

Combined Retirement and RMT Plans

December 31, 2019 Performance Report

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All Plans - Combined

County of San Bernardino 457 Deferred Compensation Plan

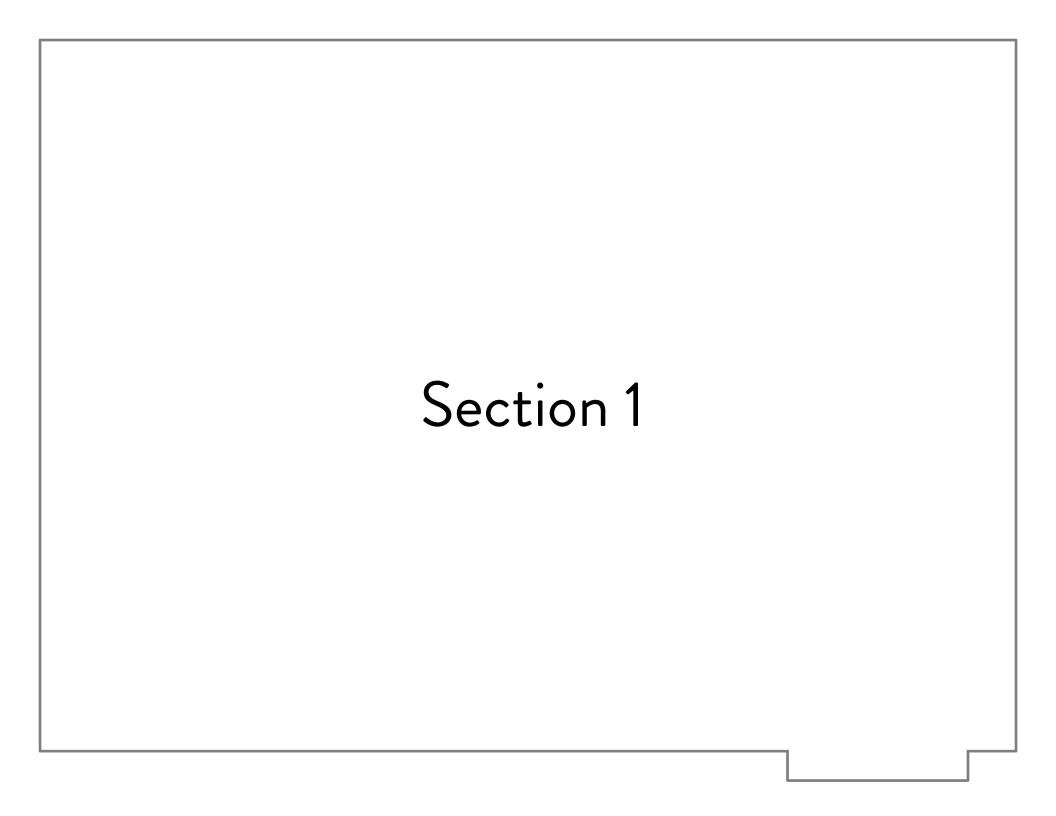
County of San Bernardino 401(a) Defined Contribution Plan

County of San Bernardino 401(k) Defined Contribution Plan

County of San Bernardino PST Deferred Compensation Retirement Plan

County of San Bernardino Retirement Medical Trust

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FOURTH QUARTER 2019

DIVERSIFICATION - THE BROKEN DECADE?

We've been indoctrinated through financial theory and literature that diversification is essential to investing success. However, in the 2010's it bluntly has not worked. In the past decade, US equities (S&P 500 Index) have generated an annualized return of 13.5% vs. 4.9% for the rest of the world (MSCI ACWI ex-US). This includes outperformance in 8 of 10 calendar years. With the emergence of China as a global economic power and historically unprecedented growth rates, surely emerging market returns have added additional value to investor portfolios? Not exactly. Emerging markets have generated annualized returns of 3.6% over the past decade, averaging nearly 10% less than the US market per year. Beyond geographic diversification, we are also generally taught that diversifying across business sectors and market capitalizations is essential for risk-adjusted performance. During the 2010's small cap stocks generated annualized returns of 11.8% lagging their large cap brethren by nearly 2% per year, while Technology stocks handily outpaced all others to provide consistent market leadership throughout the decade.

Technology and innovation are the threads that run through and tie these performance differences together. While narrow market leadership is not a new phenomenon (look no further than the prior Technology bubble of the 1990s), the emergence of a handful of Technology companies, domiciled in the US and operating on a global platform, with few if any competitors has driven extensive profit growth in the US. Cumulative earnings growth for the S&P 500 for the past 10 years is 111% vs. total stock returns of 134%. Point being, P/E expansion has been moderate, and gains have been largely supported by strong earnings fundamentals of innovative global companies. Technology stocks with global market presence continue to make up a much larger percentage of the US stock market than other developed markets. Based on GICS statistics, Technology stocks represent roughly 25-30% of the domestic stock market. For comparison, Technology represents 5-10% of developed European markets and 10-15% in Japan. Not only are these innovators higher percentages of the domestic equity markets, but US Technology companies also consistently generate higher returns on assets. The combination of significantly higher returns on assets and higher market weights currently provide a structural advantage for domestic equity markets relative to the rest of the developed world.

RETURN ON ASSETS (%)

COUNTRY	CONSUMER STAPLES	MER STAPLES CONSUMER DISCRETIONARY TECHNOLOGY HEALTHCARE		HEALTHCARE	COMMUNICATION SVCS	FINANCIALS
US	5.9	6.1	9.8	5.6	5.6	1.2
EUROPE	6.3	4.2	5.3	5.5	1.6	0.4
JAPAN	3.5	3.6	4.3	4.2	4.1	0.3

Source: Bloomberg. December 31, 2019.

While diversification is not broken, a globalized economy demands and rewards innovators with higher returns on assets and larger end markets (growth opportunities). Companies demonstrating innovation and the ability to expand into global markets should be expected to generate structurally higher returns over longer time periods. This would also suggest the market indices on which these companies trade will outperform over the long-term. There is a strong case to be made that the superior domestic returns of the 2010's merely reflect US leadership in innovative global Technology companies. Investors are then left to evaluate whether that leadership is sustainable and whether those leaders remain reasonably priced.

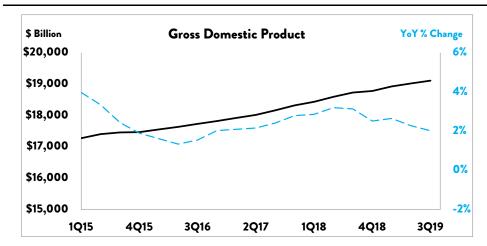
GLOBAL ECONOMIC LANDSCAPE

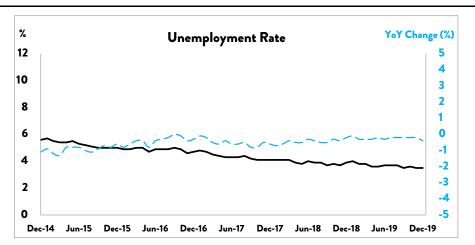
- After raising rates in December of 2018, the Federal Reserve (Fed) indicated that investors should expect multiple interest rate hikes in 2019. After a subsequent stock market collapse the Fed responded with a more neutral stance of no rate hikes in 2019. This "pause" then turned to a full "pivot" as global economic growth appeared to stall and turn negative. The Fed pivot resulted in three rate cuts in 2019 that essentially erased all the Fed's rate increases of 2018.
- The unemployment rate held steady at 3.5% to end the year, its lowest reading since December 1969. This is well below the 50-year average rate of 6.2% and indicates an economy operating near full capacity. Contrary to popular opinion, this economy has benefited a broad range of employees. Unemployment for those with less than a high school education recently declined to 5.3%, a 30-year low. Wage growth continued its deliberate rise and now stands at 3.7%, just shy of its 50-year average rate of 4.0%.
- After much anticipation and plenty of false starts, the US and China agreed to a "Phase One" trade deal in December. In some small or not so small way, global investors may have pigs to thank for this progress. More specifically, China has come down with African swine fever, but this goes far beyond a prescription and extended bed rest. The fever has wiped out nearly half of China's domestic pig herd in just over a year. China is the largest global pork consumer and local pork prices have increased over 100% in the last year. This has driven consumer price inflation (CPI) in China to 4.5% YOY, well above the central bank's 3.0% target. Excluding the price increases of pork, CPI rose at a mere 1.0%. With higher inflation, China has less tolerance for the inflationary impact of a trade war.

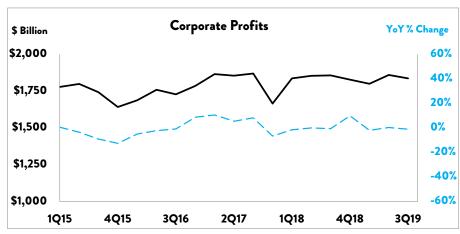
GLOBAL FINANCIAL MARKETS

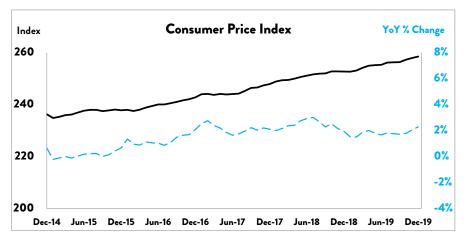
- Over the last 20 years, the 50 largest stocks in the Russell 3000 Index have averaged a combined total market cap of roughly four times the total market cap of the Russell 2000. At the end of 2019, that ratio was more than six times higher than it was even at the height of the internet bubble of 2000.
- Despite domestic equity markets demonstrating historically high operating earnings and margins, valuations remain consistently above historical averages. The current forward price/earnings ratio for the S&P 500 Index is 18.2 times expected 2020 earnings. This compares to the 25-year average of 16.3. Price-to-book and price-to-cash flow also remain well above their historical averages.
- Developed market interest rates have declined consistently over the past decade, with several countries declining into negative rate territory. Declining interest rates have been strongly correlated to outperformance by momentum growth and low volatility stocks at the expense of value stocks. In the fourth quarter, global rates reversed course across nearly all developed markets. Correlations followed suit, with value stocks performing especially well versus low volatility stocks.
- Yield seekers with a penchant for volatility continue to be well rewarded for investing in emerging market debt. Despite the high-profile collapse of Argentinian debt, which saw bond prices cut in half in 3Q2019, the Barclays EM Debt Index rose over 2.0% for the quarter and 13.0% for the year. This often-dismissed asset class has benefited from significant gains in breadth. The asset class has five times more countries than at its inception in 1993 while the maximum weight to any single country has declined from 20.0% to less than 5.0%.

4Q2019 Economic Data









Key:	 Economic	Serie
Key:	 Economic	Serie

--- Year-Over-Year Change

Labor Market Statistics (Monthly)									
Category	Recent	5-Yr High	5-Yr Low	5-Yr Avg.	Date				
Jobs Added/Lost Monthly	145,000	351,000	14,000	200,500	Dec-19				
Unemployment Rate	3.5%	5.7%	3.5%	4.4%	Dec-19				
Median Unemployment Length (Weeks)	8.4	13.5	6.6	10.2	Dec-19				
Average Hourly Earnings	\$28.32	\$28.32	\$24.75	\$26.41	Dec-19				

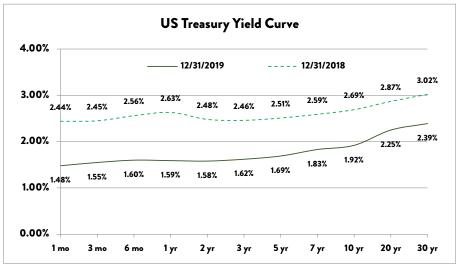
Other Prices and Indexes (Monthly)									
Category	Recent	5-Yr High	5-Yr Low	% Off Peak	Date				
Gas: Price per Gallon	\$2.54	\$2.88	\$1.79	-11.9%	Dec-19				
Spot Oil	\$59.88	\$70.98	\$30.32	-15.6%	Dec-19				
Case-Shiller Home Price Index	218.1	218.1	173.1	26.0%*	Oct-19				
Medical Care CPI	511.7	511.7	441.0	16%*	Dec-19				

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

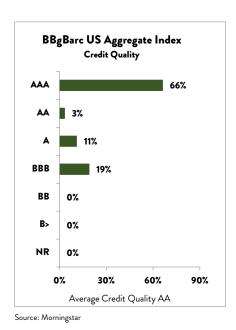
^{*%} Off Low

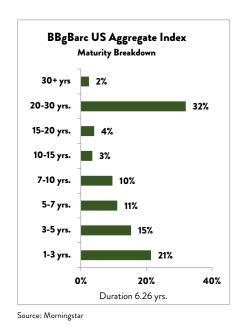
4Q2019 Bond Market Data

Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
90-Day T-Bill	0.46%	2.30%	2.30%	1.57%	0.99%	0.54%
BBgBarc US Aggregate	0.18%	8.72%	8.72%	4.03%	3.05%	3.75%
BBgBarc Short US Treasury	0.50%	2.46%	2.46%	1.71%	1.16%	0.67%
BBgBarc Int. US Treasury	0.01%	5.22%	5.22%	2.57%	1.99%	2.46%
BBgBarc Long US Treasury	-4.12%	14.83%	14.83%	6.95%	4.13%	7.01%
BBgBarc US TIPS	0.79%	8.43%	8.43%	3.32%	2.62%	3.36%
BBgBarc US Credit	1.05%	13.80%	13.80%	5.75%	4.39%	5.32%
BBgBarc US Mortgage-Backed	0.71%	6.35%	6.35%	3.25%	2.58%	3.15%
BBgBarc US Asset-Backed	0.39%	4.53%	4.53%	2.61%	2.22%	2.72%
BBgBarc US 20-Yr Municipal	0.65%	9.29%	9.29%	5.89%	4.39%	5.46%
BBgBarc US High Yield	2.61%	14.32%	14.32%	6.37%	6.13%	7.57%
BBgBarc Global	0.49%	6.84%	6.84%	4.27%	2.31%	2.48%
BBgBarc International	0.67%	5.09%	5.09%	4.36%	1.62%	1.50%
BBgBarc Emerging Market	2.09%	13.11%	13.11%	6.07%	5.84%	6.62%

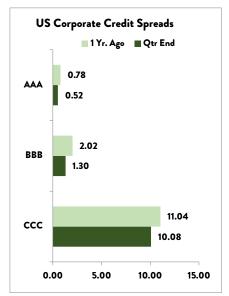


Source: Department of US Treasury





BBgBarc US Aggregate Index Sector Breakdown **US Government** Municipal 1% Corporate 25% Agency MBS Non-Agency MBS **CMBS** 1% Other 4% 0% 50% Source: Morningstar



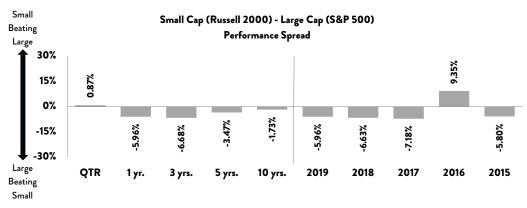
Source: Federal Reserve / Bank of America

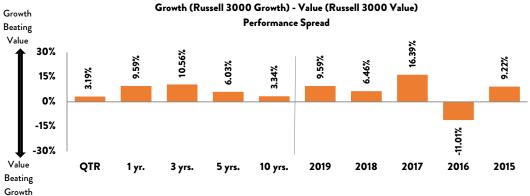
4Q2019 US Equity Market Data

Sec	tors Weig	hts/Returns (ranked by quar	ter performanc	:e)	
	Wgt.	Sector	QTR	YTD	1 yr.
	23%	Information Technology	14.40%	50.29%	50.29%
	14%	Health Care	14.37%	20.82%	20.82%
	13%	Financials	10.47%	32.13%	32.13%
dex	10%	Communication Services	9.00%	32.69%	32.69%
-	3%	Materials	6.38%	24.58%	24.58%
S&P 500 Index	9%	Industrials	5.53%	29.37%	29.37%
5&F	4%	Energy	5.49%	11.81%	11.81%
•	10%	Consumer Discretionary	4.47%	27.94%	27.94%
	7%	Consumer Staples	3.51%	27.61%	27.61%
	3%	Utilities	0.75%	26.35%	26.35%
	3%	Real Estate	-0.54%	29.01%	29.01%
	Wgt.	Sector	QTR	YTD	1 yr.
	2%	Energy	13.27%	-12.43%	-12.43%
×	16%	Information Technology	11.24%	42.91%	42.91%
nde	10%	Health Care	11.04%	22.68%	22.68%
00	16%	Industrials	8.39%	33.55%	33.55%
S&P Midcap 400 Index	13%	Consumer Discretionary	7.76%	26.57%	26.57%
dca	6%	Materials	6.89%	20.88%	20.88%
Σ	17%	Financials	5.15%	26.47%	26.47%
S& F	2%	Communication Services	3.82%	16.29%	16.29%
	3%	Consumer Staples	3.03%	10.85%	10.85%
	11%	Real Estate	2.75%	24.17%	24.17%
	5%	Utilities	-2.11%	14.33%	14.33%
	Wgt.	Sector	QTR	YTD	1 yr.
	12%	Health Care	14.06%	20.26%	20.26%
e X	14%	Information Technology	11.70%	39.59%	39.59%
<u>=</u>	4%	Consumer Staples	8.53%	16.90%	16.90%
S&P Smallcap 600 Index	18%	Financials	7.85%	20.52%	20.52%
ap 6	5%	Materials	7.44%	20.57%	20.57%
allc	17%	Industrials	7.27%	29.64%	29.64%
Sm	14%	Consumer Discretionary	6.85%	17.64%	17.64%
80	4%	Energy	6.50%	-14.77%	-14.77%
	2%	Communication Services	2.82%	5.77%	5.77%
	7%	Real Estate	2.77%	26.92%	26.92%
	2%	Utilities	0.07%	22.99%	22.99%

Index Performance Data

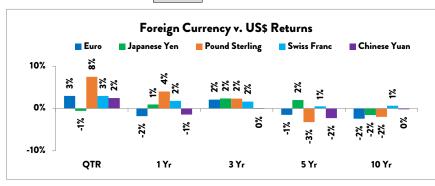
					Annualized	
Index	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
S&P 500	9.07%	31.49%	31.49%	15.27%	11.70%	13.56%
Russell 1000 Value	7.41%	26.54%	26.54%	9.68%	8.29%	11.80%
Russell 1000 Growth	10.62%	36.39%	36.39%	20.49%	14.63%	15.22%
Russell Mid Cap	7.06%	30.54%	30.54%	12.06%	9.33%	13.19%
Russell Mid Cap Value	6.36%	27.06%	27.06%	8.10%	7.62%	12.41%
Russell Mid Cap Growth	8.17%	35.47%	35.47%	17.36%	11.60%	14.24%
Russell 2000	9.94%	25.52%	25.52%	8.59%	8.23%	11.83%
Russell 2000 Value	8.49%	22.39%	22.39%	4.77%	6.99%	10.56%
Russell 2000 Growth	11.39%	28.48%	28.48%	12.49%	9.34%	13.01%
Russell 3000	9.10%	31.02%	31.02%	14.57%	11.24%	13.42%
DJ US Select REIT	-1.23%	23.10%	23.10%	6.95%	6.40%	11.57%



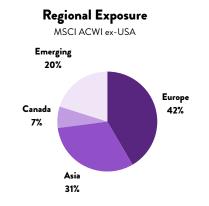


4Q2019 International Market Data

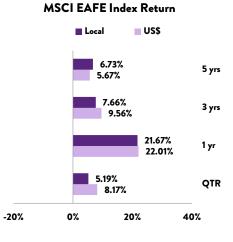
Index Performance Data (net)						
Index (US\$)	QTR	YTD	1 yr.	3 yrs.	5 yrs.	10 yrs.
MSCI ACWI ex-US	8.92%	21.51%	21.51%	9.87%	5.51%	4.97%
MSCI EAFE	8.17%	22.01%	22.01%	9.56%	5.67%	5.50%
Europe	8.84%	23.77%	23.77%	9.77%	5.06%	5.17%
United Kingdom	9.95%	21.05%	21.05%	8.32%	3.25%	5.05%
Germany	9.89%	20.77%	20.77%	6.27%	3.89%	5.18%
France	8.50%	25.72%	25.72%	12.19%	8.15%	4.99%
Pacific	7.03%	19.25%	19.25%	9.35%	7.00%	6.33%
Japan	7.64%	19.61%	19.61%	8.92%	7.70%	6.59%
Hong Kong	7.32%	10.34%	10.34%	11.47%	7.09%	8.12%
Australia	4.29%	22.92%	22.92%	9.07%	5.42%	5.01%
Canada	4.89%	27.50%	27.50%	7.01%	2.97%	3.59%
MSCI EM	11.84%	18.42%	18.42%	11.57%	5.61%	3.68%
MSCI EM Latin America	10.48%	17.46%	17.46%	10.74%	4.18%	-0.65%
MSCI EM Asia	12.51%	19.24%	19.24%	12.92%	6.63%	5.76%
MSCI EM Eur/Mid East	8.49%	19.33%	19.33%	8.32%	5.68%	0.03%
MSCI ACWI Value ex-US	8.21%	15.71%	15.71%	6.88%	3.65%	3.64%
MSCI ACWI Growth ex-US	9.58%	27.34%	27.34%	12.89%	7.30%	6.24%
MSCI ACWI Sm Cap ex-US	11.01%	22.42%	22.42%	9.65%	7.04%	6.92%

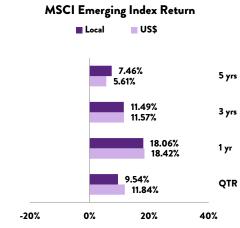


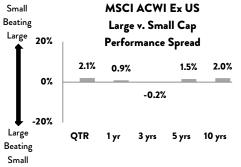
Exchange Rates	QTR	3Q19	2Q19	1Q19	4Q18	3Q18
Japanese Yen	108.67	108.11	107.84	110.68	109.70	113.48
Euro	0.89	0.92	0.88	0.89	0.87	0.86
British Pound	0.75	0.81	0.79	0.77	0.78	0.77
Swiss Franc	0.97	1.00	0.98	1.00	0.98	0.98
Chinese Yuan	6.96	7.15	6.87	6.71	6.88	6.87











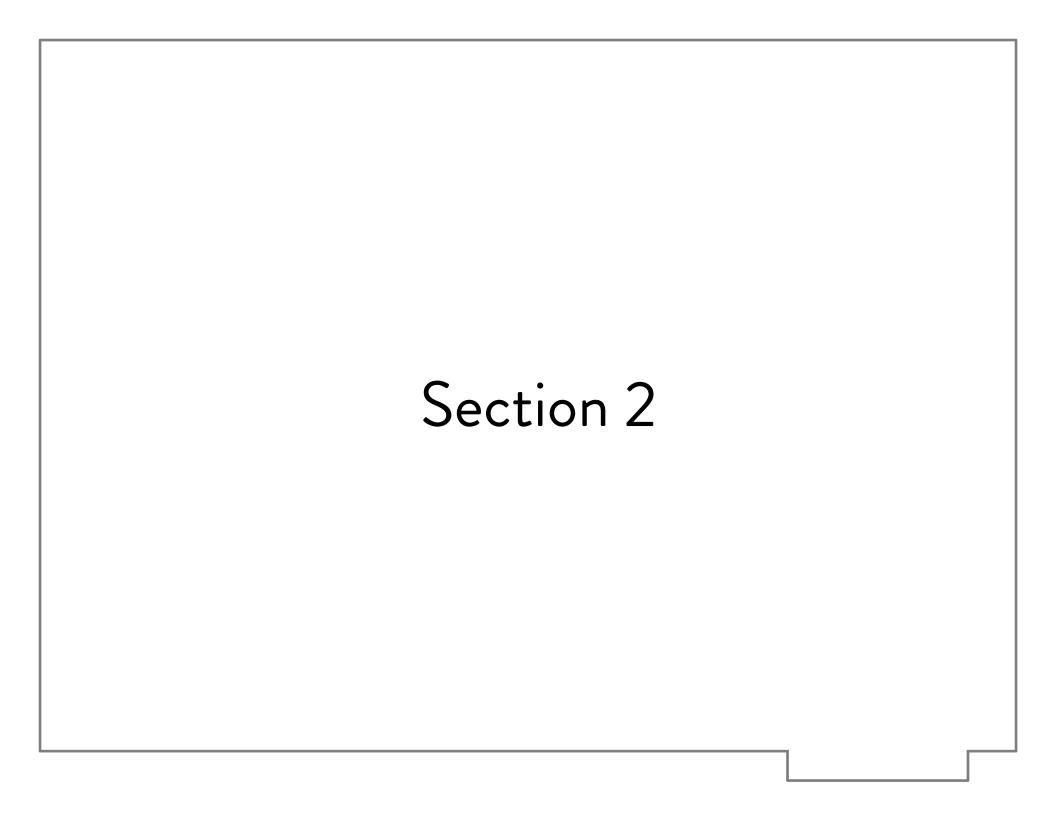


Historical Market Returns

Ranked by Performance

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	4Q19
Emerging Markets 25.55%	Emerging Markets 34.00%	Emerging Markets 32.14%	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%	Emerging Markets 11.84%
Intl 20.91%	Commod. 21.36%	Intl 26.65%	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%	Small Cap 9.94%
Mid Cap 20.22%	Core Real Estate 20.15%	Small Cap 18.37%	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%	Large Cap 9.07%
Small Cap 18.33%	Intl 16.62%	Large Cap 15.79%	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%	Intl 8.92%
Global Balanced 12.18%	Mid Cap 12.65%	Core Real Estate 15.27%	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%	Mid Cap 7.06%
Core Real Estate 12.00%	Large Cap 4.91%	Mid Cap 15.26%	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%	Global Balanced 5.33%
High Yield 11.13%	Small Cap 4.55%	Global Balanced 14.53%	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%	Commod. 4.42%
Large Cap 10.88%	Global Balanced 4.16%	High Yield 11.85%	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%	High Yield 2.61%
Global Bonds 9.27%	Cash 3.25%	Global Bonds 6.64%	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%	Core Real Estate 1.29%
Commod. 9.15%	TIPS 2.84%	Cash 4.85%	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%	TIPS 0.79%
TIPS 8.46%	High Yield 2.74%	US Bonds 4.33%	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%	Global Bonds 0.49%
US Bonds 4.34%	US Bonds 2.43%	Commod. 2.07%	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%	Cash 0.46%
Cash 1.44%	Global Bonds -4.49%	TIPS 0.41%	Small Cap -1.57%	Emerging Markets -53.33%	Core Real Estate -30.40%	Cash 0.15%	Emerging Markets -18.42%	Commod. -1.06%	Commod9.52%	Commod17.00%	Commod24.60%	Cash 0.25%	Cash 0.71%	Emerging Markets -14.58%	Cash 2.30%	US Bonds 0.18%

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



PLAN ASSET ALLOCATION

All Plans - Combined Fourth Quarter 2019

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$279,248,920	22.5%
Voya Fixed Account	-	\$79,097,265	6.4%
Voya Government Money Market A	VYAXX	\$11,705	0.0%
Loomis Sayles Investment Grade Bond Y	LSIIX	\$27,544,650	2.2%
Invesco Oppenheimer International Bd R6	OIBIX	\$4,747,686	0.4%
Pioneer Global High Yield Y	GHYYX	\$7,078,006	0.6%
	Total	\$397,728,232	32.1%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$126,725,981	10.2%
American Funds Growth Fund of America R6	RGAGX	\$115,481,438	9.3%
	Total	\$242,207,420	19.5%

Mid Cap	Ticker	Assets	%
Vanguard Mid Cap Index Instl	VMCIX	\$63,788,852	5.1%
	Total	\$63,788,852	5.1%

Small Cap	Ticker	Assets	%
Invesco Small Cap Value Y	VSMIX	\$8,341,283	0.7%
Vanguard Small Cap Index Instl	VSCIX	\$43,152,553	3.5%
Baron Growth Instl	BGRIX	\$38,400,180	3.1%
	Total	\$89,894,017	7.3%

International	Ticker	Assets	%
Dodge & Cox International Stock	DODFX	\$12,026,897	1.0%
Vanguard Total Intl Stock Index I	VTSNX	\$26,615,122	2.1%
American Funds Capital World Gr & Inc R6	RWIGX	\$51,829,624	4.2%
	Total	\$90,471,643	7.3%

Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$28,982,479	2.3%
Moderate Allocation Portfolio	-	\$83,892,714	6.8%
Aggressive Allocation Portfolio	-	\$59,849,924	4.8%
Vanguard Instl Target Retirement Income Instl	VITRX	\$6,099,647	0.5%
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$28,978,933	2.3%
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$582,716	0.0%
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$45,248,285	3.6%
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$380,655	0.0%
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$40,692,069	3.3%
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$22,318	0.0%
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$26,326,685	2.1%
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$38,551	0.0%
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$43,629	0.0%
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$49,909	0.0%
	Total	\$321,188,516	25.9%

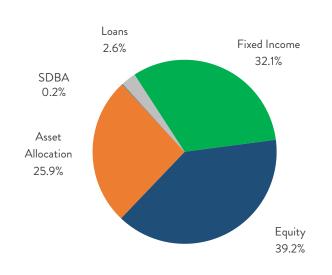
Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	1	\$2,557,175	0.2%
Participant Loans	-	\$32,006,196	2.6%
	Total	\$34,563,371	2.8%

TOTAL PLAN ASSETS

\$1,239,842,051

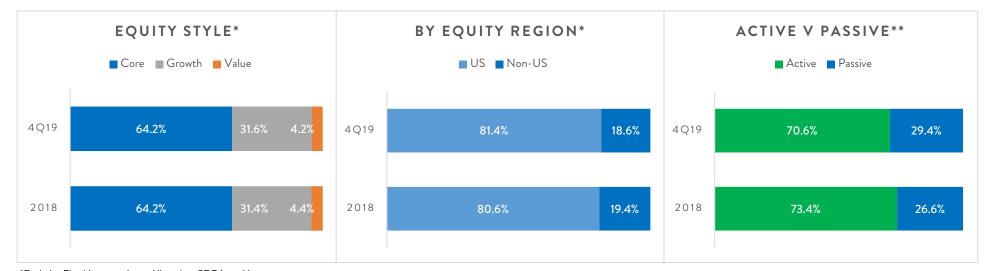
Fourth Quarter 2019

All Plans - Combined



HISTORICAL PLAN ALLOCATION

Asset Class	4Q19	2018	2017	2016	2015	2014	2013	2012
Fixed Income	32.1%	36.1%	N/A	N/A	N/A	N/A	N/A	N/A
Large Cap	19.5%	18.3%	N/A	N/A	N/A	N/A	N/A	N/A
Mid Cap	5.1%	4.7%	N/A	N/A	N/A	N/A	N/A	N/A
Small Cap	7.3%	6.5%	N/A	N/A	N/A	N/A	N/A	N/A
International	7.3%	7.1%	N/A	N/A	N/A	N/A	N/A	N/A
Asset Allocation	25.9%	24.2%	N/A	N/A	N/A	N/A	N/A	N/A
SDBA	0.2%	0.2%	N/A	N/A	N/A	N/A	N/A	N/A
Loans	2.6%	2.9%	N/A	N/A	N/A	N/A	N/A	N/A



^{*}Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

^{**}Excludes Asset Allocation, SDBA, and Loan assets

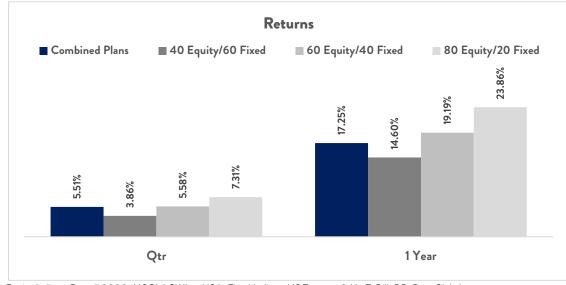
All Plans - Combined Fourth Quarter 2019

