	19	-0.22
Beta	1.36	8	0.93
R-Squared	98.79	79	99.64
12-Month Yield			2.54%
Potential Cap Gains Exp			22.99%

Credit Quality Breakdown 09-30-2022 AAA

83	14	8	3	54	41	=		<b>₹</b>	<b>—</b>
177	44	-0.35	3.54	15.58	23.09	2012		88 🎞	Morningst Silver 02-24-2022
202	8	1.51	10.04	24.34	28.19	2013		8	Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index  *****  ****  *****  *****  *****  ****
212	16	2.18	2.29	7.18	29.62	2014		8 🖽	nalyst R
226	45	1.62	0.22	-1.58	28.49	2015		8 🖽	ating™
213	29	-2.04	0.28	8.85	30.39	2016		8 🖽	<b>Overall</b> ★★★★ 194 US 2050
230	88	0.61	6.73	21.39	36.20	2017		8 🎞	<b>Dverall Morningstar Rat</b> ★★★★ 194 US Fund Target-Date 2050
239	37	0.51	-3.14	-7.90	32.52	2018		8 🖽	<b>ystar Ra</b> rget-Dat
241	47	-0.10	5.96	24.98	39.77	2019		89	e e
217	37	3.48	3.57	16.39	45.45	2020		9 <u></u>	Standard Index Morningstar Mo Tgt Risk TR USD
215	74	-0.19	6.22	16.41	46.90	2021		87	Standard Index Morningstar Mod Tgt Risk TR USD
219	ı	0.36	-3.52	-24.43	35.44	09-22		85 100k 80 80k 60k 20k	Category Index  Morningstar Lifetime Mod 2050 TR USD
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)	Investment Style Equity Stocks % Growth of \$10,000  I Vanguard Target Retirement 2050 Fund 23,012 Category Average 20,811 Standard Index 18,413	Index Morningstar Cat tar US Fund Target-Date Vlod 2050 2050

Portfolio Analysis U9-3U-2U22	S U9-3U-2U22					
Asset Allocation %	Net %	Long %	Short %	Share Chg Share	Holdings:	Net Assets
Cash	2.99	5.09	2.10	since Amount	11,264 Total Stocks , 15,506 Total Fixed-Income,	%
US Stocks	52.12	52.12	0.00	7202-00	2% Fullover hauto	
Non-US Stocks	34.74	34.74	0.00	⊕ 144 mil	144 mil Vanguard Total Stock Mkt Idx Insti	52.81
Bonds	10.01	10.01	0.00	⊕ 1,083 mil	,083 mil Vanguard Total Intl Stock Index Inv	35.60
Other/Not Clsfd	0.14	0.14	0.00	⊕ 339 mil	339 mil Vanguard Total Bond Market II ldx	7.04
Total	100.00	102.10	2.10	① 56 mil	56 mil Vanguard Total Intl Bd II Idx Insl	3.21
Equity Style	Portfolio Statistics	Port Rel	- Be	Sector Weightings	Stocks %	Rel Std Index
Value Blend Growth	P/F Ratio TTM	Avg Index	20 Cat	Դ Cyclical	35.5	0.90
рбјеј	P/C Ratio TTM			Basic Materials	ls 4.9	0.93
ρiM	P/B Ratio TTM	2.1 1.09		Consumer Cyclical	lical 11.3	1.05
S I	à	53786 1.49		Financial Services	ices 15.7	0.97
llem	\$mil			Real Estate	3.6	0.51
				Sensitive	41.2	1.13

	Sector Weightings	Stocks %	Rel Std Index
ex n oat	<b>∿</b> Cyclical	35.5	0.90
	Basic Materials	4.9	0.93
	Consumer Cyclical	11.3	1.05
	Financial Services	15.7	0.97
	Real Estate	3.6	0.51
	<b>≻</b> Sensitive	41.2	1.13
8.90	Communication Services	6.8	1.16
6.84	★ Energy	5.1	0.95
2.30	Industrials	10.8	0.98
	Technology	18.4	1.30
	→ Defensive	23.4	0.97
Bond %	Consumer Defensive	7.4	0.94
28 75 0010 %	Healthcare	12.9	1.02
9.97	Utilities	3.1	0.84
17.52			
15.21			
0.00			

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$1,000	US92202E8628	VFIFX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$44,736.23 mil	MF	06-07-2006	

Operations
Family: Manager:

Greater Europe Greater Asia

64.2 16.9 18.8

1.04 0.95 0.92

Rel Std Index

0.41 0.15 0.00

Americas Regional Exposure Below B

몱

B BB BB

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Tenure: Objective:

Multiple 9.7 Years

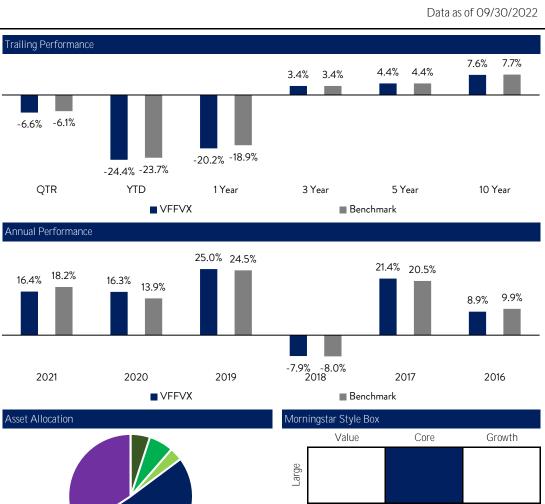
Asset Allocation

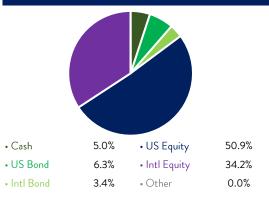
#### Vanguard Target Retirement 2055 Fund VFFVX

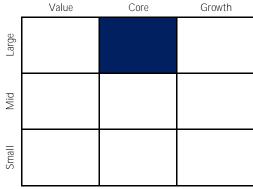
Product Details	
Name	Vanguard Target Retirement 2055 Fund
Ticker	VFFVX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2055
Benchmark	S&P Target Date 2055 TR USD
Inception Date	8/18/2010
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$27,570,033,615

Fund Characteristics	VFFVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$53,736	-\$3,069
P/E Ratio (TTM)	13.89	-0.43
P/B Ratio (TTM)	2.09	-0.09
Est. Dividend Yield	2.86%	0.10%

Sector Allocations	VFFVX	Category	+/- Category
Materials	4.9%	4.5%	0.3%
Communication Services	6.8%	6.8%	0.0%
Consumer Discretionary	11.3%	11.0%	0.2%
Consumer Staples	7.4%	6.9%	0.4%
Healthcare	12.9%	13.3%	-0.4%
Industrials	10.8%	10.3%	0.5%
Real Estate	3.6%	5.0%	-1.4%
Technology	18.4%	18.5%	-0.1%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	15.4%	0.3%
Utilities	3.1%	3.2%	-0.1%
Other	0.0%	0.0%	0.0%







Vanguard Target Retirement 2055 Fund VFFVX

Performance												
Senchmark   -6.07%   -23.69%   -18.94%   3.42%   4.39%   7.74%   -VFFVX   -6.63%   -14.19%   -5.69%   5.65%   -8.66.hmark   -0.55%   -0.75%   -1.23%   -0.02%   -0.01%   -0.15%   -8.66.hmark   -6.07%   -14.47%   -5.01%   6.22   er Group Rank   58   27   36   32   27   27   +/- Benchmark   -0.55%   0.27%   -0.67%   -0.57%   -	Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
-Benchmark	• VFFVX	-6.63%	-24.44%	-20.17%	3.40%	4.38%	7.58%	Performance	3Q22	2Q22	1Q22	4Q21
er Group Rank 58 27 36 32 27 27 +/- Benchmark -0.55% 0.27% -0.67% -0.67%	• Benchmark	-6.07%	-23.69%	-18.94%	3.42%	4.39%	7.74%	• VFFVX	-6.63%	-14.19%	-5.69%	5.65%
	+/- Benchmark	-0.55%	-0.75%	-1.23%	-0.02%	-0.01%	-0.15%	<ul> <li>Benchmark</li> </ul>	-6.07%	-14.47%	-5.01%	6.22%
	Peer Group Rank	58	27	36	32	27	27	+/- Benchmark	-0.55%	0.27%	-0.67%	-0.57%
Senchmark   18.19%   13.86%   24.48%   -7.97%   20.48%   9.94%   -VFFVX   -1.11%   6.61%   4.54%   13.97	Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
EBenchmark 1.175% 2.46% 0.49% 0.09% 0.90% -1.06% -Benchmark -0.80% 6.15% 5.67% 14.56 er Group Rank 75 41 48 34 39 22 +/- Benchmark -0.30% 0.46% -1.13% -0.56 er Group Rank 75 41 48 34 39 22 +/- Benchmark -0.30% 0.46% -1.13% -0.56 er Group Rank 75 41 48 34 39 22 +/- Benchmark -0.30% 0.46% -1.13% -0.56 er Group Rank 75 41 48 34 39 22 +/- Benchmark -0.30% 0.46% -1.13% -0.56 er Group Rank 0.97/2012 0.07/2017 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2016 - 0.07/2017 - 0.07/	• VFFVX	16.44%	16.32%	24.98%	-7.89%	21.38%	8.88%	Performance	3Q21	2Q21	1Q21	4Q20
10/2017 - 07/2017 - 04/2017 - 01/2017 - 10/2016 - 07/2	• Benchmark	18.19%	13.86%	24.48%	-7.97%	20.48%	9.94%	• VFFVX	-1.11%	6.61%	4.54%	13.97%
10/2017 - 07/2017 - 04/2017 - 01/2017 - 10/2016 - 07/2	+/- Benchmark	-1.75%	2.46%	0.49%	0.09%	0.90%	-1.06%	• Benchmark	-0.80%	6.15%	5.67%	14.56%
Oling 5-Year Performance	Peer Group Rank	75	41	48	34	39	22	+/- Benchmark	-0.30%	0.46%	-1.13%	-0.59%
VFFVX		10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Seechmark   A.39%   6.64%   10.80%   13.18%   12.33%   13.46%   + Benchmark   6.62%   17.76%   -20.84%   7.73    - Benchmark   -0.01%   0.16%   0.15%   0.43%   0.32%   0.50%   +/- Benchmark   0.76%   0.88%   0.95%   0.29	Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
- Benchmark	• VFFVX	4.38%	6.80%	10.95%	13.61%	12.65%	13.96%	• VFFVX	7.38%	18.64%	-19.89%	8.02%
See   Statistics   Sample   See   Sample	• Benchmark	4.39%	6.64%	10.80%	13.18%	12.33%	13.46%	• Benchmark	6.62%	17.76%	-20.84%	7.73%
Sk Statistics    3 Year     5 Year     10 Year	+/- Benchmark	-0.01%	0.16%	0.15%	0.43%	0.32%	0.50%	+/- Benchmark	0.76%	0.88%	0.95%	0.29%
Sk Statistics   Step   Statistics   Statis	Peer Group Rank	27	26	37	42	40	37					
Manager Benchmark Manager Benchmark Manager Benchmark • VFFVX 0.27% 3.48% 11.50% -11.76 pha 0.00 0.00 0.00 0.03 0.00 -0.02 0.00 • Benchmark 0.46% 3.34% 11.31% -12.10 pha 0.98 1.00 0.98 1.00 0.98 1.00 +/- Benchmark -0.19% 0.14% 0.20% 0.34 pha 0.24 0.24 0.27 0.27 0.58 0.58 5-Year Quarterly formation Ratio 0.002 - 0.001 - 0.015 - Performance 3018 2018 1018 401 pha 0.26% 0.								5-Year Quarterly				
pha 0.00 0.00 0.03 0.00 -0.02 0.00 *Benchmark 0.46% 3.34% 11.31% -12.10 tata 0.98 1.00 0.98 1.00 0.98 1.00 +/- Benchmark -0.19% 0.14% 0.20% 0.34 and Deviation 18.02 18.31 15.86 16.09 12.75 12.98 tarpe Ratio 0.24 0.24 0.27 0.27 0.58 0.58 5-Year Quarterly formation Ratio -0.020.010.15 - Performance 3018 2018 1018 401 eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 *VFFVX 3.99% 0.95% -0.56% 5.18 poside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 *Benchmark 3.88% 1.70% -0.91% 5.38	Risk Statistics	3	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
ta 0.98 1.00 0.98 1.00 0.98 1.00 0.98 1.00 +/- Benchmark -0.19% 0.14% 0.20% 0.34 andard Deviation 18.02 18.31 15.86 16.09 12.75 12.98 arape Ratio 0.24 0.24 0.27 0.27 0.58 0.58 5-Year Quarterly formation Ratio -0.020.010.15 - Performance 3018 2018 1018 401 eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 •VFFVX 3.99% 0.95% -0.56% 5.18 asside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 •Benchmark 3.88% 1.70% -0.91% 5.38		Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VFFVX	0.27%	3.48%	11.50%	-11.76%
andard Deviation 18.02 18.31 15.86 16.09 12.75 12.98  sarpe Ratio 0.24 0.24 0.27 0.27 0.58 0.58 5-Year Quarterly  formation Ratio -0.020.010.15 - Performance 3018 2018 1018 401  eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 •VFFVX 3.99% 0.95% -0.56% 5.18*  poside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 •Benchmark 3.88% 1.70% -0.91% 5.38*	Alpha	0.00	0.00	0.03	0.00	-0.02	0.00	<ul> <li>Benchmark</li> </ul>	0.46%	3.34%	11.31%	-12.10%
Parpe Ratio 0.24 0.24 0.27 0.27 0.58 0.58 5-Year Quarterly  Formation Ratio -0.020.010.15 - Performance 3018 2018 1018 401  Eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 •VFFVX 3.99% 0.95% -0.56% 5.18  Unside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 •Benchmark 3.88% 1.70% -0.91% 5.38	Beta	0.98	1.00	0.98	1.00	0.98	1.00	+/- Benchmark	-0.19%	0.14%	0.20%	0.34%
Formation Ratio -0.020.010.15 - Performance 3018 2018 1018 401 eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 •VFFVX 3.99% 0.95% -0.56% 5.18 poside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 •Benchmark 3.88% 1.70% -0.91% 5.38	Standard Deviation	18.02	18.31	15.86	16.09	12.75	12.98					
eynor Ratio 2.82 2.79 3.24 3.20 7.01 7.02 • VFFVX 3.99% 0.95% -0.56% 5.18 oside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 • Benchmark 3.88% 1.70% -0.91% 5.38	Sharpe Ratio	0.24	0.24	0.27	0.27	0.58	0.58	5-Year Quarterly				
roside Capture Ratio 98.96 100.00 98.70 100.00 98.06 100.00 Benchmark 3.88% 1.70% -0.91% 5.38	Information Ratio	-0.02	-	-0.01	-	-0.15	-	Performance	3Q18	2Q18	1Q18	4Q17
	Treynor Ratio	2.82	2.79	3.24	3.20	7.01	7.02	• VFFVX	3.99%	0.95%	-0.56%	5.18%
ownside Capture Ratio 98.95 100.00 98.52 100.00 98.11 100.00 +/- Benchmark 0.11% -0.76% 0.35% -0.20	Upside Capture Ratio	98.96	100.00	98.70	100.00	98.06	100.00	• Benchmark	3.88%	1.70%	-0.91%	5.38%
	Downside Capture Ratio	98.95	100.00	98.52	100.00	98.11	100.00	+/- Benchmark	0.11%	-0.76%	0.35%	-0.20%

## **2055 Fund (USD)** Vanguard **Target Retirement** Morningstar Analyst Rating™ Overall Morningstar Rating™ ★★★★

Standard Index

Category Index

Morningstar Cat

22

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-19.89	18.64	7.38	13.97	16.32
2021	4.54	6.61	-1.11	5.65	16.44
2022	-5.69	-14.19	-6.63		-24.44
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-20.17	3.40	4.38	7.58	8.37
Std 09-30-2022	-20.17	1	4.38	7.58	8.37
Total Return	-20.17	3.40	4.38	7.58	8.37
+/- Std Index	-1.97	2.26	1.44	2.41	I
+/- Cat Index	0.87	1.28	0.80	0.82	
% Rank Cat	37	엃	38	26	
No. in Cat	217	193	167	71	

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. Performance Disclosure 30-day SEC Yield 10-27-22

7-day Yield

Subsidized 2.59

Unsubsidized 2.39

21.86 -2.27

1.48 9 -2.86 2011

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

month-end, please call 800-662-7447 or visit www.vanguard.com quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data Fees and Expenses

#### Deferr Front-E Sales Charges

Fund Eynancae			
Management Fees %			0.00
12b1 Expense %			Z,
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr 193 funds	5 Yr 167 funds	10 Y 71 funds
Morningstar Rating™	4⋆	4⋆	4⊁
Morningstar Risk	-Avg	-Avg	-Avc
Morningstar Return	Avg	Avg	+Avc
	3 Yr	5Yr	10 Y
Standard Deviation	18.02	15.86	12.75
Mean	3.40	4.38	7.58
Sharpe Ratio	0.24	0.27	0.58