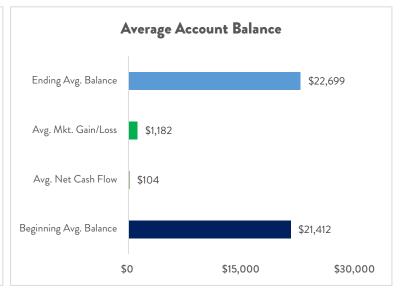
PLAN LEVEL CASH FLOWS

				Market	
eginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
\$392,693,547	\$8,148,661	(\$8,409,124)	\$2,500,319	\$2,794,829	\$397,728,232
\$220,781,256	\$3,312,639	(\$2,839,244)	(\$1,415,475)	\$22,368,244	\$242,207,420
\$59,497,830	\$918,036	(\$754,288)	\$35,946	\$4,091,328	\$63,788,852
\$82,982,740	\$1,557,584	(\$959,613)	(\$716,998)	\$7,030,305	\$89,894,017
\$83,658,640	\$1,455,217	(\$1,068,494)	(\$1,383,609)	\$7,809,888	\$90,471,643
\$297,267,413	\$8,486,901	(\$4,289,425)	\$1,068,338	\$18,655,289	\$321,188,516
\$2,494,881	\$0	\$0	(\$88,521)	\$150,815	\$2,557,175
51,139,376,305	\$23,879,038	(\$18,320,188)	\$0	\$62,900,699	\$1,207,835,855
\$ 4	\$392,693,547 \$220,781,256 \$59,497,830 \$82,982,740 \$83,658,640 \$297,267,413 \$2,494,881	\$392,693,547 \$8,148,661 \$220,781,256 \$3,312,639 \$59,497,830 \$918,036 \$82,982,740 \$1,557,584 \$83,658,640 \$1,455,217 \$297,267,413 \$8,486,901 \$2,494,881 \$0	\$8,148,661 (\$8,409,124) \$220,781,256 \$3,312,639 (\$2,839,244) \$59,497,830 \$918,036 (\$754,288) \$82,982,740 \$1,557,584 (\$959,613) \$83,658,640 \$1,455,217 (\$1,068,494) \$297,267,413 \$8,486,901 (\$4,289,425) \$2,494,881 \$0 \$0	\$392,693,547 \$8,148,661 (\$8,409,124) \$2,500,319 \$220,781,256 \$3,312,639 (\$2,839,244) (\$1,415,475) \$59,497,830 \$918,036 (\$754,288) \$35,946 \$82,982,740 \$1,557,584 (\$959,613) (\$716,998) \$83,658,640 \$1,455,217 (\$1,068,494) (\$1,383,609) \$297,267,413 \$8,486,901 (\$4,289,425) \$1,068,338 \$2,494,881 \$0 \$0 (\$88,521)	\$392,693,547 \$8,148,661 (\$8,409,124) \$2,500,319 \$2,794,829 \$220,781,256 \$3,312,639 (\$2,839,244) (\$1,415,475) \$22,368,244 \$59,497,830 \$918,036 (\$754,288) \$35,946 \$4,091,328 \$82,982,740 \$1,557,584 (\$959,613) (\$716,998) \$7,030,305 \$83,658,640 \$1,455,217 (\$1,068,494) (\$1,383,609) \$7,809,888 \$297,267,413 \$8,486,901 (\$4,289,425) \$1,068,338 \$18,655,289 \$2,494,881 \$0 \$0 (\$88,521) \$150,815

HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
4Q19	\$1,139,376,305	\$5,558,850	\$62,900,699	\$1,207,835,855
YTD	\$1,007,761,280	\$24,519,560	\$175,555,015	\$1,207,835,855
2018	N/A	N/A	N/A	\$1,007,761,280
2017	N/A	N/A	N/A	N/A
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A
2014	N/A	N/A	N/A	N/A





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

Aggregate Bond (rebalanced quarterly)

PLAN ASSET ALLOCATION

457 Deferred Compensation Plan

Fourth Quarter 2019

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$196,578,743	22.7%
Loomis Sayles Investment Grade Bond Y	LSIIX	\$23,384,765	2.7%
Invesco Oppenheimer International Bd R6	OIBIX	\$3,834,433	0.4%
Pioneer Global High Yield Y	GHYYX	\$5,461,563	0.6%
	Total	\$229,259,504	26.5%

International	Ticker	Assets	%
Dodge & Cox International Stock	DODFX	\$9,888,085	1.1%
Vanguard Total Intl Stock Index I	VTSNX	\$22,505,814	2.6%
American Funds Capital World Gr & Inc R6	RWIGX	\$44,481,872	5.1%
	Total	\$76,875,771	8.9%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$102,403,252	11.8%
American Funds Growth Fund of America R6	RGAGX	\$92,763,341	10.7%
	Total	\$195,166,593	22.6%

	Total	\$195,166,593	22.6%
American Funds Growth Fund of America R6	RGAGX	\$92,763,341	10.7%
Vanguard Institutional Index Insti Plus	VIIIX	\$102,403,252	11.8%

Mid Cap	Ticker	Assets	%
Vanguard Mid Cap Index Instl	VMCIX	\$50,812,497	5.9%
	Total	\$50,812,497	5.9%

Small Cap	Ticker	Assets	%
Invesco Small Cap Value Y	VSMIX	\$6,387,054	0.7%
Vanguard Small Cap Index Instl	VSCIX	\$35,621,245	4.1%
Baron Growth Instl	BGRIX	\$31,377,590	3.6%
	Total	\$73,385,888	8.5%

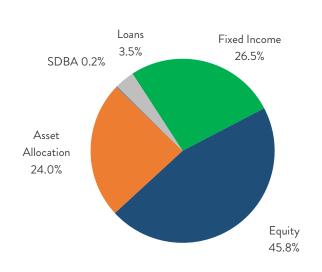
Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$20,692,295	2.4%
Moderate Allocation Portfolio	-	\$62,805,664	7.3%
Aggressive Allocation Portfolio	-	\$46,743,883	5.4%
Vanguard Instl Target Retirement Income Instl	VITRX	\$3,625,066	0.4%
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$12,020,820	1.4%
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$422,954	0.0%
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$18,133,421	2.1%
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$112,143	0.0%
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$22,099,982	2.6%
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$19,079	0.0%
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$20,405,266	2.4%
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$36,995	0.0%
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$41,752	0.0%
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$49,505	0.0%
	Total	\$207,208,825	24.0%

Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account		\$2,079,554	0.2%
Participant Loans	-	\$29,916,362	3.5%
	Total	\$31,995,916	3.7%

TOTAL PLAN ASSETS \$864,704,996

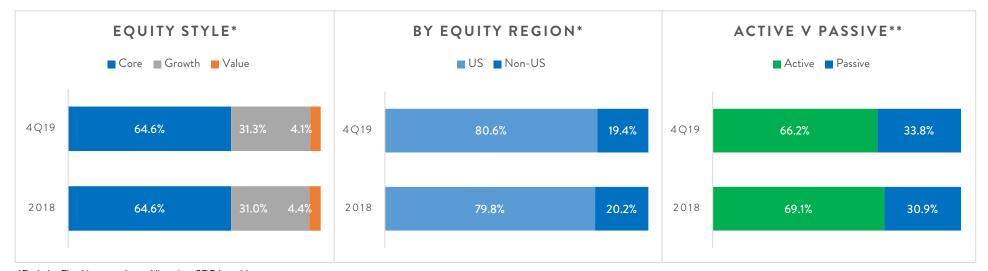
Fourth Quarter 2019

457 Deferred Compensation Plan



HISTORICAL PLAN ALLOCATION

Asset Class	4Q19	2018	2017	2016	2015	2014	2013	2012
Fixed Income	26.5%	30.2%	N/A	N/A	N/A	N/A	N/A	N/A
Large Cap	22.6%	21.4%	N/A	N/A	N/A	N/A	N/A	N/A
Mid Cap	5.9%	5.4%	N/A	N/A	N/A	N/A	N/A	N/A
Small Cap	8.5%	7.6%	N/A	N/A	N/A	N/A	N/A	N/A
International	8.9%	8.7%	N/A	N/A	N/A	N/A	N/A	N/A
Asset Allocation	24.0%	22.5%	N/A	N/A	N/A	N/A	N/A	N/A
SDBA	0.2%	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
Loans	3.5%	3.9%	N/A	N/A	N/A	N/A	N/A	N/A



^{*}Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

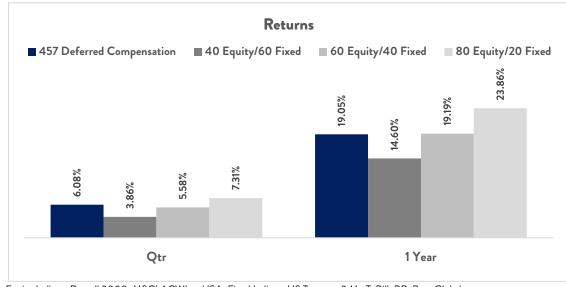
^{**}Excludes Asset Allocation, SDBA, and Loan assets

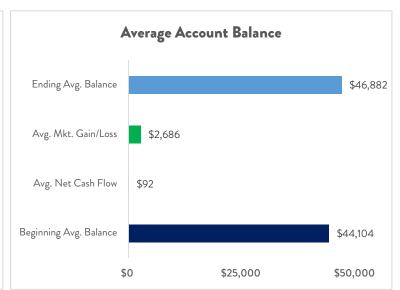
PLAN LEVEL CASH FLOWS

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$225,921,528	\$2,502,323	(\$5,133,762)	\$4,182,289	\$1,787,126	\$229,259,504
Large Cap	\$177,970,439	\$2,396,798	(\$2,459,217)	(\$755,545)	\$18,014,119	\$195,166,593
Mid Cap	\$47,318,396	\$743,164	(\$623,475)	\$119,138	\$3,255,274	\$50,812,497
Small Cap	\$68,042,414	\$1,242,626	(\$865,378)	(\$780,776)	\$5,747,003	\$73,385,888
International	\$71,247,075	\$1,205,408	(\$962,414)	(\$1,251,692)	\$6,637,394	\$76,875,771
Asset Allocation	\$192,812,415	\$6,729,540	(\$3,133,546)	(\$1,471,187)	\$12,271,604	\$207,208,825
SDBA	\$2,001,976	\$0	\$0	(\$42,226)	\$119,804	\$2,079,554
Total	\$785,314,243	\$14,819,859	(\$13,177,792)	\$0	\$47,832,324	\$834,788,633

HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
4Q19	\$785,314,243	\$1,642,066	\$47,832,324	\$834,788,633
YTD	\$691,312,582	\$10,850,129	\$132,625,923	\$834,788,633
2018	N/A	N/A	N/A	\$691,312,582
2017	N/A	N/A	N/A	N/A
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A
2014	N/A	N/A	N/A	N/A





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

Aggregate Bond (rebalanced quarterly)

PLAN ASSET ALLOCATION

401(a) Defined Contribution Plan Fourth Quarter 2019

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$1,400,259	5.7%
Loomis Sayles Investment Grade Bond Y	LSIIX	\$154,140	0.6%
Invesco Oppenheimer International Bd R6	OIBIX	\$40,794	0.2%
Pioneer Global High Yield Y	GHYYX	\$49,585	0.2%
	Total	\$1,644,778	6.7%

International	Ticker	Assets	%
Dodge & Cox International Stock	DODFX	\$61,033	0.2%
Vanguard Total Intl Stock Index I	VTSNX	\$156,219	0.6%
American Funds Capital World Gr & Inc R6	RWIGX	\$128,077	0.5%
	Total	\$345,329	1.4%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$726,072	2.9%
American Funds Growth Fund of America R6	RGAGX	\$477,128	1.9%
	Total	\$1,203,199	4.9%

	Total	\$1,203,199	4.9%
Mid Cap	Ticker	Assets	%
Vanguard Mid Cap Index Instl	VMCIX	\$380,944	1.5%

Total

\$380,944

1.5%

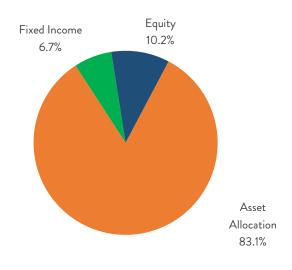
Small Cap	Ticker	Assets	%
Invesco Small Cap Value Y	VSMIX	\$113,975	0.5%
Vanguard Small Cap Index Instl	VSCIX	\$228,413	0.9%
Baron Growth Instl	BGRIX	\$250,714	1.0%
	Total	\$593,102	2.4%

Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$679,119	2.8%
Moderate Allocation Portfolio	-	\$998,959	4.1%
Aggressive Allocation Portfolio	-	\$960,719	3.9%
Vanguard Instl Target Retirement Income Instl	VITRX	\$607,905	2.5%
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$3,757,058	15.2%
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$7,664	0.0%
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$6,221,141	25.2%
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$609	0.0%
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$5,323,105	21.6%
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$1,369	0.0%
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$1,917,655	7.8%
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$754	0.0%
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$123	0.0%
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$314	0.0%
	Total	\$20,476,496	83.1%

TOTAL PLAN ASSETS \$24,643,848

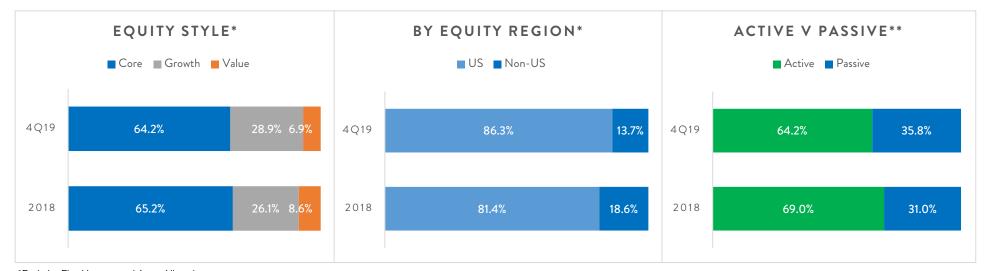
Fourth Quarter 2019

401(a) Defined Contribution Plan



HISTORICAL PLAN ALLOCATION

Asset Class	4Q19	2018	2017	2016	2015	2014	2013	2012
Fixed Income	6.7%	8.7%	N/A	N/A	N/A	N/A	N/A	N/A
Large Cap	4.9%	4.3%	N/A	N/A	N/A	N/A	N/A	N/A
Mid Cap	1.5%	1.4%	N/A	N/A	N/A	N/A	N/A	N/A
Small Cap	2.4%	1.9%	N/A	N/A	N/A	N/A	N/A	N/A
International	1.4%	1.7%	N/A	N/A	N/A	N/A	N/A	N/A
Asset Allocation	83.1%	82.0%	N/A	N/A	N/A	N/A	N/A	N/A



^{*}Excludes Fixed Income and Asset Allocation assets

^{**}Excludes Asset Allocation assets

Fourth Quarter 2019

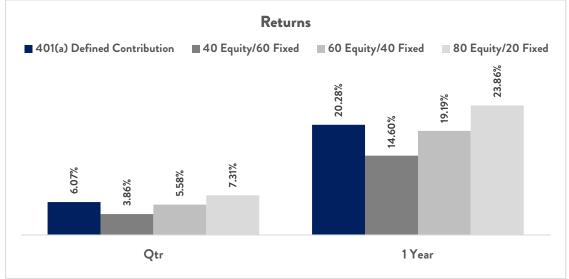
PLAN LEVEL CASH FLOWS

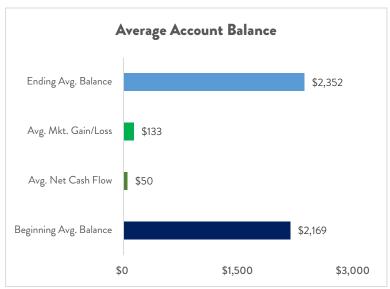
401(a) Defined Contribution Plan

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$1,628,067	\$41,698	(\$38,501)	(\$76)	\$13,591	\$1,644,778
Large Cap	\$1,059,485	\$41,853	(\$8,843)	\$3,036	\$107,668	\$1,203,199
Mid Cap	\$341,753	\$12,462	(\$610)	\$3,001	\$24,339	\$380,944
Small Cap	\$514,480	\$25,378	(\$848)	\$7,418	\$46,675	\$593,102
International	\$303,680	\$9,425	(\$278)	\$3,126	\$29,377	\$345,329
Asset Allocation	\$18,882,383	\$559,386	(\$121,892)	(\$16,504)	\$1,173,123	\$20,476,496
Total	\$22,729,847	\$690,201	(\$170,973)	\$0	\$1,394,773	\$24,643,848

HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
4Q19	\$22,729,847	\$519,228	\$1,394,773	\$24,643,848
YTD	\$18,802,415	\$1,890,811	\$3,950,623	\$24,643,848
2018	N/A	N/A	N/A	\$18,802,415
2017	N/A	N/A	N/A	N/A
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A





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

PLAN ASSET ALLOCATION

401(k) Defined Contribution Plan Fourth Quarter 2019

Fixed Income	Ticker	Assets	%
Stabilizer	-	\$43,363,671	26.2%
Loomis Sayles Investment Grade Bond Y	LSIIX	\$3,703,651	2.2%
Invesco Oppenheimer International Bd R6	OIBIX	\$708,790	0.4%
Pioneer Global High Yield Y	GHYYX	\$1,351,320	0.8%
	Total	\$49,127,433	29.7%

International	Ticker	Assets	%
Dodge & Cox International Stock	DODFX	\$1,846,609	1.1%
Vanguard Total Intl Stock Index I	VTSNX	\$3,657,704	2.2%
American Funds Capital World Gr & Inc R6	RWIGX	\$6,775,888	4.1%
	Total	\$12,280,201	7.4%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$21,411,955	12.9%
American Funds Growth Fund of America R6	RGAGX	\$19,621,299	11.9%
	Total	\$41,033,254	24.8%

	Total	\$41,033,254	24.8%
American Funds Growth Fund of America R6	RGAGX	\$19,621,299	11.9%

Mid Cap	Ticker	Assets	%
Vanguard Mid Cap Index Instl	VMCIX	\$10,432,145	6.3%
	Total	\$10,432,145	6.3%

Small Cap	Ticker	Assets	%
Invesco Small Cap Value Y	VSMIX	\$1,427,094	0.9%
Vanguard Small Cap Index Instl	VSCIX	\$6,457,402	3.9%
Baron Growth Instl	BGRIX	\$5,430,998	3.3%
	Total	\$13,315,494	8.1%

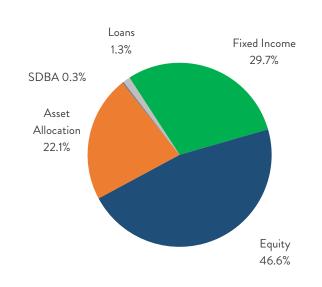
Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$6,150,003	3.7%
Moderate Allocation Portfolio	-	\$15,329,299	9.3%
Aggressive Allocation Portfolio	-	\$7,235,879	4.4%
Vanguard Instl Target Retirement Income Instl	VITRX	\$339,833	0.2%
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$1,692,509	1.0%
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$145,170	0.1%
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$2,398,174	1.5%
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$267,903	0.2%
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$1,725,250	1.0%
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$1,870	0.0%
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$1,323,060	0.8%
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$802	0.0%
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$1,755	0.0%
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$0	0.0%
	Total	\$36,611,507	22.1%

Miscellaneous	Ticker	Assets	%
Self-Directed Brokerage Account	-	\$477,621	0.3%
Participant Loans	-	\$2,089,834	1.3%
	Total	\$2,567,455	1.6%

TOTAL PLAN ASSETS \$165,367,490

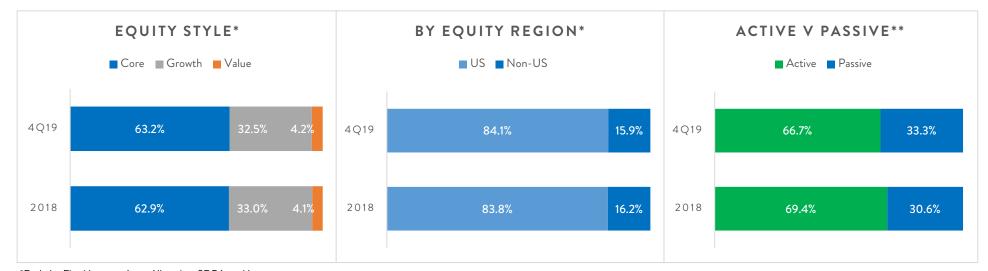
Fourth Quarter 2019

401(k) Defined Contribution Plan



HISTORICAL PLAN ALLOCATION

Asset Class	4Q19	2018	2017	2016	2015	2014	2013	2012
Fixed Income	29.7%	32.9%	N/A	N/A	N/A	N/A	N/A	N/A
Large Cap	24.8%	23.1%	N/A	N/A	N/A	N/A	N/A	N/A
Mid Cap	6.3%	5.8%	N/A	N/A	N/A	N/A	N/A	N/A
Small Cap	8.1%	7.4%	N/A	N/A	N/A	N/A	N/A	N/A
International	7.4%	7.0%	N/A	N/A	N/A	N/A	N/A	N/A
Asset Allocation	22.1%	22.1%	N/A	N/A	N/A	N/A	N/A	N/A
SDBA	0.3%	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
Loans	1.3%	1.4%	N/A	N/A	N/A	N/A	N/A	N/A



^{*}Excludes Fixed Income, Asset Allocation, SDBA, and Loan assets

^{**}Excludes Asset Allocation, SDBA, and Loan assets

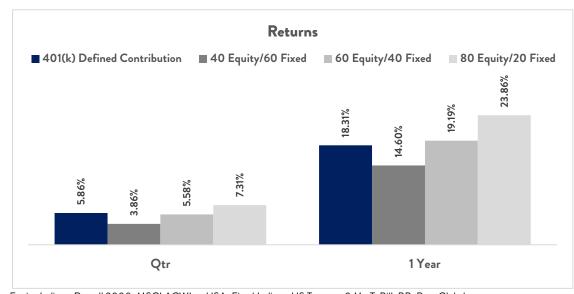
401(k) Defined Contribution Plan Fourth Quarter 2019

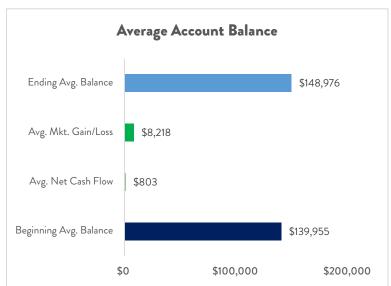
PLAN LEVEL CASH FLOWS

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$48,650,115	\$545,045	(\$1,206,062)	\$745,914	\$392,420	\$49,127,433
Large Cap	\$37,417,837	\$873,988	(\$303,256)	(\$754,497)	\$3,799,182	\$41,033,254
Mid Cap	\$9,800,839	\$162,410	(\$101,198)	(\$102,806)	\$672,901	\$10,432,145
Small Cap	\$12,131,934	\$288,927	(\$74,467)	(\$65,409)	\$1,034,509	\$13,315,494
International	\$11,195,878	\$240,328	(\$96,381)	(\$117,197)	\$1,057,573	\$12,280,201
Asset Allocation	\$33,701,267	\$1,197,193	(\$646,441)	\$340,291	\$2,019,196	\$36,611,507
SDBA	\$492,905	\$0	\$0	(\$46,295)	\$31,011	\$477,621
Total	\$153,390,776	\$3,307,892	(\$2,427,804)	\$0	\$9,006,793	\$163,277,656

HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
4Q19	\$153,390,776	\$880,088	\$9,006,793	\$163,277,656
YTD	\$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
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A
2014	N/A	N/A	N/A	N/A





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

Aggregate Bond (rebalanced quarterly)

Fourth Quarter 2019

PST Deferred Compensation Retirement Plan

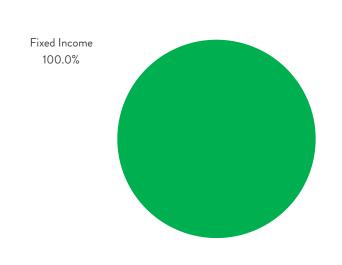
HISTORICAL PLAN CASH FLOWS

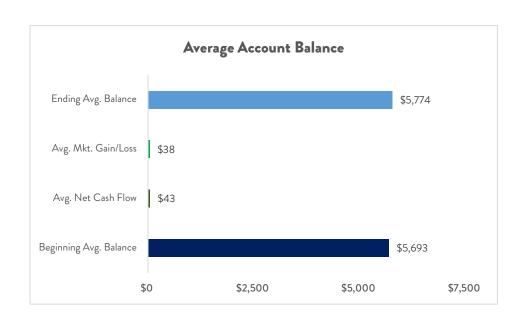
Fixed Income	Ticker	Assets	%
Stabilizer	-	\$37,906,246	100.0%
	Total	\$37,906,246	100.0%

	Beginning Value	Net Cash Flow	Market Gain/Loss	Ending Value
4Q19	\$37,374,391	\$281,833	\$250,022	\$37,906,246
YTD	\$36,665,327	\$292,121	\$948,798	\$37,906,246
2018	N/A	N/A	N/A	\$36,665,327
2017	N/A	N/A	N/A	N/A
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A

TOTAL PLAN ASSETS

\$37,906,246





PLAN ASSET ALLOCATION

Retirement Medical Trust Fourth Quarter 2019

Fixed Income	Ticker	Assets	%
Voya Fixed Account	-	\$79,097,265	53.7%
Voya Government Money Market A	VYAXX	\$11,705	0.0%
Loomis Sayles Investment Grade Bond Y	LSIIX	\$302,093	0.2%
Invesco Oppenheimer International Bd R6	OIBIX	\$163,668	0.1%
Pioneer Global High Yield Y	GHYYX	\$215,538	0.1%
	Total	\$79,790,269	54.2%

International	Ticker	Assets	%
Dodge & Cox International Stock	DODFX	\$231,171	0.2%
Vanguard Total Intl Stock Index I	VTSNX	\$295,385	0.2%
American Funds Capital World Gr & Inc R6	RWIGX	\$443,786	0.3%
	Total	\$970,341	0.7%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$2,184,702	1.5%
American Funds Growth Fund of America R6	RGAGX	\$2,619,671	1.8%
	Total	\$4,804,373	3.3%

Large Cap	Ticker	Assets	%
Vanguard Institutional Index Instl Plus	VIIIX	\$2,184,702	1.5%
American Funds Growth Fund of America R6	RGAGX	\$2,619,671	1.8%
	Total	\$4,804,373	3.3%

Mid Cap	Ticker	Assets	%
Vanguard Mid Cap Index Instl	VMCIX	\$2,163,266	1.5%
	Total	\$2,163,266	1.5%

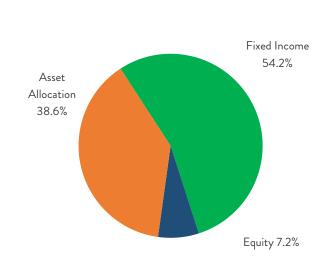
Small Cap	Ticker	Assets	%
Invesco Small Cap Value Y	VSMIX	\$413,160	0.3%
Vanguard Small Cap Index Instl	VSCIX	\$845,494	0.6%
Baron Growth Instl	BGRIX	\$1,340,878	0.9%
	Total	\$2,599,532	1.8%

Asset Allocation	Ticker	Assets	%
Conservative Allocation Portfolio	-	\$1,461,061	1.0%
Moderate Allocation Portfolio	-	\$4,758,793	3.2%
Aggressive Allocation Portfolio	-	\$4,909,442	3.3%
Vanguard Instl Target Retirement Income Instl	VITRX	\$1,526,843	1.0%
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$11,508,546	7.8%
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$6,929	0.0%
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$18,495,549	12.6%
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$0	0.0%
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$11,543,733	7.8%
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$0	0.0%
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$2,680,705	1.8%
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$0	0.0%
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$0	0.0%
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$90	0.0%
	Total	\$56,891,689	38.6%

TOTAL PLAN ASSETS

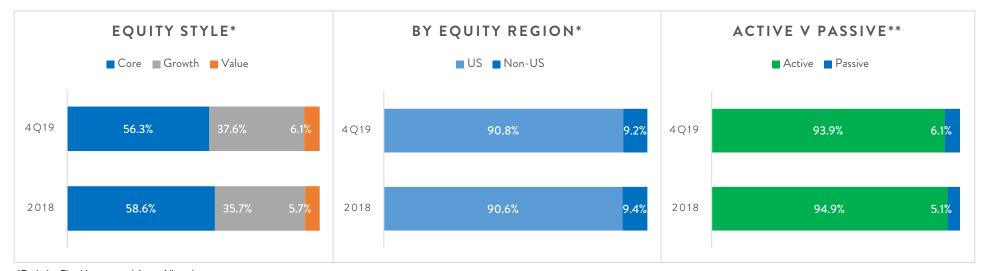
\$147,219,470

Retirement Medical Trust Fourth Quarter 2019



HISTORICAL PLAN ALLOCATION

Asset Class	4Q19	2018	2017	2016	2015	2014	2013	2012
Fixed Income	54.2%	59.5%	N/A	N/A	N/A	N/A	N/A	N/A
Large Cap	3.3%	2.8%	N/A	N/A	N/A	N/A	N/A	N/A
Mid Cap	1.5%	1.3%	N/A	N/A	N/A	N/A	N/A	N/A
Small Cap	1.8%	1.4%	N/A	N/A	N/A	N/A	N/A	N/A
International	0.7%	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
Asset Allocation	38.6%	34.3%	N/A	N/A	N/A	N/A	N/A	N/A



^{*}Excludes Fixed Income and Asset Allocation assets

^{**}Excludes Asset Allocation assets

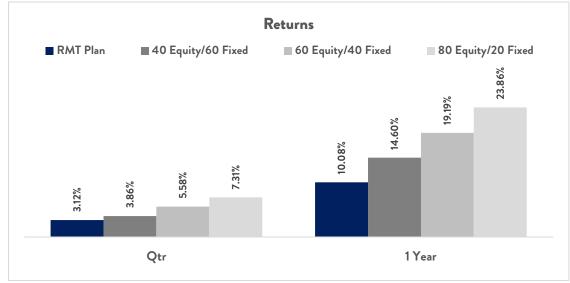
Retirement Medical Trust Fourth Quarter 2019

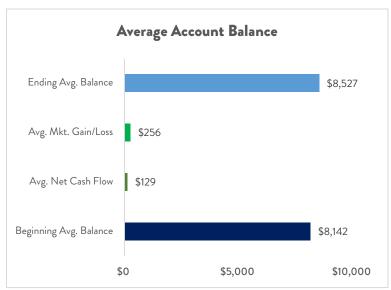
PLAN LEVEL CASH FLOWS

		Cash Flow	Cash Flow		Market	
	Beginning Value	(+)	(-)	Transfer	Gain/Loss	Ending Value
Fixed Income	\$79,119,445	\$4,136,738	(\$1,389,776)	(\$2,427,808)	\$351,671	\$79,790,269
Large Cap	\$4,333,494	\$0	(\$67,928)	\$91,531	\$447,275	\$4,804,373
Mid Cap	\$2,036,843	\$0	(\$29,005)	\$16,613	\$138,815	\$2,163,266
Small Cap	\$2,293,912	\$653	(\$18,920)	\$121,770	\$202,117	\$2,599,532
International	\$912,006	\$56	(\$9,420)	(\$17,845)	\$85,544	\$970,341
Asset Allocation	\$51,871,348	\$782	(\$387,546)	\$2,215,739	\$3,191,366	\$56,891,689
Total	\$140,567,048	\$4,138,228	(\$1,902,594)	\$0	\$4,416,789	\$147,219,470

HISTORICAL PLAN CASH FLOWS

			Market	
	Beginning Value	Net Cash Flow	Gain/Loss	Ending Value
4Q19	\$140,567,048	\$2,235,634	\$4,416,789	\$147,219,470
YTD	\$124,574,529	\$9,670,091	\$12,974,851	\$147,219,470
2018	N/A	N/A	N/A	\$124,574,529
2017	N/A	N/A	N/A	N/A
2016	N/A	N/A	N/A	N/A
2015	N/A	N/A	N/A	N/A





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

Section 3

INVESTMENT POLICY STATEMENT COMPLIANCE REPORT

All Plans - Combined Fourth Quarter 2019

Key: 🕑	Pass /	lacksquare	Fa

Stabilizer Voya Fixed Account Voya Government Money Market A Loomis Sayles Investment Grade Bond Y Invesco Oppenheimer International Bd R6

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

Proposed Investment Policy Status

On-Watch	
Date Initiated	Notes
-	
-	
-	Trailing Benchmark and Peer Group for 5 year period.
-	To be replaced with Sterling Capital Total Return Bond R6 (STRDX).
-	To be replaced with Sterling Capital Total Return Bond R6 (STRDX).
4Q2018	Trailing Benchmark and Peer Group for 5 year period. To be replaced with Sterling
	Capital Total Return Bond R6 (STRDX).

Vanguard Institutional Index Instl Plus American Funds Growth Fund of America R6 Vanguard Mid Cap Index Instl

Invesco Small Cap Value Y

Pioneer Global High Yield Y

Vanguard Small Cap Index Instl Baron Growth Instl

Dodge & Cox International Stock

Vanguard Total Intl Stock Index I

American Funds Capital World Gr & Inc R6

P	P
P	P
P	P
•	P
P	P
P	P
P	P
P	P
P	P

-	To be replaced with Fidelity 500 Index Instl Premium (FXAIX).
-	To be replaced with Hartford Core Equity (HAITX).
-	To be replaced with Fidelity Mid Cap Index (FSMDX).
202019	Trailing Benchmark and Peer Group for 5 year period. To be replaced with
3Q2018	Schroders Small Cap.
-	To be replaced with Fidelity Small Cap Index (FSSNX).
-	
202019	Placed on watch due to underperformance. To be replaced with MFS International
3Q2018	Diversification R6 (MDIZX).
_	To be replaced with Fidelity Total International Index Instl Premium (FTIHX).
	- S S S S S S S S S S S S S S S S S S S
-	To be replaced with MFS International Diversification R6 (MDIZX).

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

P	P
P	P
P	P
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P	P
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INVESTMENT POLICY STATEMENT COMPLIANCE REPORT

All Plans - Combined Fourth Quarter 2019

Key: 🕑	Pass /	Fail
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Vanguard Instl Target Retirement 2040 Instl Vanguard Instl Target Retirement 2045 Instl Vanguard Instl Target Retirement 2050 Instl Vanguard Instl Target Retirement 2055 Instl Vanguard Instl Target Retirement 2060 Instl Vanguard Instl Target Retirement 2065 Instl

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

Proposed Investment Policy Status

l .	/
On-Watch	
Date Initiated	Notes
-	
-	
-	
-	
-	
-	

PERFORMANCE REVIEW

					Annualized	1						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Stabilizer	0.67	2.59	2.59	2.53	2.47	2.36	2.50	N/A	N/A	N/A	N/A	N/A
5 Yr Constant Maturity US Treasury Yield	0.40	1.96	1.96	2.20	1.92	1.66	2.75	1.91	1.44	1.53	1.64	1.16
+/- Index	0.27	0.63	0.63	0.33	0.55	0.70	(0.25)	-	-	-	-	-
US Stable Value	5	8	8	6	5	19	8	N/A	N/A	N/A	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Voya Fixed Account	0.43	1.85	1.85	1.89	2.03	2.36	1.90	N/A	N/A	N/A	N/A	N/A
5 Yr Constant Maturity US Treasury Yield	0.40	1.96	1.96	2.20	1.92	1.66	2.75	1.91	1.44	1.53	1.64	1.16
+/- Index	0.03	(0.11)	(0.11)	(0.31)	0.11	0.70	(0.85)	-	-	-	-	-
US Stable Value	89	83	83	44	19	19	43	N/A	N/A	N/A	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Voya Government Money Market A	0.32	1.88	1.88	1.22	0.75	0.38	1.50	0.26	0.08	0.02	0.01	0.02
US 90 Day T-Bill	0.39	2.06	2.06	1.64	1.06	0.56	1.94	0.93	0.32	0.05	0.03	0.06
+/- Index	(0.07)	(0.18)	(0.18)	(0.42)	(0.31)	(0.18)	(0.43)	(0.67)	(0.24)	(0.03)	(0.02)	(0.03)
US Money Market - Taxable	68	45	45	55	51	52	45	76	43	25	26	14
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Loomis Sayles Investment Grade Bond Y	0.46	9.04	9.04	5.05	3.16	5.06	-0.32	6.66	6.16	-5.08	5.14	1.36
BBgBarc Capital US Aggregate Bond Index	0.18	8.72	8.72	4.03	3.05	3.75	0.01	3.54	2.65	0.55	5.97	-2.02
+/- Index	0.28	0.33	0.33	1.02	0.11	1.31	(0.33)	3.12	3.51	(5.63)	(0.83)	3.38
								_				_
US Fund Intermediate Core-Plus Bond	40	57	57	10	54	13	31	3	7	99	62	7
US Fund Intermediate Core-Plus Bond	40 QTR	57 YTD	57 1Yr	10 3Yr	54 5Yr	13 10Yr	2018	2017	2016	99 2015	2014	2013
US Fund Intermediate Core-Plus Bond Invesco Oppenheimer International Bd R6												
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Invesco Oppenheimer International Bd R6	QTR 4.61	YTD 10.05	1Yr 10.05	3Yr 4.93	5Yr 3.59	10Yr 3.30	2018 -5.53	2017	2016 6.79	2015	2014	2013

PERFORMANCE REVIEW

				,	Annualized	1						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Pioneer Global High Yield Y	4.16	13.64	13.64	5.92	4.89	5.90	-5.13	10.21	13.57	-5.92	-1.72	5.07
BBgBarc Global High Yield Index	3.50	12.56	12.56	6.05	5.80	7.26	-4.06	10.43	14.27	-2.72	0.01	7.33
+/- Index	0.66	1.08	1.08	(0.13)	(0.91)	(1.36)	(1.07)	(0.22)	(0.70)	(3.20)	(1.73)	(2.26)
US Fund High Yield Bond	1	46	46	30	53	80	93	3	48	82	95	85
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Institutional Index Instl Plus	9.07	31.48	31.48	15.26	11.69	13.55	-4.41	21.82	11.95	1.39	13.68	32.37
S&P 500 Index	9.07	31.49	31.49	15.27	11.70	13.56	-4.38	21.83	11.96	1.38	13.69	32.39
+/- Index	0.00	0.00	0.00	(0.02)	(0.01)	(0.01)	(0.02)	(0.02)	(0.01)	0.01	(0.01)	(0.02)
US Fund Large Blend	29	23	23	17	10	7	25	28	26	20	18	41
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
American Funds Growth Fund of America R6	11.32	28.54	28.54	16.57	12.75	13.31	-2.60	26.53	8.82	5.70	9.63	34.29
Russell 1000 Growth Index	10.62	36.39	36.39	20.49	14.63	15.22	-1.51	30.21	7.08	5.67	13.05	33.48
+/- Index	0.70	(7.85)	(7.85)	(3.92)	(1.88)	(1.90)	(1.09)	(3.69)	1.74	0.03	(3.42)	0.81
US Fund Large Growth	17	80	80	67	44	56	53	57	9	34	56	44
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Mid Cap Index Instl	6.87	31.04	31.04	12.37	9.26	13.09	-9.24	19.29	11.23	-1.33	13.78	35.17
Vanguard US Mid Cap Index	6.88	31.09	31.09	12.39	9.29	13.13	-9.22	19.30	11.25	-1.28	13.83	35.21
+/- Index	0.00	(0.04)	(0.04)	(0.02)	(0.03)	(0.03)	(0.02)	0.00	(0.02)	(0.05)	(0.04)	(0.04)
US Fund Mid-Cap Blend	55	13	13	11	17	7	32	17	73	17	5	40
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Invesco Small Cap Value Y	10.21	32.35	32.35	5.53	4.96	11.24	-25.11	18.58	18.61	-8.64	7.43	44.55
Russell 2000 Value Index	8.49	22.39	22.39	4.77	6.99	10.56	-12.86	7.84	31.74	-7.47	4.22	34.52
+/- Index	1.72	9.96	9.96	0.76	(2.03)	0.68	(12.25)	10.74	(13.13)	(1.17)	3.21	10.03
US Fund Small Value	12	2	2	25	58	20	98	1	87	76	7	5

PERFORMANCE REVIEW

	QTR					1						
Vanguard Small Can Indox Insti	YIIV	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Small Cap index insti	8.14	27.40	27.40	10.33	8.90	12.83	-9.32	16.25	18.32	-3.63	7.53	37.80
Vanguard US Small Cap Index	8.12	27.35	27.35	10.31	8.86	12.78	-9.33	16.24	18.26	-3.68	7.54	37.77
+/- Index 0	0.02	0.05	0.05	0.02	0.03	0.05	0.01	0.01	0.05	0.05	(0.01)	0.03
US Fund Small Blend	50	18	18	7	17	9	20	13	70	34	13	46
,	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
	8.65	40.50	40.50	20.31	12.18	14.28	-2.67	27.35	6.31	-4.06	4.66	38.69
	11.39	28.48	28.48	12.49	9.34	13.01	-9.31	22.17	11.32	-1.38	5.60	43.30
	(2.74)	12.02	12.02	7.82	2.84	1.27	6.64	5.19	(5.01)	(2.68)	(0.95)	(4.62)
	63	4	4	14	18	24	28	20	80	69	31	63
os i una sinan Growth	03	7	-		10	4-4	20	20	00	0)	J 1	03
•	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Dodge & Cox International Stock	10.61	22.78	22.78	7.67	3.68	5.76	-17.98	23.94	8.26	-11.35	0.08	26.31
MSCI ACWI Ex-USA Value (Net) Index	8.21	15.71	15.71	6.88	3.65	3.64	-13.97	22.66	8.92	-10.06	-5.10	15.04
+/- Index 2	2.40	7.06	7.06	0.78	0.03	2.12	(4.01)	1.28	(0.66)	(1.29)	5.18	11.27
US Fund Foreign Large Value	12	7	7	33	62	15	81	37	11	95	4	8
		\	4).6	0)/	=>/	401/	2212	2247		2245		2212
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
•	9.05	21.56	21.56	9.90	5.88	5.13	-14.39	27.55	4.70	-4.24	-4.15	15.15
•	9.26	21.81	21.81	9.84	5.84	5.13	-14.62	27.41	4.72	-4.29	-3.39	15.76
	(0.21)	(0.25)	(0.25)	0.06 30	0.04	0.01 53	0.22 50	0.14	(0.02)	0.05 79	(0.76)	(0.61)
US Fund Foreign Large Blend	33	51	51	30	29	55	50	23	12	79	33	83
•	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
	9.35	25.74	25.74	12.29	8.22	8.81	-9.97	25.08	6.85	-1.88	4.36	25.28
•	8.95	26.60	26.60	12.44	8.41	8.79	-9.41	23.97	7.86	-2.36	4.16	22.80
	0.40	(0.86)	(0.86)	(0.15)	(0.18)	0.03	(0.55)	1.11	(1.01)	0.49	0.20	2.47
_	27	51	51	43	44	51	56	33	34	55	30	51

PERFORMANCE REVIEW

All Plans - Combined Fourth Quarter 2019

					Annualized	/						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Conservative Allocation Portfolio	3.13	9.55	9.55	5.73	4.56	5.56	-0.82	N/A	N/A	N/A	N/A	N/A
Dow Jones Conservative Index	1.47	8.13	8.13	4.35	3.07	3.97	-0.62	5.73	3.01	-0.63	3.86	1.41
+/- Index	1.66	1.42	1.42	1.38	1.49	1.59	(0.20)	-	-	-	-	-
US Fund Conservative Allocation	49	93	93	63	48	62	1	N/A	N/A	N/A	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Moderate Allocation Portfolio	6.12	18.64	18.64	8.29	6.45	7.99	-6.01	N/A	N/A	N/A	N/A	N/A
Dow Jones Moderate Index	5.41	18.60	18.60	8.99	6.61	7.76	-5.21	15.15	7.67	-1.21	5.35	14.46
+/- Index	0.71	0.04	0.04	(0.70)	(0.16)	0.23	(0.80)	-	-	-	-	-
US Fund Moderate Allocation	16	44	43	41	27	37	50	N/A	N/A	N/A	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Aggressive Allocation Portfolio	7.81	23.80	23.80	10.27	7.43	9.11	-8.33	N/A	N/A	N/A	N/A	N/A
Dow Jones Aggressive Index	8.79	27.13	27.13	12.35	8.93	10.64	-9.45	23.20	10.98	-2.56	6.59	27.00
+/- Index	(0.98)	(3.33)	(3.33)	(2.08)	(1.50)	(1.53)	1.12	-	-	-	-	-
US Fund Aggressive Allocation	26	39	39	43	39	39	50	N/A	N/A	N/A	N/A	N/A
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement Income Instl	2.66	13.20	13.20	6.39	4.83	5.85	-1.98	8.54	5.29	-0.13	5.58	5.91
Vanguard Retirement Income Index	2.72	13.40	13.40	6.50	4.97	5.96	-1.98	8.67	5.35	0.12	5.76	6.03
+/- Index	(0.06)	(0.20)	(0.20)	(0.11)	(0.14)	(0.11)	0.00	(0.13)	(0.06)	(0.25)	(0.18)	(0.12)
US Fund Target-Date Retirement	40	46	46	29	22	16	10	58	38	11	15	47
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2020 Instl	4.47	17.69	17.69	8.76	6.46	8.07	-4.21	14.13	7.04	-0.63	7.16	15.90
Vanguard Retirement 2020 Index	4.55	17.87	17.87	8.87	6.62	8.26	-4.14	14.22	7.17	-0.40	7.37	16.21
+/- Index	(80.0)	(0.18)	(0.18)	(0.11)	(0.16)	(0.19)	(0.07)	(0.09)	(0.13)	(0.23)	(0.21)	(0.31)
US Fund Target-Date 2020	29	22	22	11	10	8	41	13	27	27	1	22

Longer term Institutional share class performance for Vanguard Target Date funds may represent Investor share class performance adjusted for the difference in expense ratios.

PERFORMANCE REVIEW

All Plans - Combined Fourth Quarter 2019

				,	Annualized	d						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2025 Instl	5.25	19.67	19.67	9.63	7.03	8.63	-5.02	15.94	7.56	-0.80	7.22	18.19
Vanguard Retirement 2025 Index	5.36	19.93	19.93	9.76	7.20	8.83	-5.01	16.08	7.66	-0.58	7.45	18.52
+/- Index	(0.11)	(0.26)	(0.26)	(0.13)	(0.17)	(0.20)	(0.01)	(0.14)	(0.10)	(0.22)	(0.23)	(0.33)
US Fund Target-Date 2025	30	17	17	9	10	11	38	22	23	30	5	31
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2030 Instl	6.02	21.14	21.14	10.28	7.46	9.12	-5.82	17.57	7.97	-0.97	7.23	20.55
Vanguard Retirement 2030 Index	6.07	21.33	21.33	10.40	7.61	9.31	-5.74	17.65	8.11	-0.80	7.51	20.88
+/- Index	(0.05)	(0.19)	(0.19)	(0.12)	(0.15)	(0.19)	(80.0)	(80.0)	(0.14)	(0.17)	(0.28)	(0.33)
US Fund Target-Date 2030	28	28	28	19	21	17	32	32	29	36	9	30
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2035 Instl	6.68	22.56	22.56	10.91	7.86	9.59	-6.56	19.14	8.39	-1.21	7.29	22.87
Vanguard Retirement 2035 Index	6.79	22.76	22.76	11.04	8.02	9.77	-6.48	19.24	8.55	-1.02	7.57	23.27
+/- Index	(0.11)	(0.20)	(0.20)	(0.13)	(0.16)	(0.18)	(80.0)	(0.10)	(0.16)	(0.19)	(0.28)	(0.40)
US Fund Target-Date 2035	40	39	39	26	24	15	28	38	27	40	9	28
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2045 Instl	8.02	25.07	25.07	11.86	8.47	10.04	-7.87	21.47	8.94	-1.51	7.22	24.43
Vanguard Retirement 2045 Index	8.15	25.36	25.36	12.01	8.65	10.25	-7.77	21.54	9.13	-1.25	7.61	24.79
+/- Index	(0.13)	(0.29)	(0.29)	(0.15)	(0.18)	(0.21)	(0.10)	(0.07)	(0.19)	(0.26)	(0.39)	(0.36)
US Fund Target-Date 2045	29	32	32	24	21	16	37	23	25	48	13	31
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2050 Instl	8.02	25.05	25.05	11.85	8.47	10.04	-7.87	21.47	8.95	-1.51	7.25	24.41
Vanguard Retirement 2050 Index	8.15	25.36	25.36	12.01	8.65	10.25	-7.77	21.54	9.13	-1.25	7.61	24.79
+/- Index	(0.13)	(0.31)	(0.31)	(0.16)	(0.18)	(0.21)	(0.10)	(0.07)	(0.18)	(0.26)	(0.36)	(0.38)
US Fund Target-Date 2050	31	36	36	26	22	15	30	30	28	51	19	32

Longer term Institutional share class performance for Vanguard Target Date funds may represent Investor share class performance adjusted for the difference in expense ratios.

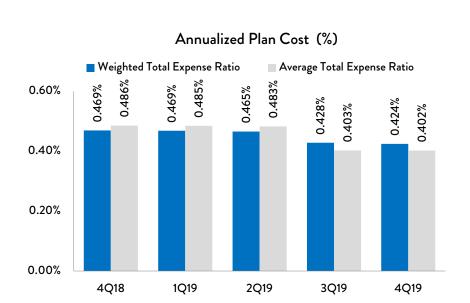
PERFORMANCE REVIEW

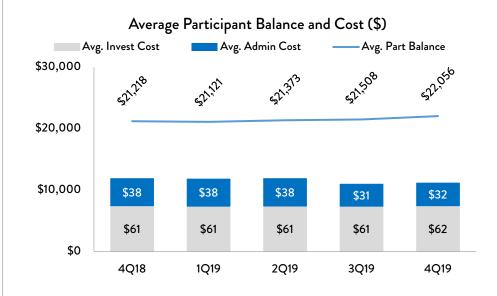
				,	Annualized	/						
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2055 Instl	8.03	25.06	25.06	11.87	8.44	-	-7.84	21.47	8.94	-1.66	7.25	24.39
Vanguard Retirement 2055 Index	8.15	25.36	25.36	12.01	8.65	-	-7.77	21.54	9.13	-1.25	7.61	24.79
+/- Index	(0.12)	(0.30)	(0.30)	(0.14)	(0.21)	-	(0.07)	(0.07)	(0.19)	(0.41)	(0.36)	(0.40)
US Fund Target-Date 2055	35	39	39	29	27	-	30	40	28	53	17	35
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2060 Instl	8.04	25.13	25.13	11.86	8.44	-	-7.88	21.42	8.94	-1.61	7.23	24.42
Vanguard Retirement 2060 Index	8.15	25.36	25.36	12.01	8.65	-	-7.77	21.54	9.13	-1.25	7.61	24.79
+/- Index	(0.11)	(0.23)	(0.23)	(0.15)	(0.21)	-	(0.11)	(0.12)	(0.19)	(0.36)	(0.38)	(0.37)
US Fund Target-Date 2060+	43	47	47	34	55	-	29	43	21	77	10	50
	QTR	YTD	1Yr	3Yr	5Yr	10Yr	2018	2017	2016	2015	2014	2013
Vanguard Instl Target Retirement 2065 Instl	8.01	25.15	25.15			-	-7.84					
Vanguard Retirement 2065 Index	8.15	25.36	25.36	-	-	-	-7.77	-	-	-	-	-
+/- Index	(0.14)	(0.21)	(0.21)	-	-	-	(0.07)	-	-	-	-	-
US Fund Target-Date 2060+	41	52	52	-	-	-	30	-	-	-	-	-

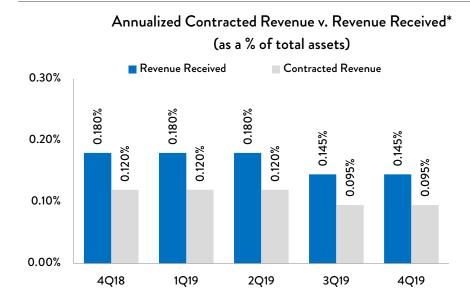
Section 4

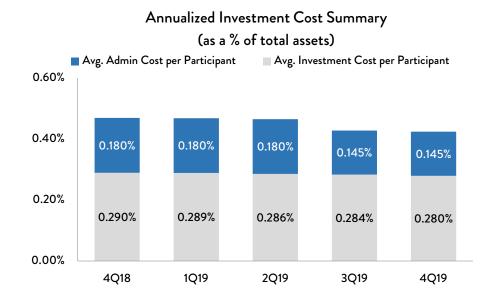
All Plans - Combined

Fourth Quarter 2019









^{*}Beginning July 1, 2019 revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

Fourth Quarter 2019

All Plans - Combined

Annualized

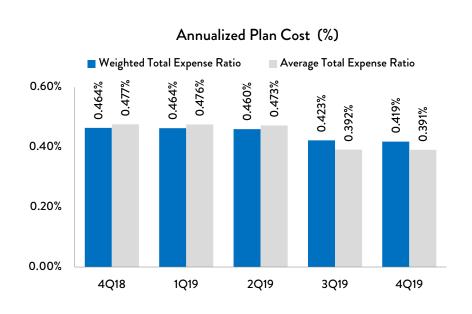
		Quarter Average			Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$278,014,922	0.44%	0.145%	\$1,223,266	\$403,122
Voya Fixed Account**	-	\$78,781,574	0.41%	0.145%	\$323,004	\$114,233
Voya Government Money Market A	VYAXX	\$11,422	0.40%	0.145%	\$46	\$17
Loomis Sayles Investment Grade Bond Y*	LSIIX	\$27,106,428	0.36%	0.145%	\$97,583	\$39,304
Invesco Oppenheimer International Bd R6	OIBIX	\$4,476,965	0.56%	0.145%	\$25,071	\$6,492
Pioneer Global High Yield Y*	GHYYX	\$6,819,577	0.67%	0.145%	\$45,691	\$9,888
Vanguard Institutional Index Instl Plus	VIIIX	\$121,620,391	0.02%	0.145%	\$24,324	\$176,350
American Funds Growth Fund of America R6	RGAGX	\$109,873,947	0.31%	0.145%	\$340,609	\$159,317
Vanguard Mid Cap Index Instl	VMCIX	\$61,643,341	0.04%	0.145%	\$24,657	\$89,383
Invesco Small Cap Value Y*	VSMIX	\$8,125,437	0.62%	0.145%	\$50,378	\$11,782
Vanguard Small Cap Index Instl	VSCIX	\$41,845,691	0.04%	0.145%	\$16,738	\$60,676
Baron Growth Instl*	BGRIX	\$36,467,250	0.88%	0.145%	\$320,912	\$52,878
Dodge & Cox International Stock*	DODFX	\$11,726,467	0.53%	0.145%	\$62,150	\$17,003
Vanguard Total Intl Stock Index I	VTSNX	\$24,648,646	0.08%	0.145%	\$19,719	\$35,741
American Funds Capital World Gr & Inc R6	RWIGX	\$50,690,028	0.44%	0.145%	\$223,036	\$73,501
Conservative Allocation Portfolio	-	\$28,275,744	0.32%	0.145%	\$90,482	\$41,000
Moderate Allocation Portfolio*	-	\$81,404,072	0.22%	0.145%	\$179,089	\$118,036
Aggressive Allocation Portfolio*	-	\$57,632,494	0.14%	0.145%	\$80,685	\$83,567
Vanguard Instl Target Retirement Income Instl	VITRX	\$6,072,025	0.09%	0.145%	\$5,465	\$8,804
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$28,644,334	0.09%	0.145%	\$25,780	\$41,534
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$313,249	0.09%	0.145%	\$282	\$454
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$43,375,332	0.09%	0.145%	\$39,038	\$62,894
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$202,939	0.09%	0.145%	\$183	\$294
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$38,427,232	0.09%	0.145%	\$34,585	\$55,719
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$11,172	0.09%	0.145%	\$10	\$16
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$24,797,650	0.09%	0.145%	\$22,318	\$35,957
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$20,468	0.09%	0.145%	\$18	\$30
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$21,816	0.09%	0.145%	\$20	\$32
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$29,436	0.09%	0.145%	\$26	\$43
Self-Directed Brokerage Account	-	\$2,526,028	-	0.000%	-	\$0
TOTAL	1	\$1,173,606,080	1	1	\$3,275,166	\$1,698,066

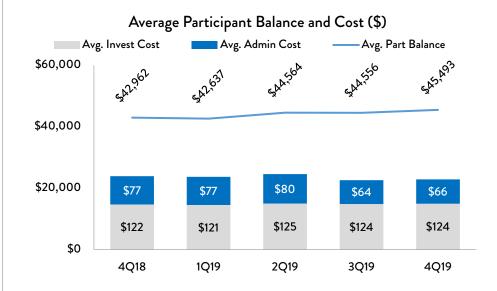
Plan Administration Cost	Quarter	Annualized
Contracted Revenue to Voya (9.5 bps excluding SDBA - est):	\$278,132	\$1,112,526
Additional Administrative Allowance (5 bps excluding SDBA - est):	\$146,385	\$585,540
Total Plan Administration Cost (14.5 bps excluding SDBA - est):	\$424,517	\$1,698,066

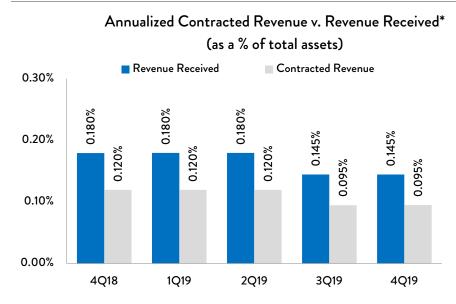
^{*}Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

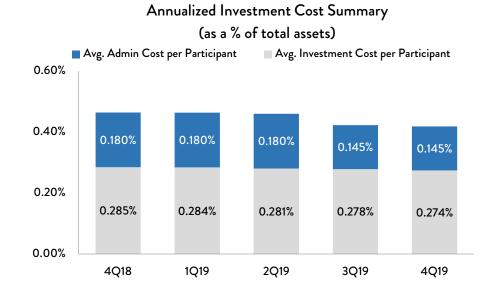
^{**}No explicit expense ratio given for Voya Fixed Account. An expense ratio of 0.41% is assumed for reporting purposes.

457 Deferred Compensation Plan









^{*}Revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

457 Deferred Compensation Plan Fourth Quarter 2019

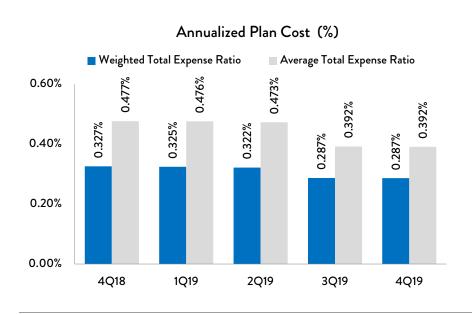
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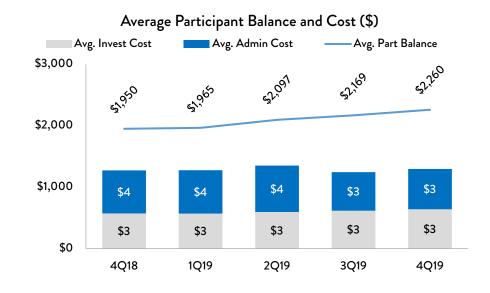
		Quarter Average			Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$195,722,300	0.44%	0.145%	\$861,178	\$283,797
Loomis Sayles Investment Grade Bond Y*	LSIIX	\$23,025,708	0.36%	0.145%	\$82,893	\$33,387
Invesco Oppenheimer International Bd R6	OIBIX	\$3,596,158	0.56%	0.145%	\$20,138	\$5,214
Pioneer Global High Yield Y*	GHYYX	\$5,246,350	0.67%	0.145%	\$35,151	\$7,607
Vanguard Institutional Index Instl Plus	VIIIX	\$98,351,755	0.02%	0.145%	\$19,670	\$142,610
American Funds Growth Fund of America R6	RGAGX	\$88,216,761	0.31%	0.145%	\$273,472	\$127,914
Vanguard Mid Cap Index Instl	VMCIX	\$49,065,446	0.04%	0.145%	\$19,626	\$71,145
Invesco Small Cap Value Y*	VSMIX	\$6,318,310	0.62%	0.145%	\$39,174	\$9,162
Vanguard Small Cap Index Instl	VSCIX	\$34,592,917	0.04%	0.145%	\$13,837	\$50,160
Baron Growth Instl*	BGRIX	\$29,802,924	0.88%	0.145%	\$262,266	\$43,214
Dodge & Cox International Stock*	DODFX	\$9,679,265	0.53%	0.145%	\$51,300	\$14,035
Vanguard Total Intl Stock Index I	VTSNX	\$20,751,251	0.08%	0.145%	\$16,601	\$30,089
American Funds Capital World Gr & Inc R6	RWIGX	\$43,630,907	0.44%	0.145%	\$191,976	\$63,265
Conservative Allocation Portfolio	-	\$20,215,523	0.32%	0.145%	\$64,690	\$29,313
Moderate Allocation Portfolio*	-	\$61,127,779	0.22%	0.145%	\$134,481	\$88,635
Aggressive Allocation Portfolio*	-	\$45,105,362	0.14%	0.145%	\$63,148	\$65,403
Vanguard Instl Target Retirement Income Instl	VITRX	\$3,641,468	0.09%	0.145%	\$3,277	\$5,280
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$12,173,362	0.09%	0.145%	\$10,956	\$17,651
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$231,093	0.09%	0.145%	\$208	\$335
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$17,311,309	0.09%	0.145%	\$15,580	\$25,101
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$68,662	0.09%	0.145%	\$62	\$100
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$20,821,609	0.09%	0.145%	\$18,739	\$30,191
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$9,540	0.09%	0.145%	\$9	\$14
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$19,235,125	0.09%	0.145%	\$17,312	\$27,891
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$19,679	0.09%	0.145%	\$18	\$29
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$20,876	0.09%	0.145%	\$19	\$30
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$29,234	0.09%	0.145%	\$26	\$42
Self-Directed Brokerage Account	-	\$2,040,765	-	0.000%	-	\$0
TOTAL		\$810,051,438	•		\$2,215,806	\$1,171,615

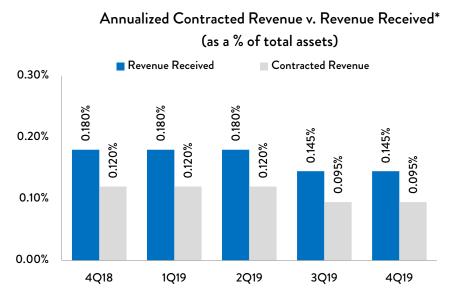
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$292,904	\$1,171,615
	Contracted Revenue (est):	\$191,903	\$767,610
	Net Excess/(Deficit) (est):	\$101,001	\$404,005

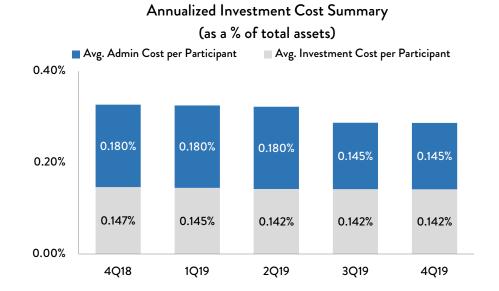
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401(a) Defined Contribution Plan









^{*}Revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

401(a) Defined Contribution Plan Fourth Quarter 2019

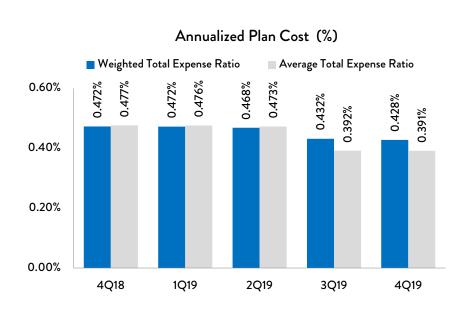
Annualized

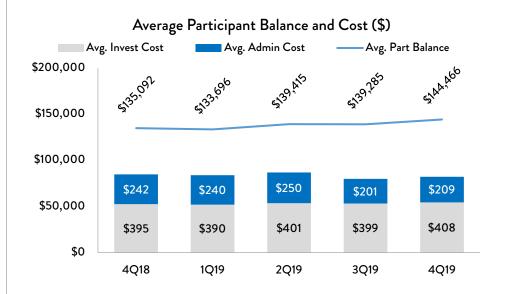
		Quarter Average			Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$1,399,069	0.44%	0.145%	\$6,156	\$2,029
Loomis Sayles Investment Grade Bond Y*	LSIIX	\$152,050	0.36%	0.145%	\$547	\$220
Invesco Oppenheimer International Bd R6	OIBIX	\$39,305	0.56%	0.145%	\$220	\$57
Pioneer Global High Yield Y*	GHYYX	\$45,999	0.67%	0.145%	\$308	\$67
Vanguard Institutional Index Instl Plus	VIIIX	\$685,714	0.02%	0.145%	\$137	\$994
American Funds Growth Fund of America R6	RGAGX	\$445,629	0.31%	0.145%	\$1,381	\$646
Vanguard Mid Cap Index Instl	VMCIX	\$361,348	0.04%	0.145%	\$145	\$524
Invesco Small Cap Value Y*	VSMIX	\$106,505	0.62%	0.145%	\$660	\$154
Vanguard Small Cap Index Instl	VSCIX	\$216,209	0.04%	0.145%	\$86	\$314
Baron Growth Instl*	BGRIX	\$231,078	0.88%	0.145%	\$2,033	\$335
Dodge & Cox International Stock*	DODFX	\$56,990	0.53%	0.145%	\$302	\$83
Vanguard Total Intl Stock Index I	VTSNX	\$147,248	0.08%	0.145%	\$118	\$214
American Funds Capital World Gr & Inc R6	RWIGX	\$120,267	0.44%	0.145%	\$529	\$174
Conservative Allocation Portfolio	-	\$664,139	0.32%	0.145%	\$2,125	\$963
Moderate Allocation Portfolio*	-	\$957,927	0.22%	0.145%	\$2,107	\$1,389
Aggressive Allocation Portfolio*	-	\$914,071	0.14%	0.145%	\$1,280	\$1,325
Vanguard Instl Target Retirement Income Instl	VITRX	\$598,427	0.09%	0.145%	\$539	\$868
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$3,666,876	0.09%	0.145%	\$3,300	\$5,317
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$6,102	0.09%	0.145%	\$5	\$9
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$5,985,106	0.09%	0.145%	\$5,387	\$8,678
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$325	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$5,072,604	0.09%	0.145%	\$4,565	\$7,355
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$697	0.09%	0.145%	\$1	\$1
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$1,812,557	0.09%	0.145%	\$1,631	\$2,628
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$388	0.09%	0.145%	\$0	\$1
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$63	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$157	0.09%	0.145%	\$0	\$0
TOTAL		\$23,686,848			\$33,565	\$34,346

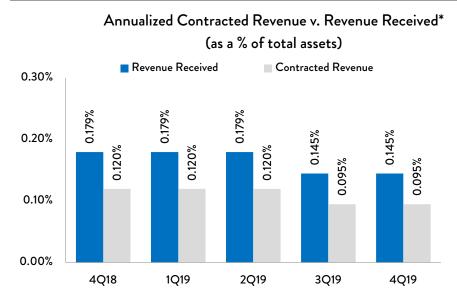
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$8,586	\$34,346
	Contracted Revenue (est):	\$5,626	\$22,503
	Net Excess/(Deficit) (est):	\$2,961	\$11,843

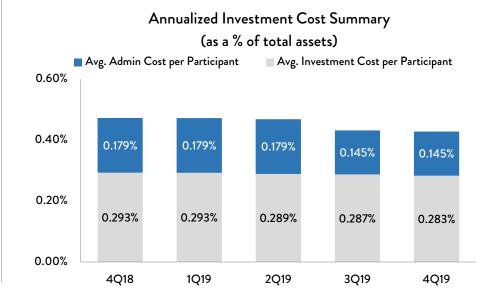
^{*}Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