AAA	10 Yr	5Yr	3 Yr	
Credit Ou	+Avg	Avg	Avg	ıgstar Return
	-Avg	-Avg	-Avg	ıgstar Risk
	<b>4★</b>	4*	4*	ıgstar Rating™
	10 Yr 71 funds	5 Yr 167 funds	3 Yr 193 funds	!
				nd Return Profile
Ltd Mod	0.08			Expense Ratio %
Fixed-Inc	0.08			(pense Ratio %
F	NA			xpense %
	0.00			ement Fees %
				penses
	NA			ed Load %
Value Blend	N			End Load %
				harges
Total				and Expenses

<b>Risk and Return Profile</b>			
	3 Yr 193 funds	5 Yr 167 funds	10 Yr 71 funds
Morningstar Rating™	<b>4★</b>	<b>4</b> *	4⊁
Morningstar Risk	-Avg	-Avg	-Avg
Morningstar Return	Avg	Avg	+Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	18.02	15.86	12.75
Mean	3.40	4.38	7.58
Sharpe Ratio	0.24	0.27	0.58
MPT Statistics	Standard Index	3	Best Fit Index MSCI ACWI NR
			USD
Alpha	2.48	8	-0.23
Beta	1.36	36	0.93
R-Squared	98.80	80	99.65
12-Month Yield			2.52%
Potential Cap Gains Exp			20.49%
Operations			
Family: Va	Vanguard		

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Below B NR

102	48	-0.42	3.54	15.58	24.80	2012		88 1	<b>Silver</b> 02-24-2022
130	36	1.84	10.02	24.33	30.35	2013		8 🖽	<b>/er</b> 022
156	16	2.45	2.31	7.19	31.98	2014		88 🖽	,
238	ឌ	1.62	0.07	-1.72	30.83	2015		88 🛅	,
193	27	-2.03	0.31	8.88	32.91	2016		8 🗐	**** 193 US 2055
206	48	0.43	6.72	21.38	39.23	2017		88 🛅	<b>★★★★</b> 193 US Fund Target-Date 2055
221	37	0.68	: :3 :13	-7.89	35.30	2018		88 1	rget-Dat
229	51	-0.07	5.95	24.98	43.19	2019		88 1	
207	41	3.41	3.50	16.32	49.34	2020		ā 🎹	Morning Tgt Risk
213	78	-0.06	6.25	16.44	52.22	2021		88 🗔	Morningstar Mod Tgt Risk TR USD
218	1	0.45	-3.52	-24.44	39.46	09-22		85 85 80k 60k 40k	_
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)	Investment Style Equity Stocks % Growth of \$10,000  Vanguard Target Retirement 2055 Fund 23,038 Category Average 21,511 Standard Index 18,413	Morningstar US Fund Target-Date Lifetime Mod 2055 2055 TR USD

Equity Style Value Blend Growth    Items	Portfolio Analysis US-3U-ZUZZ Asset Allocation % Cash US Stocks Non-US Stocks Bonds Other/Not Clsfd Total
Portolio Statistics P/E Ratio TTM P/C Ratio TTM P/B Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	Net % 30-2022 Net % 3.02 52.08 34.81 9.93 0.14 100.00
Port Rel Avg Index 13.9 1.06 10.5 1.03 2.1 1.09 53736 1.49	Long % 5.08 52.09 34.81 9.94 0.14
Rel Cat 0.97 0.97 0.96 0.96	Short % 2.07 0.00 0.00 0.00 0.00 0.00 2.07 2.07
Sector Weightings  • Gyclical  • Basic Materials  • Consumer Cyclical  • Financial Services  • Real Estate	Share Chg Share since Amount 08-2022 89 mil ⊕ 669 mil ⊕ 208 mil ⊕ 34 mil
Stacks % 35.5 4.9 clical 11.3 vices 15.7 3.6	Share Holdings: Amount 11,264 Total Stocks , 15,484 Total Fixed-Income, 5% Tunnover Batio 89 mil Vanguard Total Stock Mkt Idx Instl 369 mil Vanguard Total Intl Stock Index Inv 208 mil Vanguard Total Bond Market II Idx 34 mil Vanguard Total Intl Bd II Idx Insl
Rel Std Index <b>0.90</b> 0.93 1.05 0.97 0.51	Net Assets % 52.78 35.68 7.01 3.16

uality					od Ext	come Style	
uality Breakdown (9-30-2022		мод	Avg Wtd Price	Avg Eff Duration  Avg Wtd Coupon	l	Style	
Bond % 56. 86 9.92 17. 47 15. 20			1	6.84 2.31	8.90		
<b>→</b> +	T	1			o i	Ιş	

07	34 mil Vanguard Total Intl Bd II Idx Insl	tl Bd II Idx Insl	3.16
윤	Sector Weightings	Stocks %	Rel Std Index
o Cat	Դ Cyclical	35.5	0.90
97	Basic Materials	4.9	0.93
.99	Consumer Cyclical	11.3	1.05
.95	Financial Services	15.7	0.97
	Real Estate	3.6	0.51
	✓ Sensitive	41.2	1.13
.90	■ Communication Services	6.8	1.16
.84	★ Energy	5.1	0.95
<u>ω</u>	Industrials	10.8	0.98
	Technology	18.4	1.30
	→ Defensive	23.4	0.97
5	Consumer Defensive	7.4	0.94
ສິ	♣ Healthcare	12.9	1.02
9 8	Utilities	3.1	0.84
47			

Ċ			
\$1,000	US92202E8479	VFFVX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$27,570.03 mil	MF	08-18-2010	

Manager:

Multiple

Ticker: Base Currency:

ISIN:

Minimum Initial Purchase

Greater Europe Greater Asia

64.2 17.0 18.9

1.04 0.95 0.92

Rel Std Index

0.15

0.00 0.40

0.00

Americas Regional Exposure

Tenure:

Objective:

Asset Allocation 9.7 Years

Product Details	
Name	Vanguard Target Retirement 2060 Fund
Ticker	VTTSX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2060
Benchmark	S&P Target Date 2060 TR USD
Inception Date	1/19/2012
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$13,679,555,621

Fund Characteristics	VTTSX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$53,657	-\$4,508
P/E Ratio (TTM)	13.89	-0.52
P/B Ratio (TTM)	2.09	-0.13
Est. Dividend Yield	2.86%	0.10%

Sector Allocations	VTTSX	Category	+/- Category
Materials	4.9%	4.6%	0.3%
Communication Services	6.8%	6.8%	-0.1%
Consumer Discretionary	11.3%	11.0%	0.2%
Consumer Staples	7.4%	7.0%	0.4%
Healthcare	12.9%	13.6%	-0.7%
Industrials	10.8%	10.4%	0.4%
Real Estate	3.6%	4.9%	-1.2%
Technology	18.4%	18.4%	0.0%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	15.1%	0.6%
Utilities	3.1%	3.1%	0.0%
Other	0.0%	0.0%	0.0%



5.0%

6.3%

3.4%

• Cash

• US Bond

• Intl Bond

Trailing Dorformance	QTR	VID -	1 Voor	2 Voor	E Voor	10 Voor	E Vern Orantant				
Trailing Performance		YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly	3Q22	2Q22	1Q22	4Q21
• VTTSX	-6.64%	-24.44%	-20.16%	3.40%	4.38%	7.58%	Performance				
Benchmark	-6.09%	-23.73%	-18.99%	3.43%	4.44%	7.78%	• VTTSX	-6.64%	-14.19%	-5.68%	5.66%
+/- Benchmark	-0.54%	-0.71%	-1.17%	-0.03%	-0.06%	-0.20%	• Benchmark	-6.09%	-14.48%	-5.02%	6.21%
Peer Group Rank	61	24	36	35	29	1	+/- Benchmark	-0.54%	0.29%	-0.66%	-0.55%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTTSX	16.44%	16.32%	24.96%	-7.87%	21.36%	8.84%	Performance	3Q21	2Q21	1Q21	4Q20
Benchmark	18.05%	13.99%	24.73%	-7.95%	20.75%	10.08%	• VTTSX	-1.11%	6.61%	4.54%	13.96%
+/- Benchmark	-1.60%	2.33%	0.23%	0.08%	0.61%	-1.23%	Benchmark	-0.83%	6.12%	5.61%	14.56%
							+/- Benchmark				
Peer Group Rank	77	41	56	29	42	18	+/- Benchmark	-0.29%	0.48%	-1.07%	-0.59%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTTSX	4.38%	6.79%	10.95%	13.61%	12.64%	13.96%	• VTTSX	7.39%	18.61%	-19.86%	8.02%
• Benchmark	4.44%	6.70%	10.87%	13.28%	12.46%	13.61%	• Benchmark	6.61%	17.93%	-20.86%	7.81%
+/- Benchmark	-0.06%	0.09%	0.08%	0.32%	0.18%	0.35%	+/- Benchmark	0.77%	0.68%	0.99%	0.20%
Peer Group Rank	29	31	42	48	48	50					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTTSX	0.28%	3.48%	11.48%	-11.77%
Alpha	0.00	0.00	-0.01	0.00	-0.03	0.00	• Benchmark	0.45%	3.37%	11.42%	-12.22%
Beta	0.98	1.00	0.98	1.00	0.97	1.00	+/- Benchmark	-0.18%	0.12%	0.06%	0.45%
Standard Deviation	17.99	18.34	15.84	16.15	12.75	13.04					
Sharpe Ratio	0.24	0.24	0.27	0.28	0.58	0.59	5-Year Quarterly				
Information Ratio	-0.02	-	-0.06	-	-0.20	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.83	2.80	3.26	3.25	7.04	7.07	• VTTSX	4.00%	0.93%	-0.52%	5.17%
Upside Capture Ratio	98.69	100.00	98.13	100.00	97.49	100.00	• Benchmark	3.97%	1.77%	-0.90%	5.47%
Downside Capture Ratio	98.69	100.00	98.09	100.00	97.56	100.00	+/- Benchmark	0.02%	-0.84%	0.38%	-0.30%

# **2060 Fund (USD)** Vanguard Target Retirement

+/- Std Index Std 09-30-2022 Load-adj Mthly 2022 2021 2020 Quarterly Returns No. in Cat % Rank Cat +/- Cat Index Total Return Trailing Returns Performance 09-30-2022 -19.86 -20.16 -20.16 -20.16 1st Otr -5.68 -1.96 1.01 4.54 217 37 -14.19 2nd Otr 18.61 6.61 2.26 1.37 3.40 3.40 <del>1</del>85 3 Υ 42 3rd Qtr 7.39 -1.11 -6.64 4.38 4.38 0.90 1.44 4.38 149 5 Yr 41 13.96 4th Otr 0.93 2.41 5.66 7.58 7.58 7.58 10 Y -24.44 Total % 16.32 16.44 Incept 7.91 7.91 7.91

djusted returns,	s based on risk-a	<b>Performance Disclosure</b> The Overall Morningstar Rating is based on risk-adjusted returns,
2.39	2.59	30-day SEC Yield 10-27-22
		7-day Yield
Unsubsidized	Subsidized	

2011

does not guarantee future results. The investment return and The performance data quoted represents past performance and (if applicable) Morningstar metrics. derived from a weighted average of the three-, five-, and 10-year

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than Current performance may be lower or higher than return data their original cost.

month-end, please call 800-662-7447 or visit www.vanguard.com. quoted herein. For performance data current to the most recent Fees and Expenses

Sales Charges Front-End Load % Deferred Load %	N A
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.08
Gross Expense Ratio %	0.08
Risk and Return Profile	

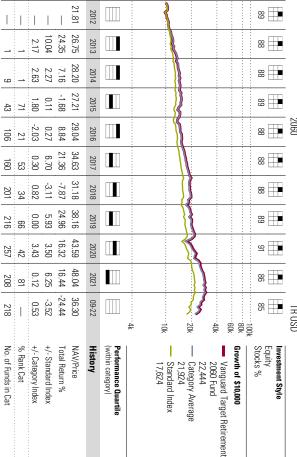
000000000000000000000000000000000000000			
Fund Expenses			
Management Fees %			0.0
12b1 Expense %			7
Net Expense Ratio %			9
Gross Expense Ratio %			<u>e</u>
Risk and Return Profile			
	3 Yr	5Yr	10
	185 funds	149 funds	1 fun
Morningstar Rating <sup>™</sup>	<b>4★</b>	4 <b>★</b>	
Morningstar Risk	-Avg	-Avg	1
Morningstar Return	Avg	Avg	
	3 Yr	5Yr	10
Standard Deviation	17.99	15.84	12.
Maan	3 /0	25 V	7 1

The Lybourge Hand /o			
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr 185 funds	5 Yr 149 funds	10 Yr 1 funds
Morningstar Rating™	4⊁	<b>4★</b>	
Morningstar Risk	-Avg	-Avg	1
Morningstar Return	Avg	Avg	
	3 Yr	5Yr	10 Yr
Standard Deviation	17.99	15.84	12.75
Mean	3.40	4.38	7.58
Sharpe Ratio	0.24	0.27	0.58
MPT Statistics	Standard Index		Best Fit Index MSCI ACWI NR
-	,	i	OSU
Alpha	2.48	ŏ	-0.23
Beta	1.35	õ	0.93
R-Squared	98.80	ŏ	99.65
12-Month Yield			2.46%
Potential Cap Gains Exp			17.41%
Operations			
Family: Var	Vanguard		
	-		

_   84" 3				)
Morningst	88			
ngstar A Ver 1022	88			
Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index  ****  ****  ****  ****  ****  ****  ****	8			
ating <sup>TM</sup>	88			
Overall Morningstar Rati **** 185 US Fund Target-Date 2060	88			N
Mornin Fund Ta	88			$\mathbb{I}$
gstar Ra rget-Dat	8			
e ating m	89			
Standar Morning Tgt Risk	9		<u>\</u>	1
Standard Index Morningstar Mod Tgt Risk TR USD	86			
П	85		3	}
Category Inc. Morningstar Lifetime Mo TR USD	100k		4	20k
Category Index Morningstar Lifetime Mod 2060 TR USD Investm	Investment Equity Stocks %	Grov	l	1 1
<b>stme</b>	Investme Equity Stocks %	Growth of	2060 22,4	21,9 Stan

2060

**US Fund Target-Date Morningstar Cat** 



Avg Eff Maturity  Avg Eff Duration  Avg Wtd Coupon  Avg Wtd Price  2.30	<u>=</u>				-	¥	
on you	-	мол	nawi	пви	Ē	e Styl	
8.90 6.84 2.30					Avg Eff Maturity		
	Don't o'		1	6.84 2.30	8.90		
	Cor	Def	Tec	E E	י מ	Se Se	1

Fixed-Income Style	Avg Eff Maturity	8.90
деіH	Avg Eff Duration Avg Wtd Coupon	6.84 2.30
p∌W	Avg Wtd Price	
мот		
Credit Quality Breakdown 09-30-2022	down 09-30-2022	Bond %
AAA		56.76
AA		9.96
Α		17.51
BBB		15.21
BB		0.00
Below B NR		0.41 0.15
Regional Exposure	Stocks %	Rel Std Index
Americas	64.1	1.04
Greater Europe	17.0	0.96
Greater Asia	18.9	0.93

Stocks %	Rel Std Index
35.5	0.90
4.9	0.93
11.3	1.05
15.7	0.97
3.6	0.51
41.2	1.13
6.8	1.16
5.1	0.95
10.8	0.98
18.4	1.30
23.4	0.97
7.4	0.94
12.9	1.02
3.1	0.84
	Stocks % 35.5 4.9 11.3 15.7 3.6 41.2 6.8 5.1 10.8 18.4 23.4 7.4 12.9 3.1

Ÿ	USD	Purchase Constraints:	
	VTTSX	Incept:	01-19-2012
	US92202E8396	Type:	MF
tial Purchase: \$1,000	\$1,000	Total Assets:	\$13,679.56 mil

Manager:

Multiple Vanguard

Ticker:

Base Currency

Tenure:

Objective:

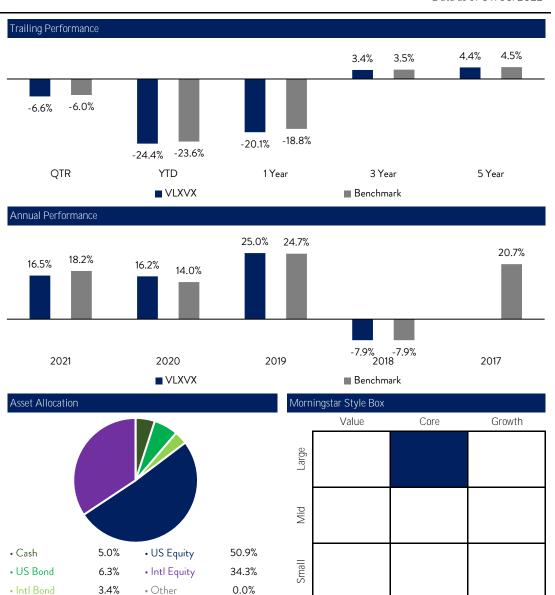
Asset Allocation 9.7 Years

Minimum Initi ISIN:

Product Details	
Name	Vanguard Target Retirement 2065 Fund
Ticker	VLXVX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2065+
Benchmark	S&P Target Date 2065+ TR USD
Inception Date	7/12/2017
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	5.25 Years
Fund Size	\$3,133,079,547

Fund Characteristics	VLXVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$53,684	-\$2,004
P/E Ratio (TTM)	13.89	-0.10
P/B Ratio (TTM)	2.09	-0.05
Est. Dividend Yield	2.86%	0.05%