401(k) Defined Contribution Plan Fourth Quarter 2019









^{*}Revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

401(k) Defined Contribution Plan

Fourth Quarter 2019

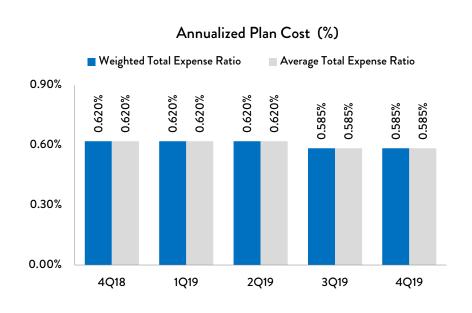
Annual	1700
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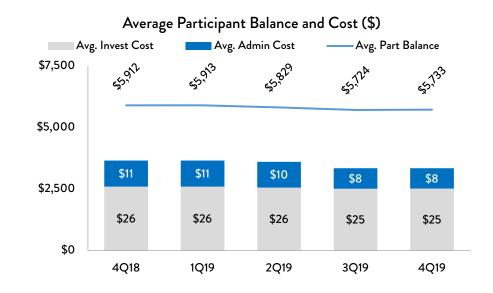
		Quarter Average			Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Stabilizer	-	\$43,253,234	0.44%	0.145%	\$190,314	\$62,717
Loomis Sayles Investment Grade Bond Y*	LSIIX	\$3,632,200	0.36%	0.145%	\$13,076	\$5,267
Invesco Oppenheimer International Bd R6	OIBIX	\$687,616	0.56%	0.145%	\$3,851	\$997
Pioneer Global High Yield Y*	GHYYX	\$1,315,725	0.67%	0.145%	\$8,815	\$1,908
Vanguard Institutional Index Instl Plus	VIIIX	\$20,478,905	0.02%	0.145%	\$4,096	\$29,694
American Funds Growth Fund of America R6	RGAGX	\$18,746,641	0.31%	0.145%	\$58,115	\$27,183
Vanguard Mid Cap Index Instl	VMCIX	\$10,116,492	0.04%	0.145%	\$4,047	\$14,669
Invesco Small Cap Value Y*	VSMIX	\$1,323,972	0.62%	0.145%	\$8,209	\$1,920
Vanguard Small Cap Index Instl	VSCIX	\$6,224,090	0.04%	0.145%	\$2,490	\$9,025
Baron Growth Instl*	BGRIX	\$5,175,652	0.88%	0.145%	\$45,546	\$7,505
Dodge & Cox International Stock*	DODFX	\$1,763,011	0.53%	0.145%	\$9,344	\$2,556
Vanguard Total Intl Stock Index I	VTSNX	\$3,459,227	0.08%	0.145%	\$2,767	\$5,016
American Funds Capital World Gr & Inc R6	RWIGX	\$6,515,801	0.44%	0.145%	\$28,670	\$9,448
Conservative Allocation Portfolio	-	\$5,986,645	0.32%	0.145%	\$19,157	\$8,681
Moderate Allocation Portfolio*	-	\$14,670,091	0.22%	0.145%	\$32,274	\$21,272
Aggressive Allocation Portfolio*	-	\$6,893,681	0.14%	0.145%	\$9,651	\$9,996
Vanguard Instl Target Retirement Income Instl	VITRX	\$338,347	0.09%	0.145%	\$305	\$491
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$1,645,153	0.09%	0.145%	\$1,481	\$2,385
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$72,585	0.09%	0.145%	\$65	\$105
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$2,489,105	0.09%	0.145%	\$2,240	\$3,609
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$133,952	0.09%	0.145%	\$121	\$194
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$1,660,969	0.09%	0.145%	\$1,495	\$2,408
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$935	0.09%	0.145%	\$1	\$1
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$1,263,646	0.09%	0.145%	\$1,137	\$1,832
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$401	0.09%	0.145%	\$0	\$1
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$877	0.09%	0.145%	\$1	\$1
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$0	0.09%	0.145%	\$0	\$0
Self-Directed Brokerage Account	-	\$485,263	-	0.000%	-	\$0
TOTAL	1	\$158,334,216			\$447,266	\$228,881

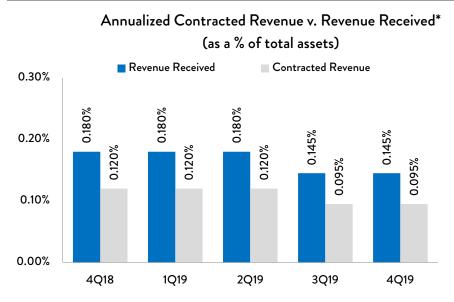
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$57,220	\$228,881
	Contracted Revenue (est):	\$37,489	\$149,957
	Net Excess/(Deficit) (est):	\$19,731	\$78,924

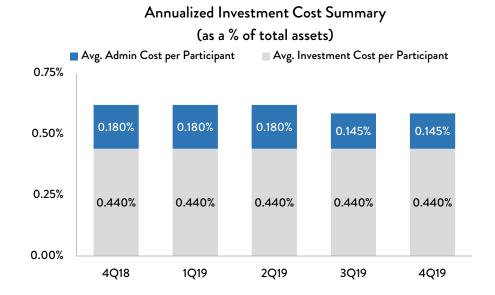
^{*}Revenue derived from funds credited to participant accounts in which they are held. For fee reporting purposes, the credit has been used to offset the reported fund expense ratio.

PST Deferred Compensation Retirement Plan









^{*}Revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

PST Deferred Compensation Retirement Plan

PLAN FEE ANALYSIS

Fourth Quarter 2019

Annualized

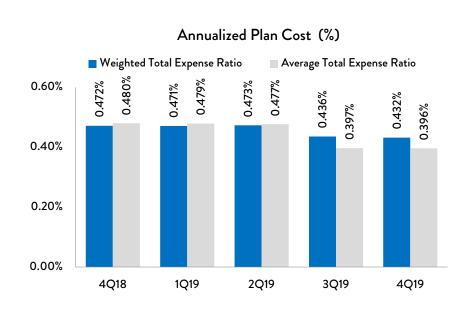
		Quarter Average		
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee
Stabilizer	-	\$37,640,319	0.44%	0.145%
TOTAL		\$37,640,319		

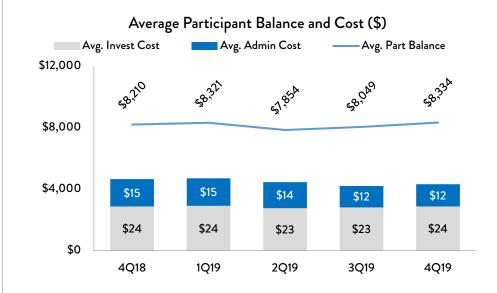
Est. Total Invest.	Est. Total Admin.
Cost	Cost
\$165,617	\$54,578
\$165,617	\$5 4 578

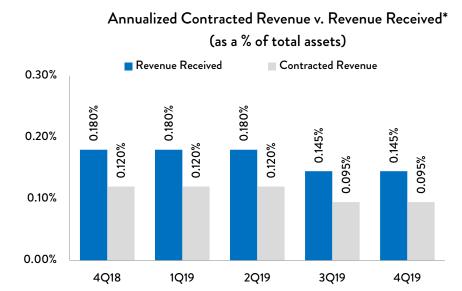
Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$13,645	\$54,578
	Contracted Revenue (est):	\$8,940	\$35,758
	Net Excess/(Deficit) (est):	\$4,705	\$18,820

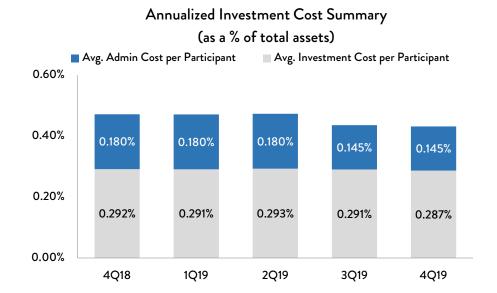
Fourth Quarter 2019











^{*}Revenue received is 0.145% annually on all assets excluding SDBA. Contracted revenue is 0.095% annually on all assets excluding SDBA.

Fourth Quarter 2019

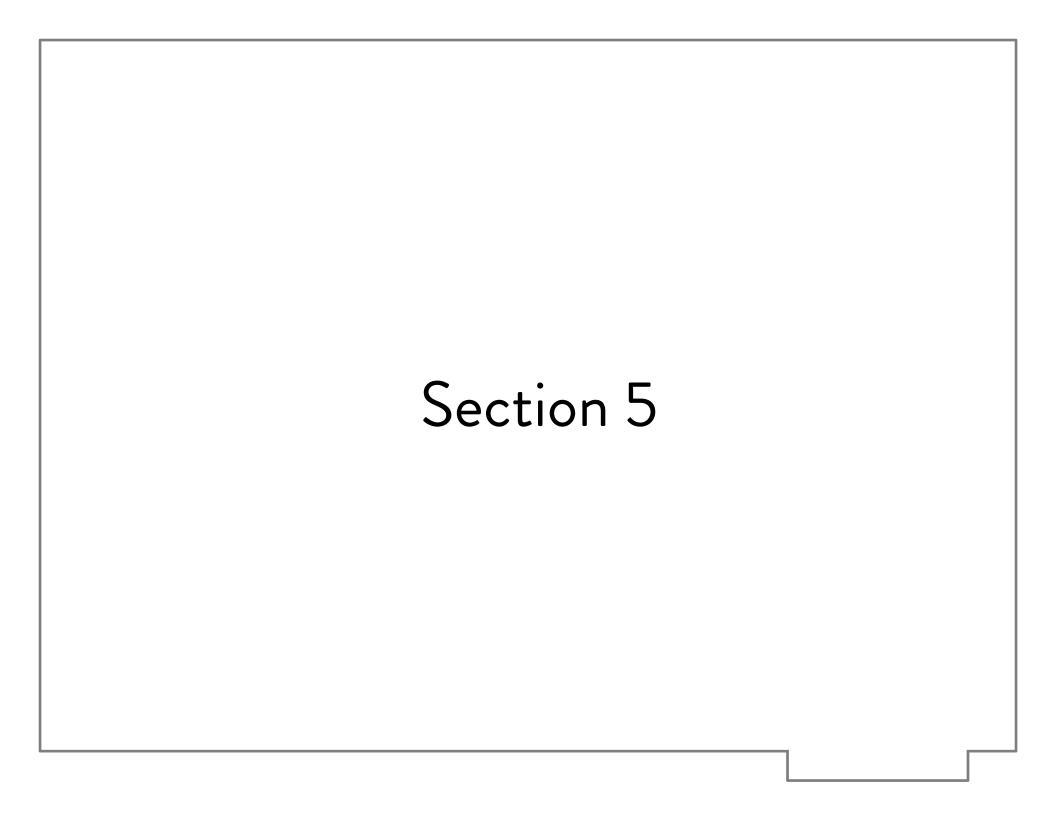
Annualized

		Quarter Average			Est. Total Invest.	Est. Total Admin.
Fund	Ticker	Assets	Net Expense Ratio	Admin Fee	Cost	Cost
Voya Fixed Account**	-	\$78,781,574	0.41%	0.145%	\$323,004	\$114,233
Voya Government Money Market A	VYAXX	\$11,422	0.40%	0.145%	\$46	\$17
Loomis Sayles Investment Grade Bond Y*	LSIIX	\$296,471	0.36%	0.145%	\$1,067	\$430
Invesco Oppenheimer International Bd R6	OIBIX	\$153,886	0.56%	0.145%	\$862	\$223
Pioneer Global High Yield Y*	GHYYX	\$211,504	0.67%	0.145%	\$1,417	\$307
Vanguard Institutional Index Instl Plus	VIIIX	\$2,104,017	0.02%	0.145%	\$421	\$3,051
American Funds Growth Fund of America R6	RGAGX	\$2,464,917	0.31%	0.145%	\$7,641	\$3,574
Vanguard Mid Cap Index Instl	VMCIX	\$2,100,054	0.04%	0.145%	\$840	\$3,045
Invesco Small Cap Value Y*	VSMIX	\$376,650	0.62%	0.145%	\$2,335	\$546
Vanguard Small Cap Index Instl	VSCIX	\$812,475	0.04%	0.145%	\$325	\$1,178
Baron Growth Instl*	BGRIX	\$1,257,596	0.88%	0.145%	\$11,067	\$1,824
Dodge & Cox International Stock*	DODFX	\$227,201	0.53%	0.145%	\$1,204	\$329
Vanguard Total Intl Stock Index I	VTSNX	\$290,919	0.08%	0.145%	\$233	\$422
American Funds Capital World Gr & Inc R6	RWIGX	\$423,054	0.44%	0.145%	\$1,861	\$613
Conservative Allocation Portfolio	-	\$1,409,438	0.32%	0.145%	\$4,510	\$2,044
Moderate Allocation Portfolio*	-	\$4,648,276	0.22%	0.145%	\$10,226	\$6,740
Aggressive Allocation Portfolio*	-	\$4,719,380	0.14%	0.145%	\$6,607	\$6,843
Vanguard Instl Target Retirement Income Instl	VITRX	\$1,493,784	0.09%	0.145%	\$1,344	\$2,166
Vanguard Instl Target Retirement 2020 Instl	VITWX	\$11,158,943	0.09%	0.145%	\$10,043	\$16,180
Vanguard Instl Target Retirement 2025 Instl	VRIVX	\$3,470	0.09%	0.145%	\$3	\$5
Vanguard Instl Target Retirement 2030 Instl	VTTWX	\$17,589,812	0.09%	0.145%	\$15,831	\$25,505
Vanguard Instl Target Retirement 2035 Instl	VITFX	\$0	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2040 Instl	VIRSX	\$10,872,050	0.09%	0.145%	\$9,785	\$15,764
Vanguard Instl Target Retirement 2045 Instl	VITLX	\$0	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2050 Instl	VTRLX	\$2,486,322	0.09%	0.145%	\$2,238	\$3,605
Vanguard Instl Target Retirement 2055 Instl	VIVLX	\$0	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2060 Instl	VILVX	\$0	0.09%	0.145%	\$0	\$0
Vanguard Instl Target Retirement 2065 Instl	VSXFX	\$45	0.09%	0.145%	\$0	\$0
TOTAL		\$143,893,259	1		\$412,911	\$208,645

Plan Administration Cost		Quarter	Annualized
	Plan Generated Revenue (est):	\$52,161	\$208,645
	Contracted Revenue (est):	\$34,175	\$136,699
	Net Excess/(Deficit) (est):	\$17,987	\$71,947

^{*}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.

^{**}No explicit expense ratio given for the Voya Fixed Account. An expense ratio of 0.41% is assumed for reporting purposes.



Asset Class: Asset Allocation Category: Lifestyle

FUND FACTS

Inception Date: October 1, 2004

September 30, 2019: **0.15**% Investment advisory fee for period ended

12b-1 fee: 0.00%

Other expenses: 0.03%

September 30, 2019: 0.18% waivers or reductions for period ended Total fund annual expenses without

reductions:-0.01% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended September 30, 2019: 0.17%

Turnover rate: 15%

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

Important Information

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

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

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 Portfolio have not been registered with investment company, and interests in the This Portfolio is not a registered

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

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 risk. It is most suitable for participants The investment objective of the Aggressive Allocation Portfolio is to 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 income as a minor consideration provide long-term growth of capital with

Strategy

capital appreciation.

---6% in the Oppenheimer International
Bond Fund – Class I, which seeks total Allocation Portfolio is to invest in a combination of active and passive combination of current income and Grade Bond – Class Y, which see total investment return through a ---7% in the Loomis Sayles Investment Grade Bond – Class Y, which seeks high investments in the following proportions: The strategy for the Aggressive

developed and emerging markets, excluding the United States.
--- 48% in the Vanguard® Total Stock Market Index Fund - Institutional Shares, that measures the investment return of stocks issued by companies located in return. the performance of a benchmark index Institutional Shares which seeks to track ---32% in the Vanguard® Total International Stock Index Fund -

a benchmark index that measures the which seeks to track the performance of investment return of the overall stock

appreciation combination of income and capital maximize total return through a Class Y Shares, which seeks to 7% Pioneer Global High Yield Fund -

Principal Risks

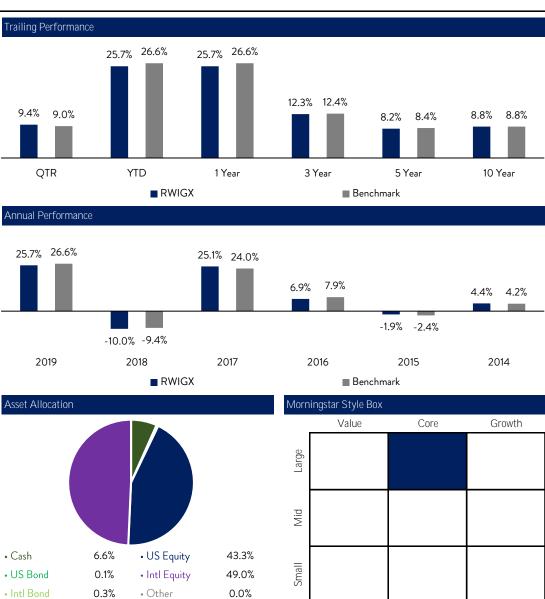
relate to currency and political uncertainty. The risks of Lifestyle stocks do carry additional risks that the potential for loss of principal value. certain risk characteristics that include All equity (both U.S. and International) and fixed income investments exhibit funds described above risk characteristics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



Product Details	
Name	American Funds Capital World Gr&Inc R6
Ticker	RWIGX
Expense Ratio	0.440%
Morningstar Category	US Fund World Large Stock
Benchmark	MSCI ACWI NR USD
Inception Date	5/1/2009
Longest Tenured Manager	Sung Lee
Longest Manager Tenure	13.92 Years
Fund Size	\$103,600,782,313

Fund Characteristics	RWIGX	+/- Category
% Assets in Top 10 Holdings	16.76%	-8.36%
Average Market Cap (mil)	\$83,282	\$2,819
P/E Ratio (TTM)	20.11	-0.63
P/B Ratio (TTM)	2.71	0.09
Est. Dividend Yield	2.60%	0.47%

Sector Allocations	RWIGX	Category	+/- Category
Materials	4.1%	3.9%	0.2%
Communication Services	9.3%	8.7%	0.6%
Consumer Discretionary	10.6%	11.2%	-0.6%
Consumer Staples	8.5%	8.6%	-0.1%
Healthcare	13.7%	13.3%	0.4%
Industrials	9.6%	12.4%	-2.8%
Real Estate	3.7%	2.1%	1.6%
Technology	13.4%	15.7%	-2.3%
Energy	6.8%	3.6%	3.1%
Financial Services	15.5%	17.5%	-2.0%
Utilities	4.8%	2.9%	1.9%
Other	0.0%	0.0%	0.0%



0.0%

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• RWIGX	9.35%	25.74%	25.74%	12.29%	8.22%	8.81%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	8.95%	26.60%	26.60%	12.44%	8.41%	8.79%	• RWIGX	9.35%	-0.55%	3.00%	12.25%
+/- Benchmark	0.40%	-0.86%	-0.86%	-0.15%	-0.18%	0.03%	• Benchmark	8.95%	-0.03%	3.61%	12.18%
Peer Group Rank	32	56	56	46	47	53	+/- Benchmark	0.40%	-0.52%	-0.61%	0.07%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• RWIGX	25.74%	-9.97%	25.08%	6.85%	-1.88%	4.36%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	26.60%	-9.41%	23.97%	7.86%	-2.36%	4.16%	• RWIGX	-11.60%	1.23%	0.18%	0.43%
+/- Benchmark	-0.86%	-0.55%	1.11%	-1.01%	0.49%	0.20%	• Benchmark	-12.75%	4.28%	0.53%	-0.96%
Peer Group Rank	56	56	41	31	62	35	+/- Benchmark	1.15%	-3.05%	-0.36%	1.40%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• RWIGX	8.22%	6.31%	6.03%	6.34%	4.26%	8.48%	• RWIGX	5.13%	5.11%	5.29%	7.50%
• Benchmark	8.41%	6.65%	6.16%	6.45%	4.26%	8.67%	• Benchmark	5.73%	5.18%	4.27%	6.91%
+/- Benchmark	-0.18%	-0.34%	-0.13%	-0.11%	0.00%	-0.19%	+/- Benchmark	-0.60%	-0.07%	1.02%	0.60%
Peer Group Rank	47	56	50	48	44	51					
							5-Year Quarterly				
Risk Statistics	3`	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• RWIGX	-0.15%	5.11%	1.44%	0.36%
Alpha	0.47	0.00	0.32	0.00	0.35	0.00	 Benchmark 	1.19%	5.30%	0.99%	0.24%
Beta	0.94	1.00	0.93	1.00	0.96	1.00	+/- Benchmark	-1.34%	-0.19%	0.45%	0.12%
Standard Deviation	10.87	11.38	11.07	11.78	12.85	13.19					
Sharpe Ratio	0.96	0.94	0.67	0.65	0.68	0.66	5-Year Quarterly				
Information Ratio	-0.07	-	-0.09	-	0.01	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	11.27	10.73	7.69	7.30	8.59	8.20	• RWIGX	4.08%	-8.54%	0.34%	2.74%
Upside Capture Ratio	94.97	100.00	93.66	100.00	96.74	100.00	Benchmark	5.03%	-9.45%	0.35%	2.31%
Downside Capture Ratio	90.82	100.00	91.01	100.00	94.69	100.00	+/- Benchmark	-0.95%	0.91%	-0.01%	0.43%

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.

Morningstar Analyst Rating™ Overall Morningstar Rating™

Standard Index

Category Index

Morningstar Cat

World Gr&Inc R6 (USD) American Funds Capital

Performance 12-31-2019	-31-2019				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2017	7.50	5.29	5.11	5.13	25.08
2018	0.43	0.18	1.23	-11.60	-9.97
2019	12.25	3.00	-0.55	9.35	25.74
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	25.74	12.29	8.22	8.81	11.28
Std 12-31-2019	25.74	1	8.22	8.81	11.28
Total Return	25.74	12.29	8.22	8.81	11.28
+/- Std Index	4.22	2.42	2.72	3.85	
+/- Cat Index	-0.86	-0.15	-0.18	0.03	
% Rank Cat	51	43	44	51	
No. in Cat	873	722	605	362	

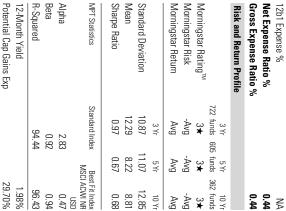
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year 30-day SEC Yield 12-31-19 7-day Yield Performance Disclosure Subsidized 1.92 Unsubsidized 1.92

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.

month-end, please call 800-421-4225 or visit quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

Management Fees % Front-End Load % Fund Expenses Deferred Load % Sales Charges Fees and Expenses 0.37 ž



	1	3.82	7.15	-38.38	1	2008		₩ ₩	
	1	-2.12	-8.94	32.50	34.08	2009		8 🖽	S- 09-2019
865	22	-4.57	-3.05	8.10	35.73	2010		92 🖽	d 019
893	42	0.11	6.48	-7.23	32.12	2011		9 🗐	
936	23	3.43	2.73	19.56	37.20	2012		92 🖽	
1040	27	2.47	9.99	25.28	45.32	2013		99 🗐	*** 722 US
1158	8	0.20	8.23	4.36	46.09	2014		92	★★★ 722 US Fund World Large Stock
1208	55	0.49	3.79	-1.88	43.35	2015		2 1	orld Larç
1015	34	-1.01	2.36	6.85	43.82	2016		8 🖽	
860	జ	=	-2.11	25.08	51.10	2017		8 🖽	MSCI ACWI Ex USA NR USD
901	55	-0.55	4.23	-9.97	42.80	2018		91 🖽	USD Ex
873	51	-0.86	4.22	25.74	52.27	12-19		92 100k 80k 40k 10k	MSCI ACWI NR 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 American Funds Capital World Gr&Inc R6 19,002 Category Average 17,534 Standard Index 12,510	XWI NR US Fund World Large Stock

Fixed-Income Style	Value Blend Growth	Total	Bonds Other/Not Clsfd	US Stocks Non-US Stocks	Portfolio Analys Asset Allocation %	
pew u6iH Style	llem2 biM egreJ ₹		sfd	Š	nalysi on %	
Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price	PORTION STATUSTICS P/E Ratio TTM P/C Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	100.00	0.47 0.54	6.53 43.34 49.03	Portfolio Analysis 12-31-2019 Asset Allocation % Net %	
	Avg 20.1 11.9 2.7 83282	100.00	0.47 0.54	43.34 49.03	Long %	
	1.24 1.23 1.64 2.25	. 8	54 47	3 2 2		
6.48	Cat 0.97 0.90 1.03 1.04	0.00	0.00	0.00	Short %	
$\oplus \ \bigcirc \ \bigcirc \ \bigcirc \ \oplus$	① ① ⊕ ⊕ ⊕	①	+ +	09-2019	Share Chg	
14 mil 29 mil 113 mil 6 mil 4 mil	11 mil 5 mil 13 mil 14 mil 5 mil	8 6 m. m.	16 mil 158 mil	8 mil	Share	
14 mil Abbott Laboratories 29 mil British American Tobacco PLC 13 mil AIA Group Ltd 6 mil CME Group Inc Class A 4 mil ASML Holding NV	11 mil Airbus SE 5 mil Netflix Inc 13 mil Nestle SA 14 mil Novartis AG 5 mil Amgen Inc	UnitedHealth Group Inc Facebook Inc A	Microsoft Corp Taiwan Semiconductor Manufacturing	49% Tumover Ratio Broadcom Inc	Holdings : 310 Total Stocks 17 Total Fixed-Income	
1.20 1.19 1.16 1.14 1.06	1.52 1.44 1.34 1.28 1.20	1.67 1.64	2.41 1.70	2.54	Net Assets	

54

мор			Sector Weightings
Coalit Occility Brook James		D 22 4 0/	∿ Cyclical
AAA	'	Dillo	Basic Materials
AA }			Consumer Cyclic
D :			Financial Service
BBB		1	Real Estate
BB		1	✓ Sensitive
В		1	Communication :
Below B			Energy
NR			ndustrials
Regional Exposure	Stocks %	Rel Std Index	Technology
Americas	51.9	4.88	→ Defensive
Greater Europe	30.0	0.67	L consumer Deten
Greater Asia	18.1	0.41	Healthcare
			Calling

RWIGX US1405438102 \$250 \$250 A		Stocks % Rel	
	4.88 0.67 0.41	Rel Std Index	Bond %
Incept: Type: Total Assets:	→ Defensive ☐ Consumer Defensive ☐ Healthcare ☐ Utilities	➤ Sensitive □ Communication Services ► Energy □ Industrials □ Technology	Sector Weightings O Cyclical Basic Materials Consumer Cyclical Financial Services Real Estate
05-01-2009 MF \$103,600.78 mil	27.0 8.5 13.7 4.8	38.1 9.3 6.8 9.6	Stocks % 33.9 4.1 10.6 15.5 3.7
	1.23 0.89 1.50 1.45	1.09 1.24 1.00 0.80 1.40	Rel Std Index 0.80 0.56 1.01 0.73 1.17

Objective:

Growth and Income 13.9 Years Multiple American Funds

Purchase Constraints:

Min Auto Investment Plan: Minimum Initial Purchase: ISIN: Ticker:

Base Currency:

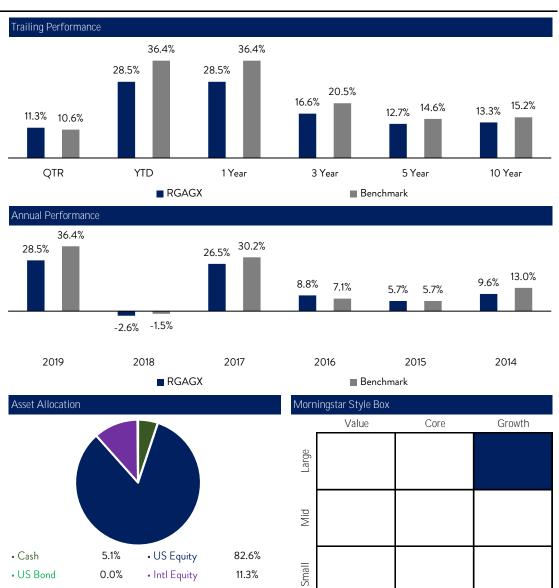
Family:

Manager:

Product Details	
Name	American Funds Growth Fund of Amer R6
Ticker	RGAGX
Expense Ratio	0.310%
Morningstar Category	US Fund Large Growth
Benchmark	Russell 1000 Growth TR USD
Inception Date	5/1/2009
Longest Tenured Manager	Donald D. O'Neal
Longest Manager Tenure	26.17 Years
Fund Size	\$205,476,590,984

Fund Characteristics	RGAGX	+/- Category
% Assets in Top 10 Holdings	31.36%	-15.99%
Average Market Cap (mil)	\$107,632	-\$82,564
P/E Ratio (TTM)	26.34	-2.64
P/B Ratio (TTM)	4.11	-1.97
Est. Dividend Yield	1.01%	0.04%

Sector Allocations	RGAGX	Category	+/- Category
Materials	1.8%	1.7%	0.0%
Communication Services	18.8%	15.0%	3.8%
Consumer Discretionary	11.8%	13.2%	-1.4%
Consumer Staples	3.5%	4.6%	-1.2%
Healthcare	17.9%	14.7%	3.1%
Industrials	8.2%	8.7%	-0.4%
Real Estate	1.4%	2.2%	-0.8%
Technology	20.5%	25.8%	-5.2%
Energy	4.0%	0.9%	3.1%
Financial Services	12.0%	12.5%	-0.5%
Utilities	0.0%	0.7%	-0.7%
Other	0.0%	0.0%	0.0%



0.0%

 \cdot Other

0.1%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• RGAGX	11.32%	28.54%	28.54%	16.57%	12.75%	13.31%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	10.62%	36.39%	36.39%	20.49%	14.63%	15.22%	• RGAGX	11.32%	-2.06%	3.53%	13.87%
+/- Benchmark	0.70%	-7.85%	-7.85%	-3.92%	-1.88%	-1.90%	 Benchmark 	10.62%	1.49%	4.64%	16.10%
Peer Group Rank	15	80	80	69	44	57	+/- Benchmark	0.70%	-3.55%	-1.11%	-2.23%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• RGAGX	28.54%	-2.60%	26.53%	8.82%	5.70%	9.63%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	36.39%	-1.51%	30.21%	7.08%	5.67%	13.05%	• RGAGX	-15.06%	5.05%	5.97%	3.01%
+/- Benchmark	-7.85%	-1.09%	-3.69%	1.74%	0.03%	-3.42%	• Benchmark	-15.89%	9.17%	5.76%	1.42%
Peer Group Rank	80	53	62	11	39	60	+/- Benchmark	0.82%	-4.12%	0.22%	1.59%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• RGAGX	12.75%	10.97%	11.54%	11.87%	9.22%	14.91%	• RGAGX	7.01%	5.09%	4.00%	8.18%
• Benchmark	14.63%	13.39%	13.39%	13.50%	10.40%	16.58%	Benchmark	7.86%	5.90%	4.67%	8.91%
+/- Benchmark	-1.88%	-2.42%	-1.85%	-1.63%	-1.19%	-1.67%	+/- Benchmark	-0.86%	-0.80%	-0.67%	-0.73%
Peer Group Rank	44	56	54	48	37	42					
							5-Year Quarterly				
Risk Statistics	3 \	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• RGAGX	1.68%	6.58%	2.96%	-2.47%
Alpha	-2.58	0.00	-1.06	0.00	-1.31	0.00	• Benchmark	1.01%	4.58%	0.61%	0.74%
Beta	0.96	1.00	0.95	1.00	0.97	1.00	+/- Benchmark	0.67%	2.00%	2.34%	-3.21%
Standard Deviation	13.11	13.26	12.76	12.92	13.17	13.15					
Sharpe Ratio	1.11	1.35	0.92	1.04	0.97	1.10	5-Year Quarterly				
Information Ratio	-1.14	-	-0.55	-	-0.62	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	15.54	18.77	12.21	13.52	13.06	14.63	• RGAGX	7.84%	-6.63%	1.45%	3.47%
Upside Capture Ratio	89.44	100.00	92.99	100.00	94.20	100.00	Benchmark	7.32%	-5.29%	0.12%	3.84%
Downside Capture Ratio	102.57	100.00	99.44	100.00	101.59	100.00	+/- Benchmark	0.53%	-1.34%	1.33%	-0.37%

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.