Sector Allocations	VLXVX	Category	+/- Category
Materials	4.9%	4.7%	0.1%
Communication Services	6.8%	7.0%	-0.2%
Consumer Discretionary	11.3%	11.2%	0.1%
Consumer Staples	7.4%	7.1%	0.2%
Healthcare	12.9%	12.8%	0.1%
Industrials	10.8%	10.7%	0.2%
Real Estate	3.6%	4.4%	-0.8%
Technology	18.4%	18.7%	-0.3%
Energy	5.1%	5.1%	0.0%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.0%	0.1%
Other	0.0%	0.0%	0.0%



Vanguard Target Retirement 2065 Fund VLXVX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VLXVX	-6.60%	-24.38%	-20.10%	3.38%	4.36%	-	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-6.04%	-23.61%	-18.84%	3.52%	4.50%	-	• VLXVX	-6.60%	-14.20%	-5.63%	5.66%
+/- Benchmark	-0.56%	-0.77%	-1.26%	-0.14%	-0.13%	-	• Benchmark	-6.04%	-14.44%	-4.98%	6.25%
Peer Group Rank	52	21	24	43	50	-	+/- Benchmark	-0.56%	0.24%	-0.65%	-0.59%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VLXVX	16.46%	16.17%	24.96%	-7.95%	-	-	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	18.17%	13.99%	24.73%	-7.95%	20.75%	-	• VLXVX	-1.11%	6.61%	4.55%	13.95%
+/- Benchmark	-1.71%	2.18%	0.23%	0.00%	-	-	• Benchmark	-0.80%	6.16%	5.61%	14.56%
Peer Group Rank	66	56	57	1	-	-	+/- Benchmark	-0.31%	0.44%	-1.06%	-0.61%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VLXVX	4.36%	-	-	-	-	-	• VLXVX	7.36%	18.59%	-19.92%	8.00%
• Benchmark	4.50%	6.75%	10.91%	13.30%	12.47%	13.62%	• Benchmark	6.61%	17.93%	-20.86%	7.81%
+/- Benchmark	-0.13%	-	-	-	-	-	+/- Benchmark	0.74%	0.66%	0.94%	0.19%
Peer Group Rank	50	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3`	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VLXVX	0.27%	3.52%	11.47%	-11.77%
Alpha	-0.10	0.00	-0.09	0.00	-	-	<ul> <li>Benchmark</li> </ul>	0.45%	3.37%	11.42%	-12.22%
Beta	0.98	1.00	0.98	1.00	-	-	+/- Benchmark	-0.19%	0.16%	0.06%	0.45%
Standard Deviation	18.01	18.33	15.86	16.14	-	-					
Sharpe Ratio	0.24	0.24	0.27	0.28	-	-	5-Year Quarterly				
Information Ratio	-0.12	-	-0.13	-	-	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	2.80	2.88	3.23	3.30	-	-	• VLXVX	3.95%	0.97%	-0.60%	5.19%
Upside Capture Ratio	98.55	100.00	98.03	100.00	-	-	Benchmark	3.97%	1.77%	-0.90%	5.47%
Downside Capture Ratio	98.96	100.00	98.32	100.00	-	-	+/- Benchmark	-0.03%	-0.80%	0.30%	-0.28%

#### **2065 Fund (USD)** Vanguard nce 09-30-2022 Target Retirement Standard Index Morningstar Mod Morningstar Category Index US Fund Target-Date **Morningstar Cat**

Performance 09-30-2022	-30-2022				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2020	-19.92	18.59	7.36	13.95	16.17
2021	4.55	6.61	-1.11	5.66	16.46
2022	-5.63	-14.20	-6.60		-24.38
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-20.10	3.38	4.36	I	4.95
Std 09-30-2022	-20.10		4.36	I	4.95
Total Return	-20.10	3.38	4.36		4.95
+/- Std Index	-1.90	2.24	1.42		I
+/- Cat Index	1.08	1.35	0.88		
% Rank Cat	24	띩	83		
No. in Cat	160	36	8		

The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year (if applicable) Morningstar metrics. Performance Disclosure 30-day SEC Yield 10-26-22

7-day Yield

Subsidized 2.59

Unsubsidized 2.39

20

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com.

	Fund Expenses
Š	Deferred Load %
K	Front-End Load %
	Sales Charges
	Fees and Expenses

Front-End Load % Deferred Load %			N N
Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
	36 funds	8 funds	1
Morningstar Rating™	3 <b>★</b>	I	

Fixed-Inco

Geo Avg Mkt Cap \$mil

nisk allu neturii Prolite			
	3 Yr 36 funds	5 Yr 8 funds	10 Yr
Morningstar Rating™	3 <b>★</b>		1
Morningstar Risk	-Avg	1	I
Morningstar Return	Avg	I	1
	3 Yr	5Yr	10 Yr
Standard Deviation	18.01	15.86	
Mean	3.38	4.36	
Sharpe Ratio	0.24	0.27	ı
MPT Statistics	Standard Index		Best Fit Index MSCI ACWI NR
			USD
Alpha	2.46		-0.25
Beta	1.36		0.93
R-Squared	98.78		99.65
12-Month Yield			2.24%
Potential Cap Gains Exp			13.18%
Operations			
Family: Va	Vanguard		

1					21	Ш			<u> </u>					-		
1	1				2012									1		02-24-2022
				1	2013											0.22
1	l	I		I	2014									1		
1	1				2015									T		
ı	ı				2016	Ш								ı		2065+
1	ı			21.70	2017	Ш			\					88		36 US FUIID TAIGET-DATE
25	0.75	-3.19	-7.95	19.61	2018									88		jer-nare
79	0.00	5.94	24.96	24.05	2019				}					89		
ස	3.28	3.35	16.17	27.50	2020				1					90		igt nisk
76	0.13	6.26	16.46	31.42	2021	Ш			<b>\</b>	<b>}</b>				86		igunisk in usu
ı	0.59	-3.47	-24.38	23.76	09-22				***************************************	<b>?</b>				85		
							<u>*</u>	Ş	101	· 20k	Ş	404		100k		JSD
% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		11,755	Standard Index	— Category Average	12,679	Vanguard Target Reti	Growth of \$10,000	Stocks %	Investment Style Equity	TR USD
					—     —     —     —     21.70     19.61     24.05     27.50     31.42     23.76       —     —     —     —     —     7.95     24.96     16.17     16.46     -24.38       —     —     —     —     —     -3.19     5.94     3.35     6.26     -3.47       —     —     —     —     —     0.75     0.00     3.28     0.13     0.59       —     —     —     —     25     79     63     76     —	2012         2013         2014         2015         2016         2017         2018         2019         2020         2021         09-22			2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22  2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22	2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 2021 09-22 2021	2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 Hist  2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 Hist  2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 Hist  2012 2013 2014 2015 2016 2017 18-61 24-05 27-50 31-42 23-76 NAN	2014 2015 2016 2017 2018 2019 2020 2021 2044 2015 2016 2017 2018 2019 2020 2021 09-22 His 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 09-22 His 2019 2020 2021 09-22 09-24 09-	20k — 10k —	2014   2015   2016   2017   2018   2019   2020   2021   09-22   History   104   10		## ## ## ## ## ## ## ## ## ## ## ## ##

Portfolio Analysis 09-30-2022	is 09-30-2022					
Asset Allocation %	Net %		Short %	Chg	Holdings:	Net Assets
Cash	2.97	5.04	2.07	since Amount	11,269 Total Stocks , 15,453 Total Fixed-Income,	%
US Stocks	52.11	52.11	0.00	·	3% I Ullowel haut	
Non-US Stocks	34.92	34.92	0.00	⊕ imu	TU mil Vanguard Total Stock Mkt Idx Insti	52.80
Bonds	9.86	9.86	0.00	⊕ 76 mil	76 mil Vanguard Total Intl Stock Index Inv	35.79
Other/Not Clsfd	0.14	0.14	0.00	⊕ 23 mil	23 mil Vanguard Total Bond Market II ldx	6.92
Total	100.00	102.08	2.08	① 4 mil	4 mil Vanguard Total Intl Bd II ldx Insl	3.17
Equity Style	Portfolio Statistics	Port Rel	Re	Sector Weightings	Stocks %	Rel Std Index
Value Blend Growth	P/F Ratio TTM	Avg Index 13.9 1.06	n oa	Դ Cyclical	35.5	0.90
эблед	P/C Ratio TTM			Basic Materials	ls 4.9	0.93
ρiM	P/B Ratio TTM			Consumer Cyclical	lical 11.3	1.05
S	a	53684 1.49		Financial Services	ices 15.7	0.97
·w	98:				)	0

lity Breakdown 09-30-2022	γω	Avg Wtd Price		Avg Eff Duration	Ext Avg Eff Maturity	me Style	
Bond % 56.71 9.99		I	2.30	6.84	8.90		
<ul><li>Healthcare</li><li>Utilities</li></ul>	_	Technology	_	Energy	Communic:	₩ Sensitive	

мор			1
Credit Quality Breakdown 09-30-2022	30-2022	Bond %	
AAA		56.71	
AA		9.99	
A		17.53	
BBB		15.21	
BB		0.00	
₩		0.00	
Below B		0.41	
NR		0.15	
Regional Exposure	Stocks %	Rel Std Index	
Americas	64.1	1.04	
Greater Europe	17.0	0.96	
Greater Asia	18.9	0.93	

	1	1						- 1		÷				: :					
	1	l	1		1	2015										E			
1	1	I				2016										E		2065+	コンコ おい
	1	ı			21.70	2017				\					00	8		ulu lait	and Tarr
16	25	0.75	-3.19	-7.95	19.61	2018									8	8 =		2065+	10+_0+0
17	79	0.00	5.94	24.96	24.05	2019				}					00	8 =			
53	ස	3.28	3.35	16.17	27.50	2020				1					2	3 [		- Gr IIIok	Tat Bisk
134	76	0.13	6.26	16.46	31.42	2021				}	<b>}</b>				e	g [		- Grinari	TR   CD
162	1	0.59	-3.47	-24.38	23.76	09-22		4	Ş	<b>3</b>	20k		40k	60k	100k	e [		TR USD	l ifatime N
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		11,755	- Standard Index	— Category Average 12 536	12,679	Vanguard Target Retirement 2065 Fund	Growth of \$10,000	Stocks %	Equity	Investment Style	TR USD	Mad 2060 2065

0.00	Э	2	Aguildagia Lorai III a acack III ack III a	CK IIIGCX III*	00.7
0.00	<b>⊕</b>	23 mil	Vanguard Total Bond Market II Idx	∕larket II ldx	6.92
2.08	1	4 mil	Vanguard Total Intl Bd II Idx Insl	ll ldx Insl	3.17
윤	Sector Weightings	htings		Stocks %	Rel Std Index
n Cat	∿ Cyclical	<u> </u>		35.5	0.90
0.99	🗻 Basic N	Basic Materials	S	4.9	0.93
0.98	Consur	Consumer Cyclical	ical	11.3	1.05
0.96	Financi	Financial Services	ces	15.7	0.97
		state		3.6	0.51
	₩ Sensitive	ive		41.2	1.13
8.90	<b>⊞</b> Commu	unication	Communication Services	6.8	1.16
6.84	Energy			5.1	0.95
2.30	Industrials	ials		10.8	0.98
	Technology	logy		18.4	1.30
	→ Defensive	sive		23.4	0.97
0	<b>□</b> Consur	Consumer Defensive	nsive	7.4	0.94
56 71	Healthcare	care		12.9	1.02
9.99	Utilities	S		3.1	0.84
17.53					
15.21					

Manager:

Multiple Vanguard

Ticker:

Incept: Type:

Purchase Constraints:

Base Currency:

ISIN:

Minimum Initial Purchase:

\$1,000 \ \ \ \ \ US92202E6804

Total Assets:

돆 07-12-2017

\$3,133.08 mil

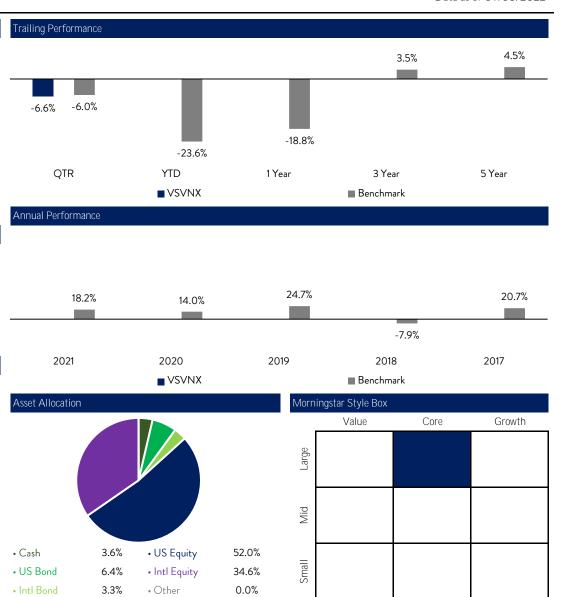
Asset Allocation 5.3 Years

Tenure: Objective:

Product Details	
Name	Vanguard Target Retirement 2070 Fund
Ticker	VSVNX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date 2065+
Benchmark	S&P Target Date 2065+ TR USD
Inception Date	6/28/2022
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	0.33 Years
Fund Size	\$31,902,929

Fund Characteristics	VSVNX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$53,926	-\$1,762
P/E Ratio (TTM)	13.91	-0.08
P/B Ratio (TTM)	2.10	-0.05
Est. Dividend Yield	2.85%	0.04%

Sector Allocations	VSVNX	Category	+/- Category
Materials	4.8%	4.7%	0.1%
Communication Services	6.8%	7.0%	-0.2%
Consumer Discretionary	11.3%	11.2%	0.1%
Consumer Staples	7.4%	7.1%	0.2%
Healthcare	12.9%	12.8%	0.1%
Industrials	10.8%	10.7%	0.2%
Real Estate	3.6%	4.4%	-0.8%
Technology	18.5%	18.7%	-0.3%
Energy	5.1%	5.1%	0.0%
Financial Services	15.7%	15.3%	0.4%
Utilities	3.1%	3.0%	0.1%
Other	0.0%	0.0%	0.0%



#### Vanguard Target Retirement 2070 Fund VSVNX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VSVNX	-6.57%	-	-	-	-	-	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	-6.04%	-23.61%	-18.84%	3.52%	4.50%	-	• VSVNX	-6.57%	-	-	-
+/- Benchmark	-0.52%	-	-	-	-	-	• Benchmark	-6.04%	-14.44%	-4.98%	6.25%
Peer Group Rank	49	-	-	-	-	-	+/- Benchmark	-0.52%	-	-	-
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VSVNX	-	-	-	-	-	-	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	18.17%	13.99%	24.73%	-7.95%	20.75%	-	• VSVNX	-	-	-	-
+/- Benchmark	-	-	-	-	-	-	• Benchmark	-0.80%	6.16%	5.61%	14.56%
Peer Group Rank	-	-	-	-	-	-	+/- Benchmark	-	-	-	-
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VSVNX	-	-	-	-	-	-	• VSVNX	-	-	-	-
• Benchmark	4.50%	6.75%	10.91%	13.30%	12.47%	13.62%	• Benchmark	6.61%	17.93%	-20.86%	7.81%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-	-	-	-
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VSVNX	-	-	-	-
Alpha	-	0.00	-	0.00	-	-	<ul> <li>Benchmark</li> </ul>	0.45%	3.37%	11.42%	-12.22%
Beta	-	1.00	-	1.00	-	-	+/- Benchmark	-	-	-	-
Standard Deviation	-	18.33	-	16.14	-	-					
Sharpe Ratio	-	0.24	-	0.28	-	-	5-Year Quarterly				
Information Ratio	-	-	-	-	-	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-	2.88	-	3.30	-	-	• VSVNX	-	-	-	-
Upside Capture Ratio	-	100.00	-	100.00	-	-	Benchmark	3.97%	1.77%	-0.90%	5.47%
Downside Capture Ratio	-	100.00	-	100.00	-	-	+/- Benchmark	-	-	-	-

# (USD) Vanguard Target Retirement 2070 Fund

Tgt Risk TR USD Morningstar Mod Standard Index

Lifetime Mod 2060 Morningstar Category Index

2065+

**US Fund Target-Date** Morningstar Cat

Unsubsidized Total % -7.50 -7.50 -7.50 2011 2012 2013 2015 2016 2017 2018 2019 2020 2021 09-22 18.50 87 TR USD 10 20 60k 60k 100 4 NAV/Price History Equity Stocks % +/- Category Index Total Return % Growth of \$10,000 +/- Standard Index Investment Style Performance Quartile (within category) 9,358 Standard Index 9,408 Category Average Vanguard Target Retirement 2070 Fund

Operations Family: Manager: Tenure: Objective:	The performance data quoted does not guarantee future resprincipal value of an investme shares, when sold or redeeme their original cost.  Current performance may be a quoted herein. For performance month-end, please call 800-86  Fees and Expenses  Sales Charges Front-End Load %  Deferred Load %  Pund Expense Ratio %  12b1 Expense Ratio %  12b1 Expense Ratio %  Gross Expense Ratio %  Gross Expense Ratio %  Risk and Return Profile  Morningstar Rating IM  Morningstar Return  Standard Deviation  Mean  Standard Deviation
Vanguard Multiple 0.3 Year Asset Allocation	quoted represents past ture results. The investr westment will fluctuate; edeemed, may be worth ormance data current to 1800-682-7447 or visit v  Ses  rofile  3 Yr 36 funds  1 3 Yr 3 Yr 3 Standard Index  SEXP
	performance and performance and thus an investor's more or less than an return data the most recent www.vanguard.com.  S Yr 10 Yr 8 funds
Base Currency: Ticker: ISIN: Minimum Initial Purchase:	Asset Allocation % PC Cash US Stocks Non-US Stocks Stocks Stocks Other/Not Clsfd  Equity Style  Portfolio Statis  P/C Ratio TTN
USD VSVNX US92202E6648 \$1,000	% Long % 23 3.65 22 3.65 35.36 35.36 35.36 35.36 36.14 0.14 0.12 43 00 102.43 00 102.43 00 10.5 1.00 10.5
	Short % 2.42 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Purchase Constraints: Incept: Type: Total Assets:	Share Chg Share Holdings: since Amount 11,269 Tota 08-2022 — Turnover 104,990 Vanguard 1782,743 Vanguard 241,720 Vanguard 241,720 Vanguard 241,720 Vanguard Sector Weightings 4 Cyclical 25 Consumer Cyclical 26 Financial Services 27 Real Estate 28 Real Estate 29 Fonsumer Operation Services 20 Industrials 20 Industrials 20 Industrials 21 Technology 22 Industrials 23 Industrials 24 Healthcare 25 Utilities
ints:	Holdings: 11,269 Total Stocks , 15,435 — Turnover Ratio Vanguard Total Stock Nonguard Total Intl Stock Nonguard Total Intl Stock Nonguard Total Intl Bond Nonguard Intl B
— 06-28-2022 MF \$31.90 mil	Holdings: 11,269 Total Stocks, 15,435 Total Fixed-Income, — Turnover Ratio Vanguard Total Stock Mkt Idx Inst! Vanguard Total Intl Stock Index Inv Vanguard Total Intl Stock Index II Idx Vanguard Total Intl Bd II Idx Ins!  Stocks % 35,4 8 4.8 6.8 11.3 28.8 5.1 10.8 18.5 23,4 msive 7,4 12.9 3.1
	Net Assets % 54.13 36.23 7.06 3.02 Rel Std Index 0.90 0.93 1.05 1.13 1.16 0.95 0.98 1.31 0.97 0.94 1.02

does not guarantee future results. The inv The performance data quoted represents p (if applicable) Morningstar metrics. The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year

No. of Funds in Cat % Rank Cat Performance Disclosure 30-day SEC Yield

7-day Yield

Subsidized

No. in Cat % Rank Cat +/- Cat Index +/- Std Index

Total Return Std 09-30-2022 Load-adj Mthly Trailing Returns 2022 2021 2020 Quarterly Returns

1

3 Υ

10 Yr

-6.57 5 Yr

Performance 09-30-2022

1st Otr

2nd Otr

3rd Qtr

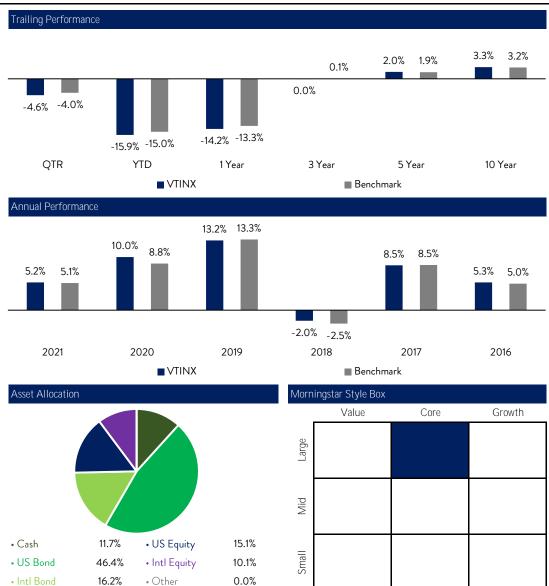
4th Otr

#### Vanguard Target Retirement Income Fund VTINX

Product Details	
Name	Vanguard Target Retirement Income Fund
Ticker	VTINX
Expense Ratio	0.080%
Morningstar Category	US Fund Target-Date Retirement
Benchmark	S&P Target Date Retirement Income TR USD
Inception Date	10/27/2003
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	9.67 Years
Fund Size	\$36,518,218,140

Fund Characteristics	VTINX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$53,654	-\$1,203
P/E Ratio (TTM)	13.89	-0.11
P/B Ratio (TTM)	2.09	0.00
Est. Dividend Yield	2.86%	-0.16%

Sector Allocations	VTINX	Category	+/- Category
Materials	4.9%	4.2%	0.7%
Communication Services	6.8%	6.6%	0.2%
Consumer Discretionary	11.3%	10.2%	1.0%
Consumer Staples	7.4%	6.9%	0.5%
Healthcare	12.9%	12.4%	0.5%
Industrials	10.8%	9.9%	1.0%
Real Estate	3.6%	8.8%	-5.1%
Technology	18.4%	18.0%	0.4%
Energy	5.1%	5.0%	0.1%
Financial Services	15.7%	14.9%	0.9%
Utilities	3.1%	3.3%	-0.2%
Other	0.0%	0.0%	0.0%



Trailing Darformanas	OTD.	VID -	1 Voor	2 Voor	E Voor	10 Voor	5.77				
Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly	2022	2022	1000	4001
• VTINX	-4.64%	-15.89%	-14.19%	-0.02%	1.96%	3.31%	Performance	3Q22	2Q22	1022	4Q21
• Benchmark	-3.97%	-15.00%	-13.31%	0.06%	1.88%	3.23%	• VTINX	-4.64%	-7.37%	-4.77%	2.01%
+/- Benchmark	-0.67%	-0.89%	-0.88%	-0.08%	0.08%	0.08%	• Benchmark	-3.97%	-7.29%	-4.52%	1.99%
Peer Group Rank	51	45	45	25	23	28	+/- Benchmark	-0.67%	-0.09%	-0.25%	0.03%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VTINX	5.25%	10.02%	13.16%	-1.99%	8.47%	5.25%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	5.11%	8.81%	13.33%	-2.54%	8.54%	5.01%	• VTINX	-0.13%	3.23%	0.08%	5.15%
+/- Benchmark	0.14%	1.21%	-0.17%	0.55%	-0.07%	0.24%	• Benchmark	-0.03%	3.06%	0.03%	4.93%
Peer Group Rank	63	30	48	18	52	31	+/- Benchmark	-0.11%	0.17%	0.04%	0.22%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VTINX	1.96%	3.34%	5.30%	6.85%	6.22%	6.65%	• VTINX	3.12%	7.84%	-5.91%	2.60%
• Benchmark	1.88%	3.13%	5.08%	6.52%	5.94%	6.29%	Benchmark	2.73%	8.18%	-6.69%	3.05%
+/- Benchmark	0.08%	0.21%	0.23%	0.34%	0.28%	0.36%	+/- Benchmark	0.39%	-0.34%	0.77%	-0.45%
Peer Group Rank	23	29	42	49	45	46					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTINX	1.52%	2.97%	5.50%	-3.20%
Alpha	-0.07	0.00	0.09	0.00	0.09	0.00	• Benchmark	1.32%	2.82%	5.57%	-3.92%
Beta	1.01	1.00	0.99	1.00	0.99	1.00	+/- Benchmark	0.21%	0.15%	-0.07%	0.72%
Standard Deviation	8.10	7.96	6.82	6.82	5.40	5.40					
Sharpe Ratio	-0.04	-0.03	0.14	0.13	0.50	0.48	5-Year Quarterly				
Information Ratio	-0.10	-	0.10	-	0.13	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-0.65	-0.57	0.77	0.69	2.62	2.52	• VTINX	1.33%	0.43%	-0.50%	2.03%
Upside Capture Ratio	101.67	100.00	99.14	100.00	99.48	100.00	Benchmark	1.55%	0.70%	-0.80%	2.24%
Downside Capture Ratio	102.44	100.00	97.98	100.00	97.77	100.00	+/- Benchmark	-0.22%	-0.27%	0.30%	-0.20%
1 2 2 2 2											

To see a de us-ou-2022	Morningstar Analyst Rating	ı™ Overall Morningstar Rating™	Standard Index	Category Index	Morningstar Cat
vanyuaru Talyet netheliteti	Cilvor	***	Morningstar Mod	ıstar	US Fund Target-Da
ncome Fund (USD) 02-24-2022 144 US Fund Target-Date Tgt Risk TR USD Lifetime	02-24-2022	144 US Fund Target-Date	Tgt Risk TR USD	Lifetime Mod Incm Retirement	Retirement
		Retirement		TR USD	
				nvestment Style	rt Ctulo

Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Qtr	Total %
2020	-5.91	7.84	3.12	5.15	10.02
2021	0.08	3.23	-0.13	2.01	5.25
2022	-4.77	-7.37	-4.64		-15.89
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	-14.19	-0.02	1.96	3.31	4.43
Std 09-30-2022	-14.19	1	1.96	3.31	4.43
Total Return	-14.19	-0.02	1.96	3.31	4.43
+/- Std Index	4.01	-1.16	-0.98	-1.85	
+/- Cat Index	0.08	-0.87	-0.45	-0.03	
% Rank Cat	49	ω	27	36	
No. in Cat	160	144	121	80	
		Sı	Subsidized	Unsı	Unsubsidized

Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 10-26-22 7-day Yield 2.55 2.76

The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than their original cost.

(if applicable) Morningstar metrics.

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-662-7447 or visit www.vanguard.com

Fees and Expenses	
Sales Charges	
Front-End Load %	AN
Deferred Load %	NA

Deterred Load %			NA
Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
<b>Risk and Return Profile</b>			
	3 Yr	5 Yr	10 Yr
	144 funds	121 funds	80 funds
Morningstar Rating <sup>™</sup>	<b>4★</b>	<b>4★</b>	4⊁
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	+Avg	+Avg	Avg
	3 Yr	5 Yr	10 Yr

12b1 Expense %			NA
Net Expense Ratio %			0.08
Gross Expense Ratio %			0.08
<b>Risk and Return Profile</b>			
	3 Yr	5Yr	10 Yr
	144 funds	121 funds	80 funds
Morningstar Rating™	<b>4★</b>	<b>4</b>	4*
Morningstar Risk	Avg	Avg	Avg
Morningstar Return	+Avg	+Avg	Avg
	3 Yr	5Yr	10 Yr
Standard Deviation	8.10	6.82	5.40
Mean	-0.02	1.96	3.31
Sharpe Ratio	-0.04	0.14	0.50
MPT Statistics	Standard Index	≤	Best Fit Index Morningstar US
		Mod Cor	Mod Con Tgt Alloc
Alpha	-1.15	15	-0.61
Beta	0.60	90	0.83
R-Squared	94.81	81	98.82
12-Month Yield			2.97%
Potential Cap Gains Exp			27.65%
Operations			
Family: Var	Vanguard		
	-		

								:	1		:		:	: :	:		
260	9	1.12	4.66	5.25	11.53	2011									ę	3	_
281	67	-0.56	-3.82	8.23	12.19	2012				1					6		02.24.2022
293	56	-0.58	-8.44	5.87	12.50	2013									00	3	022
272	19	1.45	0.65	5.54	12.91	2014									00	3	-
172	7	1.12	1.62	-0.17	12.45	2015				Į					50	3	-
171	41	-0.73	-3.32	5.25	12.81	2016									000	3	Retirement
175	62	-0.07	-6.18	8.47	13.55	2017									6/		Retirement
187	21	0.21	2.77	-1.99	12.75	2018									9	3	
183	49	-0.11	-5.87	13.16	14.05	2019					\				6/		
168	36	-0.54	-2.80	10.02	14.93	2020				1					g	3	
167	65	-2.37	-4.94	5.25	14.46	2021									64		
161	1	0.60	5.03	-15.89	12.00	09-22				1	<b>\</b>				2	3	TR USD
								<u>:</u> <del>\$</del>	10k		20k	ģ			<u></u>		SD
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		18,413	— Standard Index	— Category Average	Income Fund 15,669	Vanguard Target Retirement	Growth of \$10,000	Bond %	Investment Style Fixed-Income	TR USD
	1												_				

Portfolio Analysis 09-30-2022	09-30-2022					
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings
Cash	2.38	12.86		since	Amount	10,108 To
US Stocks	16.68	16.68		7207-90	;	b% lume
Non-US Stocks	11.20	11.20		①	1,458 mil	Vangua
Bonds	69.14	69.16		1	263 mil	Vangua
Other/Not Clsfd	0.60	0.60		<b>⊕</b>	38 mil	Vangua
Total	100.00	110.50	10.50	1	232 mil	Vangua
				<b>①</b>	285 mil	Vangua
Equity Style	Portfolio Statistics	Port	Rel Rel			
Value Blend Growth	P/E Ratio TTM		1.06 0.99	요	ightings	
əbie	P/C Ratio TTM			•	cal	
biM	P/B Ratio TTM	2.1	1.09 1.00	_	Basic Materials	S
JS	Avg Mkt Cap	53654	1.49 0.98	<b>♪</b> Cons	Consumer Cyclical	lical
llerr	\$mil			Finar	Financial Services	ices
				<b>₽</b> Real	Real Estate	
Ind Med Ext	Avg Eff Maturity		7.32	✓ Sensitive	itive	
	Avg Eff Duration		5.76	_	Communication Servic	n Servic
1 4	Avg Wtd Coupon		1.84	Energy	yγ	
palv	Avg Wtd Price		89.69	indus	Industrials	
мод				_	Technology	
Cradit Ouglitu Brooks	00 20 2022		D 000 0/	→ Defe	Defensive	
AAA	100-30-2022		67 70	Cons	Consumer Defensive	ensive
AA			7.37	<b></b> Heal	Healthcare	
A S			13.09	Utilities	ies	

Fixed-Income Style	声	me S1	¥.		
E	Mod	g		Avg Eff Maturity	7.32
			Э!Н	Avg Eff Duration	5.76
			ųt	Avg Wtd Coupon	1.84
			baM	Avg Wtd Price	89.69
			мот		
Credi	Cual	lity B	reak	Credit Quality Breakdown 09-30-2022	Bond %
AAA					67.70
A					7.37
⊳					13.09
888					11.43
88					0.00
₿					0.00

o 100 <b>% Cyclical</b>	Cat Sector Weightings	Share Chg since 08-2022	
	ings	Share Amount 458 mil 263 mil 38 mil 38 mil 232 mil 285 mil	
35.5	Stocks %	Share Holdings: Amount 10,108 Total Stocks , 18,875 Total Fixed-Income, 6% Tumover Ratio 6% Tumover Ratio 10,108 Total Bond Market II Idx 263 mil Vanguard Total Bond Market II Idx 263 mil Vanguard Total Stock Mkt Idx Instlusional Vanguard Total Intl Bd II Idx Instlusional Vanguard Total Intl Bd II Idx Instlusional Vanguard Total Intl Stock Index Inv	
0.90	Rel Std Index	Net Assets % 37.05 17.06 16.90 16.25 11.47	

tor Weightings	Stocks %	Rel Std Index
Cyclical	35.5	0.90
Basic Materials	4.9	0.93
Consumer Cyclical	11.3	1.05
Financial Services	15.7	0.97
Real Estate	3.6	0.51
Sensitive	41.2	1.13
Communication Services	6.8	1.16
Energy	5.1	0.95
Industrials	10.8	0.98
Technology	18.4	1.30
Defensive	23.4	0.97
Consumer Defensive	7.4	0.94
Healthcare	12.9	1.02
Utilities	3.1	0.84

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$1,000	US92202E1029	VTINX	USD
Total Assets:	Type:	Incept:	Purchase Constraints:
\$36,518.22 mil	MF	10-27-2003	

Objective: Manager:

Asset Allocation

Tenure:

Multiple 9.7 Years Vanguard

Greater Europe Greater Asia

64.1 17.0 18.9

1.04 0.96 0.93

Americas Regional Exposure

Stocks %

Rel Std Index

0.30 0.12

Below B NR

124

on the financial strength and claims-paying ability of VRIAC, which is solely responsible for all obligations under its commitments. All guarantees are based Company's in surance and annuity general account which supports all of the Fixed Account is an obligation of VRIAC's ("VRIAC" or the "Company"). The Voya Insurance and Annuity Company contract issued by Voya Retirement The Voya Fixed Account is available through a group annuity or other type of

# Asset Class: Stability of Principal

## Important Information

read them carefully before investing. contract prospectus summary or conjunction with your contract prospectus, This information booklet, as applicable. Please should be read in

# Voya Retirement Insurance and

## Annuity Company

One Orange Way Windsor, CT 06095-4774 www.voyaretirementplans.com

rates. Voya Fixed Account receive the same credited rate. This is known as a portfolio method of interest rate crediting. amounts invested by your plan in the increases through compound interest. All part of principal and the investment that exceeds the guaranteed minimum rates of interest and may credit interest Voya Fixed Account guarantees minimum objective of this investment option. The Investment Objective
Stability of principal is the primary Daily credited in terest becomes

volatility in new money interest rates have not varied significantly from month to month despite the general market's credited interest rates which historically (as defined below) are offered. These restrictions help VRIAC to provide stable Account if Competing Investment Options withdrawals involving the Voya Fixed impose restrictions on transfers and supporting it are invested by VRIAC with this goal in mind. Therefore, VRIAC may seeking stability of principal. The assets a long-term investment for participants Key Features
The Voya Fixed Account is intended to be