Morningstar Analyst Rating™ Overall Morningstar Rating™

Standard Index S&P 500 TR USD

Category Index

US Fund Large Growth Morningstar Cat

Fund of Amer R6 (USD) American Funds Growth

Performance 12-31-2019	-31-2019				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2017	8.18	4.00	5.09	7.01	26.53
2018	3.01	5.97	5.05	-15.06	-2.60
2019	13.87	3.53	-2.06	11.32	28.54
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	28.54	16.57	12.75	13.31	15.01
Std 12-31-2019	28.54	I	12.75	13.31	15.01
Total Return	28.54	16.57	12.75	13.31	15.01
+/- Std Index	-2.95	1.30	1.05	-0.25	ı
+/- Cat Index	-7.85	-3.92	-1.88	-1.90	
% Rank Cat	80	67	44	56	
No. in Cat	1360	1218	1086	811	

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 12-31-19 7-day Yield Performance Disclosure Subsidized 0.65 Unsubsidized 0.65

-0.63

-2.45

-7.17 69

5.73 6

1718 -4.04 74

1683 1681

1681 0.03

1463 1.74 9

1363

1405 -1.09 53

1360 -7.85 80

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

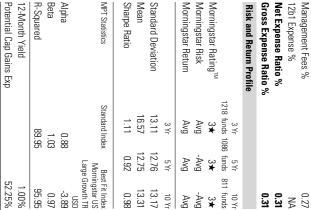
-3.69 57

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 800-421-4225 or visit

Fees and Expenses	
Sales Charges	
Front-End Load %	N
Deferred Load %	N
Fund Expenses	
Management Fees %	0.27
12b1 Expense %	NA
Net Expense Ratio %	0.31
Gross Expense Ratio %	0.31



-39.07 -2.07	3	2008)	2
8.29	27.33	2009		2	Bronze 05-31-2019
-2.40	30.44	2010		§ 8	2019 2019
-6.64	28.72	2011		4	8
4.98	34.34	2012		9	
1.90	43.01	2013		م و	1,218 U
4.06	42.68	2014		e e	*** 1,218 US Fund Large Growth
4.31	41.29	2015		٩	large Gro
-3.14	42.05	2016		8	□
4.69	49.56	2017		9	S&P 500
1.78	42.75	2018		32	S&P 500 TR USD
-2.95	51.13	12-19		100k 80k 60k 40k 20k	
lotal Keturn % +/- Standard Index	NAV/Price	History	Performance Quartile (within category)	Stocks % Growth of \$10,000 American Funds Growth Fund of Amer R6 28,658 Category Average 26,863 Standard Index 28,417	000 US Fund Large Growth 3 USD Investment Style Equity

To the state of th	0					
Asset Allocation %	Net %	Long % Short %	Share Chg			Net Assets
Cash	4.69				ncome,	%
US Stocks	82.96		6107-60	36% Turnover Hatto		
Non-US Stocks	11.39) ① 55 mil	Facebook Inc A		5.58
Bonds	0.04			Microsoft Corp		5.28
Other/Not Clsfd	0.92			Netflix Inc		4.64
Total			⊕ (Amazon.com Inc		3.86
	`					3.37
Equity Style	Portfolio Statistics	Port Rel Rel Avg Index Cat	D 3 mil	Alphabet Inc Class C		2.28
Value Blend Growth	P/E Ratio TTM	1.17 0	⊕ (Broadcom Inc		1.94
эбл	P/C Ratio TTM	16.5 1.14 0.83	① (Mastercard Inc A		1.57
biM	P/B Ratio TTM	1.21	D (Charter Communications Inc A	ic A	1.47
llem2	Geo Avg Mkt Cap 107632	/632 0.8/ 0.5/	① (Alphabet Inc A		1.38
-			⊕ 31 mil	Abbott Laboratories		1.34
Fixed-Income Style	766			EOG Resources Inc		1.18
Ltd Mod Ext	Avg Eff Duration			Taiwan Semiconductor Manufacturing	nufacturing	1.14
чеін	Avg Wtd Coupon	11.00		Berkshire Hathaway Inc A		1.11
belM	Avg Wtd Price	I	⊕ 6 mil	Humana Inc		1.09
мод			Sector Weightings	S	Stocks % Rel	Rel Std Index
Prodit Occility Brook		0	∙ ე Cyclical		27.0	0.88
	ACWII	% <u></u>	Basic Materials	als	1.8	0.77
A }		I	Consumer Cyclical	clical	11.8	1.23
Δ.		I	. Financial Services	vices	12.0	0.76
BBB		ı	♠ Real Estate		1.4	0.48
BB		1	. ✓ Sensitive		51.6	1.17
В			 Communication Services 	on Services	18.8	1.81
Below B		I	Energy		4.0	0.92
NR		I	· Industrials		8.2	0.86
Posional Evangues	Ctooks 0/	Dal Ctd Inda	Technology		20.5	1.04
Americas	90 n	0.00	→ Defensive		21.4	0.85
Greater Europe	S 1	6.77	Consumer Defensive	fensive	3.5	0.46
Greater Asia	49	95 96			17.9	1.24
0.0000	ē		Utilities		0.0	0.01

Manager: Family:

Multiple 26.2 Years

American Funds

Tenure:

Base Currency: Objective:

Growth

Purchase Constraints: Min Auto Investment Plan: Minimum Initial Purchase:

\$250 \$50 A

RGAGX US3998748178

Incept: Type: Total Assets:

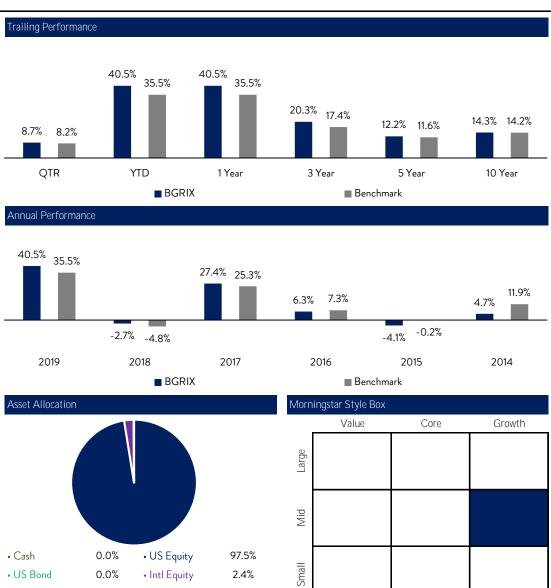
05-01-2009

\$205,476.59 mil

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	25.08 Years
Fund Size	\$7,285,586,283

Fund Characteristics	BGRIX	+/- Category
% Assets in Top 10 Holdings	51.76%	24.48%
Average Market Cap (mil)	\$9,185	-\$5,521
P/E Ratio (TTM)	32.63	1.66
P/B Ratio (TTM)	4.33	-0.42
Est. Dividend Yield	1.01%	0.38%

Sector Allocations	BGRIX	Category	+/- Category
Materials	0.0%	2.6%	-2.6%
Communication Services	3.0%	3.3%	-0.2%
Consumer Discretionary	22.5%	14.6%	7.9%
Consumer Staples	1.0%	2.9%	-1.9%
Healthcare	10.0%	20.4%	-10.4%
Industrials	2.7%	16.0%	-13.3%
Real Estate	14.9%	4.8%	10.1%
Technology	18.3%	23.3%	-5.0%
Energy	0.0%	1.4%	-1.4%
Financial Services	27.6%	10.1%	17.4%
Utilities	0.0%	0.6%	-0.6%
Other	0.0%	0.0%	0.0%



0.0%

 \cdot Other

0.1%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• BGRIX	8.65%	40.50%	40.50%	20.31%	12.18%	14.28%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	8.17%	35.47%	35.47%	17.36%	11.60%	14.24%	• BGRIX	8.65%	-0.69%	7.03%	21.67%
+/- Benchmark	0.48%	5.03%	5.03%	2.96%	0.57%	0.04%	• Benchmark	8.17%	-0.67%	5.40%	19.62%
Peer Group Rank	29	7	7	13	29	24	+/- Benchmark	0.48%	-0.02%	1.62%	2.05%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• BGRIX	40.50%	-2.67%	27.35%	6.31%	-4.06%	4.66%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	35.47%	-4.75%	25.27%	7.33%	-0.20%	11.90%	• BGRIX	-18.53%	7.94%	8.01%	2.47%
+/- Benchmark	5.03%	2.08%	2.09%	-1.02%	-3.86%	-7.24%	 Benchmark 	-15.99%	7.57%	3.16%	2.17%
Peer Group Rank	7	24	29	44	85	76	+/- Benchmark	-2.54%	0.36%	4.85%	0.30%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• BGRIX	12.18%	11.89%	11.31%	9.94%	5.76%	11.90%	• BGRIX	5.35%	3.23%	6.06%	10.41%
• Benchmark	11.60%	11.12%	11.10%	10.89%	7.42%	13.00%	• Benchmark	6.81%	5.28%	4.21%	6.89%
+/- Benchmark	0.57%	0.78%	0.20%	-0.95%	-1.66%	-1.10%	+/- Benchmark	-1.45%	-2.05%	1.85%	3.51%
Peer Group Rank	29	24	33	41	56	51					
							5-Year Quarterly				
Risk Statistics	3	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• BGRIX	-0.08%	2.59%	3.38%	0.31%
Alpha	1.90	0.00	0.69	0.00	0.78	0.00	 Benchmark 	0.46%	4.59%	1.56%	0.58%
Beta	1.06	1.00	0.99	1.00	0.95	1.00	+/- Benchmark	-0.53%	-2.00%	1.82%	-0.27%
Standard Deviation	15.56	14.07	14.39	13.65	14.53	14.54					
Sharpe Ratio	1.16	1.09	0.80	0.80	0.96	0.95	5-Year Quarterly				
Information Ratio	0.63	-	0.12	-	0.01	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	17.62	15.64	11.13	10.50	14.46	13.65	• BGRIX	1.40%	-8.66%	-1.11%	4.75%
Upside Capture Ratio	111.03	100.00	102.17	100.00	97.44	100.00	Benchmark	4.12%	-7.99%	-1.14%	5.38%
Downside Capture Ratio	104.05	100.00	99.89	100.00	94.83	100.00	+/- Benchmark	-2.72%	-0.67%	0.04%	-0.63%

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

■ Bronze ★★★★

S&P 500 TR USE

08-28-2019 565 US Fund Mid-Cap Growth

S&P 500 TR USD

Category Index
Russell Mid Cap
Growth TR USD

Morningstar Cat
US Fund Mid-Cap
Growth

21 2010				
0				
1st Otr	2nd Otr	3rd Otr	4th Qtr	Total %
10.41	6.06	3.23	5.35	27.35
2.47	8.01	7.94	-18.53	-2.67
21.67	7.03	-0.69	8.65	40.50
1 Yr	3 Yr	5 Yr	10 Yr	Incept
40.50	20.31	12.18	14.28	15.65
40.50	I	12.18	14.28	15.65
40.50	20.31	12.18	14.28	15.65
9.02	5.04	0.48	0.72	
5.03	2.96	0.57	0.04	
6	⇉	27	20	
618	565	501	385	
	Performance 12-31-2019 Duarterly Returns 1st Our 2017 10.41 2018 2.47 2019 21.67 2019 21.67 2019 40.50 3ctd 12-31-2019 40.50 3ctd 12-31-2019 40.50 7ctal Return 40.50 7ctal Index 9.02 7ct Cat Index 5.03 % Rank Cat 6 8c 8c 8c 6c 8c 8c 8c 6c 8c 8c 8c 6c 8c 8c 8c	· · ·	2nd Otr 6.06 8.01 7.03 3 Yr 20.31 20.31 5.04 2.96	2nd Or 3rd Otr 6.06 3.23 8.01 7.94 - 7.03 -0.69 3 Yr 5 Yr 20.31 12.18 20.31 12.18 5.04 0.48 2.96 0.57 11 27 565 501

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 their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and

(if applicable) Morningstar metrics.

data recent

Con and European	www.baronfunds.com.	month-end, please call 800-992-2766 or visit	quoted herein. For performance data current to the most r.	9
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Sales Charges	
Front-End Load %	Z
Deferred Load %	N N
Fund Expenses	
Management Fees %	1.00
12b1 Expense %	0.00
Net Eynense Ratio %	3

565	Risk and Return Profile	Gross Expense Ratio %	Net Expense Ratio %	12b1 Expense %	Management Fees %	Fund Expenses
3 Yr 565 funds						
501						
5 Yr 10 Yr 501 funds 385 funds						
385						
10 Yr funds		1.03	1.03	0.00	1.00	

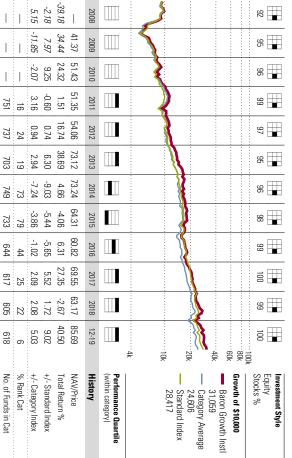
75.96%			Potential Cap Gains Exp
I			12-Month Yield
90.91		81.60	R-Squared
1.04		1.16	Beta
1.32		2.68	Alpha
Growth TR USD	Growth TR USD		
Best Fit Index	Bes	Standard Index	MPT Statistics
0.96	0.80	1.16	Sharpe Ratio
14.28	12.18	20.31	Mean
14.54	14.39	15.56	Standard Deviation
10 Yr	5Yr	3 Yr	
+Avg	+Avg	+Avg	Morningstar Return
Avg	Avg	+Avg	Morningstar Risk
4★	4	4 *	Morningstar Rating™

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Portfolio Analysis 12-31-2019 Asset Allocation % Cash	sis 12-31-2019 Net % 0.00	Long % Short %		Holdings : 57 Total Stocks , 0 Total Fixed-Income,	Net Assets %
US Stocks	97.46 2.44		0.00	Vail Resorts Inc	6.85
Bonds	0.00		<u> </u>	CoStar Group Inc	6.67
Other/Not Clsfd	0.09)	MSCI Inc	6.39
Total	100.00	8	00 ① 10 mil 2 mil	Arch Capital Group Ltd Ansys Inc	5.71 5.31
Value Bland Glownh	Portfolio Statistics P/E Ratio TTM P/C Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	Port Rel Avg Index 32.6 1.44 1 19.9 1.38 0 4.3 1.27 0 9185 0.07 0	Cat ① 2 mil 1.05 1 mil 1.05 3 mil 0.91 ① 1 mil 0.62 ① 2 mil	Gartner Inc A FactSet Research Systems Inc Choice Hotels International Inc IDEXX Laboratories Inc Bright Horizons Family Solutions I	4.64 4.61 4.27 4.27 3.84 3.45
Fixed-Income Style	Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price		① ☆ ① 2 mil 9 mil 4 mil 2 mil	Primerica Inc Gaming and Leisure Properties Inc Iridium Communications Inc SS&C Technologies Holdings Inc Marriott Vacations Worldwide Corp	3.34 3.20 3.00 2.96 2.75
Credit Quality Breakdown —	kdown —	Bond %	ا گ ا	Stoc	Rel Std Index 2.11
AAA AA	NUCOVII	C C	Basic MaterialsConsumer Cyclical	ls 0.0 lical 22.5	0.00 2.35

	0.98 2.71 0.00	Rel Std Index	Bond %
Purchase Constraints: Incept: Type: Total Assets:	→ Defensive ☐ Consumer Defensive ☐ Healthcare ☐ Utilities	➤ Sensitive ☐ Communication Services	• Consumer Cyclical Consumer Cyclical Financial Services Real Estate
A 05-29-2009 MF \$7,285.59 mil	11.0 1.0 10.0 0.0	24.1 3.0 0.0 2.7 18.3	64.9 0.0 22.5 27.6 14.9
	0.44 0.13 0.70 0.00	0.55 0.29 0.00 0.28 0.93	2.11 0.00 2.35 1.73 5.08

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d in a separate agreement, you may use this report only in the country in which its original distributor is based. The yinformation of Moningstar, (2) may include, or be derived from, account information provided by your financial ad true investment achieve effered by Moningstar (3) are provided suely for informational purposes and therefore are tras otherwise required by law, Moningstar is a provided suely for informational purposes and therefore are tras otherwise required by law, Moningstar shall not be responsible for any trading decisions, clamages or other los sad are as of the date written and are subject to change without notice. Investment research its produced and issue sad are sof the date written and are subject to change formations on this report is supplemental sales litery.
t only in the country in which its original distributor is based. The per derived from, account information provided by your financial ad lare provided shelp for informational purposes and therefore are lare provided shelp for informational purposes and therefore are to the provided shelp for informational purposes and order or other lot hange without notice. Investment research is produced and issurant Exchange without notice. Investment research is supplemental sales itter and Exchange Commission. This report is supplemental sales itter.
h its original distributor is based. The ormation provided by your financial ad mrnational purposes and therefore are trading decisions, damages or other lou- stment research is produced and issue. This report is supplemental sales liter.

Objective:

Growth 25.1 Years Multiple Baron Capital Group

Minimum Initial Purchase:

\$1 mil

US0682787041

Family: Tenure:

Greater Europe Greater Asia

97.6 2.4 0.0

Americas

Regional Exposure

Stocks %

Manager:

Ticker:

BGRIX OSD

Base Currency:

ISIN:

Asset Class: Asset Allocation Category: Lifestyle

FUND FACTS

Inception Date: October 1, 2004

September 30, 2019: **0.01%** Investment advisory fee for period ended

12b-1 fee: 0.00%

Other expenses: 0.31%

September 30, 2019: 0.32% waivers or reductions for period ended Total fund annual expenses without

reductions: 0.00% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended September 30, 2019: 0.32%

Turnover rate: 1%

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

Important Information

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

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

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

retirement program. More expenses may be charged under your representative. Other fees and 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

> enrollment material. information is included in the

Investment Objective

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

Strategy

--- 70% in the San Bernardino Stable Value Option where stability of principal is the primary objective. StabilizerSM Allocation Portfolio is to invest in a combination of active and passive minimum. will never fall below the guaranteed a higher interest rate from time to time. guarantees a minimum rate of interest investments in the following proportions: The current rate is subject to change, but for the life of the contract, and may credit The strategy for the Conservative

a benchmark index that measures the investment return of the overall stock developed and emerging markets, excluding the United States.

— 18% in the Vanguard® Total Stock market. which seeks to track the performance of Market Index Fund - Institutional Shares stocks issued by companies located in that measures the investment return of the performance of a benchmark index Institutional Shares, which seeks to track International Stock Market Index Fund 12% in the Vanguard® Total

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

Principal Risks

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

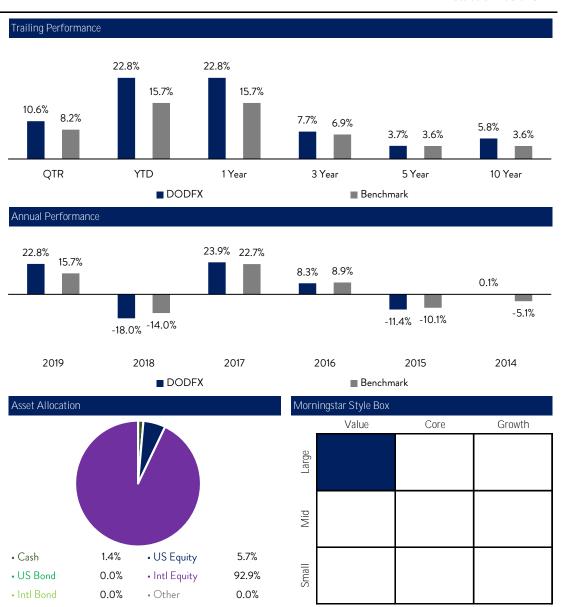


Dodge & Cox International Stock DODFX

Product Details	
Name	Dodge & Cox International Stock
Ticker	DODFX
Expense Ratio	0.630%
Morningstar Category	US Fund Foreign Large Value
Benchmark	MSCI ACWI Ex USA Value NR USD
Inception Date	5/1/2001
Longest Tenured Manager	Bryan Cameron; Diana S. Strandberg;
Longest Manager Tenure	18.67 Years
Fund Size	\$50,227,952,236

Fund Characteristics	DODFX	+/- Category
% Assets in Top 10 Holdings	28.79%	14.48%
Average Market Cap (mil)	\$45,934	\$14,053
P/E Ratio (TTM)	15.13	1.27
P/B Ratio (TTM)	1.13	-0.09
Est. Dividend Yield	3.49%	-0.73%

Sector Allocations	DODFX	Category	+/- Category
Materials	5.8%	8.7%	-2.8%
Communication Services	9.9%	8.4%	1.5%
Consumer Discretionary	7.2%	9.7%	-2.5%
Consumer Staples	1.5%	7.1%	-5.6%
Healthcare	15.7%	9.4%	6.4%
Industrials	8.5%	13.6%	-5.1%
Real Estate	1.3%	2.0%	-0.7%
Technology	8.4%	5.8%	2.7%
Energy	9.2%	8.6%	0.7%
Financial Services	31.5%	23.7%	7.7%
Utilities	0.9%	3.2%	-2.3%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• DODFX	10.61%	22.78%	22.78%	7.67%	3.68%	5.76%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	8.21%	15.71%	15.71%	6.88%	3.65%	3.64%	• DODFX	10.61%	-1.66%	2.81%	9.78%
+/- Benchmark	2.40%	7.06%	7.06%	0.78%	0.03%	2.12%	• Benchmark	8.21%	-2.80%	1.57%	8.33%
Peer Group Rank	11	4	4	22	52	15	+/- Benchmark	2.40%	1.14%	1.25%	1.46%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• DODFX	22.78%	-17.98%	23.94%	8.26%	-11.35%	0.08%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	15.71%	-13.97%	22.66%	8.92%	-10.06%	-5.10%	• DODFX	-12.39%	0.81%	-5.12%	-2.14%
+/- Benchmark	7.06%	-4.01%	1.28%	-0.66%	-1.29%	5.18%	 Benchmark 	-10.71%	1.72%	-3.84%	-1.50%
Peer Group Rank	4	75	37	19	88	2	+/- Benchmark	-1.68%	-0.90%	-1.28%	-0.64%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• DODFX	3.68%	0.64%	0.42%	0.85%	-0.48%	3.74%	• DODFX	1.21%	6.94%	4.75%	9.32%
• Benchmark	3.65%	0.89%	0.29%	1.08%	-0.38%	2.87%	 Benchmark 	4.23%	5.99%	4.08%	6.68%
+/- Benchmark	0.03%	-0.25%	0.13%	-0.23%	-0.09%	0.87%	+/- Benchmark	-3.03%	0.95%	0.67%	2.64%
Peer Group Rank	52	60	40	43	40	34					
							5-Year Quarterly				
Risk Statistics	3,	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• DODFX	3.36%	10.15%	-1.20%	-3.76%
Alpha	0.24	0.00	-0.02	0.00	2.02	0.00	 Benchmark 	3.29%	7.79%	-1.76%	-0.42%
Beta	1.13	1.00	1.08	1.00	1.05	1.00	+/- Benchmark	0.07%	2.35%	0.57%	-3.34%
Standard Deviation	13.96	11.91	14.96	13.29	16.42	15.21					
Sharpe Ratio	0.48	0.47	0.24	0.25	0.39	0.27	5-Year Quarterly				
Information Ratio	0.20	-	0.01	-	0.53	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	5.25	5.17	2.37	2.54	4.93	3.05	• DODFX	0.83%	-15.38%	-0.30%	4.20%
Upside Capture Ratio	112.92	100.00	108.32	100.00	109.96	100.00	Benchmark	1.43%	-13.60%	0.47%	2.14%
Downside Capture Ratio	113.31	100.00	109.57	100.00	101.01	100.00	+/- Benchmark	-0.60%	-1.79%	-0.77%	2.07%

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.

Release date 12-31-2019

US Fund Foreign Large Morningstar Cat

Page 4 of 35

Stock (USD) **Dodge & Cox International**

2017 +/- Cat Index +/- Std Index Total Return Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns Trailing Returns Performance 12-31-2019 1st Otr 22.78 22.78 9.32 -2.14 9.78 22.78 7.06 1.27 1 2nd Otr -2.20 0.78 4.75 -5.12 2.81 7.67 7.67 3 Yr 3rd Otr -1.83 -1.66 6.94 0.03 3.68 3.68 3.68 0.81 5 Yr -12.39 10.61 4th Otr 5.76 5.76 1.21 2.12 0.79 5.76 10 Yr -17.98 22.78 Total % 23.94 Incept 7.22 7.22 7.22 7.22

	1	30-day SEC Yield
		7-day Yield
Unsubsidized	Subsidized	

No. in Cat % Rank Cat

346

304

165 15

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Performance Disclosure
The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year The performance data quoted represents past performance and (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

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-621-3979 or visit

rees and expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.60
12b1 Expense %	NA
Net Expense Ratio %	0.63
P F	3

Fund Expenses			
12b1 Expense %			NA
Net Expense Ratio %			0.63
Gross Expense Ratio %			0.63
Risk and Return Profile			
	3 Yr 304 funds 2	5 Yr 253 funds	10 Yr 165 funds
Morningstar Rating™	3★	2★	4★
Morningstar Risk	High	High	High
Morningstar Return	+Avg	Avg	+Avg
	3 Yr	5 Yr	10 Yr
Standard Deviation	13.96	14.96	16.42
Mean	7.67	3.68	5.76
Sharpe Ratio	0.48	0.24	0.39
MPT Statistics	Standard Index		Best Fit Index MSCI EAFE Value
Alpha	-3.06	6	0.79
Beta	1.16	6	1.15
R-Squared	91.26	26	94.21
12-Month Yield			

307	82	-1.22	-1.16	-46.69	21.90	2008		%	3
340	6	3.18	6.01	47.46	31.85	2009		98	Morningst
364	6	5.85	2.54	13.69	35.71	2010		97 🎞	ngstar A Id 1019
376	<u>~</u>	-2.77	-2.26	-15.97	29.24	2011		8 1	nalyst F
	ı	4.06	4.20	21.03	34.64	2012		8 1	ating™
	ı	11.27	11.03	26.31	43.04	2013		8	Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index ▼ Gold ★★★ MSCI ACWI Ex 06-25-2019 304 US Fund Foreign Large USA NR USD Value
	ı	5.18	3.94	0.08	42.11	2014		94	Mornin Fund For
	ı	-1.29	-5.69	-11.35	36.48	2015		8 🖽	gstar Ra reign Lar
	1	-0.66	3.77	8.26	38.10	2016		97	i ting™ Ge
	ı	1.28	-3.25	23.94	46.32	2017		88	Standard Indea MSCI ACWI Ex USA NR USD
315	<u>∞</u>	-4.01	-3.79	-17.98	36.91	2018		99	d Index CWI Ex USD
346	7	7.06	1.27	22.78	43.60	12-19		99 99 100k 80k 40k 20k	Category Index MSCI ACWI Ex USA Value NR 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 Dodge & Cox International Stock 13,783 Caregory Average 11,263 Standard Index 12,510	Index Morningstar Cat VI Ex US Fund Foreign Larg 3 NR USD Value

Portfolio Analysis 12-31-2019 Asset Allocation % Cash		Long % S	Short %	Share Chg since	Share Amount	Holdings: 70 Total Stocks , 3 Total Fixed-Income,	Net
US Stocks	5.70	5.71	0.00	09-2019	;	1/% lurnover Hatio	
Non-US Stocks	93.11	93.11	0.00	①	16 mil	Sanoti SA	
Bonds	0.00	0.00	0.00	1	27 mil	BNP Paribas	
Other/Not Clsfd	-0.13	0.00	0.13	1	210 mil	ICICI Bank Ltd	
Total	100.00	100.21	0.21	D	118 mil 4 mil	UBS Group AG Roche Holding AG Dividend Right Ce	
Equity Style Value Blend Growth	Portfolio Statistics		1 Cat	① (I)		UniCredit SpA	
- Large	P/E Ratio TTM P/C Ratio TTM	8.6 0.89	1.09	①	17 mil 101 mil	Bayer AG Credit Suisse Group AG	
PiM			0.93	①	97 mil	Mitsubishi Electric Corp	
llsm2	\$mil	45954 1.24	. ‡	1	52 mil	GlaxoSmithKline PLC	
Eivad-Incomo Ctulo				1		Novartis AG	
Ltd Mod Ext	Avg Eff Maturity				00 mil	Camering Electronics Colled Partici	
леіH	Avg Eff Duration Avg Wtd Coupon			1		ITAU UNIBCO HOLDING SA	
рөМ	Avg Wtd Price			1	460 mil	Barclays PLC	

3.27 3.21 3.14 2.96 2.84

64

Sector Weightings	Stocks %	Rel Std Index
ე Cyclical	45.8	1.08
Basic Materials	5.8	0.80
Consumer Cyclical	7.2	0.6
Financial Services	31.5	1.4
Real Estate	1.3	0.41
עיי Sensitive	36.1	1.0
Communication Services	9.9	1.3
▲ Energy	9.2	1.3
ndustrials	8.5	0.7
Technology	8.4	0.88
→ Defensive	18.1	0.8
Consumer Defensive	1.5	0.16
◆ Healthcare	15.7	1.7
Utilities	0.9	0.28

Below B

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Stocks %

Rel S

Greater Asia

Greater Europe Americas Regional Exposure

15.8 59.3 24.8

BB BB

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Credit Quality Breakdown AAA

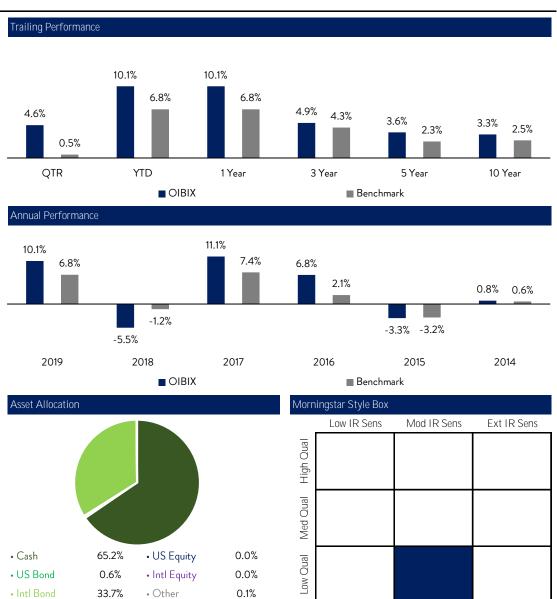
2.83 2.74 2.73 2.61 2.45 2.28 2.28 2.27 2.27 2.27 2.23 2.18

Potential Cap Gains Exp	Exp	1.95%		Utilities	U. 9
Operations					
Family:	Dodge & Cox	Ticker:	DODFX	Incept:	05-01-2001
Manager:	Multiple	ISIN:	US2562061034	Type:	MF
Tenure:	18.7 Years	se:	\$2,500	Total Assets:	\$50,227.95 mil
Objective:	Foreign Stock	Minimum IRA Purchase:	\$1,000		
Base Currency:	USD	Purchase Constraints:	1		

Product Details	
Name	Invesco Oppenheimer International Bd R6
Ticker	OIBIX
Expense Ratio	0.560%
Morningstar Category	US Fund World Bond
Benchmark	BBgBarc Global Aggregate TR USD
Inception Date	1/27/2012
Longest Tenured Manager	Hemant Baijal
Longest Manager Tenure	7.00 Years
Fund Size	\$3,647,049,411

Fund Characteristics	OIBIX	+/- Category
% Assets in Top 10 Holdings	12.81%	5.32%
Average Eff Duration	3.85	-0.67
Average Eff Maturity	12.69	4.72
Average Credit Quality	BB	BBB (Cat Avg.)
Average Coupon	6.45%	2.43%

Sector Allocations	OIBIX	Category	+/- Category
Government	26.9%	47.8%	-20.9%
Municipal	0.0%	0.0%	0.0%
Bank Loan	0.0%	0.6%	-0.6%
Convertible	0.5%	0.7%	-0.2%
Corporate Bond	5.0%	16.0%	-11.0%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	2.0%	4.2%	-2.2%
Non-Agency RMBS	0.0%	1.0%	-1.0%
Commercial MBS	0.0%	0.2%	-0.2%
Asset-Backed	0.0%	2.5%	-2.4%
Cash & Equivalents	9.6%	24.1%	-14.5%
Other	55.9%	3.0%	52.9%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• OIBIX	4.61%	10.05%	10.05%	4.93%	3.59%	3.30%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	0.49%	6.84%	6.84%	4.27%	2.31%	2.48%	• OIBIX	4.61%	-2.68%	4.36%	3.58%
+/- Benchmark	4.13%	3.22%	3.22%	0.66%	1.29%	0.82%	Benchmark	0.49%	0.72%	3.29%	2.20%
Peer Group Rank	3	7	7	15	5	22	+/- Benchmark	4.13%	-3.40%	1.07%	1.38%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• OIBIX	10.05%	-5.53%	11.12%	6.79%	-3.31%	0.77%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	6.84%	-1.20%	7.39%	2.09%	-3.15%	0.59%	• OIBIX	-0.44%	-0.79%	-6.84%	2.66%
+/- Benchmark	3.22%	-4.33%	3.73%	4.71%	-0.16%	0.19%	• Benchmark	1.20%	-0.92%	-2.78%	1.36%
Peer Group Rank	7	86	17	8	13	49	+/- Benchmark	-1.64%	0.13%	-4.05%	1.30%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• OIBIX	3.59%	2.52%	2.61%	2.25%	1.78%	2.04%	• OIBIX	1.35%	2.55%	3.04%	3.76%
• Benchmark	2.31%	1.99%	1.20%	1.04%	1.08%	0.75%	• Benchmark	1.08%	1.76%	2.60%	1.76%
+/- Benchmark	1.29%	0.52%	1.41%	1.21%	0.70%	1.29%	+/- Benchmark	0.27%	0.78%	0.44%	2.00%
Peer Group Rank	5	15	5	9	13	12					
							5-Year Quarterly				
Risk Statistics	3	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• OIBIX	-4.13%	3.59%	3.20%	4.20%
Alpha	1.12	0.00	1.62	0.00	0.74	0.00	 Benchmark 	-7.07%	0.82%	2.89%	5.90%
Beta	0.87	1.00	0.79	1.00	1.10	1.00	+/- Benchmark	2.94%	2.77%	0.31%	-1.70%
Standard Deviation	6.81	3.58	6.35	4.49	6.99	4.62					
Sharpe Ratio	0.49	0.71	0.41	0.29	0.42	0.43	5-Year Quarterly				
Information Ratio	0.11	-	0.24	-	0.17	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	3.69	2.56	3.15	1.20	2.47	1.89	• OIBIX	-0.85%	-1.49%	-1.78%	0.78%
Upside Capture Ratio	97.39	100.00	86.01	100.00	105.99	100.00	• Benchmark	-0.92%	0.85%	-1.18%	-1.92%
Downside Capture Ratio	75.64	100.00	55.12	100.00	93.21	100.00	+/- Benchmark	0.08%	-2.34%	-0.60%	2.70%

International Bd R6 (USD) nvesco **Oppenheimer**

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0.00	0.01				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2017	3.76	3.04	2.55	1.35	11.12
2018	2.66	-6.84	-0.79	-0.44	-5.53
2019	3.58	4.36	-2.68	4.61	10.05
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	10.05	4.93	3.59	I	2.87
Std 12-31-2019	10.05	1	3.59	I	2.87
Total Return	10.05	4.93	3.59	3.30	2.87
+/- Std Index	1.34	0.90	0.54	-0.45	
+/- Cat Index	3.21	0.66	1.28	0.82	
% Rank Cat	7	17	ω	25	
No. in Cat	210	181	171	102	

1. Contractual waiver; Expires 05-28-202 i	30-day SEC Yield 12-31-19	7-day Yield 01-24-20	
121	6.11 1	0.00 1	Subsidized
	6.10	I	Unsubsidized

-5.47 -5.92 -0.68

6.14

2.33

-5.92 -0.28 -8.12

6.97

1.33 7.87

13.07 7.14

11.29 7.07

2008

2009

2010

2011

2012

6.58

Performance Disclosure The Overall Morningstar Rating is based on risk-adjusted returns,

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 quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data their original cost. does not guarantee future results. The investment return and

month-end, please call 800-959-4246 or visit www.invesco.com

Total

Equity Style

гвіде

biM

Bonds

US Stocks Cash Asset Allocation % Portfolio Analysis

Non-US Stocks

Other/Not Clsfd

Deferred Load %	Front-End Load %	Sales Charges	. coo min my

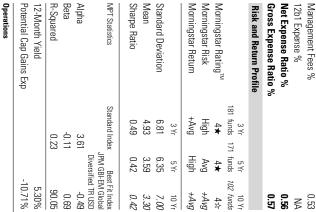
,	Risk and Return Profile
k and Return Profile	

Fixed-Income Style

llem2

ЧбіН

baM



88 88

26.88 17.69 14.39

Sensitive

Real Estate

Financial Services Consumer Cyclical

33.1 2.4 11.8 15.7 3.2

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Credit Quality Breakdown 09-30-2019 AAA

Bond % 18.48 6.37 11.83

Basic Materials Cyclical

묾 Below B

Greater Asia Greater Europe Americas Regional Exposure

Stocks %

Rel Std Index

3.32 1.04

Energy

Industrials

41.7 3.4 4.5 10.4 23.3 25.3 8.1 13.6 3.6

Communication Services

99.0 0.9 0.1

• **+** 17

Healthcare

Consumer Defensive Defensive Technology

12-31-2019	Negative ^a	Rating™	Morningstar Quantitative	ilicoption foruma. Floado fead disciosa
	181	*	0ve	neoroeir









Aggregate TR USD BBgBarc Global



10k	20k		80k	34
Standard Index	Category Average	Invesco Oppenheimer International Bd R6	Growth of \$10,000	Fixed-Income Bond %

						4	
							Performance Quartile (within category)
2013	2014	2015	2016	2017	2018	12-19	History
6.07	5.91	5.51	5.61	5.95	5.35	5.58	NAV/Price
-3.88	0.77	:3 3 3 1	6.79	11.12	-5.53	10.05	Total Return %
-1.86	-5.19	-3.86	4.14	7.58	-5.54	1.34	+/- Standard Index
-1.28	0.19	-0.16	4.71	3.73	-4.33	3.21	+/- Category Index
68	뗤	34	ವ	9	91	7	% Rank Cat
365	385 55	367	339	303	310	210	No. of Funds in Cat

	Avg Wtd Price	Avg Wtd Collinon	Avg Eff Duration	Ava Eff Maturity		\$mil	P/B Ratio I IVI 3.2 -	_,		Portfolio Statistics Port Rel Avg Index	,	100.00 246.38		~		_		Net % Long %	s 09-30-2019	
	÷	6 A5	2 25	12 60						e Kel		146.38	0.61	5.69	0.00	0.03	140 05	Short %		
Sector W	袋	¥		登		贷	袋		袋		袋	袋	袋		益	08-2019	since	Share Chg		
Sector Weightings	155,000 mil	3,715 mil	3,715 mil	959 mil	3,997 mil	11 mil	100 mil	4,200 mil	458	4,935 mil	58 mil	62 mil	367	63 mil	21 mil		Amount) Share		
Stocks %	Republic of Colombia	India (Republic of) 7.17	India (Republic of) 8.2	REPUBLIC OF SOUTH AFRICA GOVERNMEN	India (Republic of) 8.4	MEXICAN BONOS MBONO 8 1/2 05/31/29	New Zealand Government Bond Nzgb 1	Russian Federation	Long-Term Euro-BTP Futures Dec19	India (Rep Of)	ITALY BUONI POLIENNALI DEL TESORO	HELLENIC REPUBLIC GOVERNMENT BOND	Ultra Long German Bond Future (Bux	United Kingdom Gilt Ukt 1 3/4 01/2	MEXICAN BONOS MBONO 8 12/07/23	7% Turnover Ratio	0 Total Stocks , 310 Total Fixed-Income,	Holdings:		
Rel Std Index	1.27	1.47	1.54	1.62	1.66	1.71	1.76	1.79	-1.99	2.06	2.06	2.30	-2.38	2.52	2.97		%	Net Assets		

67

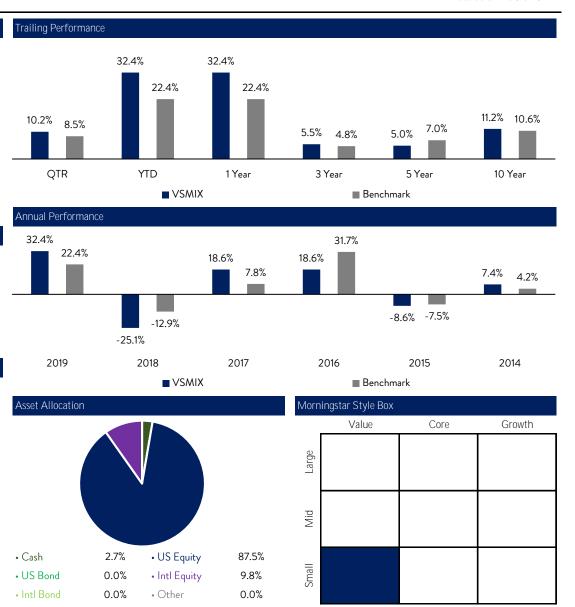
Objective:	Tenure:	Manager:	Family:	Operations
Worldwide Bond	7.0 Years	Multiple	Invesco	
Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:	
\$1 mil	US00143K6249	OIBIX	USD	
Total Assets:	Туре:	Incept:	Purchase Constraints:	
\$3,647.05 mil	MF	01-27-2012	Α	

Invesco Small CapValue Y VSMIX

Product Details	
Name	Invesco Small CapValue Y
Ticker	VSMIX
Expense Ratio	0.870%
Morningstar Category	US Fund Small Value
Benchmark	Russell 2000 Value TR USD
Inception Date	8/12/2005
Longest Tenured Manager	Jonathan Edwards;Jonathan Mueller;
Longest Manager Tenure	9.58 Years
Fund Size	\$1,295,491,877

Fund Characteristics	VSMIX	+/- Category
% Assets in Top 10 Holdings	31.01%	10.57%
Average Market Cap (mil)	\$3,182	\$216
P/E Ratio (TTM)	13.09	-3.34
P/B Ratio (TTM)	1.47	-0.07
Est. Dividend Yield	1.31%	-0.70%

Sector Allocations	VSMIX	Category	+/- Category
Materials	18.5%	5.5%	13.0%
Communication Services	0.0%	1.4%	-1.4%
Consumer Discretionary	16.4%	12.1%	4.3%
Consumer Staples	1.5%	4.0%	-2.6%
Healthcare	6.8%	4.4%	2.4%
Industrials	25.7%	18.5%	7.2%
Real Estate	0.0%	9.9%	-9.9%
Technology	9.1%	8.7%	0.5%
Energy	7.2%	5.0%	2.2%
Financial Services	14.8%	26.7%	-11.9%
Utilities	0.0%	3.8%	-3.8%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VSMIX	10.21%	32.35%	32.35%	5.53%	4.96%	11.24%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	8.49%	22.39%	22.39%	4.77%	6.99%	10.56%	• VSMIX	10.21%	-2.34%	2.83%	19.58%
+/- Benchmark	1.72%	9.96%	9.96%	0.76%	-2.03%	0.68%	 Benchmark 	8.49%	-0.57%	1.38%	11.93%
Peer Group Rank	8	4	4	28	64	19	+/- Benchmark	1.72%	-1.77%	1.46%	7.65%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VSMIX	32.35%	-25.11%	18.58%	18.61%	-8.64%	7.43%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	22.39%	-12.86%	7.84%	31.74%	-7.47%	4.22%	• VSMIX	-23.92%	-0.31%	1.40%	-2.62%
+/- Benchmark	9.96%	-12.25%	10.74%	-13.13%	-1.17%	3.21%	 Benchmark 	-18.67%	1.60%	8.30%	-2.64%
Peer Group Rank	4	99	2	87	77	8	+/- Benchmark	-5.26%	-1.91%	-6.90%	0.01%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VSMIX	4.96%	4.22%	3.21%	3.44%	0.67%	8.59%	• VSMIX	6.35%	6.29%	0.10%	4.80%
• Benchmark	6.99%	7.17%	5.39%	5.59%	3.61%	9.91%	• Benchmark	2.05%	5.11%	0.67%	-0.13%
+/- Benchmark	-2.03%	-2.95%	-2.18%	-2.15%	-2.94%	-1.32%	+/- Benchmark	4.31%	1.18%	-0.57%	4.93%
Peer Group Rank	64	74	70	73	83	61					
							5-Year Quarterly				
Risk Statistics	3 '	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VSMIX	11.90%	12.25%	-5.12%	-0.48%
Alpha	0.53	0.00	-2.82	0.00	-0.40	0.00	 Benchmark 	14.07%	8.87%	4.31%	1.70%
Beta	1.31	1.00	1.28	1.00	1.16	1.00	+/- Benchmark	-2.17%	3.39%	-9.43%	-2.18%
Standard Deviation	21.86	15.90	21.51	15.88	20.76	16.78					
Sharpe Ratio	0.28	0.27	0.28	0.44	0.59	0.65	5-Year Quarterly				
Information Ratio	0.09	-	-0.24	-	0.09	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	2.92	3.06	3.01	5.89	9.19	9.98	• VSMIX	1.54%	-13.98%	-0.42%	5.04%
Upside Capture Ratio	119.28	100.00	111.69	100.00	111.76	100.00	• Benchmark	2.88%	-10.73%	-1.20%	1.98%
Downside Capture Ratio	119.28	100.00	125.95	100.00	114.18	100.00	+/- Benchmark	-1.33%	-3.24%	0.77%	3.06%

(USD) nvesco Small CapValue ~

Morningstar Analyst Rating™ Overall Morningstar Rating™ **Bronze**387 US Fund Small Value

S&P 500 TR USD

Standard Index Category Index

Russell 2000 Value TR USD

US Fund Small Value Morningstar Cat

Page 6 of 35

Performance 12-31-2019	-31-2019				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total 9
2017	4.80	0.10	6.29	6.35	18.58
2018	-2.62	1.40	-0.31	-23.92	-25.1
2019	19.58	2.83	-2.34	10.21	32.35
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incep
Load-adj Mthly	32.35	5.53	4.96	11.24	9.1
Std 12-31-2019	32.35	1	4.96	11.24	9.1
Total Return	32.35	5.53	4.96	11.24	9.1
+/- Std Index	0.87	-9.74	-6.74	-2.32	ı
+/- Cat Index	9.96	0.76	-2.03	0.68	ı
% Rank Cat	2	25	58	20	
No. in Cat	419	387	346	237	

30-day SEC Yield Performance Disclosure 7-day Yield 01-24-20 Subsidized 0.00 Unsubsidized

The Overall Morningstar Rating is based on risk-adjusted returns, 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 their original cost. does not guarantee future results. The investment return and The performance data quoted represents past performance and (if applicable) Morningstar metrics.

month-end, please call 800-959-4246 or visit www.invesco.com 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

Z

Deferred Load %	NA
Fund Expenses	
Management Fees %	0.64
12b1 Expense %	NA
Net Expense Ratio %	0.87
Gross Expense Ratio %	0.87
Risk and Return Profile	

21.75%			Potential Cap Gains Exp
			12-Month Yield
93.74	35	80.65	R-Squared
1.26	23	1.62	Beta
3.02	54	-15.54	Alpha
Small Val TR USD	S		
Best Fit Index		Standard Index	MPT Statistics
3 0.59	0.28	0.28	Sharpe Ratio
5 11.24	4.96	5.53	Mean
1 20.76	21.51	21.86	Standard Deviation
r 10 Yr	5Yr	3 Yr	
g +Avg	Avg	+Avg	Morningstar Return
n High	High	High	Morningstar Risk
~ 3 ★	2★	3 ★	Morningstar Rating [™]
s 237 funds	346 funds	387 funds	
r 10 Yr	5Yr	3 Yr	
			Risk and Return Profile
0.87			Gross Expense Ratio %
0.87			Net Expense Ratio %
NA			12b1 Expense %

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438	12	2.29	10.36	-26.64	11.17	2008		\$ ■
370	45	9.57	3.68	30.14	14.51	2009		¥ =
342	19	5.26	14.70	29.77	18.21	2010		98 🖽
352	84	-2.50	-10.12	-8.00	15.64	2011		₩ 5
357	6	4.86	6.91	22.91	16.68	2012		8 🖽
369	57	10.03	12.16	44.55	22.17	2013		97
396	7	3.21	-6.26	7.43	20.25	2014		8 🖽
433	76	-1.17	-10.02	-8.64	16.68	2015		8 🖽
405	87	-13.13	6.65	18.61	19.39	2016		97
397	_	10.74	-3.25	18.58	19.81	2017		97 🖽
417	88	-12.25	-20.73	-25.11	11.80	2018		\$ €
419	2	9.96	0.87	32.35	15.25	12-19		97 1100k 80k 40k 110k
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 Invesco Small CapValue Y 27,709 Category Average 22,542 Standard Index 28,417

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U.UU	U.U	E Real Estate				BBB
0.93		Financial Services				A
1.72		Consumer Cyclical				AA
8.04	18.5	Basic Materials	8		u de la companya de l	AAA
1.62	49.7	Դ Cyclical	Bond %			Cradit Quality Brask
Rel Std Index	Stocks %	Sector Weightings				MOT
2.32	Parsley Energy Inc A	2 mil F			Avg Wtd Price	paM
2.44	First Horizon National Corp	① 2 mil F			Avg Wtd Coupon	цбі
2.50	AGCO Corp	437,594 /			Avg Eff Duration	Ltd Mod Ext
2.53	Brookdale Senior Living Inc	4 mil E			Ava Eff Motority	Fixed-Income Style
2.57	Huntsman Corp	1 mil +				
2.68	CNO Financial Group Inc	2 mil C	-		\$mil	Ilsm2
2.79	MGIC Investment Corp	3 mil N	0.95	3187 0.43	Geo Ava Mkt Can	biN
2.84	Crown Holdings Inc		0.80		P/C Ratio I IM	1 9
2.85	LKQ Corp	1 mil L			P/E Ratio TTM	ileq.
2.95	Flex Ltd	4 mil F		Avg Index	FOILIOITO SIGUSUES	Value Blend Growth
7.00	מפוכם אווי מפוך		D		Portfolio Statistics	Equity Style
3.12 2.99	Carpenter Technology Corp	799,404		100.01	100.00	Total
3.24	Owens-Coming Inc		0.00	0.00	0.00	Other/Not Clsfd
3.71	Energizer Holdings Inc		_	0.00	0.00	Bonds
3.85	AECOM	① 1 mil 2	_	9.77	9.77	Non-US Stocks
	43% Turnover Katio		_	87.53	87.53	US Stocks
%	63 Total Stocks , 67 Total Fixed-Income,	Amount		2.70	2.70	Cash
Net Assets	Holdings:	Share Chg Share H	Short %	Long %	Net %	Asset Allocation %
					s 09-30-2019	Portfolio Analysis 09-30-2019

70

Minimum IRA Purchase:	Min Auto Investment Plan:	Minimum Initial Purchase:	ISIN:	Ticker:
\$250	\$50	\$1,000	US00143M4978	VIMIX
	Total Assets:	Туре:	Incept:	Purchase Constraints:
	\$1,295.49 mil	MF	08-12-2005	A

Objective:

Small Company 9.6 Years Multiple

Base Currency:

Tenure:

Manager:

Family:

Invesco

Greater Asia

Greater Europe Americas Regional Exposure

90.0

104.39 0.91 5.22 22

Healthcare Consumer Defensive Defensive Technology

1.5 6.8 0.0 83

0.33 0.20 0.48

Utilities

Rel Std Index

Industrials

Energy

42.0 0.0 7.2 25.7 9.1

0.95 0.00 1.65 2.69 0.46

Communication Services

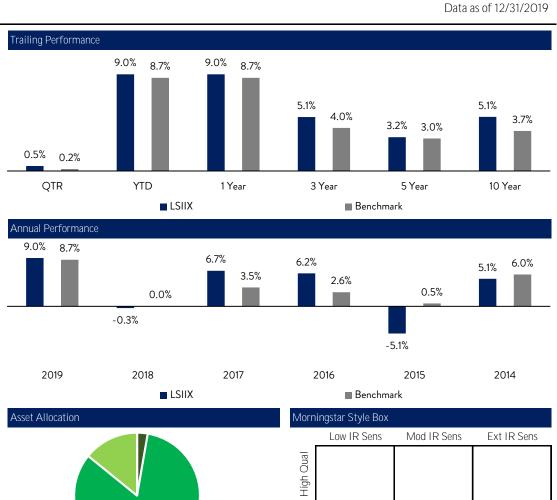
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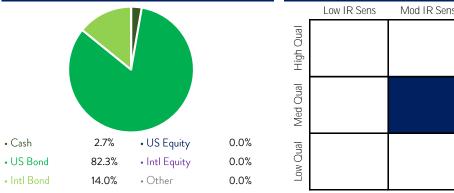
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Product Details	
Name	Loomis Sayles Investment Grade Bond Y
Ticker	LSIIX
Expense Ratio	0.510%
Morningstar Category	US Fund Intermediate Core-Plus Bond
Benchmark	BBgBarc US Agg Bond TR USD
Inception Date	12/31/1996
Longest Tenured Manager	Matthew J. Eagan; Elaine M. Stokes;
Longest Manager Tenure	13.33 Years
Fund Size	\$5,643,980,126

Fund Characteristics	LSIIX	+/- Category
% Assets in Top 10 Holdings	22.78%	-24.15%
Average Eff Duration	5.87	0.44
Average Eff Maturity	8.17	0.66
Average Credit Quality	BBB	BBB (Cat Avg.)
Average Coupon	3.91%	0.44%

Sector Allocations	LSIIX	Category	+/- Category
Government	19.6%	27.9%	-8.3%
Municipal	0.2%	0.5%	-0.3%
Bank Loan	0.0%	0.4%	-0.4%
Convertible	0.7%	0.8%	-0.1%
Corporate Bond	50.3%	26.5%	23.8%
Preferred Stock	0.3%	0.1%	0.2%
Agency MBS	0.0%	24.5%	-24.5%
Non-Agency RMBS	1.5%	3.1%	-1.6%
Commercial MBS	0.5%	0.8%	-0.4%
Asset-Backed	24.3%	10.8%	13.4%
Cash & Equivalents	2.7%	4.4%	-1.7%
Other	0.0%	0.3%	-0.3%





Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• LSIIX	0.46%	9.04%	9.04%	5.05%	3.16%	5.06%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	0.18%	8.72%	8.72%	4.03%	3.05%	3.75%	• LSIIX	0.46%	2.10%	2.86%	3.35%
+/- Benchmark	0.28%	0.33%	0.33%	1.02%	0.11%	1.31%	• Benchmark	0.18%	2.27%	3.08%	2.94%
Peer Group Rank	36	55	55	8	52	13	+/- Benchmark	0.28%	-0.17%	-0.22%	0.41%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• LSIIX	9.04%	-0.32%	6.66%	6.16%	-5.08%	5.14%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	8.72%	0.01%	3.54%	2.65%	0.55%	5.97%	• LSIIX	-0.59%	0.96%	-0.74%	0.07%
+/- Benchmark	0.33%	-0.33%	3.12%	3.51%	-5.63%	-0.82%	• Benchmark	1.64%	0.02%	-0.16%	-1.46%
Peer Group Rank	55	29	3	6	98	64	+/- Benchmark	-2.22%	0.94%	-0.58%	1.53%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• LSIIX	3.16%	3.16%	2.30%	2.39%	2.41%	2.85%	• LSIIX	0.16%	1.69%	2.14%	2.52%
• Benchmark	3.05%	3.38%	2.95%	2.74%	2.52%	2.16%	• Benchmark	0.39%	0.85%	1.45%	0.82%
+/- Benchmark	0.11%	-0.22%	-0.65%	-0.35%	-0.11%	0.69%	+/- Benchmark	-0.23%	0.85%	0.70%	1.70%
Peer Group Rank	52	61	82	69	53	28					
							5-Year Quarterly				
Risk Statistics	3`	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• LSIIX	-2.12%	2.25%	2.43%	3.56%
Alpha	2.00	0.00	0.97	0.00	2.18	0.00	• Benchmark	-2.98%	0.46%	2.21%	3.03%
Beta	0.55	1.00	0.56	1.00	0.73	1.00	+/- Benchmark	0.86%	1.79%	0.21%	0.53%
Standard Deviation	2.52	2.91	3.57	3.06	4.38	2.87					
Sharpe Ratio	1.29	0.80	0.59	0.64	1.01	1.09	5-Year Quarterly				
Information Ratio	0.43	-	0.03	-	0.33	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	6.06	2.31	3.64	1.94	6.16	3.16	• LSIIX	-0.19%	-2.71%	-1.69%	-0.57%
Upside Capture Ratio	82.34	100.00	77.98	100.00	110.61	100.00	Benchmark	-0.57%	1.23%	-1.68%	1.61%
Downside Capture Ratio	-2.87	100.00	47.73	100.00	71.38	100.00	+/- Benchmark	0.38%	-3.94%	-0.01%	-2.18%

Grade Bond Y **Loomis Sayles Investment** (USD)

88

94

93

90

87

88

84

63

88

60k 60k 100 4

96

2017 +/- Cat Index +/- Std Index Total Return Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns No. in Cat % Rank Cat Trailing Returns Performance 12-31-2019 1st Otr -0.250.33 9.04 9.04 9.04 3.35 0.07 2.52 1 2nd Otr 1.02 0.75 5.05 2.14 -0.74 5.05 2.86 530 3 Υ 0 3rd Otr -0.28 0.11 3.16 3.16 3.16 2.10 0.961.69 444 5 Yr 54 0.16 -0.59 4th Ot 0.93 5.06 5.06 5.06 0.46 1.31 10 Y 332 Total % Incept 6.99 6.66 -0.32 9.04 6.99 6.99

30-day SEC Yield 01-24-20 1. Contractual waiver; Expires 04-30-2020 7-day Yield Subsidized 2.47 Unsubsidized

2.42

11.52 12.13

12.25 12.62

11.94

2008

2009

2010

2011

2012

-13.80 -16.66 9.72 -11.42

18.67 27.27 21.34 11.68

4.36 4.98

-2.32 5.08 -2.76

6.72 8.04

384

400

428

456

467

89

ω

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

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 retum and The performance data quoted represents past performance and

month-end, please call 800-225-5478 or visit NGAM.natixis.com. quoted herein. For performance data current to the most recent Current performance may be lower or higher than return data

Bonds

US Stocks Cash Asset Allocation %

Portfolio Analysis 11-30-2019

Non-US Stocks

Other/Not Clsfd

Total

Equity Style

гвіде

Fees and Expenses

Sales Charges Front-End Load %	z
Deferred Load %	z
Fund Expenses	
Management Fees %	0.,
12b1 Expense %	0.0
Net Expense Ratio %	e.

Fixed-Income Style

Small biM

ЧбіН

baM

0.93%				Potential Cap Gains Exp
3.45%				12-Month Yield
59.85		39.24	ω	R-Squared
0.56		0.55		Beta
1.05		2.00		Alpha
TR USD) () ()			
Best Fit Index BBaBarc US Credit	B _B BBqBa	Index	Standard Index	MPT Statistics
1.01	0.59	•	1.29	Sharpe Ratio
5.06	3.16	01	5.05	Mean
4.38	3.57		2.52	Standard Deviation
10 Yr	5Yr	_	3 Yr	
+Avg	Avg	_	High	Morningstar Return
High	High	_	Avg	Morningstar Risk
4★	3 ★	•	5≯	Morningstar Rating [™]
10 Yr 332 funds	5 Yr funds	s 444	3 Yr 530 funds	
				Risk and Return Profile
0.57				Gross Expense Ratio %
0.51				Net Expense Ratio %
0.00				12b1 Expense %
0.40				Management Fees %
				Fund Expenses

₿

31.48 4.67 17.37

38.47 4.10

Credit Quality Breakdown 11-30-2019 AAA

돆 Below B 888

Morningstar Analyst Rating™ Overall Morningstar Rating™ \$\foli \times Core-Plus Bond Standard Index

85 22

Bond TR USD

BBgBarc US Agg

Universal TR USD BBgBarc US Category Index

Core-Plus Bond US Fund Intermediate

Morningstar Cat

Page 7 of 35

Investment Style
Fixed-Income
Bond % Growth of \$10,000 Category Average 16,737 18,463 Loomis Sayles Investment Grade Bond Y

16,103 Standard Index

<u>,</u> 20

						4	
							Performance Quartile (within category)
2013	2014	2015	2016	2017	2018	12-19	History
11.90	11.87	10.85	10.79	11.05	10.78	11.34	NAV/Price
1.36	5.14	-5.08	6.16	6.66	-0.32	9.04	Total Return %
3.38	-0.82	-5.63	3.51	3.12	-0.33	0.33	+/- Standard Index
2.70	-0.42	-5.51	2.25	2.57	-0.06	-0.25	+/- Category Index
7	62	99	7	ω	<u> </u>	57	% Rank Cat
500	510	528	561	597	617	613	No. of Funds in Cat

kdown 11-30-2019		Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price		Geo Avg Mkt Cap \$mil	P/B Ratio TTM	P/C Ratio TTM	P/E Ratio TTM	Portfolio Statistics		100.00	0.96	96.71	0.00	0.00	2.3	Net %	is 11-30-2019	
Bond %		8.17 5.87 3.91 106.20		 	 	 	 	S Port Hel Hel Avg Index Cat		0 100 40 0 40	0.96	96.71	0.00		2.73	% Long % Short %		
Basic Materials		55 mil 50 mil 52 mil 49 mil	. ☆ 55 mil	55 mil	48 mil	- 61 mil	- 70 mil	t 79 mil	89 mil	112 mil) 🌣 166 mil) 211 mil) 284 mil) 10-2019	_	, Share Chg Share		
	Stocks %	Il Kreditanstalt Fur Wiederaufbau 1.5% Il Jefferies Group LLC 5.12% Il Shell International Finance B.V. 1 Il Bank of America Corporation 3.42%	Il United States Treasury Notes 1.5%				il JPMorgan Chase & Co. 4.12%	il Textron Inc. 5.95%	II United States Treasury Notes 1.62%	II United States Treasury Bonds 3%	II United States Treasury Notes 1.5%	II United States Treasury Bonds 3%				e Holdings:		
	Rel Std Index	0.99 0.97 0.94 0.93	0.99	1.00	102	1 21	1.38	1.49 3	1.57	2.34	2.98	4.42	5.36	1	%	Net Assets		

Sector Weightings	Stocks %	Rel Std Index
Դ Cyclical		1
★ Basic Materials		1
Consumer Cyclical		
Financial Services		
■ Real Estate	I	I
₩ Sensitive	I	I
■ Communication Services		
Energy	1	1
Industrials		
■ Technology		
→ Defensive	1	1
Consumer Defensive	1	1
◆ Healthcare		
Utilities		

Operations	
Family:	Natixis Funds
Manager:	Multiple
Tenure:	13.3 Years
Objective:	Corporate Bond - General
Base Currency:	USD

Greater Asia Greater Europe Americas Regional Exposure

Stocks %

Rel Std Index

0.06 3.68 0.16

100.0 0.0 0.0

Purchase Constraints:	Min Auto Investment Plan:	Minimum Initial Purchase:	ISIN:	Ticker:
[\$100,000	\$100,000	US5434871365	LSIIX

Type: Incept:

Total Assets:

\$5,643.98 mi 12-31-1996

M\(\text{RNINGSTAR}\)

Asset Class: Asset Allocation Category: Lifestyle

FUND FACTS

Inception Date: October 1, 2004

September 30, 2019: **0.13%** Investment advisory fee for period ended

12b-1 fee: 0.00%

Other expenses: 0.12%

September 30, 2019: 0.25% waivers or reductions for period ended Total fund annual expenses without

reductions: 0.00% Total waivers, recoupments, and

Net fund annual expenses after waivers or reductions for period ended September 30, 2019: 0.25%

Turnover rate: 15%

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

Important Information

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

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

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

retirement program. More expenses may be charged under your representative. Other fees and 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

> enrollment material. information is included in the

Investment Objective

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

Strategy

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

---20% in the San Bernardino Stable Value Option where stability of principal is the primary objective. StabilizerSM will never fall below the guaranteed a higher interest rate from time to time. guarantees a minimum rate of interest The current rate is subject to change, but for the life of the contract, and may credit

Grade Bond – Class Y, which seeks high total investment return through a combination of current income and minimum. ---7% in the Loomis Sayles Investment apital appreciation. 24% in the Vanguard® Total

which seeks to track the performance of a benchmark index that measures the developed and emerging markets, excluding the United States. market Market Index Fund - Institutional Shares stocks issued by companies located in that measures the investment return of investment return of the overall stock --- 36% in the Vanguard® Total Stock the performance of a benchmark index Institutional Shares, which seeks to track International Stock Market Index Fund

combination of income and capital maximize total return through a -- 6% in Pioneer Global High Yield Fund Class Y Shares, which seeks to

> return. --- 7% in Oppenheimer International Bond Fund - Class I, which seeks total

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

Principal Risks

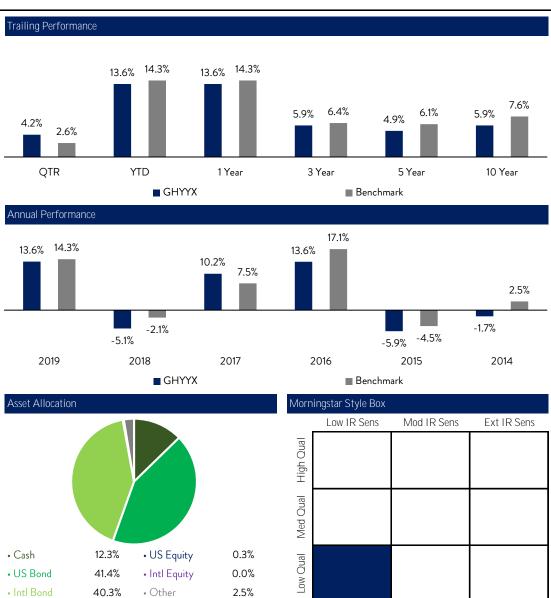
relate to currency and political uncertainty. The risks of Lifestyle stocks do carry additional risks that Generally, the probability of loss of principal is greater with investment funds certain risk characteristics that include All equity (both U.S. and International) and fixed income investments exhibit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



Product Details	
Name	Pioneer Global High Yield Y
Ticker	GHYYX
Expense Ratio	0.920%
Morningstar Category	US Fund High Yield Bond
Benchmark	BBgBarc US Corporate High Yield TR USD
Inception Date	12/28/2005
Longest Tenured Manager	Andrew Feltus
Longest Manager Tenure	18.42 Years
Fund Size	\$300,251,187

Fund Characteristics	GHYYX	+/- Category
% Assets in Top 10 Holdings	8.02%	-56.51%
Average Eff Duration	3.27	0.65
Average Eff Maturity	4.53	-0.02
Average Credit Quality	В	B (Cat Avg.)
Average Coupon	6.53%	-0.19%

Sector Allocations	GHYYX	Category	+/- Category
Government	7.5%	1.5%	6.1%
Municipal	0.0%	0.0%	0.0%
Bank Loan	3.3%	2.9%	0.4%
Convertible	2.9%	1.1%	1.8%
Corporate Bond	72.9%	82.9%	-10.1%
Preferred Stock	0.3%	0.2%	0.1%
Agency MBS	0.0%	0.2%	-0.2%
Non-Agency RMBS	0.0%	0.1%	-0.1%
Commercial MBS	0.3%	0.1%	0.2%
Asset-Backed	0.1%	0.7%	-0.6%
Cash & Equivalents	12.7%	6.7%	6.0%
Other	0.0%	3.6%	-3.6%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• GHYYX	4.16%	13.64%	13.64%	5.92%	4.89%	5.90%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	2.61%	14.32%	14.32%	6.37%	6.13%	7.57%	• GHYYX	4.16%	-0.28%	3.13%	6.10%
+/- Benchmark	1.54%	-0.67%	-0.67%	-0.45%	-1.24%	-1.67%	Benchmark	2.61%	1.33%	2.50%	7.26%
Peer Group Rank	1	46	46	27	55	81	+/- Benchmark	1.54%	-1.62%	0.63%	-1.16%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• GHYYX	13.64%	-5.13%	10.21%	13.57%	-5.92%	-1.72%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	14.32%	-2.08%	7.50%	17.13%	-4.47%	2.45%	• GHYYX	-4.61%	1.98%	-2.33%	-0.15%
+/- Benchmark	-0.67%	-3.05%	2.71%	-3.56%	-1.45%	-4.17%	• Benchmark	-4.53%	2.40%	1.03%	-0.86%
Peer Group Rank	46	92	3	51	82	96	+/- Benchmark	-0.08%	-0.43%	-3.36%	0.71%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• GHYYX	4.89%	3.01%	2.55%	2.56%	1.88%	3.38%	• GHYYX	1.11%	2.83%	2.86%	3.06%
• Benchmark	6.13%	5.37%	4.70%	4.68%	3.83%	5.54%	• Benchmark	0.47%	1.98%	2.17%	2.70%
+/- Benchmark	-1.24%	-2.37%	-2.14%	-2.12%	-1.95%	-2.16%	+/- Benchmark	0.64%	0.85%	0.69%	0.36%
Peer Group Rank	55	91	89	88	86	86					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• GHYYX	1.29%	5.24%	4.00%	2.44%
Alpha	-0.20	0.00	-0.98	0.00	-1.95	0.00	• Benchmark	1.75%	5.55%	5.52%	3.35%
Beta	0.95	1.00	0.96	1.00	1.06	1.00	+/- Benchmark	-0.46%	-0.31%	-1.52%	-0.92%
Standard Deviation	4.54	4.07	5.51	5.28	6.60	5.80					
Sharpe Ratio	0.91	1.12	0.69	0.95	0.81	1.19	5-Year Quarterly				
Information Ratio	-0.19	-	-0.58	-	-0.71	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	4.40	4.65	3.94	5.03	5.01	6.98	• GHYYX	-2.41%	-6.61%	1.60%	1.60%
Upside Capture Ratio	91.85	100.00	89.22	100.00	94.86	100.00	Benchmark	-2.07%	-4.86%	0.00%	2.52%
Downside Capture Ratio	88.96	100.00	101.69	100.00	119.44	100.00	+/- Benchmark	-0.34%	-1.75%	1.60%	-0.93%

Morningstar Cat
US Fund High Yield

Page 8 of 35

Bond

(USD) Pioneer Global High Yield Y

2017 +/- Cat Index +/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns No. in Cat % Rank Cat Total Return Trailing Returns Performance 12-31-2019 1st Otr 13.64 13.64 13.64 -0.15 -0.774.93 6.10 3.06 711 2nd Otr 2.86 -2.33 -0.40 5.92 5.92 3.13 1.89 616 3 Υ 30 3rd Otr -1.24 -0.28 4.89 2.83 1.84 4.89 4.89 1.98 539 5 Yr 53 4th Ot -1.59 5.90 5.90 -4.61 2.16 5.90 4.16 1.1 10 Yr 339 80 Total % 13.64 10.21 Incept 5.62 5.62 5.62

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

> -40.89 -35.65

57.81 9.48 63.74

2008 6.51

2009

-9.26

559

543 6.23

574

662 85

731

707 48

699

695 සු

No. of Funds in Cat % Rank Cat

46

9

6

21

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

their original cost.