## Voya Fixed Account on Transfers from the

will be subject the equity wash restrictions shown below. Transfers from the Voya Fixed Account

### Transfers Equity Wash Restrictions on

are allowed at any time, subject to the following provisions: Transfers between investment options

- (a) A transfer from the Voya Fixed Competing Investment Option; Fixed Account cannot be made to Direct tran sfers from the Voya a
- 9 within 90 days; under the contract cannot be made In vestment Option has taken place if a transfer to a Competing Account to other investment options
- <u>O</u> has taken place within 90 days; and non-Competing Investment Option if a non-benefit with drawal from a A transfer from the Voya Fixed under the contract cannot be made Account to other investment options
- <u>a</u> days. Account has taken place within 90 if a transfer from the Voya Fixed Investment Option cannot be made Investment Option to a Competing A transfer from a non-Competing

Competing Investment Option
As used throughout this document, a
Competing Investment Option is defined (a) as any investment option that: Provides a direct or indirect

- **6** ls, or may be, invested primarily in investment performance guarantee;
- preferred stock; assets other than common or
- <u>C</u> assets other than common or preferred stock; contracts) which are invested in funds, trusts or insurance company financial vehicles (such as mutual ls, or may be, in vested primarily in
- <u>a</u> additional investment under the available by the Contract Holder by the Company and made Is available through an account pian (as defined in the contract) as an with a brokerage firm designated
- (e) arran gement; ls a self-directed brokerage
- $\ni$ by the Company; or as reasonably determined characteristics to the above ls any fund with similar
- **(9**) duration of less than three Is any fund with a targeted years (e.g. mon ey market

plan, please contact the Customer Contact Center at (800) 584-6001. Competing Investment Options in your For more information regarding

# Requests for Full Withdrawals

more information. to you as a benefit payment. For contracts with a withdrawal fee schedule, the would not apply to any distribution made amount paid out over a period of 60 a Market Value Adjustment ("MVA") may be applied to the Voya Fixed Account transfer to another carrier within the plan, or if you surrender your account to or disdosure booklet, as applicable, for prospectus, contract prospectus summary fee. Please refer to your contract withdrawal may be subject to a withdrawal months, with interest paid). This MVA Holder may elect to have the surrendered portion of your account (or the Contract If the contract is surrendered completely

## Interest Rate Structure

of compounding into account, the interest floor rate and the GMIR are expressed as applies for the life of the contract. The never be lower than the GMIR that period - currently one calendar year. The guaranteed minimum floor rate may at least monthly, and a guaranteed interest rates: a current rate, determined contract, as well as featuring two declared principal and a guaranteed minimum then current credited rate. credited to your account daily yields the annual effective yields. Taking the effect current rate, the guaranteed minimum change after a defined period, but it will min imum floor rate declared for a defined interest rate ("GMIR") for the life of the The Voya Fixed Account guarantees

assumes the risk of investment gain or the annuity payout period, if applicable accumulation period and also throughout minimum interest rate during the you allocate to this option and promising a loss by guaranteeing the principal amount invested assets. Under this option, VRIAC and/or losses realized on the sale of the amortization of any capital gains income earned on invested assets and interest rate guarantees, the investment may in dude mortality and expense risks, rates reflects a number of factors, which VRIAC's determination of credited interest

us prior to the last day of the three-month period measured from the first day of the minimum floor rate and may be changed higher than the GMIR/guaranteed Currently, the guaranteed minimum floor rate equals the GMIR. The current rate to following a rate change initiated solely by apply a decrease to the current rate at any time, except that VRIAC will not be credited under a contract may be ರ

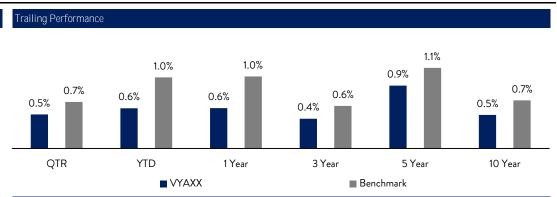
month in which such change was effective. The current rate for a plan's initial investment in the Voya Fixed Account may be in effect for less than a full three-month period.

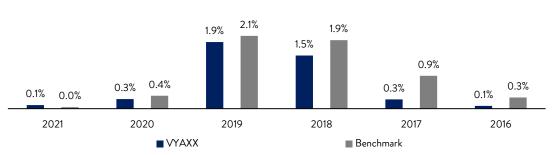
Any insurance products, annuities and funding agreements that you may have purchased are issued by Voya Retirement Insurance and Annuity Company ("VRIAC"). VRIAC is solely responsible for meeting its obligations. Plan administrative services provided by VRIAC or Voya Institutional Plan Services, LLC ("VIPS"). Neither VRIAC nor VIPS engage in the sale or solicitation of securities. If custodial or trust agreements are part of this arrangement, they may be provided by Voya Institutional Trust Company. All companies are members of the Voya® family of companies. Securities distributed by Voya Financial Parthers, LLC (member SIPC) or other broker-dealers with which it has a selling agreement. All products or services may not be available in all states.

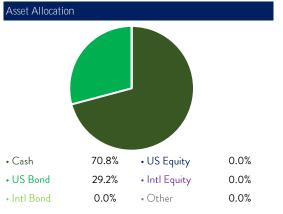
Product Details	
Name	Voya Government Money Market A
Ticker	VYAXX
Expense Ratio	0.400%
Morningstar Category	US Fund Money Market - Taxable
Benchmark	USTREAS Stat US T-Bill 90 Day TR
Inception Date	4/15/1994
Longest Tenured Manager	David S. Yealy
Longest Manager Tenure	17.92 Years
Fund Size	\$231,963,525

Fund Characteristics	VYAXX	+/- Category
% Assets in Top 10 Holdings	100.00%	94.41%
Average Eff Duration	-	-
Average Eff Maturity	-	-
Average Credit Quality	-	AAA (Cat Avg.)
Average Coupon	-	-

Sector Allocations	VYAXX	Category	+/- Category
Government	29.2%	17.1%	12.0%
Municipal	0.0%	0.3%	-0.3%
Bank Loan	0.0%	0.0%	0.0%
Convertible	0.0%	0.2%	-0.2%
Corporate Bond	0.0%	6.4%	-6.4%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	0.0%	0.0%	0.0%
Non-Agency RMBS	0.0%	0.0%	0.0%
Commercial MBS	0.0%	0.0%	0.0%
Asset-Backed	0.0%	0.0%	0.0%
Cash & Equivalents	70.8%	76.0%	-5.1%
Other	0.0%	0.0%	0.0%









Annual Performance

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VYAXX	0.48%	0.57%	0.57%	0.42%	0.89%	0.47%	Performance	3Q22	2Q22	1Q22	4Q21
• Benchmark	0.66%	1.01%	1.02%	0.60%	1.14%	0.68%	• VYAXX	0.48%	0.09%	0.00%	0.00%
+/- Benchmark	-0.18%	-0.44%	-0.45%	-0.18%	-0.25%	-0.21%	• Benchmark	0.66%	0.27%	0.08%	0.01%
Peer Group Rank	19	39	38	39	44	46	+/- Benchmark	-0.18%	-0.18%	-0.08%	-0.01%
Annual Performance	2021	2020	2019	2018	2017	2016	5-Year Quarterly				
• VYAXX	0.10%	0.27%	1.88%	1.51%	0.26%	0.08%	Performance	3Q21	2Q21	1Q21	4Q20
• Benchmark	0.04%	0.36%	2.06%	1.94%	0.93%	0.32%	• VYAXX	0.08%	0.00%	0.01%	0.00%
+/- Benchmark	0.06%	-0.09%	-0.18%	-0.43%	-0.67%	-0.24%	• Benchmark	0.01%	0.01%	0.01%	0.02%
Peer Group Rank	2	54	46	46	79	39	+/- Benchmark	0.07%	0.00%	0.00%	-0.02%
	10/2017 -	07/2017 -	04/2017 -	01/2017 -	10/2016 -	07/2016 -	5-Year Quarterly				
Rolling 5-Year Performance	09/2022	06/2022	03/2022	12/2021	09/2021	06/2021	Performance	3Q20	2Q20	1Q20	4Q19
• VYAXX	0.89%	0.81%	0.80%	0.80%	0.80%	0.80%	• VYAXX	0.00%	0.02%	0.25%	0.32%
• Benchmark	1.14%	1.06%	1.05%	1.06%	1.08%	1.10%	• Benchmark	0.03%	0.04%	0.28%	0.39%
+/- Benchmark	-0.25%	-0.25%	-0.25%	-0.26%	-0.28%	-0.29%	+/- Benchmark	-0.03%	-0.02%	-0.03%	-0.07%
Peer Group Rank	44	48	51	52	52	52					
							5-Year Quarterly				
Risk Statistics	3,	Year	5`	Year	10	Year	Performance	3Q19	2Q19	1Q19	4Q18
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VYAXX	0.50%	0.53%	0.52%	0.47%
Alpha	-0.03	0.00	-0.07	0.00	-0.09	0.00	<ul> <li>Benchmark</li> </ul>	0.49%	0.57%	0.59%	0.57%
Beta	5.56	1.00	4.36	1.00	4.49	1.00	+/- Benchmark	0.01%	-0.04%	-0.07%	-0.10%
Standard Deviation	0.19	0.24	0.24	0.28	0.21	0.24					
Sharpe Ratio	-2.09	-2.51	-3.25	-4.15	-2.72	-2.75	5-Year Quarterly				
Information Ratio	-1.94	-	-2.93	-	-2.55	-	Performance	3Q18	2Q18	1Q18	4Q17
Treynor Ratio	-0.04	-0.03	-0.07	-0.05	-0.05	-0.03	• VYAXX	0.40%	0.35%	0.27%	0.13%
Upside Capture Ratio	70.20	100.00	78.09	100.00	69.76	100.00	• Benchmark	0.51%	0.46%	0.39%	0.30%
Downside Capture Ratio	-	-	-	-	-	-	+/- Benchmark	-0.10%	-0.11%	-0.12%	-0.17%

# Standardized and Tax Adjusted Returns Disclosure Statement

data quoted herein. For performance data current to the most recent month-end please visit http://advisor.morningstar.com/familyinfo.asp. fluctuate; thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will

reflect sales charges and ongoing fund expenses. Standardized Returns assume reinvestment of dividends and capital gains. They depict performance without adjusting for the effects of taxation, but are adjusted to

and sales charges. The maximum redemption fee is the maximum amount a fund may charge if redeemed in a specific time period after the fund's purchase M&E risk charges, fund-level expenses such as management fees and operating fees, contract-level administration fees, and charges such as surrender, contract If adjusted for taxation, the performance quoted would be significantly reduced. For variable annuities, additional expenses will be taken into account, including

certain tax credits. Any taxes due are as of the time the distributions are made, and the taxable amount and tax character of each distribution are as specified by shares through tax-deferred arrangements such as 401(k) plans or an IRA. After-tax returns exclude the effects of either the alternative minimum tax or phase-out of tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their fund returns for exchange-traded funds are based on net asset value. the fund on the dividend declaration date. Due to foreign tax credits or realized capital losses, after-tax returns may be greater than before-tax returns. After-tax After-tax returns are calculated using the highest individual federal marginal income tax rates, and do not reflect the impact of state and local taxes. Actual after

# **Money Market Fund Disclosures**

it to the applicable disclosure below: If money market fund(s) are included in the Standardized Returns table below, each money market fund's name will be followed by a superscripted letter that links

# Institutional Money Market Funds (designated by an "S"):

what you originally paid for them. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity expect that the sponsor will provide financial support to the fund at any time Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit You could lose money by investing in the fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than

# Government Money Market Funds that have chosen to rely on the ability to impose liquidity fees and suspend redemptions (designated by an "L" )

# Retail Money Market Funds (designated by an "L"):

so. The fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the fund's liquidity falls below required minimums financial support to the fund at any time. government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do

# Government Money Market Funds that have chosen not to rely on the ability to impose liquidity fees and suspend redemptions (designated by an

legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time. so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no You could lose money by investing in the fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do

Annualized returns 09-30-2022												
Standardized Returns (%)	7-day Yield 7-day Yield Subsidized Unsubsidized as of date as of date	ield zed <i>late</i>	1Yr	5Yr	10Yr	Since Inception	Inception I Date	Inception Max Front Max Back Date Load % Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Max Ratio % Redemption %	Max mption %
Baron Growth Instl			-26.12	9.81	11.31	13.10 05-29-200	29-2009	NA	NA	1.03	1.03	A
Fidelity® 500 Index			-15.49	9.23	11.69	11.13 05-04-201	04-2011	NA	NA	0.02	0.02	NA
Fidelity® Interm Trs Bd Index			-13.71			-0.21 10-04-201	04-2017	NA	NA	0.03	0.03	NA
Fidelity® Mid Cap Index			-19.38	6.48	10.29	10.99 09-08-201	08-2011	NA	NA	0.03	0.03	N
Fidelity® Small Cap Index	1		-23.39	3.65	8.71	9.83 09-08-201	08-2011	NA	NA	0.03	0.03	NA
Fidelity® Total International Index	1		-25.59	-0.83	1	2.55 06-07-2016	07-2016	NA	NA	0.06	0.06	NA
Fidelity® US Bond Index			-14.57	-0.28	0.85	1.60 05-04-201	04-2011	NA	NA	0.03	0.03	NA

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Annualized returns 09-30-2022												
Standardized Returns (%)	7-day Yield 7-day Yield Subsidized Unsubsidized as of date as of date	lay Yield Ibsidized s of date	1Yr	5Yr	10Yr	Since Inception	Inception Max Front Max Back Date Load % Load %	Max Front Load %	Max Back Load %	Net Exp Ratio %	Gross Exp Max Ratio % Redemption %	Max emption %
Hartford Core Equity R6	I		-16.18	9.78		9.50	03-31-2015	N A	N A	0.36	0.36	N A
Hartford Schroders US Small Cap Opps SDR			-19.03 -25.34	4.30		7.80 1.35	09-28-2015	N N	N N	0.95 <sup>1</sup>	0.99	Z Z
Sterling Capital Total Return Bond R6	ı	1	-14.72	1	1	0.41	02-01-2018	NA	NA	0.353	0.46	Z
Vanguard Target Retirement 2020 Fund			-15.83	2.91	5.46	5.30	06-07-2006	NA	NA	0.08	0.08	N
Vanguard Target Retirement 2025 Fund	I		-17.53	3.15	5.96	5.88	10-27-2003	NA	NA	0.08	0.08	NA
Vanguard Target Retirement 2030 Fund Vanguard Target Retirement 2035 Fund			-18.42 -18.87	3.43	6.46 6.99	5.69 6.52	06-07-2006 10-27-2003	N N	Z Z	0.08	0.08	Z Z
Vanguard Target Retirement 2010 Fund	1	l	-19 //2	A 11	7 40	6 18 E	06-07-2006	Z ;	Z ;	0.08	o 9	Z ;
Vanguard Target Retirement 2045 Fund			-19.93	4.42	7.61	7.02	10-27-2003	N S	N S	0.08	0.08	N S
Vanguard Target Retirement 2050 Fund			-20.18	4.39	7.60	6.33	06-07-2006	NA	NA	0.08	0.08	NA
Vanguard Target Retirement 2055 Fund	I		-20.17	4.38	7.58	8.37	08-18-2010	S S	Z Z	0.08	0.08	3 Z
vanguaru Talget netrement 2000 Tunu		١	-20.10	4. 6	7.00		01-13-2012	. 5	: 3	0.00	0.00	
Vanguard Target Retirement 2065 Fund Vanguard Target Retirement 2070 Fund			-20.10 —	4.36		4.95 -7.50	07-12-2017 06-28-2022	8 8	Z Z A A	0.08	0.08	N N
Vanguard Target Retirement Income Fund			-14.19	1.96	3.31	4.43		NA :	NA	0.08	0.08	NA :
Bloomberg US Agg Bond TR USD			-14.60	-0.27	0.89	1	01-03-1980					
Bloomberg US Universal TR USD			-12.81 -14.92	-0.20 -0.18	0.53 1.17	 	01-03-1989 12-31-1998					
Morningstar GbI Allocation TR USD			-20.42	2.12	<b>.</b>	ı	06-18-2013					
Morningstal lifetime Mod 2025 TB HCD			10.00	3 1	7 F		02-10-2002					
Morningstar Lifetime Mod 2030 TR USD			-20.52	2.92	5.89	I	02-18-2009					
Morningstar Lifetime Mod 2035 TR USD			-20.74	3.27	6.46	ı	02-18-2009					
Morningstar Lifetime Mod 2045 TR USD  Morningstar Lifetime Mod 2045 TR USD			-20. <i>7</i> 8	3.56 3.68	6.89	 	02-18-2009					
Morningstar Lifetime Mod 2050 TR USD			-20.91	3.67	6.85		02-18-2009					
Morningstar Lifetime Mod 2060 TR USD			-21.18	3.49		I	06-23-2014					
Morningstar Lifetime Mod Incm TR			-14.27	2.41	3.35	ı	02-18-2009					
Morningstar Mod Tgt Risk TR USD			-18.20	2.95	5.17	I	02-18-2009					
Morningstar US Core Bd TR USD			-14.54 -26.35		I I		05-01-2019 12-21-2020					
Morningstar US Mod Con Tgt Alloc NR			-15.50	I	I	I	06-30-2020					
Morningstar US Sml Ext TR USD			-22.77	I	I	I	12-21-2020					
MSCI ACWI EX USA NR USD			-25.17	0.81	3.01	1	01-01-2001					
MSCI FAFF NR HSD			-25.00 -25.13	± 4 ± 28	3.67		03-31-1986					
Russell 1000 TR USD			-17.22	9.00	11.60		12-31-1978					
Russell 2000 TR USD			-23.50	3.55 7.63	8.55 8.55		12-31-1978 02-01-1995					
Russell Mid Can TR USD			-19.39	6.48	10.30	ı	12-31-1978					
S&P 500 TR USD USTREAS T-Bill Auction Ave 3 Mon			-15.47 1.08	9.24 1.19	11.70 0.71		01-30-1970 02-28-1941					
<ol> <li>Contractual waiver; Expires 02-28-2023</li> <li>Contractual waiver; Expires 09-30-2023</li> <li>Contractual waiver; Expires 01-31-2023</li> </ol>												
	On Distribution							On Distri	On Distribution and Sales of	es of Shares		
	1Yr	5Yr		10Yr \$	Since Inception		Inception Date	1Yr		5Yr	10Yr Sin	Since Inception
Baron Growth Instl	-27.35 -15.88	8.15 8.64		9.58	11.76 10.40		05-29-2009 05-04-2011	-13.92 -9 00	7	7.69 7.15	9.00	10.96
Bd Index	-14.03	9		6	-0.85		10-04-2017	-7.88		-		-0.23
	-20.23	5.68		9.45	10.20		09-08-2011	-10.86	4	4.96	8.24	8.93