US Stocks Non-US Stocks

Cash

Asset Allocation % Portfolio Analysis

Bonds

Other/Not Clsfd

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call 800-225-6292 or visit

Total

quity Style

rees and expenses	
Sales Charges	
Front-End Load %	NA
Deferred Load %	N
Fund Expenses	
Management Fees %	0.70
12b1 Expense %	0.00
Net Expense Ratio %	0.92
Gross Expense Ratio %	0.92

Fixed-Income Style

llem2 biM гвіде

ЧбіН

12-Month Yield	R-Squared	Beta	Alpha		MPT Statistics	Sharpe Ratio	Mean	Standard Deviation		Morningstar Return	Morningstar Risk	Morningstar Rating [™]		Risk and Return Profile	Gross Expense Ratio %	Net Expense Ratio %	12b1 Expense %	Management Fees %	Fund Expenses
	1.47	-0.19	4.60		Standard Index	0.91	5.92	4.54	3 Yr	+Avg	+Avg	4★	3 Yr 616 funds 53						
				Val	NSO	0.70	4.89	5.51	5 Yr	Avg	+Avg	3 ⋆	5 Yr 539 funds						
	73.42	0.33	2.30	Value NR USD	Best Fit Index	0.82	5.90	6.60	10 Yr	-Avg	+Avg	2★	10 Yr 339 funds		0.92	0.92	0.00	0.70	

₽

Credit Quality Breakdown 11-30-2019 AAA

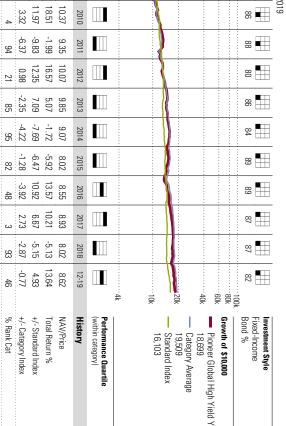
MOT

baM

	84	Neutral a 12-31-2019	Morning: Rating [™]
	86	1 °	ngstar O
	88	-	Morningstar Quantitative Rating [™]
	80	-	ive
	88	616 US	Overall
	84	616 US Fund Hig	Overall Morning

83

star O	star Quantitative	_	0verall	Morning	ystar Ra	ting™	Overall Morningstar Rating™ Standard Index	d Index	Category Index	Index
_			**				BBgBarc US Agg	US Agg	ICE BofA US High	US High
٥			616 US Fund High Yield Bond	Fund Hig	h Yield		Bond TR USD	USD	Yield TR USD	JSD
19										
										Investme
86	88	80	88	84	89	89	87	87		Bond %
									80k	Growth o
									OUR	■ Pion



		Avg Eff Maturity Avg Eff Duration Avg Wtd Coupon Avg Wtd Price	P/B Ratio TTM Geo Avg Mkt Cap \$mil	Portfolio Statistics P/E Ratio TTM P/C Ratio TTM	100.00	0.02 82.54 5.73	Net % 11.43 0 27	11-30-2019
		4.53 3.27 — 101.67		Port Rel Rel Avg Index Cat	28 2.		Long % Short % 12.61 1.18 0.27 0.00	
O. Cyclical	Sector Weightings		① 2 mi 2 mi 2 mi	3 mi 2 mi 2 mi	2 mil 3 mil	☆ 3 mi	Share Chg Share since Amount 10-2019	
	Stocks %			Turkey (Republic of) 3.25% Taylor Morrison Communities Inc 5. JBS USA Lux S A & JBS USA Finance	Hidrovias International Finance S Financiera Independencia, S.A. de	Nationstar Mortgage LLC 6.5% Platin 1426. GmbH 5.38% Wolverine Escrow LLC 8.5%	Holdings: 18 Total Stocks , 261 Total Fixed-Income, 54 % Tumover Ratio	
	Rel Std Inde	0.7: 0.7: 0.7: 0.7:	0.7. 0.7.	0.7 0.71 0.71	0.8I 0.71	0.9.	Net Asset	

77

	7.33 Rel Std Index ————————————————————————————————————	27.52 48.48	Rel Rel Index Cat	0.00 0.00 1.11 0.00 3 0.00 3 2.28
Purchase Constraints: Incept: Type: Total Assets:	☐ Industrials ☐ Technology ☐ Defensive ☐ Consumer Defensive ☐ Utilities	:	3 mil Tur 2 mil Jay 2 mil Jus 2 mil Jus 2 mil Mil 2 mil Vik 2 mil Vik 8 sector Weightings 7 Cyclical 3 Financial Services 3 Real Estate	
aints: — 12-28-2005 MF \$300.25 mil	erensive	Sensitive Communication Services	<u> </u>	I Nationstar Mortgage LLC 6.5% I Platin 1426. 6mbH 5.38% I Wolverine Escrow LLC 8.5% I Hidrovias International Finance S I Financiera Independencia, S.A. de
-2005 25 mil		H	% JSA Finance JUSA	LC 6.5% 3% 8.5% Finance S sia, S.A. de
			0.77 0.76 0.76 0.75 0.74 0.74 0.72 0.72 0.72 0.70 0.70 0.70 0.70 0.70	0.97 0.89 0.83 0.80 0.78

companied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.	it not limited to. Morninostar Research Services LLC, registered with and governed by the U.S. Securities and Exchange Commission. This report is supplemental sales literature. If applicable	ormation, data, analyses or opinions or their use. Opinions expressed are as of the date written and are subject to change without notice. Investment research is produced and issued by subsidiaries of	not warranted to be correct, complete or accurate. Except as otherwise required by law, I	orningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice offered by Morningstar, (5) are provided solely for informational purposes and therefore are not an offer to buy or sell	may include, or be derived from	©2020 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses an
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Objective:

Corporate Bond - High Yield

Minimum Initial Purchase:

\$5 mil

US72369G4055

GHYYX OSD

ISIN:

Base Currency:

Tenure:

18.4 Years Multiple Pioneer Investments

Family:

Manager:

Potential Cap Gains Exp

-47.23%

Greater Europe Greater Asia

92.8 6.5 0.7

Americas

Regional Exposure

Stocks %

Below B

몱

BB BB

San Bernardino Stable Value Option

StabilizerSM 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® family of companies.

Important Information

One Orange Way Windsor, CT 06095-4774 Voya Retirement Insurance and Annuity

What is the stable value option?

www.voyaretirementplans.com

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

What is Stabilizer?

managed by Voya Investment Management Co. 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 the claims-paying ability of VRIAC and are guarantees provided by the contract are based on provided by VRIAC. Subject to certain It is an insurance company participating separate account group annuity contract used only for the benefit of plan participants. companies. the ordinary course of the plan's operation. availability of participant account balances in conditions, the contract generally guarantees the The separate account assets are

What does it invest in?

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

Potential Risks

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

What is the objective?

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

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

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

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

What are the fees?

Total Annual fees are 0.44%.

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

Asset Class: Stability of Principal

Ban 09/30/2019) Top Ten Credit Exposures (as of

Goldman Sachs Group Inc/The	CVS Health Corp	CitiGroup Inc	Marathon Petroleum Corp	AT&T Inc	Comcast Corp	Energy Transfer LP	Wells Fargo & Co	Bank of America Corp	JPMorgan Chase & Co
0.36	0.36	0.39	0.39	0.39	0.43	0.44	0.57	0.60	0.70

Sector Holdings (as of 09/30/2019)

	US Treasury & Cash 14.2	Agency RMBS and SF CRT	G Corporates 24.6	HY Corporates 1.0	Government Related 0.1	Emerging Markets 1.4	Commercial Mortgage Backed Securities 4.0	Asset Backed Securities 5.8	Agency Mortgages 42.9	
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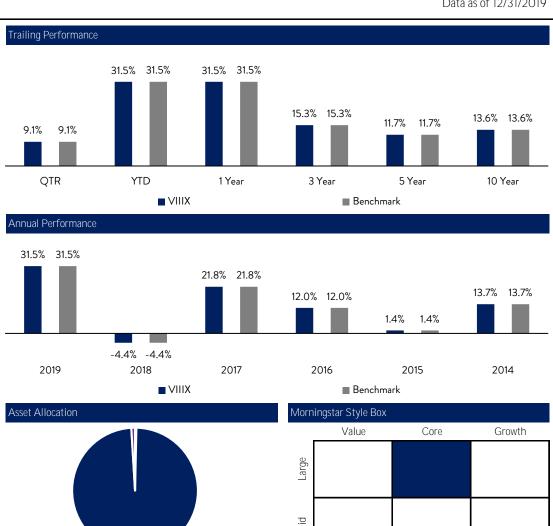
78

Average Life (years)	Yield to Maturity	Portfolio Duration (years)	
4.951	2.50%	3.71	

Product Details	
Name	Vanguard Institutional Index Instl PI
Ticker	VIIIX
Expense Ratio	0.020%
Morningstar Category	US Fund Large Blend
Benchmark	S&P 500 TR USD
Inception Date	7/7/1997
Longest Tenured Manager	Donald M. Butler
Longest Manager Tenure	19.08 Years
Fund Size	\$242,172,895,490

Fund Characteristics	VIIIX	+/- Category
% Assets in Top 10 Holdings	22.63%	-27.47%
Average Market Cap (mil)	\$123,886	-\$69,802
P/E Ratio (TTM)	22.61	0.53
P/B Ratio (TTM)	3.40	-0.51
Est. Dividend Yield	1.86%	-0.08%

Sector Allocations	VIIIX	Category	+/- Category
Materials	2.3%	2.7%	-0.4%
Communication Services	10.4%	5.0%	5.4%
Consumer Discretionary	9.6%	9.8%	-0.2%
Consumer Staples	7.5%	8.0%	-0.5%
Healthcare	14.4%	14.1%	0.3%
Industrials	9.5%	11.7%	-2.2%
Real Estate	2.9%	3.0%	0.0%
Technology	19.8%	22.2%	-2.4%
Energy	4.3%	4.1%	0.2%
Financial Services	15.9%	16.6%	-0.7%
Utilities	3.3%	2.9%	0.5%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VIIIX	9.07%	31.48%	31.48%	15.26%	11.69%	13.55%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	9.07%	31.49%	31.49%	15.27%	11.70%	13.56%	• VIIIX	9.07%	1.70%	4.30%	13.65%
+/- Benchmark	0.00%	0.00%	0.00%	-0.02%	-0.01%	-0.01%	 Benchmark 	9.07%	1.70%	4.30%	13.65%
Peer Group Rank	29	22	22	15	8	6	+/- Benchmark	0.00%	0.00%	0.00%	0.01%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VIIIX	31.48%	-4.41%	21.82%	11.95%	1.39%	13.68%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	31.49%	-4.38%	21.83%	11.96%	1.38%	13.69%	• VIIIX	-13.53%	7.71%	3.43%	-0.77%
+/- Benchmark	0.00%	-0.02%	-0.02%	-0.01%	0.01%	-0.01%	 Benchmark 	-13.52%	7.71%	3.43%	-0.76%
Peer Group Rank	22	23	30	29	24	19	+/- Benchmark	-0.01%	-0.01%	0.00%	-0.01%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VIIIX	11.69%	10.83%	10.70%	10.90%	8.48%	13.94%	• VIIIX	6.64%	4.48%	3.08%	6.06%
• Benchmark	11.70%	10.84%	10.71%	10.91%	8.49%	13.95%	 Benchmark 	6.64%	4.48%	3.09%	6.07%
+/- Benchmark	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	+/- Benchmark	0.00%	0.00%	-0.01%	0.00%
Peer Group Rank	8	11	9	8	8	8					
							5-Year Quarterly				
Risk Statistics	3	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VIIIX	3.82%	3.85%	2.45%	1.34%
Alpha	-0.01	0.00	-0.01	0.00	-0.01	0.00	 Benchmark 	3.82%	3.85%	2.46%	1.35%
Beta	1.00	1.00	1.00	1.00	1.00	1.00	+/- Benchmark	0.00%	0.00%	0.00%	0.00%
Standard Deviation	12.10	12.10	11.98	11.98	12.46	12.46					
Sharpe Ratio	1.10	1.10	0.89	0.90	1.04	1.04	5-Year Quarterly				
Information Ratio	-1.62	-	-0.87	-	-0.44	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	13.54	13.56	10.58	10.59	12.97	12.97	• VIIIX	7.05%	-6.44%	0.28%	0.95%
Upside Capture Ratio	99.96	100.00	99.97	100.00	99.98	100.00	• Benchmark	7.04%	-6.44%	0.28%	0.95%
Downside Capture Ratio	100.04	100.00	100.02	100.00	100.01	100.00	+/- Benchmark	0.01%	0.00%	0.00%	0.00%

Release date 12-31-2019 Page 9 of 35

Insti PI (USD)

S&P 500 TR USD

USD

Russell 1000 TR Category Index

US Fund Large Blend Morningstar Cat

History	12-19	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008		000		1200	1307	NO. III Cat
(within category)														RUR	1058	1202	1387	No in Cat
Performance Quartile														7	10	17	23	% Rank Cat
	4										•		1	0.01	0.21	0.21	0.06	+/- Cat Index
										1				-0.01	-0.01	-0.02	0.00	+/- Std Index
28,417	10k						N		7			}	7.84	13.55	11.69	15.26	31.48	Total Return
23,573 Standard Indox				{									7.84	13.55	11.69	1	31.48	Std 12-31-2019
— Category Average	20k				}								7.84	13.55	11.69	15.26	31.48	Load-adj Mthly
28,474													Incept	10 Yr	5 Yr	3 Yr	1 Yr	Trailing Returns
 Vanguard Institutional Index 	40k												31.48	9.07	1.70	4.30	13.65	2019
Growth of \$10,000													-4.41	-13.53	7.71	3.43	-0.77	2018
	100k												21.82	6.64	4.48	3.08	6.06	2017
Stocks %	100	100	100	100	100	100	100	100	100	100	100	98	Total %	4th Otr	3rd Otr	2nd Otr	1st Otr	Quarterly Returns
Investment Style			H		H		H	H		H	H						2-31-2019	Performance 12-31-2019

principal value of an investment will fluctuate; thus an investor's shares when sold or released may he worth more or less than shares when the sold or released may he worth more or less than shares when the sold or released may he worth more or less than shares when the sold of th	the performance data quoted represents past performance and	The second secon	(if applicable) Morninostar metrics	The Uverall Morningstar Hating is based on risk-adjusted returns,	Performance Disclosure	30-day SEC Yield 01-24-20 1.86 1.86		Subsidized Unsubsidized	
Asset Allocation %	Portfolio Analysis 12-31-2019		2086	36	0.66	0.06	-36.94	82.54	
ocation ^e	o Analy		2027	52	-1.77	0.20	26.66	101.98	
6	'sis 12-3		2010	28	-1.02	0.01	15.07	115.01	
	1-2019		1786	52 28 17 34	0.62	0.01	2.12	115.05	
Net %			1686	34	-0.42	0.00	6.00	130.53	
Net % Long % 0.35 0.35			2086 2027 2010 1786 1686 1559 1568 1606 1409 1396 1402	41 18	-0.75	-0.02 -0.01	32.37 13.68 1.39 11.95 21.82 -4.41 31.48	82.54 101.98 115.01 115.05 130.53 169.28 188.68 186.63 203.84 243.48 227.57 290.25	
Short % 0.00			1568	78	0.44	-0.01	13.68	188.68	
			1606	20	0.47	0.01	1.39	186.63	
Chg			1409	26	-0.10	-0.01	11.95	203.84	
g Share Ho Amount 50			1396	28	0.13	-0.02	21.82	243.48	
Holdings : 506 Total S			1402	25	0.38	-0.02	-4.41	227.57	
Stocks , 1			1387	23	0.06	0.00	31.48	290.25	
Share Holdings: Amount 506 Total Stocks , 1 Total Fixed-Income,			No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	
Net Assets %									

14.4 3.3	icare is		1.00		0.1	Greater Asia	43.75%		ъ	Potential Cap Gains Exp
	Consumer Defensive	Consur	1 1 80		0.66	Americas	1.91%			12-Month Yield
	sive	→ Defensive	Rel Std Index	Rel	Stocks %	Regional Exposure	100.00	100.00		R-Squared
	ology	Technology					1.00	1.00		Beta
	rials	Industrials				NR	-0.02	-0.02		Alpha
		Energy				Below B	S&P 500 TR USD			
	Communication Services	■ Commu	1			₿	Best Fit Index	Standard Index E	Standa	MPT Statistics
	tive	₩ Sensitive				BB	1.04	1.10 0.90	_	Sharpe Katio
	state	Real Estate	1			BBB	_	_	15	Mean
	Financial Services	Financi				D			12	Standard Deviation
9.6	Consumer Cyclical	♪ Consur				AA S				
	Basic Materials	🗻 Basic N	Bond %		down —	Credit Quality Breakdown — AAA			+	Morningstal neturn
ω	ä	∿ Cyclical	- 2			-		Avg High		Morningstar Beturn
Stock	htings	Sector Weightings				мод				Morningstar Rating
o Inc	9 mil UnitedHealth Group Inc	1	I		Avg Wtd Price	beM	808	1058	1203 fu	
orporation	73 mil Bank of America Corporation	①			Avg Wtd Coupon	цві	10 Yr	3 Yr 5 Yr		
		①			Avg Eff Duration	Ed Med			e	Risk and Return Profile
		①			Avg Eff Maturity	id-IIICOIII	0.02		%	Gross Expense Ratio %
0	23 mil Procter & Gamble Co					Einad Inaama Stula	0.02			Net Expense Ratio %
		(\$mil	ller	NA			12b1 Expense %
=			0 0.64	123886 1.00	Geo Avg Mkt Cap 1	ns	0.02			Management Fees %
٠ ,	3 mil Alphabet inc class c	() (I			P/B Ratio TTM	biM				Fund Expenses
0		1	0 1.02	22.b 1.00	P/C Ratio TTM	рбјет	N			Deterred Load %
, CO	28 mil JPMorgan Chase & Co	1			Portiono stansnes	Value Blend Growth	N			Front-End Load %
y Inc B	18 mil Berkshire Hathaway In	1			2	2				Sales Charges
	22 mil Facebook Inc A	1	0.00	100.00	100.00	Total				Fees and Expenses
		①	0.00	0.00	0.00	Other/Not Clsfd	nguard.com.	or visit www.var	8-809-8102 c	month-end, please call 888-809-8102 or visit www.vanguard.com
	69 mil Microsoft Corp	①	0.00	0.00	0.00	Bonds	st recent	urrent to the mo	nance data ci	quoted herein. For performance data current to the most recent
	_	1	0.00	0.95	0.95	Non-US Stocks	rn data	higher than retu	be lower or l	Current performance may be lower or higher than return data
		11-2019	0.00	98.70	98.70	US Stocks	r less man	Je worth more of	emea, may b	shares, when som or redeemed, may be worth more or less than their original cost
al Fixed-Incor	Amount 506 Total Stocks , 1 Total Fixed-Income	since	Short %	Long %	Net %	Asset Allocation %	investor's	uctuate; thus an	tment will fl	principal value of an investment will fluctuate; thus an investor's
		2				Portfolio Analysis 12-31-2019	ım and	investment retu	results. The	does not guarantee future results. The investment return and
							ance and	nts nast nerform	ted represer	The performance data quoted represents past performance and

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Objective:

Tenure:

19.1 Years Growth and Income

Family:

Vanguard

Ticker:

 \leq OSD

Incept:

07-07-1997

\$242,172.89 mil

Purchase Constraints:

Base Currency:

Minimum Initial Purchase:

\$100 mil

Total Assets:

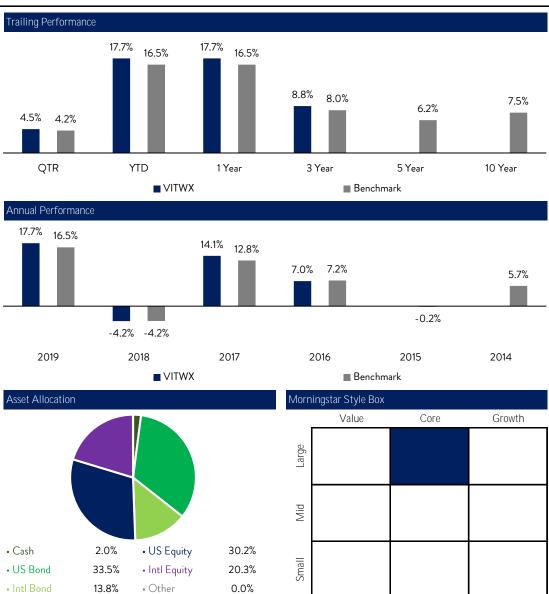
US9220402096

Manager:

Product Details	
Name	Vanguard Instl Trgt Retire 2020 Instl
Ticker	VITWX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2020
Benchmark	S&P Target Date 2020 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$25,009,851,215

Fund Characteristics	VITWX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,071	-\$20,282
P/E Ratio (TTM)	19.24	-1.10
P/B Ratio (TTM)	2.26	-0.36
Est. Dividend Yield	2.40%	0.21%

Sector Allocations	VITWX	Category	+/- Category
Materials	4.5%	3.4%	1.1%
Communication Services	8.6%	8.1%	0.5%
Consumer Discretionary	10.3%	10.3%	-0.1%
Consumer Staples	7.8%	7.4%	0.4%
Healthcare	12.2%	13.3%	-1.1%
Industrials	11.7%	10.8%	0.8%
Real Estate	4.2%	4.4%	-0.2%
Technology	15.2%	17.1%	-1.9%
Energy	4.9%	4.7%	0.2%
Financial Services	17.5%	17.3%	0.2%
Utilities	3.2%	3.2%	0.0%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VITWX	4.47%	17.69%	17.69%	8.76%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	4.19%	16.52%	16.52%	8.00%	6.16%	7.55%	• VITWX	4.47%	1.20%	3.22%	7.85%
+/- Benchmark	0.28%	1.17%	1.17%	0.76%	-	-	Benchmark	4.19%	1.17%	2.88%	7.45%
Peer Group Rank	28	22	22	10	-	-	+/- Benchmark	0.28%	0.03%	0.34%	0.40%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VITWX	17.69%	-4.21%	14.13%	7.04%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	16.52%	-4.16%	12.80%	7.22%	-0.19%	5.67%	• VITWX	-6.49%	2.40%	0.63%	-0.58%
+/- Benchmark	1.17%	-0.05%	1.33%	-0.18%	-	-	• Benchmark	-6.49%	2.33%	1.09%	-0.92%
Peer Group Rank	22	42	14	29	-	-	+/- Benchmark	0.00%	0.06%	-0.47%	0.35%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VITWX	-	-	-	-	-	-	• VITWX	3.40%	3.16%	2.77%	4.12%
• Benchmark	6.16%	5.70%	5.15%	5.27%	4.10%	6.49%	• Benchmark	3.20%	2.81%	2.55%	3.68%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	0.20%	0.35%	0.22%	0.45%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3`	Year	5 \	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VITWX	-0.19%	3.31%	2.00%	1.77%
Alpha	0.54	0.00	-	0.00	-	0.00	 Benchmark 	0.51%	2.79%	1.98%	1.77%
Beta	1.03	1.00	-	1.00	-	1.00	+/- Benchmark	-0.70%	0.53%	0.01%	0.01%
Standard Deviation	6.01	5.82	-	6.20	-	7.79					
Sharpe Ratio	1.14	1.06	-	0.82	-	0.90	5-Year Quarterly				
Information Ratio	1.44	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	6.85	6.29	-	5.05	-	6.96	• VITWX	2.72%	-4.85%	-	-
Upside Capture Ratio	105.54	100.00	-	100.00	-	100.00	Benchmark	2.65%	-4.47%	-0.54%	2.34%
Downside Capture Ratio	99.33	100.00	-	100.00	-	100.00	+/- Benchmark	0.07%	-0.38%	-	-

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index

Category Index

Morningstar Cat

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2020 Instl (USD) Vanguard Instl Trgt Retire

Performance 12-31-2019

	1				
Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2017	4.12	2.77	3.16	3.40	14.13
2018	-0.58	0.63	2.40	-6.49	-4.21
2019	7.85	3.22	1.20	4.47	17.69
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	17.69	8.76		I	6.57
Std 12-31-2019	17.69	1		I	6.57
Total Return	17.69	8.76	ı	1	6.57
+/- Std Index	-1.34	-0.37			
+/- Cat Index	-0.04	0.40			
% Rank Cat	26	15			
No. in Cat	233	198			

-uay i ieiu	ı	
30-day SEC Yield 12-31-19	2.52	2.52
Performance Disclosure		
The Overall Morningstar Rating is based on risk-adjusted returns,	ased on risk-adjuste	ed returns,
derived from a weighted average of the three-, five-, and 10-year	the three-, five-, an	nd 10-year

Subsidized

Unsubsidized

2008

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.

Portfolio Analysis 12-31-2019

(if applicable) Morningstar metrics.

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

Fund Expenses Front-End Load % Sales Charges Deferred Load % Σ Z

	1	1.14	Sharpe Ratio
		8.76	Mean
	1	6.01	Standard Deviation
10 Yr	5 Yr	3 Yr	
		+Avg	Morningstar Return
	1	Avg	Morningstar Risk
1	1	4 ★	Morningstar Rating [™]
10 Yr 93 funds	5 Yr 156 funds	3 Yr 198 funds	!
			Risk and Return Profile
0.09			Gross Expense Ratio %
0.09			Net Expense Ratio %
NA			12b1 Expense %
0.00			Management Fees %
			rullu Expelises

	3 Yr 198 funds <i>15</i>	5 Yr 156 funds	10 Yr 93 funds
Morningstar Rating™		I	
Morningstar Risk	Avg		
Morningstar Return	+Avg		
	3 Yr	5 Yr	10 Yr
Standard Deviation	6.01		
Mean	8.76		
Sharpe Ratio	1.14		
MPT Statistics	Standard Index	Bes M Lifetime	Best Fit Index Morningstar Lifetime Mod 2025
	1		TR USD
Alpha	0.46		0.23
Beta	0.88		0.92
R-Squared	98.68		99.05
12-Month Yield			2.47%
Potential Cap Gains Exp			10.25%
Operations			

Below B

												<u>. </u>								
I	1	ı	I	1	1	2009													04-25-2019	Ca Gold
1	ı	I	ı		1	2010										ı			019	_
1	ı	ı	1		1	2011										I				
1	ı	I	ı		1	2012										ı				ď
1	1	I	1		1	2013												2020	198 US	***
1	ı	I	1			2014										I			198 US Fund Target-Date	Ì
1	ı	I	1		19.19	2015				<u>\$</u>						æ			rget-Dat	
221	25	-0.62	-1.53	7.04	20.14	2016				1						5		-		ď
234	5	1.34	-0.53	14.13	22.53	2017				1						٤		•	Tgt Risk	Morning
250	40	-0.04	0.55	-4.21	21.03	2018										51		-	Tgt Risk TR USD	Morningstar Mod
233	26	-0.04	-1.34	17.69	24.11	12-19		4k		10k		20k	ģ	401/		50 100k	3	TR USD		d Morningstar
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		13,/01	Standard Index	12,832	— Category Average	2020 Insti 13 461	Vanguard Instl Trgt Retire	Growth of \$10,000	Stocks %	Investment Style Equity			tar US Fund Target-Date

Value Blend Growth Illeung pily editer	Total	Other/Not Clsfd	Bonds	Non-US Stocks	US Stocks	Cash	Asset Allocation %
Portfolio Statistics P/E Ratio TTM P/C Ratio TTM P/C Ratio TTM P/B Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil	100.00	0.24	47.28	20.25	30.18	2.05	Net %
Port Avg In 19.2 1 11.8 1 2.3 1 47071 1	100.01	0.24	47.29	20.25	30.18	2.05	Long %
Rel Rel Index Cat 1.05 0.95 1.04 0.92 1.08 0.86 1.26 0.70	0.01	0.00	0.01	0.00	0.00	0.00	Short %
₽₽ ₽₽₽₽₽₽	₽⊕	•	①	1) =	SINCE	. Shar

-Inco	
Mod Ext	Large Mid Small
Avg Eff Maturity Avg Eff Duration	P/C Ratio TTM P/B Ratio TTM Geo Avg Mkt Cap \$mil
	11.8 2.3 47071
	1.04 1.08 1.26
7.83 6.20	0.92 0.86 0.70

Fixed-Income Style	-inco	me St	ě		
Ed	Mod	Ē		Avg Eff Maturity	7.83
			ìН	Avg Eff Duration	6.20
			ų	Avg Wtd Coupon	2.50
			bəM	Avg Wtd Price	107.15
			гом		
Credit	Qual	ity B	eak	Credit Quality Breakdown 11-30-2019	Bond %
AAA					59.57
\mathbb{A}					8.80
⊳					13.23
888					18.39
BB					0.00
)					

Rel Std Index	Stocks %	ightings	Sector Weightings
7.49	76 mil Vanguard Shrt-Term Infl-Prot Sec I	76 mil	①
12.26	136 mil Vanguard Total Intl Bd Idx Admiral™	136 mil	①
20.56	288 mil Vanguard Total Intl Stock Index Inv	288 mil	⊕
29.17	Vanguard Total Bond Market II ldx	663 mil	①
30.50	96 mil Vanguard Total Stock Market Idx I	96 mil	①
%	Amount 9,855 lotal Stocks , 16,3/3 lotal Fixed-income, 13% Turnover Ratio	Amount	since 11-2019
Net Assets	Holdings:	Share	Share Chg

ctor Weightings	Stocks %	Rel Std Index 84
Cyclical	36.5	0.91
Basic Materials	4.5	0.97
Consumer Cyclical	10.3	1.06
Financial Services	17.5	0.99
Real Estate	4.2	0.52
Sensitive	40.3	1.09
Communication Services	8.6	1.23
Energy	4.9	0.93
Industrials	11.7	1.03
Technology	15.2	1.14
Defensive	23.2	1.01
Consumer Defensive	7.8	0.98
Healthcare	12.2	1.09
Utilities	3.2	0.84