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Return after Tax (%)	On Distribution					On Distribution and Sales	n and Sales of Shares		
	1Yr	5Yr	10Yr	Since Inception	Inception Date	1Yr	5Yr	10Yr	Since Inception
Fidelity® Small Cap Index	-24.04	2.80	7.77	8.92	09-08-2011	-13.11	2.72	6.84	7.87
Fidelity® Total International Index	-26.05	-1.47	1	1.99	06-07-2016	-14.63	-0.69	1	1.88
Fidelity® US Bond Index	-15.07	-1.02	-0.08	0.64	05-04-2011	-8.25	-0.30	0.36	0.93
Hartford Core Equity R6	-16.97	8.78		8.67	03-31-2015	-9.05	7.47		7.41
Hartford Schroders US Small Cap Opps SDR	-21.05	2.44	1	5.95	09-28-2015	-9.12	3.19		5.93
MFS Intl Diversification R6	-26.06	1	1	0.55	10-02-2017	-14.70	1	1	0.86
Sterling Capital Total Return Bond R6	-15.78	1	1	-0.92	02-01-2018	-8.53	1	1	-0.16
Vanguard Target Retirement 2020 Fund	-19.31	1.05	4.07	4.24	06-07-2006	-6.29	2.23	4.16	4.10
Vanguard Target Retirement 2025 Fund	-20.42	1.65	4.73	4.97	10-27-2003	-7.65	2.44	4.54	4.65
Vanguard Target Retirement 2030 Fund	-21.43	2.03	5.33	4.84	06-07-2006	-7.91	2.72	5.00	4.50
Vanguard Target Retirement 2035 Fund	-22.13	2.34	5.81	5.69	10-27-2003	-7.85	3.06	5.46	5.29
Vanguard Target Retirement 2040 Fund	-22.82	2.69	6.29	5.36	06-07-2006	-7.98	3.37	5.86	4.97
Vanguard Target Retirement 2045 Fund	-22.58	3.22	6.60	6.28	10-27-2003	-9.04	3.57	6.02	5.75
Vanguard Target Retirement 2050 Fund	-22.44	3.30	6.68	5.61	06-07-2006	-9.60	3.50	6.01	5.08
Vanguard Target Retirement 2055 Fund	-22.00	3.42	6.78	7.65	08-18-2010	-10.09	3.39	6.01	6.78
Vanguard Target Retirement 2060 Fund	-21.33	3.61	6.89	7.26	01-19-2012	-10.94	3.33	5.98	6.30
Vanguard Target Retirement 2065 Fund	-20.53	3.89	1	4.50	07-12-2017	-11.57	3.32	1	3.80
Vanguard Target Retirement 2070 Fund			1	-7.50	06-28-2022				-4.44
Vanguard Target Retirement Income Fund	-16 19	0.63	2.17	3.30	10-27-2003	_7 1/	1.27	2 29	3.18



# Disclosure Statement

Morningstar is not itself a FINRA-member firm. disclosure statement should accompany the Mutual Fund Detail Report. equivalent statement. Please read this information carefully. In all cases, this must be preceded or accompanied by the mutual fund's current prospectus or an The Mutual Fund Detail Report is supplemental sales literature, and therefore

of current data for securities included in the fund's portfolio. There is no Morningstar as of the release date and may or may not be an accurate reflection assurance that the data will remain the same. All data presented is based on the most recent information available to

grantor trusts, index mutual funds, open-ended mutual funds, and unit investment trusts. It does not include exchange-traded notes or exchange-traded Unless otherwise specified, the definition of "funds" used throughout this Disclosure Statement includes closed-end funds, exchange-traded funds,

report, historical data presented on a calendar-year basis and trailing periods ending at the most-recent month-end reflect the updated methodology. the current investments included in our current comparative analysis. In this exchange-traded funds as separate groups. Each group contained a subset of Prior to 2016, Morningstar's methodology evaluated open-end mutual funds and

three-year history. Sharpe ratio) are calculated for securities or portfolios that have at least a Risk measures (such as alpha, beta, r-squared, standard deviation, mean, or

returns adjusted as part of the load-adjusted return calculation to reflect those subject to one-time loads relating to advice or sales commissions have their such returns within a Morningstar Category in certain reports. The total returns charges, or loads. Morningstar does publish load-adjusted returns, and ranks Morningstar's calculation of load-adjusted returns. Share classes that are for ETFs and fund share classes without one-time loads are equal to Most Morningstar rankings do not include any adjustment for one-time sales

# Comparison of Fund Types

objective, which can vary greatly from fund to fund. Funds have the ability to under the Investment Company Act of 1940, as amended. Funds pool money investment companies registered with the Securities and Exchange Commission offer diversification and professional management, but also involve risk, from their investors and manage it according to an investment strategy or including the loss of principal. but also many important differences. In general, publically-offered funds are funds, open-end funds, and unit investment trusts (UITs), have many similarities, Funds, including closed-end funds, exchange-traded funds (ETFs), money market

not take into account any brokerage costs. Closed-end funds may also have 12b a shareholder. It includes operating expenses and management fees, but does discount. A closed-end mutual fund's expense ratio is an annual fee charged to a price above their NAV, they are said to be trading at a premium. Conversely, if offering of a fixed number of shares. Thereafter, shares are traded on a they are trading at a price below their NAV, they are said to be trading at a secondary market. As a result, the secondary market price may be higher or 1 fees. Income distributions and capital gains of the closed-end fund are subject lower than the closed-end fund's net asset value (NAV). If these shares trade at A closed-end fund is an investment company, which typically makes one public

to income tax, if held in a taxable account

between an ETF's holdings and those of its underlying index may cause its considered to be more tax-efficient when compared to similarly invested mutual account are subject to income tax. In many, but not all cases, ETFs are generally do not have 12b-1 fees or sales loads. Capital gains from funds held in a taxable and management fees, but does not take into account any brokerage costs. ETFs segments relating to their underlying indexes. Similarly, an imperfect match managed, so their value may be affected by a general decline in the U.S. market their NAV, they are said to be trading at a discount. ETFs are not actively said to be trading at a premium. Conversely, if they are trading at a price below secondary market and thus have a market price that may be higher or lower than index it is seeking to imitate. Like closed-end funds, an ETF can be traded on a striving to achieve a similar return as a particular market index. The ETF will ETF is an annual fee charged to a shareholder. It includes operating expenses performance to vary from that of its underlying index. The expense ratio of an its net asset value. If these shares trade at a price above their NAV, they are invest in either all or a representative sample of the securities included in the An ETF is an investment company that typically has an investment objective of

stocks at any time. share increments. Investors may exchange shares of a HOLDR for its underlying disparate performance of their holdings. HOLDRs can only be bought in 100unmanaged, and can become more concentrated due to mergers, or the focus on narrow industry groups. HOLDRs initially own 20 stocks, which are Holding company depository receipts (HOLDRs) are similar to ETFs, but they

certificates of deposit and other highly liquid securities, and pays money market paper, banker's acceptances, repurchase agreements, government securities, A money-market fund is an investment company that invests in commercial not guaranteed by a bank or other financial institution rates of interest. Money markets are not FDIC-insured, may lose money, and are

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net asset value plus any initial sales loads. Net asset value is calculated daily capital gains of the open-end fund are subject to income tax, if held in a taxable costs. Open-end funds may also have 12b-1 fees. Income distributions and expenses and management fees, but does not take into account any brokerage mutual fund is an annual fee charged to a shareholder. It includes operating deferred sales loads or redemption fees. The expense ratio for an open-end at the close of business. Open-end mutual fund shares can be redeemed, or sold the New York Stock Exchange. Investors pay the open-end mutual fund's current An open-end fund is an investment company that issues shares on a continuous back to the fund or intermediary, at their current net asset value minus any through an intermediary, but cannot be traded on a secondary market, such as basis. Shares can be purchased from the open-end mutual fund itself, or

operation expenses. UIT units may be redeemed by the sponsor at their net also pay creation and development fees, organization costs, and/or trustee charge is deducted from an investment made into the trust. UIT investors may sell their units and for new investors to buy units. A one-time initial sales agreement between a sponsor and trustee. UITs typically purchase a fixed sponsor will maintain a secondary market that allows existing unit holders to one public offering of a fixed number of units. However, in some cases, the securities, then the income from the trust is also tax-free. UITs generally make unit holder their pro rata share of the trust's net investment income and net managed, while a UIT is not. On a periodic basis, UITs usually distribute to the difference between a UIT and a mutual fund is that a mutual fund is actively portfolio of securities and then sell units in the trust to investors. The major A unit investment trust (UIT) is an investment company organized under a trust realized capital gains, if any. If the trust is one that invests only in tax-free

over into successive trusts as part of a long-term strategy. A rollover fee may be the sales proceeds are paid to the investor. Typically, a UIT investment is rolled have set termination dates, at which point the underlying securities are sold and associated with rolling over an investment from one trust to the next. charged for the exercise of rollover purchases. There are tax consequences asset value minus a deferred sales charge, and sold to other investors. UITs

considered indicative of future results. Principal value and investment return will are not FDIC-insured, may lose value, and are not guaranteed by a bank or other than the original investment. Fund portfolio statistics change over time. Funds fluctuate, so that an investor's shares, when sold, may be worth more or less financial institution. The performance data given represents past performance and should not be

Medicare surcharge, or 41.7%. This rate changes periodically in accordance surcharge. As of 2018, this rate is 37% plus 3.8% investment income plus 0.9% with changes in federal law. marginal income tax rate plus the investment income tax and Medicare Morningstar calculates after-tax returns using the highest applicable federal

## Pre-Inception Returns

report ("Report Share Class"). If pre-inception returns are shown, a performance returns please see the Morningstar Extended Performance Methodology. lower expenses. For more information regarding calculation of pre-inception in the Report Share Class, we do not hypothetically adjust returns upwards for Morningstar adjusts pre-inception returns downward to reflect higher expenses stream consisting of the Report Share Class and older share class(es) is created for periods prior to the inception of the share class of the fund shown in this The analysis in this report may be based, in part, on adjusted historical returns

## top of the report will indicate this. In addition, the pre-inception data included in the report will appear in italics. When pre-inception data is presented in the report, the header at the

calculate the pre-performance string will likely vary from the underlying by Morningstar may differ from those applied by other entities, including the actual returns. The underlying investments in the share classes used to operating expenses and sales charges. These adjusted historical returns are not from that of an institutional share class, as retail shares tend to have higher that behavior. For example, the fee structures of a retail share class will vary be aware that an adjusted historical return can only provide an approximation of probable long-term behavior of newer share classes of a fund, investors should investments held in the fund after inception. Calculation methodologies utilized While the inclusion of pre-inception data provides valuable insight into the

## **12b1 Expense** %

used as a commission to brokers for selling the fund. taken from a fund's returns A 12b-1 fee is a fee used to pay for a mutual fund's distribution costs. It is often The amount of the fee is

portfolio manager beta.) Alpha is often seen as a measure of the value added or subtracted by returns and its expected performance, given its level of risk (as measured by Alpha is a measure of the difference between a security or portfolio's actual

## Asset Allocation

Asset Allocation reflects asset class weightings of the portfolio. The "Other"

allocation data in several ways, including tables or pie charts. In addition, classes, such as convertible bonds and preferred stocks, or cannot be classified Morningstar may compare the asset class breakdown of the fund against its by Morningstar as a result of missing data. Morningstar may display asset category includes security types that are not neatly classified in the other asset three-year average, category average, and/or index proxy.

the investor will experience a loss buying it at a higher price than the sale price investors get a more robust description of the fund's exposure and risk. Long what the fund's managers are buying and how they are positioning the fund's short, and net (long positions net of short) positions. These statistics summarize back at some point in the future. If the price falls after the short sale, the positions involve buying the security outright and selling it later, with the hope portfolio. When short positions are captured in these portfolio statistics, in a profit. However, if the price of the security increases after the short sale, investor will have sold high and can buy low to close the short position and lock from another investor, sells it and receives cash, and then is obligated to buy it benefitting from anticipated price declines. The investor borrows the security the security's price rises over time. Short positions are taken with the hope of Asset allocations shown in tables may include a breakdown among the long

underlying a pie chart's generation. Because of the nature of how these presentation.) breakdowns may rescale identified characteristics to 100% for more intuitive unidentified characteristics of fund holdings are material, pie charts and other portfolio information to report asset allocation. Morningstar, at its discretion, securities are reported to Morningstar, we may not always get complete data to Morningstar that does not meet the parameters of the calculation short positions or portfolio with relatively exotic derivative positions often report characteristics. Portfolios that incorporate investment strategies resulting in enhance returns, or reduce risk. Some of these securities and strategies behave short positions or derivatives, in an attempt to reduce transaction costs, equities and bonds. Morningstar may generate a colored pie chart for these percentages total to 100 percent. (Morningstar used discretion to determine if Asset allocation and other breakdowns may be rescaled accordingly so that may determine if unidentified characteristics of fund holdings are material. like conventional securities, while other have unique return and risk portfolios. Other portfolios use other investment strategies or securities, such as Most fund portfolios hold fairly conventional securities, such as long positions in

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Note that all other portfolio statistics presented in this report are based on the long (or long rescaled) holdings of the fund only.

# Average Effective Duration

securities within a portfolio effective duration is a weighted average of the duration of the fixed-income Duration is a time measure of a bond's interest-rate sensitivity. Average

# Average Effective Maturity

ın a portfolio Average Effective Maturity is a weighted average of the maturities of all bonds

# Average Weighted Coupon

weighted coupon is the asset-weighted coupon of each bond in the A coupon is the fixed annual percentage paid out on a bond. The average portfolio

## Average Weighted Price

discount securities respectively.) expressed as a percentage of par (face) value. This number reveals if the Average Weighted Price is the asset-weighted price of bonds held in a portfolio, portfolio favors bonds selling at prices above or below par value (premium or



#### **Best Fit Index**

Alpha, beta, and R-squared statistics are presented for a broad market index and a "best fit" index. The Best Fit Index identified in this report was determined by Morningstar by calculating R-squared for the fund against approximately 100 indexes tracked by Morningstar. The index representing the highest R-squared is identified as the best fit index. The best fit index may not be the fund's benchmark, nor does it necessarily contain the types of securities that may be held by the fund or portfolio.

#### Beta

Beta is a measure of a security or portfolio's sensitivity to market movements (proxied using an index.) A beta of greater than 1 indicates more volatility than the market, and a beta of less than 1 indicates less volatility than the market.

# Credit Quality Breakdown

Credit Quality breakdowns are shown for corporate-bond holdings in the fund's portfolio and depict the quality of bonds in the underlying portfolio. It shows the percentage of fixed-income securities that fall within each credit-quality rating as assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). Bonds not rated by an NRSRO are included in the Other/Not-Classified category.

## Deferred Load %

The back-end sales charge or deferred load is imposed when an investor redeems shares of a fund. The percentage of the load charged generally declines the longer the fund's shares are held by the investor. This charge, coupled with 12b-1 fees, commonly serves as an alternative to a traditional front-end load.

## **Expense Ratio %**

The expense ratio is the annual fee that all funds charge their shareholders. It expresses the percentage of assets deducted each fiscal year for fund expenses, including 12b-1 fees, management fees, administrative fees, operating costs, and all other asset-based costs incurred by the fund. Portfolio transaction fees, or brokerage costs, as well as front-end or deferred sales charges are not included in the expense ratio. The expense ratio, which is deducted from the fund's average net assets, is accrued on a daily basis. The gross expense ratio, in contrast to the net expense ratio, does not reflect any fee waivers in effect during the time period.

## Front-end Load %

The initial sales charge or front-end load is a deduction made from each investment in the fund and is generally based on the amount of the investment.

# Geometric Average Market Capitalization

Geometric Average Market Capitalization is a measure of the size of the companies in which a portfolio invests.

## Growth of 10,000

For funds, this graph compares the growth of an investment of 10,000 (in the base currency of the fund) with that of an index and/or with that of the average for all funds in its Morningstar Category. The total returns are not adjusted to reflect sales charges or the effects of taxation but are adjusted to reflect actual ongoing fund expenses, and they assume reinvestment of dividends and capital gains. If adjusted, effects of sales charges and taxation would reduce the performance quoted. If pre-inception data is included in the analysis, it will be graphed.

The index in the Growth of 10,000 graph is an unmanaged portfolio of specified securities and cannot be invested in directly. The index does not reflect any initial or ongoing expenses. A fund's portfolio may differ significantly from the securities in the index. The index is chosen by Morningstar.

## Management Fees %

The management fee includes the management and administrative fees listed in the Management Fees section of a fund's prospectus. Typically, these fees represent the costs shareholders paid for management and administrative services over the fund's prior fiscal year.

# Maximum Redemption Fee %

The Maximum Redemption Fee is the maximum amount a fund may charge i redeemed in a specific time period after the fund's purchase (for example, 3 180, or 365 days).

#### Mean

Mean is the annualized geometric return for the period shown.

# Morningstar Analyst Rating™

is directly subtracted from an expected gross alpha estimate derived from the analysis of people and process; price at the share-class level (where applicable) evaluation performed by Morningstar's manager research group, which consists modification by alpha dispersion is not used. peer groups of investment products using alternative investment strategies, the certain peer groups where standard benchmarking is not applicable, primarily process and parent on the final Morningstar Analyst Rating is further modified analysis of the other pillars. The impact of the weighted pillar scores for people, strategies, performance has no explicit weight as it is incorporated into the people and parent each receive a 10% weighting. For both active and passive weighting. For passive strategies, process receives an 80% weighting, while term on a risk adjusted basis. They consider quantitative and qualitative factors pillars, which are process, performance, people, parent, and price. The Manager The Manager Research Group evaluates investment products based on five key registered with and governed by the U.S. Securities and Exchange Commission United States, that subsidiary is Morningstar Research Services LLC, which is of various Morningstar, Inc. subsidiaries ("Manager Research Group"). In the The Morningstar Analyst Rating $^{TM}$  is not a credit or risk rating. It is a subjective by a measure of the dispersion of historical alphas among relevant peers. For receive a 45% weighting in their analysis, while parent receives a 10% in their research. For actively managed strategies, people and process each investment products are likely to perform relative to a benchmark over the long Research Group uses this five-pillar evaluation to determine how they believe

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Separately managed accounts are rated using the methodology for actively managed funds. A proxy fee is deducted from all separately managed accounts in a given Morningstar Category. The proxy fee is based on a survey of separately managed account model-delivery fees.

investment strategies, a Morningstar Analyst Rating of Gold, Silver, or Bronze reflects the Manager Research Group's expectation that an investment product active investment product will be able to deliver positive alpha net of fees peer group. Morningstar Analyst Ratings ultimately reflect the Manager will deliver a weighted pillar score above a predetermined threshold within its not applicable, primarily peer groups of investment products using alternative expected net alpha relative to Morningstar category peers for passive will be able to deliver a higher alpha net of fees than the lesser of the relevant investment products, a Morningstar Analyst Rating of Gold, Silver, or Bronze to Morningstar category peers for active investment products. For passive Silver, or Bronze reflects the Manager Research Group's expectation that an Negative. For active investment products, a Morningstar Analyst Rating of Gold investment products. For certain peer groups where standard benchmarking Morningstar category median or 0. The level of the rating relates to the level of reflects the Manager Research Group's expectation that an investment product The level of the rating relates to the level of expected positive net alpha relative relative to the standard benchmark index assigned to the Morningstar category. The Morningstar Analyst Rating scale is Gold, Silver, Bronze, Neutral, and



Research Group's overall assessment, are overseen by an Analyst Rating Committee, and are continuously monitored and reevaluated at least every 14 months.

For more detailed information about Morningstar's Analyst Rating, including its methodology, please go to http://global.morningstar.com/equitydisclosure.

The Morningstar Analyst Rating (i) should not be used as the sole basis in evaluating an investment product, (ii) involves unknown risks and uncertainties which may cause the Manager Research Group's expectations not to occur or to differ significantly from what they expected, and (iii) should not be considered an offer or solicitation to buy or sell the investment product

# Morningstar Quantitative Rating™

Morningstar's quantitative fund ratings consist of: (i) Morningstar Quantitative Rating (overall score), (ii) Quantitative Parent pillar, (iii) Quantitative People pillar, and (iv) Quantitative Process pillar (collectively the "Quantitative Fund Ratings"). The Quantitative Fund Ratings are calculated monthly and derived from the analyst-driven ratings of a fund's peers as determined by statistical algorithms. Morningstar, Inc. calculates Quantitative Fund Ratings for funds when an analyst rating does not exist as part of its qualitative coverage.

• Morningstar Quantitative Rating: Intended to be comparable to Morningstar's Analyst Ratings for open-end funds and ETFs, which is the summary expression of Morningstar's forward-looking analysis of a fund. The Morningstar Analyst Rating is based on the analyst's conviction in the fund's ability to outperform its peer group and/or relevant benchmark on a risk-adjusted basis over a full market cycle of at least 5 years. Ratings are assigned on a five-tier scale with three positive ratings of Gold, Silver, and Bronze, a Neutral rating, and a Negative rating. Morningstar calculates the Morningstar Quantitative Rating using a statistical model derived from the Morningstar Analyst Rating our fund analysts assign to open-end funds and ETFs. Please go to <a href="https://shareholders.morningstar.com/investor-">https://shareholders.morningstar.com/investor-</a>

relations/governance/Compliance--Disclosure/default.aspx for information about Morningstar Analyst Rating Morningstar's fund analysts assign to funds

- Quantitative Parent pillar: Intended to be comparable to
  Morningstar's Parent pillar scores, which provides Morningstar's analyst opinion
  on the stewardship quality of a firm. Morningstar calculates the Quantitative
  Parent pillar using an algorithm designed to predict the Parent Pillar score our
  fund analysts would assign to the fund. The quantitative pillar rating is
  expressed in both a rating and a numerical value as High (5), Above Average (4),
  Average (3), Below Average (2), Low (1).
- Quantitative People pillar: Morningstar's People pillar scores, which provides Morningstar's analyst opinion on the fund manager's talent, tenure, and resources. Morningstar calculates the Quantitative People pillar using an algorithm designed to predict the People pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2), Low (1).
- Quantitative Process Pillar: Intended to be comparable to Morningstar's Process pillar scores, which provides Morningstar's analyst opinion on the fund's strategy and whether the management has a competitive advantage enabling it to execute the process and consistently over time. Morningstar calculates the Quantitative Process pillar using an algorithm designed to predict the Process pillar score our fund analysts would assign to the fund. The quantitative pillar rating is expressed in both a rating and a numerical value as High (5), Above Average (4), Average (3), Below Average (2) and Low (1).

Morningstar Quantitative Ratings have not been made available to the issuer of the security prior to publication.

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The quantitative fund ratings are not statements of fact. Morningstar does not guarantee the completeness or accuracy of the assumptions or models used in determining the quantitative fund ratings. In addition, there is the risk that the return target will not be met due to such things as unforeseen changes in changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, and tax rate. For investments in foreign markets there are further risks, generally based on exchange rate changes or changes in political and social conditions. A change in the fundamental factors underlying the quantitative fund ratings can mean that the recommendation is subsequently no longer accurate.

For more information about Morningstar's quantitative methodology, please visit <a href="https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx">https://shareholders.morningstar.com/investor-relations/governance/Compliance--Disclosure/default.aspx</a>

## **Morningstar Category**

Morningstar Category is assigned by placing funds into peer groups based on their underlying holdings. The underlying securities in each portfolio are the primary factor in our analysis as the investment objective and investment strategy stated in a fund's prospectus may not be sufficiently detailed for our proprietary classification methodology. Funds are placed in a category based on their portfolio statistics and compositions over the past three years. Analysis of performance and other indicative facts are also considered. If the fund is new and has no portfolio history, Morningstar estimates where it will fall before giving it a permanent category assignment. Categories may be changed based on recent changes to the portfolio.

## Morningstar Rank

Morningstar Rank is the total return percentile rank within each Morningstar Category. The highest (or most favorable) percentile rank is zero and the lowest (or least favorable) percentile rank is 100. Historical percentile ranks are based on a snapshot of a fund at the time of calculation.

## Morningstar Rating™

The Morningstar Rating<sup>TM</sup>for funds, or "star rating", is calculated for funds and separate accounts with at least a three-year history. Exchange-traded funds and open-ended mutual funds are considered a single population for comparative purposes. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a managed product's monthly excess performance, placing more emphasis on downward variations and rewarding consistent performance. The Morningstar Rating does not include any adjustment for sales loads. The top 10% of products in each product category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 4 stars, and the bottom 10% receive 1 star. The Overall Morningstar Rating for a managed product is derived from a weighted average of the performance figures associated with its three-, five-, and 10-year (if applicable) Morningstar Rating metrics. For more information about the Morningstar Rating for funds, including its methodology, please go to global.morningstar.com/managerdisclosures

The Morningstar Return rates a fund's performance relative to other managed products in its Morningstar Category. It is an assessment of a product's excess return over a risk-free rate (the return of the 90-day Treasury Bill) in comparison with the products in its Morningstar category. In each Morningstar category, the top 10% of products earn a High Morningstar Return (High), the next 22.5% Above Average (+Avg), the middle 35% Average (Avg), the next 22.5% Below Average (-Ave), and the bottom 10% Low (Low). Morningstar Return is

## **Morningstar Risk**

Morningstar Risk evaluates a fund's downside volatility relative to that of other products in its Morningstar Category. It is an assessment of the variations in monthly returns, with an emphasis on downside variations, in comparison with the products in its Morningstar category. In each Morningstar category, the 10% of products with the lowest measured risk are described as Low Risk (Low), the next 22.5% Below Average (-Avg), the middle 35% Average (Avg), the next 22.5% Above Average (+Avg), and the top 10% High (High). Morningstar Risk is measured for up to three time periods (three, five, and 10 years). These separate measures are then weighted and averaged to produce an overall measure for the product. Products with less than three years of performance history are not rated.

### Style Analysis

The Morningstar Style Box reveals a fund's investment style as of the date noted on this report.

For equity funds, the vertical axis shows the market capitalization of the long stocks owned, and the horizontal axis shows the investment style (value, blend or growth.) A darkened cell in the style box matrix indicates the weighted average style of the portfolio.

For portfolios holding fixed-income investments, a Fixed Income Style Box is calculated. The vertical axis shows the credit quality based on credit ratings and the horizontal axis shows interest-rate sensitivity as measured by effective duration. There are three credit categories- "High", "Medium", and "Low; and there are three interest rate sensitivity categories- "Limited", "Moderate", and "Extensive" resulting in nine possible combinations. As in the equity Style Box the combination of credit and interest rate sensitivity for a portfolio is represented by a darkened cell in the matrix.

Morningstar uses credit rating information from credit rating agencies (CRA's) that have been designated Nationally Recognized Statistical Rating Organizations (NRSRO's) by the Securities and Exchange Commission (SEC) in the United States. For a list of all NRSROs, please visit https://www.sec.gov/ocr/ocr-leam-nrsros.html. Additionally, Morningstar will use credit ratings from CRA's which have been recognized by foreign regulatory institutions that are deemed the equivalent of the NRSRO designation.

To determine the rating applicable to a holding and the subsequent holding weighted value of a portfolio two methods may be employed. First is a common methodology approach where if a case exists such that two rating organizations/ agencies have rated a holding, the lower rating of the two should be applied; if three or more CRA's have rated a holdingt the median rating should be applied, and in cases where there are more than two ratings and a median rating cannot be determined the lower of the two middle ratings should be applied. Alternatively, if there is more than one rating available an average can be calculated from all and applied. Please Note: Morningstar, Inc. is not an NRSRO nor does it issue a credit rating on the fund. Credit ratings for any security held in a portfolio may change over time.

Morningstar uses the credit rating information to calculate a weighted-average credit quality value for the portfolio. This value is based only upon those holdings which are considered to be classified as "fixed\_income", such as government, corporate, or securitized issues. Other types of holdings such as equities and many, though not all, types of derivatives are excluded. The weighted-average credit quality value is represented by a rating symbol which

corresponds to the long-term rating symbol schemas employed by most CRA's. Note that this value is not explicitly published but instead serves an an input in Style Box calculation. This symbol is then used to map to a Style Box credit quality category of "low," "medium," or "high". Funds with a "low" credit quality category are those whose weighted-average credit quality is determined to be equivalent to the commonly used High Yield classification, meaning a rating below "BBB", portfolios assigned to the "high" credit category have either a "AAA" or "AA+" average credit quality value, while "medium" are those with an average rating of "AA" inclusive to "BBB-". It is expected and intended that the majority of portfolios will be assigned a credit category of "medium".

For assignment to an interest-rate sensitivity category Morningstar uses the average effective duration of the portfolio. From this value there are three distinct methodologies employed to determine assignment to category. Portfolios which are assigned to Morningstar municipal-bond categoriesemploy static breakpoints between categories. These breakpoints are "Limited" equal to 4.5 years or less,; (ii) "Moderate" equal to 4.5 years to less than 7 years, and "Extensive" equal to more than 7 years. For portfolios assigned to Morningstar categories other than U.S> Taxable, including all domiciled outside the United States, static duration breakpoints are also used. The values differ from the municipal category values,; (i) "Limited" equals less than or equal to 3.5 years, "Moderate" equals greater than 3.5 years but less than or equal to 6 years, "Extensive" is assigned to portfolios with effective durations of more than 6 years. Note: Interest-rate sensitivity for non-U.S. domiciled portfolios (excluding those in Morningstar convertible categories) may be assigned using average modified duration when average effective duration is not available.

For portfolios Morningstar classifies as U.S Taxable Fixed-Income, interest-rate sensitivity category assignment is based on the effective duration of the Morningstar Core Bond Index (MCBI). The classification assignment is dynamically determined relative to the benchmark index value. A "Limited" category will be assigned to portfolios whose average effective duration is between 25% to 75% of MCBI average effective duration, where the average effective duration is between 75% to 125% of the MCBI the portfolio will be classified as "Moderate", and those portfolios with an average effective duration value 125% or greater of the average effective duration of the MCBI will be classified as "Extensive".

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## P/B Ratio TTM

The Price/Book Ratio (or P/B Ratio) for a fund is the weighted average of the P/B Ratio of the stocks in its portfolio. Book value is the total assets of a company, less total liabilities. The P/B ratio of a company is calculated by dividing the market price of its outstanding stock by the company's book value, and then adjusting for the number of shares outstanding. Stocks with negative book values are excluded from this calculation. It shows approximately how much an investor is paying for a company's assets based on historical valuations.

### P/C Ratio TTM

The Price/Cash Flow Ratio (or P/C Ratio) for a fund is the weighted average of the P/C Ratio of the stocks in its portfolio. The P/C Ratio of a stock represents the amount an investor is willing to pay for a dollar generated from a company's operations. It shows the ability of a company to generate cash and acts as a gauge of liquidity and solvency.

#### P/E Ratio TTM

The Price/Earnings Ratio (or P/E Ratio) for a fund is the weighted average of the P/E Ratios of the stocks in its portfolio. The P/E Ratio of a stock is the stock's current price divided by the company's trailing 12-month earnings per share. A high P/E Ratio usually indicates the market will pay more to obtain the company's earnings because it believes in the company's abilities to increase their earnings. A low P/E Ratio indicates the market has less confidence that the company's earnings will increase, however value investors may believe such



stocks have an overlooked or undervalued potential for appreciation.

# **Percentile Rank in Category**

Percentile Rank is a standardized way of ranking items within a peer group, in this case, funds within the same Morningstar Category. The observation with the largest numerical value is ranked zero the observation with the smallest numerical value is ranked 100. The remaining observations are placed equal distance from one another on the rating scale. Note that lower percentile ranks are generally more favorable for returns (high returns), while higher percentile ranks are generally more favorable for risk measures (low risk).

## Performance Quartile

Performance Quartile reflects a fund's Morningstar Rank

# **Potential Capital Gains Exposure**

Potential Capital Gains Exposure is an estimate of the percent of a fund's assets that represent gains. It measures how much the fund's assets have appreciated, and it can be an indicator of possible future capital gains distributions. A positive potential capital gains exposure value means that the fund's holdings have generally increased in value while a negative value means that the fund has reported losses on its book.

## Quarterly Returns

Quarterly Return is calculated applying the same methodology as Total Return except it represents return through each quarter-end.

#### R-Squared

R-squared is the percentage of a security or portfolio's return movements that are explained by movements in its benchmark index, showing the degree of correlation between the security or portfolio and the benchmark. This figure is helpful in assessing how likely it is that beta and alpha are statistically significant. A value of 1 indicates perfect correlation between the security or portfolio and its benchmark. The lower the R-squared value, the lower the correlation.

## Regional Exposure

The regional exposure is a display of the portfolio's assets invested in the regions shown on the report.

## Sector Weightings

Super Sectors represent Morningstar's broadest classification of equity sectors by assigning the 11 equity sectors into three classifications. The Cyclical Super Sector includes industries significantly impacted by economic shifts, and the stocks included in these sectors generally have betas greater than 1. The Defensive Super Sector generally includes industries that are relatively immune to economic cycles, and the stocks in these industries generally have betas less than 1. The Sensitive Super Sector includes industries that ebb and flow with the overall economy, but not severely so. Stocks in the Sensitive Super Sector generally have betas that are close to 1.

#### Share Change

Shares Change represents the number of shares of a stock bought or sold by a fund since the previously reported portfolio of the fund.

#### Sharpe Ratio

Sharpe Ratio uses standard deviation and excess return (a measure of a security or portfolio's return in excess of the U.S. Treasury three-month Treasury Bill) to determine the reward per unit of risk.

## **Standard Deviation**

Standard deviation is a statistical measure of the volatility of the security or portfolio's returns. The larger the standard deviation, the greater the volatility

of return

## Standardized Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experience if the security was purchased at the beginning of the period and sold at the end, incurring transaction charges.

#### Total Returi

Total Return, or "Non Load-Adjusted Return", reflects performance without adjusting for sales charges (if applicable) or the effects of taxation, but it is adjusted to reflect all actual ongoing security expenses and assumes reinvestment of dividends and capital gains. It is the return an investor would have experienced if the fund was held throughout the period. If adjusted for sales charges and the effects of taxation, the performance quoted would be significantly reduced.

Total Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

## Trailing Returns

Standardized Return applies the methodology described in the Standardized Returns page of this report. Standardized Return is calculated through the most recent calendar-quarter end for one-year, five-year, 10-year, and/or since-inception periods, and it demonstrates the impact of sales charges (if applicable) and ongoing fund expenses. Standardized Return reflects the return an investor may have experienced if the fund was purchased at the beginning of the period and sold at the end, incurring transaction charges.

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Load-Adjusted Monthly Return is calculated applying the same methodology as Standardized Return, except that it represents return through month-end. As with Standardized Return, it reflects the impact of sales charges and ongoing fund expenses, but not taxation. If adjusted for the effects of taxation, the performance quoted would be significantly different.

Trailing Return +/- indicates how a fund has performed relative to its peers (as measure by its Standard Index and/or Morningstar Category Index) over the time periods shown.

# **Investment Risks**

International/Emerging Market Equities: Investing in international securities involves special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Strategies: Portfolios that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Strategies: Portfolios that invest a significant percentage of assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Small Cap Equities: Portfolios that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and



are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid Cap Equities: Portfolios that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

High-Yield Bonds: Portfolios that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

Tax-Free Municipal Bonds: The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

Bonds: Bonds are subject to interest rate risk. As the prevailing level of bond interest rates rise, the value of bonds already held in a portfolio declines. Portfolios that hold bonds are subject to declines and increases in value due to general changes in interest rates.

HOLDRs: The investor should note that these are narrow industry-focused products that, if the industry is hit by hard times, will lack diversification and possible loss of investment would be likely. These securities can trade at a discount to market price, ownership is of a fractional share interest, the underlying investments may not be representative of the particular industry, the HOLDR might be delisted from the AMEX if the number of underlying companies drops below nine, and the investor may experience trading halts.

Hedge Funds: The investor should note that hedge fund investing involves specialized risks that are dependent upon the type of strategies undertaken by the manager. This can include distressed or event-driven strategies, long/short strategies, using arbitrage (exploiting price inefficiencies), international investing, and use of leverage, options and/or derivatives. Although the goal of hedge fund managers may be to reduce volatility and produce positive absolute return under a variety of market conditions, hedge funds may involve a high degree of risk and are suitable only for investors of substantial financial means who could bear the entire loss of their investment.

Bank Loan/Senior Debt: Bank loans and senior loans are impacted by the risks associated with fixed income in general, including interest rate risk and default risk. They are often non-investment grade; therefore, the risk of default is high. These securities are also relatively illiquid. Managed products that invest in bank loans/senior debt are often highly leveraged, producing a high risk of return volatility.

Exchange Traded Notes (ETNs): ETNs are unsecured debt obligations. Any repayment of notes is subject to the issuer's ability to repay its obligations. ETNs do not typically pay interest.

Leveraged ETFs: Leveraged investments are designed to meet multiples of the return performance of the index they track and seek to meet their fund objectives on a daily basis (or other time period stated within the prospectus objective). The leverage/gearing ratio is the amount of excess return that a leveraged investment is designed to achieve in comparison to its index performance (i.e. 200%, 300%, -200%, or -300% or 2X, 3X, -2X, -3X). Compounding has the ability to affect the performance of the fund to be either greater or less than the index performance multiplied by the multiple stated within the funds objective over a stated time period.

Short Positions: When a short position moves in an unfavorable way, the losses

are theoretically unlimited. The broker may demand more collateral and a manager might have to close out a short position at an inopportune time to limit further losses.

Long-Short: Due to the strategies used by long-short funds, which may include but are not limited to leverage, short selling, short-term trading, and investing in derivatives, these funds may have greater risk, volatility, and expenses than those focusing on traditional investment strategies.

Liquidity Risk: Closed-end fund, ETF, and HOLDR trading may be halted due to market conditions, impacting an investor's ability to sell a fund.

Market Price Risk: The market price of ETFs, HOLDRs, and closed-end funds traded on the secondary market is subject to the forces of supply and demand and thus independent of the NAV. This can result in the market price trading at a premium or discount to the NAV, which will affect an investor's value.

Market Risk: The market prices of ETFs and HOLDRs can fluctuate as a result of several factors, such as security-specific factors or general investor sentiment. Therefore, investors should be aware of the prospect of market fluctuations and the impact it may have on the market price.

Target-Date Funds: Target-date funds typically invest in other mutual funds and are designed for investors who are planning to retire during the target date year. The fund's target date is the approximate date when investors expect to begin withdrawing their money. A target-date fund's investment objective/strategy typically becomes more conservative over time, primarily by reducing its allocation to equity mutual funds and increasing its allocations in fixed-income mutual funds. An investor's principal value in a target-date fund is not guaranteed at any time, including at the fund's target date.

High double- and triple-digit returns: High double- and triple-digit returns were the result of extremely favorable market conditions, which may not continue to be the case. High returns for short time periods must not be a major factor when making investment decisions.

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# **Benchmark Disclosure**

# Bloomberg US Agg Bond TR USD

This index is composed of the BarCap Government/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index. The returns we publish for the index are total returns, which includes the daily reinvestment of dividends. Bloomberg Indexes and its associated data, Copyright © 2022 Bloomberg Index Services Limited. Bloomberg® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Bloomberg does not approve or endorse this material or guarantee the accuracy or completeness of any information herein, nor does Bloomberg make any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, Bloomberg shall not have any liability or responsibility for injury or damages arising in connection therewith. The constituents displayed for this index are from the following proxy: iShares Core US Aggregate Bond ETF.

# **Bloomberg US Government TR USD**

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# **Bloomberg US Universal TR USD**

BarCap U.S. Universal Bond Index: The U.S. Universal Index mirrors the increasingly popular "Core Plus" choice set used by many U.S.-dollar investors. It is the union of the U.S. Aggregate Index, the U.S. High Yield Corporate Index, the 144A Index, the Eurodollar Index, the Emerging Markets Index, the non-ERISA portion of the CMBS Index, and the CMBS High Yield Index. Municipal debt, private placements, and non-dollar- denominated issues are excluded from the Universal Index. The constituents displayed for this index are from the following proxy: iShares Core Total USD Bond Market ETF.

# **Morningstar Gbl Allocation TR USD**

The index measures the performance of a multi-asset class portfolio of global equities, global bonds and cash. This portfolio is held in a static allocation that is appropriate for investors who seek average exposure to global equity market risk and returns. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

# **Morningstar Lifetime Mod 2020 TR USD**

The Morningstar Lifetime Moderate 2020 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about ten years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# **Morningstar Lifetime Mod 2025 TR USD**

The Morningstar Lifetime Moderate 2025 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 15 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2030 TR USD

The Morningstar Lifetime Moderate 2030 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 20 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2035 TR USD

The Morningstar Lifetime Moderate 2035 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 25 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2040 TR USD

The Morningstar Lifetime Moderate 2040 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 30 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2045 TR USD

The Morningstar Lifetime Moderate 2045 Index represents a portfolio of global

equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 35 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2050 TR USD

The Morningstar Lifetime Moderate 2050 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 40 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2055 TR USD

The Morningstar Lifetime Moderate 2055 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 45 years away from retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

# Morningstar Lifetime Mod 2060 TR USD

The index measures the performance of a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a US investor who has a target maturity date of 2060. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

# Morningstar Lifetime Mod Incm TR USD

The Morningstar Lifetime Moderate Income Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is at least ten years into retirement. The Moderate risk profile is for investors who are comfortable with average exposure to equity market volatility.

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# Morningstar Mod Tgt Risk TR USD

The Morningstar Moderate Target Risk Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS This portfolio is held in a static allocation appropriate for U.S. investors who seek average exposure to equity market risk and returns.

# Morningstar US Core Bd TR USD

The index measures the performance of fixed-rate, investment-grade USD-denominated securities with maturities greater than one year. It is market-capitalization weighted. This Index does not incorporate Environmental, Social or Governance (ESG) criteria.

# Morningstar US Mid Brd Grt TR USD

The index measures the performance of US mid-cap growth stocks. It targets stocks representing the faster growing half of the mid-cap market. This Index does not incorporate Environmental, Social, or Governance (ESG) criteria.

# Morningstar US Mod Con Tgt Alloc NR USD

The Morningstar Target Allocation Index family consists of indexes that offer a diversified mix of stocks and bonds created for local investors to benchmark their allocation funds. Morningstar's Category classification system defines the level of equity and bond exposure for each index. The Morningstar US Moderately Conservative Target Allocation Index seeks 40% exposure to global equity markets.

# Morningstar US Sml Ext TR USD

The index measures the performance of US small-cap stocks. These stocks fall



investable universe. This Index does not incorporate Environmental, Social, or between the 90th and 99.5th percentile in market capitalization of the Governance (ESG) criteria

# MSCI ACWI Ex USA NR USD

country indices. The returns we publish for the index are total returns, which and emerging markets. The index consists of 48 developed and emerging market that is designed to measure equity market performance in the global developed from the following proxy: iShares MSCI ACWI ex US ETF. include reinvestment of dividends. The constituents displayed for this index are The MSCI AC World ex USA is a free float-adjusted market capitalization index

## MSCI ACWI NR USD

constituents displayed for this index are from the following proxy: iShares MSCI country markets. It is free float-adjusted market-capitalization weighted. The The index measures the performance of the large and mid cap segments of all

## MSCI EAFE NR USD

index of 21 non-U.S., industrialized country indexes. This Europe, Australasia, and Far East index is a market-capitalization-weighted

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## Russell 1000 TR USD

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represents approximately 98% of the investable US equity market. Also known which most active money managers choose. The constituents displayed for this as the Market-Oriented Index, because it represents the group of stocks from Consists of the 1000 largest companies within the Russell 3000 index, which index are from the following proxy: iShares Russell 1000 ETF.

## Russell 2000 TR USD

constituents displayed for this index are from the following proxy: iShares Russell 2000 ETF Consists of the 2000 smallest companies in the Russell 3000 Index. The

# Russell Mid Cap Growth TR USD

ratios and higher forecasted growth values. The constituents displayed for this index are from the following proxy: iShares Russell Mid-Cap Growth ETF Tracks the companies within the Russell Midcap Index with higher price-to-book

## Russell Mid Cap TR USD

following proxy: iShares Russell Mid-Cap ETF. the Russell 1000 Index. The constituents displayed for this index are from the Index, which represent approximately 25% of the total market capitalization of Measures the performance of the 800 smallest companies in the Russell 1000

## S&P 500 TR USD

stocks whose assets and/or revenues are based in the US; it's often used as a reinvestment of dividends. The constituents displayed for this index are from the proxy for the U.S. stock market. TR (Total Return) indexes include daily A market capitalization-weighted index composed of the 500 most widely held following proxy: SPDR® S&P 500 ETF Trust

# **USTREAS T-Bill Auction Ave 3 Mon**

Three-month T-bills are government-backed, short-term investments considered Morningstar collects yields on the T-bill on a weekly basis from the Wall Street to be risk-free and as good as cash because the maturity is only three months



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ALL MUTUAL FUND PRODUCTS AND EXCHANGE-TRADED FUNDS ARE SOLD BY PROSPECTUS, WHICH CONTAINS MORE COMPLETE INFORMATION ABOUT A FUND, ITS EXPENSES AND MATERIAL RISKS RELATED TO THAT FUND'S INVESTMENT STRATEGY.

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PLEASE READ THE PROSPECTUS AND CONSIDER THE FUND'S INVESTMENT OBJECTIVES, RISKS, CHARGES AND EXPENSES CAREFULLY BEFORE INVESTING. THE PROSPECTUS CONTAINS THIS AND OTHER IMPORTANT INFORMATION ABOUT THE FUND.

**Performance.** Performance results illustrated herein do not reflect a deduction of any investment advisory fees charged by Hyas Group or any investment manager but do include the fund's internal expenses. Performance results are annualized for time periods greater than one year and include all cash and cash equivalents, realized and unrealized capital gains and losses, and dividends, interest, and income. The investment results depicted herein represent historical performance. As a result of recent market activity, current performance may vary from the figures shown. Past performance is not a guarantee of future results.

The underlying fund's internal expenses (also known as the expense ratio) generally covers investment management fees, marketing, and distribution fees (also known as 12b-1 fees) and other operating expenses of the fund. The expense ratios being displayed for mutual funds reflect each fund's prospectus "net" expenses as provided by Morningstar. Such "net" expenses are subject to change and may increase at any time.

To learn more about the Hyas Group advisory services, please see the Hyas Group ADV Brochure for more information. It is available from your Hyas Group Consultant.

Performance data quoted is historical. Past performance does not guarantee future results. Current performance may be higher or lower than the performance quoted. You can obtain performance data current to the most recent month-end for each fund by visiting the fund company website. The investment return and principal value of an investment will fluctuate such that an investor's shares, when redeemed, may be worth more or less than their original cost. Total returns include reinvestment of dividends and capital gains and are net of all fund fees and expenses.

Performance figures are based on Net Asset Value (NAV) within a qualified retirement plan. If an individual were to purchase shares outside of a qualified plan, they would likely be subject to all, or a portion of, any applicable sales charges. These charges would lower the performance indicated above.

Each fund's performance may, from time to time, have been affected significantly by material market and economic conditions, including interest rates, market trends, and general business and economic cycles, which may or may not be repeated in the future. Also, keep in mind that any double-digit returns are highly unusual and cannot be sustained. Such returns are primarily achieved during favorable market conditions.

Indices are unmanaged. An investor cannot invest directly in an index. They are shown for illustrative purposes only and do not represent the performance of any specific investment. Index returns include the reinvestment of all dividends, but do not reflect the payment of transaction costs, advisory fees or expenses that are associated with an investment. The indices selected by Hyas Group to measure performance are representative of broad asset classes. Hyas Group retains the right to change representative indices at any time. Performance of indices may be more or less volatile than any investment product. The risk of loss in value of a specific investment is not the same as the risk of loss in a broad market index. Therefore, the historical returns of an index will not be the same as the historical returns of a particular investment a client selects. Past performance does not guarantee future results.

The "Investment Policy Statement Compliance Report" indicates funds that are on the Plan's Watch List, as based on investment monitoring criteria which is provided to Hyas Group by the plan sponsor. The plan sponsor should inform its Hyas Group Consultant of any changes to the plan's investment policy.

Fund data provided by Morningstar.

**Peer Groups.** Peer Groups are a collection of similar investment strategies that essentially group investment products that share the same investment approach. Peer Groups are used for comparison purposes to compare and illustrate a clients investment portfolio versus its peer across various quantitative metrics like performance and risk. Peer Group comparison is conceptually another form of benchmark comparison whereby the actual investment can be ranked versus its peer across various quantitative metrics.

**Peer Group Ranking Methodology.** A percentile rank denotes the value of a product in which a certain percent of observations falls within a peer group. The range of percentile rankings is between 1 and 100, where 1 represents a high statistical value and 100 represents a low statistical value. The 30th percentile, for example, is the value in which 30% of the highest observations may be found, the 65th percentile is the value in which 65% of the highest observations may be found, and so on.

Percentile rankings are calculated based on a normalized distribution ranging from 1 to 100 for all products in each peer group, where a ranking of 1 denotes a high statistical value and a ranking of 100 denotes a low statistical value. It is important to note that the same ranking methodology applies to all statistics, implying that a ranking of 1 will always mean highest value across all statistics.

For example, consider a risk/return assessment using standard deviation as a measure of risk. A percentile ranking equal to 1 for return denotes highest return, whereas a percentile ranking of 1 for standard deviation denotes highest risk among peers.

In addition, values may be used to demonstrate quartile rankings. For example, the third quartile is also known as the 75th percentile, and the median is the 50th percentile.

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