Asset Allocation	4.6 Years	Multiple	Vanguard
Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$100 mil	US92202E7976	VITWX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$25,009.85	MF	06-26-2015	l

Greater Europe Greater Asia

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

0.00 0.00

63.8 18.4 17.9

1.00 0.91

Manager: Family:

Tenure: Objective:

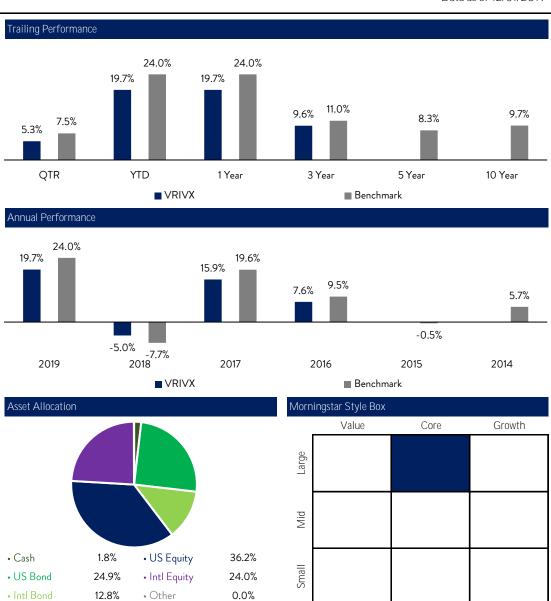
)09.85 mil

Vanguard Instl Trgt Retire 2025 Instl VRIVX

Product Details	
Name	Vanguard Instl Trgt Retire 2025 Instl
Ticker	VRIVX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2025
Benchmark	S&P Target Date 2045 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$35,315,885,842

Fund Characteristics	VRIVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,222	-\$18,044
P/E Ratio (TTM)	19.26	-0.86
P/B Ratio (TTM)	2.26	-0.26
Est. Dividend Yield	2.39%	0.14%

Sector Allocations	VRIVX	Category	+/- Category
Materials	4.5%	3.7%	0.7%
Communication Services	8.6%	8.9%	-0.3%
Consumer Discretionary	10.3%	10.2%	0.1%
Consumer Staples	7.8%	7.8%	0.0%
Healthcare	12.2%	12.8%	-0.6%
Industrials	11.7%	10.8%	0.8%
Real Estate	4.2%	3.8%	0.4%
Technology	15.2%	16.5%	-1.2%
Energy	4.9%	4.8%	0.1%
Financial Services	17.5%	17.5%	0.0%
Utilities	3.2%	3.2%	0.0%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VRIVX	5.25%	19.67%	19.67%	9.63%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	7.48%	24.02%	24.02%	11.01%	8.32%	9.67%	• VRIVX	5.25%	1.09%	3.39%	8.79%
+/- Benchmark	-2.23%	-4.35%	-4.35%	-1.38%	-	-	 Benchmark 	7.48%	0.53%	3.32%	11.10%
Peer Group Rank	30	16	16	9	-	-	+/- Benchmark	-2.23%	0.56%	0.07%	-2.31%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VRIVX	19.67%	-5.02%	15.94%	7.56%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
Benchmark	24.02%	-7.74%	19.56%	9.54%	-0.46%	5.67%	• VRIVX	-7.73%	2.80%	0.70%	-0.57%
+/- Benchmark	-4.35%	2.72%	-3.62%	-1.98%	-	-	• Benchmark	-11.75%	3.81%	1.66%	-0.94%
Peer Group Rank	16	39	21	20	-	-	+/- Benchmark	4.03%	-1.02%	-0.95%	0.37%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VRIVX	-	-	-	-	-	-	• VRIVX	3.81%	3.55%	3.09%	4.62%
• Benchmark	8.32%	7.21%	6.61%	6.81%	4.91%	9.05%	• Benchmark	5.20%	4.35%	3.45%	5.28%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-1.39%	-0.80%	-0.36%	-0.66%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VRIVX	0.15%	3.70%	1.96%	1.57%
Alpha	1.35	0.00	-	0.00	-	0.00	• Benchmark	1.95%	4.04%	2.00%	1.25%
Beta	0.69	1.00	-	1.00	-	1.00	+/- Benchmark	-1.80%	-0.34%	-0.04%	0.32%
Standard Deviation	7.05	10.08	-	10.03	-	11.49					
Sharpe Ratio	1.10	0.92	-	0.74	-	0.81	5-Year Quarterly				
Information Ratio	-0.42	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	11.45	9.30	-	7.22	-	9.08	• VRIVX	3.13%	-5.62%	-	-
Upside Capture Ratio	76.16	100.00	-	100.00	-	100.00	Benchmark	4.10%	-6.93%	-0.12%	2.85%
Downside Capture Ratio	62.98	100.00	-	100.00	-	100.00	+/- Benchmark	-0.97%	1.31%	-	-

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2025 Instl (USD) Vanguard Instl Trgt Retire

Performance 12-31-2019	31-2019				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Otr	Total %
2017	4.62	3.09	3.55	3.81	15.94
2018	-0.57	0.70	2.80	-7.73	-5.02
2019	8.79	3.39	1.09	5.25	19.67
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	19.67	9.63			7.10
Std 12-31-2019	19.67			I	7.10
Total Return	19.67	9.63			7.10
+/- Std Index	0.64	0.50			ı
+/- Cat Index	0.31	0.49			1
% Rank Cat	20	⇉			
No. in Cat	232	196			

		Performance Disclosure
2.52	2.52	30-day SEC Yield 12-31-19
	I	7-day Yield
Unsubsidized	Subsidized	

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The Overall Morningstar Rating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year does not guarantee future results. The investment return and The performance data quoted represents past performance and (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.

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**

Management Fees % Fund Expenses Front-End Load % Sales Charges Deferred Load % 0.00 ĸ ₹

Litetime Mod 2030 TR USD 0.28	0.20	Alpha
Best Fit Index Morningstar	Standard Index	MPT Statistics
	1.10	Sharpe Ratio
1	9.63	Mean
1	7.05	Standard Deviation
5 Yr 10 Yr	3 Yr	
	+Avg	Morningstar Return
	+Avg	Morningstar Risk
1	4 ★	Morningstar Rating [™]
funds 83 funds	196 funds 157 funds	!
	2	Risk and Return Profile
0.09		Gross Expense Ratio %
0.09		Net Expense Ratio %
NA		12b1 Expense %
0.00		Management res /o

- 1		<u>: </u>									_	
Mornir	& Gold 04-25-2019	I I					2009			L		
ıgstar A	.019	I I					2010	1 1		ı		
nalyst F	•						2011	1 1		ı		
ating™	•						2012	1 1		1		
0verall	**** 196 US 2025						2013	1 1		ı		
Morningstar Analyst Rating TM Overall Morningstar Rating TM	★★★★ 196 US Fund Target-Date 2025						2014	1 1		ı		
gstar Ra	rget-Dai	8			4		2015	19.07		ı		
ating™	· 6	64			(2016	20.11 7.56	-1.01	-0.83	20	
Standard Index	Morningstar Mod Tgt Risk TR USD	83		\			2017	22.86 15.94	1.28	1.40	23	
d Index	jstar Mo TR USD	61					2018	21.17 -5.02	-0.27	-0.12	ఱ	0
		66		1			12-19	24.73 19.67	0.64	0.31	20	
Category Index	Morningstar Lifetime Mod 2025 TR USD	1001		. 20k	Ę		_					
dex	r nd 2025	Investment Style Equity Stocks %	Growth o Vani 2029	Categor 13,240	13,701	Performance Qu (within category)	History	NAV/Price Total Return %	+/- Stand	+/- Categ	% Rank Cat	
Morni	US Fur 2025	nt Style	Growth of \$10,000 Vanguard Inst! Trgt Retire 2025 Inst!	Category Average 13,240	01	Performance Quartile (within category)		ırn %	+/- Standard Index	+/- Category Index	at	
Morningstar Cat	US Fund Target-Date 2025		sti Trgt i	erage		Tile e						
Cat	et-Date		Retire									
- 1	1											

0.52	4.2	Real Estate				llemi
0.99	ices 17.5	Financial Services		47222 1.27	Geo Avg Mkt Cap	S
1.06		Consumer Cyclical		2.3 1.08	P/B Ratio TTM	biM
1.97		Basic Materials	0.94	11.8 1.04	P/C Ratio TTM	əbi
0.07		Donio Motorio	0.30	13.0 1.00	r/Enduo i livi	ет
0.91	36.5	∿ Cyclical		AVG INDEX	D/E Datio TTM	Value Blend Growth
Rel Std Index	Stocks %	Sector Weightings	Re l	Port Rel	Portfolio Statistics	Equity Style
11.30	177 mil Vanguard Total Intl Bd Idx Admiral ^{im}	⊕ 177 mil	0.01	100.01	100.00	Total
24.36	Vanguard Total Intl Stock Index Inv	⊕ 482 mil	0.00	0.23	0.23	Other/Not Clsfd
27.70	Vanguard Total Bond Market II Idx		0.01	37.73	37.72	Bonds
30.59	Vanguard Total Stock Market lux I		0.00	24.00	24.00	Non-US Stocks
200	Vancous Tatal Stadio Andret Livi	3	0.00	36.21	36.21	US Stocks
%	10,044 Total Stocks , 16,268 Total Fixed-Income,	since Amount	0.00	1.84	1.84	Cash
Net Assets	Holdings:	Chg Share	Short %	Long %	Net %	Asset Allocation %
					is 12-31-2019	Portfolio Analysis 12-31-2019

S	
Geo Avg Mkt Cap	
4/2/2	1000
1.2/	5
0./2	1
	⊔e0 Avg Mkt Uap 4/ZZZ 1.Z/ U./Z

	≅ Avg Wtd Price	106.62
	мот	
	11 00 0010	
Credit Quality Br	Credit Quality Breakdown 11-30-2019	Bond %
AAA		52.65
AA		10.23
A		15.49
BBB		21.63
BB		0.00

•	889 mil	Vanguard Total Bond Market II Idx	Market II ldx	27.70
⊕	482 mil	Vanguard Total Intl Stock Index Inv	tock Index Inv	24.36
⊕	177 mil	Vanguard Total Intl Bd Idx Admiral TM	d ldx Admiral™	11.30
	Sector Weightings		Stocks %	Rel Std Index
े भ	Cyclical		36.5	0.91
Þ	Basic Materials	ls	4.5	0.97
Þ	Consumer Cyclical	lical	10.3	1.06
4	Financial Services	ices	17.5	0.99
E)	Real Estate		4.2	0.52
{* S	Sensitive		40.3	1.09
#0	Communication Services	n Services	8.6	1.23
.85 Er	Energy		4.9	0.90
٥	Industrials		11.7	1.00
	Technology		15.2	1.15
ţ	Defensive		23.2	1.01
Ī	Consumer Defensive	ensive	7.8	0.98
0	Healthcare		12.2	1.09
23 U	Utilities		3.2	0.84

Potential Cap Gains Exp	Exp	11.40%				
Operations						
Family:	Vanguard	В	Base Currency:	USD	Purchase Constraints:	I
Manager:	Multiple	T	Ticker:	VRIVX	Incept:	06-26-2015
Tenure:	4.6 Years		ISIN:	US92202E7893	Туре:	MF
Objective:	Asset Allocation	7	Minimum Initial Purchase:	\$100 mil	Total Assets:	\$35,315.89 mil

R-Squared Beta

1.04 99.17

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

0.00 0.00 0.00

64.0 18.2 17.7

1.00 0.91

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12-Month Yield

2.42% 0.92 99.29

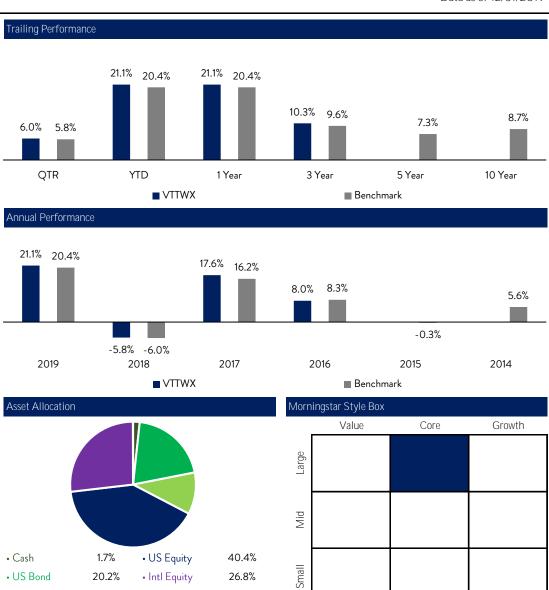
Greater Europe Greater Asia

Vanguard Instl Trgt Retire 2030 Instl VTTWX

Product Details	
Name	Vanguard Instl Trgt Retire 2030 Instl
Ticker	VTTWX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2030
Benchmark	S&P Target Date 2030 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$33,602,007,119

Fund Characteristics	VTTWX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,233	-\$19,291
P/E Ratio (TTM)	19.26	-1.19
P/B Ratio (TTM)	2.26	-0.30
Est. Dividend Yield	2.39%	0.20%

Sector Allocations	VTTWX	Category	+/- Category
Materials	4.5%	3.6%	0.8%
Communication Services	8.6%	8.9%	-0.4%
Consumer Discretionary	10.3%	10.4%	-0.1%
Consumer Staples	7.8%	7.8%	0.0%
Healthcare	12.2%	12.9%	-0.7%
Industrials	11.7%	11.0%	0.7%
Real Estate	4.2%	3.5%	0.7%
Technology	15.2%	16.3%	-1.1%
Energy	4.9%	4.5%	0.4%
Financial Services	17.5%	17.7%	-0.2%
Utilities	3.2%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%



10.7%

 \cdot Other

0.0%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTTWX	6.02%	21.14%	21.14%	10.28%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	5.81%	20.38%	20.38%	9.55%	7.27%	8.66%	• VTTWX	6.02%	0.87%	3.39%	9.56%
+/- Benchmark	0.21%	0.76%	0.76%	0.73%	-	-	• Benchmark	5.81%	0.88%	3.09%	9.39%
Peer Group Rank	28	29	29	19	-	-	+/- Benchmark	0.21%	-0.01%	0.30%	0.17%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VTTWX	21.14%	-5.82%	17.57%	7.97%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	20.38%	-5.99%	16.19%	8.35%	-0.30%	5.64%	• VTTWX	-8.85%	3.11%	0.78%	-0.56%
+/- Benchmark	0.76%	0.18%	1.38%	-0.37%	-	-	Benchmark	-9.26%	3.15%	1.40%	-0.95%
Peer Group Rank	29	35	33	29	-	-	+/- Benchmark	0.41%	-0.04%	-0.62%	0.38%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VTTWX	-	-	-	-	-	-	• VTTWX	4.25%	3.86%	3.32%	5.09%
• Benchmark	7.27%	6.48%	5.89%	6.05%	4.50%	7.78%	• Benchmark	4.24%	3.60%	3.01%	4.45%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	0.02%	0.26%	0.32%	0.64%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3 '	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTTWX	0.44%	4.09%	1.88%	1.37%
Alpha	0.77	0.00	-	0.00	-	0.00	Benchmark	1.19%	3.39%	2.02%	1.52%
Beta	0.99	1.00	-	1.00	-	1.00	+/- Benchmark	-0.75%	0.70%	-0.14%	-0.15%
Standard Deviation	7.93	8.01	-	8.14	-	9.79					
Sharpe Ratio	1.06	0.97	-	0.77	-	0.84	5-Year Quarterly				
Information Ratio	1.10	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	8.69	7.84	-	6.17	-	8.07	• VTTWX	3.53%	-6.44%	-	-
Upside Capture Ratio	101.95	100.00	-	100.00	-	100.00	• Benchmark	3.38%	-5.68%	-0.32%	2.58%
Downside Capture Ratio	94.77	100.00	-	100.00	-	100.00	+/- Benchmark	0.15%	-0.76%	-	-

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2030 Instl (USD) Vanguard Instl Trgt Retire

2017 +/- Cat Index +/- Std Index Total Return Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns No. in Cat % Rank Cat Trailing Returns Performance 12-31-2019 1st Otr 21.14 21.14 21.14 -0.56 9.56 -0.10 2.11 5.09 29 2nd Otr 10.28 10.28 0.28 3.39 3.32 0.78 1.15 3 Υ 206 20 3rd Qtr 3.86 3.11 0.87 5 Yr 4th Otr -8.85 6.02 4.25 10 Yr Total % 21.14 17.57 Incept -5.82 7.45 7.45 7.45

		Podomano Dicalouro
2.48	2.48	30-day SEC Yield 12-31-19
		7-day Yield
Unsubsidized	Subsidized	

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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.

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

)
0.09	Net Expense Ratio %
NA	12b1 Expense %
0.00	Management Fees %
	Fund Expenses
NA	Deferred Load %
NA	Front-End Load %
	Sales Charges

Fund Expenses			
Management Fees %			0.00
12b1 Expense %			NA
Net Expense Ratio %			0.09
Gross Expense Ratio %			0.09
Risk and Return Profile			
	3 Yr	5Yr	10 Yr
	206 funds	164 funds	95 funds
Morningstar Rating™	4*		
Morningstar Risk	Avg		
Morningstar Return	+Avg	1	
	3 Yr	5 Yr	10 Yr
Standard Deviation	7.93	1	
	2000		

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	1	I				2010								1		19star A 10 1019	
	1	ı				2011								1		nalystk	
	I	i I				2012								1 [ating	. TM
	1	I				2013								1		werall worningstar kat **** 206 US Fund Target-Date 2030	
	1	I				2014								1		Fund Ta	
	1	l			18.94	2015			\$					3		gstar Ka rget-Dat	
221	29	-1.29	-0.60	7.97	20.05	2016			\$					71		e ing	· I
234	29	0.97	2.91	17.57	23.12	2017			1					88		Worningstar Analyst Kating " Overall Morningstar Kating " Standard index ★★★★ Morningstar Mo 206 US Fund Target-Date Tgt Risk TR USD 2030	2
239	딿	0.01	-1.06	-5.82	21.24	2018			}					68		Standard Index Morningstar Mod Tgt Risk TR USD	
241	29	-0.10	2.11	21.14	25.12	12-19		4	10k	20k	40	60k	80k	67 100k			
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Q (within category)		— Standa 13,701	— Categor 13,530	2030 In 14,029	Vang	Growth of \$10,000	Stocks %	Investment Style	Morningstar Lifetime Mod 2030 TR USD	
ds in Cat	at	ry Index	ırd Index	rn %	-		Performance Quartile (within category)		Standard Index 13,701	Category Average 13,530	2030 Insti 14,029	Vanguard Instl Trgt Retire	\$10.000		ıt Style	US Fund Target-Date 2030	

0.91	36.5	∿ Cyclical	19.3 1.05 0.94	19.3	P/E Ratio TTM	Value Blend Growth
Rel Std Index	Stocks %	Sector Weightings	Rel Rel	Port	Portfolio Statistics	Equity Style
9.55	142 mil Vanguard Total Intl Bd Idx Admiral TM	⊕ 142 mil	0.00	100.00	100.00	Total
22.38	684 mil Vanguard Total Bond Market II ldx	⊕ 684 mil	0.00	0.19	0.19	Other/Not Clsfd
27.17	512 mil Vanguard Total Intl Stock Index Inv	⊕ 512 mil	0.00	30.90	30.89	Bonds
4U.8b	1/2 mil vanguard lotal Stock Market Idx I	⊕ 1/2 mil	0.00	26.78	26.78	Non-US Stocks
000	Vanantal Tatal Start Madiat Ide		0.00	40.43	40.43	US Stocks
%	Amount 10,121 lotal Stocks , 16,065 lotal Fixed-Income,	since Amount	0.00	1.71	1.71	Cash
Net Assets	Share Holdings:	Chg	Short %	Long %	Net %	Asset Allocation %
					is 12-31-2019	Portfolio Analysis 12-31-2019
	100 0 100 00 100 00 100 100 100 100 100	701 200 21	_	-	-	_

Con	Bond %	B		ty Breakdown 11-30-2019	ty Break
↓ Defe					мод
■ Tech	106.62	_		Avg Wtd Price	pay
indu	2.88			Avg Wtd Coupon	v 4
≥ Ene	6.87			Avg Eff Duration	бiН
■ Com	8.78			Avg Eff Maturity	E.
\ ven					ne Style
- : "					
E Rea				\$mil	llen
⊞ Fina	0.71		47233	Geo Avg Mkt Cap	-
Con	0.88	1.08		P/B Ratio TTM	biM
DdS	0.92	1.04	11.8	P/C Ratio TTM	agn
					eη

Fixed-Income Style	me St	-		
Ltd Mod	Ē		Avg Eff Maturity	8.78
		ЭiН	Avg Eff Duration	6.87
		ų	Avg Wtd Coupon	2.88
		baM	Avg Wtd Price	106.62
		γon		
Credit Qual	ity Br	eakd	Credit Quality Breakdown 11-30-2019	Bond %
AAA				52.22
A				10.45
D				15.63
BBB				21.70
BB				0.00
В				0.00

_	— 221 234	239 241	No. of Funds in Cat	
Short % 0.00	Share Chg Share since Amount 11-2019	Holdings: 10,121 Total Stocks , 16,065 Total Fixed-Income 8% Tumover Ratio	165 Total Fixed-Income,	Net Assets %
0.00	⊕ 172 mil	Vanguard Total Stock Market Idx I	k Market ldx l	40.86
0.00	⊕ 512 mil	Vanguard Total Intl Stock Index Inv	Stock Index Inv	27.17
0.00	⊕ 684 mil	Vanguard Total Bond Market II ldx	Market II Idx	22.38
0.00	⊕ 142 mil	Vanguard Total Intl Bd Idx Admiral TM	3d ldx Admiral™	9.55
Rel	Sector Weightings		Stocks %	Rel Std Index
Cat	∿ Cyclical		36.5	0.91 90
0.97	Basic Materials	ls	4.5	0.97
0.88	Consumer Cyclical	lical	10.3	1.06
0.71	Financial Services	ices	17.5	0.99
	Real Estate		4.2	0.52
	₩ Sensitive		40.3	1.09
8.78	Communication Services	on Services	8.6	1.23
6.87	Energy		4.9	0.93
2.88			11.7	1.03
106.62	Technology		15.2	1.15
	→ Defensive		23.2	1.01
0	Consumer Defensive	fensive	7.8	0.98
22 23 2010 %	Healthcare		12.2	1.09
10 45	Utilities		3.2	0.84
15 63				

Objective: Manager: Family:

Tenure:

4.6 Years Multiple

Vanguard

Ticker:

Base Currency:

ISIN:

Greater Europe Greater Asia

64.1 18.2 17.7

1.00 0.90

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

0.00 0.00

Asset Allocation

Minimum Initial Purchase:

US92202E7711 \$100 mil XWIIV USD

Incept: Type Total Assets:

06-26-2015

\$33,602.01 mil

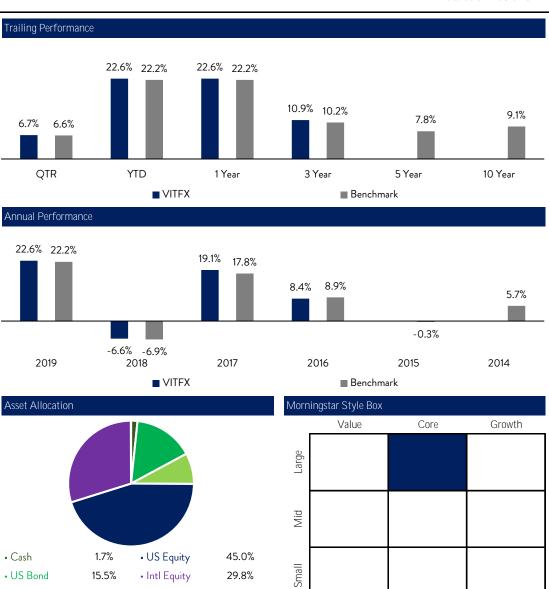
Purchase Constraints:

Vanguard Instl Trgt Retire 2035 Instl VITFX

Product Details	
Name	Vanguard Instl Trgt Retire 2035 Instl
Ticker	VITFX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2035
Benchmark	S&P Target Date 2035 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$30,674,049,738

Fund Characteristics	VITFX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,252	-\$2,952
P/E Ratio (TTM)	19.26	-0.62
P/B Ratio (TTM)	2.26	-0.14
Est. Dividend Yield	2.39%	0.11%

Sector Allocations	VITFX	Category	+/- Category
Materials	4.5%	4.0%	0.5%
Communication Services	8.6%	8.4%	0.2%
Consumer Discretionary	10.3%	10.2%	0.0%
Consumer Staples	7.8%	7.3%	0.4%
Healthcare	12.2%	12.3%	-0.1%
Industrials	11.7%	11.2%	0.5%
Real Estate	4.2%	5.6%	-1.4%
Technology	15.2%	15.7%	-0.5%
Energy	4.9%	4.5%	0.3%
Financial Services	17.5%	17.5%	0.0%
Utilities	3.2%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%



7.9%

• Other

0.0%

• Intl Bond

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VITFX	6.68%	22.56%	22.56%	10.91%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
Benchmark	6.61%	22.18%	22.18%	10.25%	7.77%	9.13%	• VITFX	6.68%	0.70%	3.45%	10.28%
+/- Benchmark	0.08%	0.39%	0.39%	0.66%	-	-	Benchmark	6.61%	0.73%	3.18%	10.27%
Peer Group Rank	39	40	40	27	-	-	+/- Benchmark	0.08%	-0.03%	0.27%	0.01%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VITFX	22.56%	-6.56%	19.14%	8.39%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
Benchmark	22.18%	-6.88%	17.78%	8.85%	-0.35%	5.69%	• VITFX	-9.95%	3.46%	0.86%	-0.56%
+/- Benchmark	0.39%	0.32%	1.36%	-0.46%	-	-	• Benchmark	-10.55%	3.52%	1.52%	-0.94%
Peer Group Rank	40	29	38	26	-	-	+/- Benchmark	0.59%	-0.06%	-0.66%	0.39%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VITFX	-	-	-	-	-	-	• VITFX	4.60%	4.21%	3.55%	5.55%
Benchmark	7.77%	6.82%	6.23%	6.41%	4.69%	8.39%	Benchmark	4.71%	3.97%	3.22%	4.81%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.11%	0.23%	0.33%	0.74%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VITFX	0.83%	4.39%	1.84%	1.12%
Alpha	0.83	0.00	-	0.00	-	0.00	• Benchmark	1.52%	3.66%	2.02%	1.39%
Beta	0.97	1.00	-	1.00	-	1.00	+/- Benchmark	-0.68%	0.72%	-0.18%	-0.28%
Standard Deviation	8.82	9.05	-	9.04	-	10.58					
Sharpe Ratio	1.03	0.93	-	0.75	-	0.82	5-Year Quarterly				
Information Ratio	0.87	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	9.47	8.53	-	6.66	-	8.54	• VITFX	3.90%	-7.16%	-	-
Upside Capture Ratio	100.70	100.00	-	100.00	-	100.00	Benchmark	3.70%	-6.20%	-0.23%	2.69%
Downside Capture Ratio	93.96	100.00	-	100.00	-	100.00	+/- Benchmark	0.20%	-0.96%	-	-

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2035 Instl (USD)

Vanguard Instl Trgt Retire

2017 +/- Cat Index +/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns No. in Cat % Rank Cat Total Return Trailing Returns Performance 12-31-2019 1st Otr 22.56 10.28 22.56 -0.48 22.56 -0.56 3.54 5.55 229 1 2nd Otr 10.91 10.91 1.78 0.15 3.45 3.55 0.86 193 3 Υ 26 3rd Otr 3.46 4.21 0.70 5 Yr 4.60 -9.95 4th Otr 6.68 10 Yr Total % -6.56 22.56 19.14 Incept 7.80 7.80 7.80

		Podomana Disalasura
2.44	2.44	30-day SEC Yield 12-31-19
1		7-day Yield
Unsubsidized	Subsidized	

2008

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.

195

208 | 221 | 229

No. of Funds in Cat

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**

Front-End Load % Sales Charges Deferred Load %

Σ Z

10 Vr	л Уг	3 ٧,	
	1	+Avg	Morningstar Return
		Avg	Morningstar Risk
1	1	4 ★	Morningstar Rating [™]
80 funds	154 funds	193 funds	!
10 Yr	54,	ა Υ	
			Risk and Return Profile
0.09			Gross Expense Ratio %
0.09			Net Expense Ratio %
NA			12b1 Expense %
0.00			Management Fees %
			Fund Expenses

Avg — — — — — — — — — — — — — — — — — — —	Morningstar Risk // Morningstar Return +/ Standard Deviation & Wean 10 Sharpe Ratio 1 Sharpe Ratio Stand MPT Statistics Stand MPT Statistics Stand R-Squared
154 funds 80	193 funds Morningstar Rating™ 4★
3 Yr 5 Yr 10 Yr	

888

Below B NR

Morningstar Analyst Rating Morningstar
Analyst Rating™ Overall Morningstar Rating™ Standard Index ##### 193 US Fund Target-Date Tgt Risk TR USD Lifetime Mod 2035
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 2035 14,26 20k — Vang 2035 14,26 13,86 — Categ 13,86 — Within cate 12-19 History 25.50 NAV/Price 25.50 NAV/Price 12-56 Total Return 3,54 4,-/- Catego 38 9, Bank Ca
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 14,26 20k 20k 14,26 13,86 13,86 14,26 13,86 13,70 10k 13,70 10k Growth of 13,70 10k 13,70 11,26 13,86 13,86 13,70 1
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 14,26 208 208 Category Index 13,86 13,86 13,70 108 Performan (within cate 12,19 13,54 14,-Catego 3,54 14,-Catego 3,84 14,-Catego
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 14,26 2036 11,26 204 Category 13,86 Category 13,86 Category 13,86 Category 13,86 Category 13,70 Category 25,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 38 % Rank Ca
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 14,26 2036 11,26 204 Category 13,86 Category 13,86 Category 13,86 Category 13,86 Category 13,70 Category 25,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 38 % Rank Ca
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 14,26 2036 11,26 204 Category 13,86 Category 13,86 Category 13,86 Category 13,86 Category 13,70 Category 25,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 28,50 NAV/Price 22,56 Total Return 3,54 1,-Category 38 % Rank Ca
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Stocks % Growth of 14,26 2035 11,426 208 — Categ 13,86 — Stanc 108 — Within cate 12-19 Performan (within cate 12-56 NAV/Price 22,56 Total Retur 3,54 +/- Catego 38 % Rank Ca
Category Index d Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Stocks % Growth of 14,26 2035 11,426 208 — Categ 13,86 — Stanc 108 — Within cate 12-19 Performan (within cate 12-56 NAV/Price 22,56 Total Retur 3,54 +/- Catego 38 % Rank Ca
Category Index Morningstar Lifetime Mod 2035 TR USD Investmen Equity 75 Stocks % Growth of 2035 14,26 2036 — Category 13,96 — Category 13,70 Stanc 13,70 Within care 12,19 History 25,50 NAV/Price 22,56 Total Retur 3,54 +/- Category 3,88 % Rank Ca
d 2035 d 2035 d 2035 rowth of rowth of 14,26 2035 14,26 Stanc 13,70 erforman within cate within cate within cate listory IAV/Price oral Return /- Standa /- Catego
7 : 0 = 1 e = 1

0.52	4.2				\$mil	llsm
0.99	ices 17.5	Financial Services	0.94	47252 1.27	Geo Avg Mkt Cap	s
1.06		Consumer Cyclica	0.94	2.3 1.08	P/B Ratio TTM	P!W
4.80	4.0	Basic Materials	0.95	11.8 1.04	P/C Ratio TTM	эбл
0.91		'ly Cyclical	0.97		P/E Ratio TTM	Value Blend Growth
Rel Std Index	Stocks %	Sector Weightings	Rel	Port Rel Avg Index	Portfolio Statistics	Equity Style
7.03	95 mil Vanguard Total Intl Bd Idx Admiral TM	⊕ 95 mil	0.00	100.00	100.00	Total
17.16	Vanguard Total Bond Market II ldx	⊕ 477 mil	0.00	0.16	0.16	Other/Not Clsfd
30.21	Vanguard Total Intl Stock Index Inv	⊕ 518 mil	0.00	23.40	23.40	Bonds
45.49	vanguard Total Stock Market lox I	· · · · · · · · · · · · · · · · · · ·	0.00	29.77	29.77	Non-US Stocks
200	Vancous Tatal Stadt Andret Livi	175	0.00	45.02	45.02	US Stocks
%	10,240 Total Stocks , 15,585 Total Fixed-Income,	since Amount	0.00	1.66	1.66	Cash
Net Assets	Holdings:	Chg Share	Short %	Long %	Net %	Asset Allocation %
					is 12-31-2019	Portfolio Analysis 12-31-2019

Fixed-Income Style	ome St	Ve		
Ltd Mod	Ext		Avg Eff Maturity	8.77
		giH	Avg Eff Duration	6.85
		ų	Avg Wtd Coupon	2.89
		bəM	Avg Wtd Price	106.62
		гом		
		'		
Credit Out	ality B	reak	Credit Quality Breakdown 11-30-2019	Bond %
AAA				52.61
A				10.25
D				15.50
BBB				21.63
88				0.00

36.4	0.91 93
4.5	0.97
10.3	1.06
17.5	0.99
4.2	0.52
40.3	1.09
8.6	1.23
4.9	0.93
11.7	1.03
15.2	1.15
23.2	1.01
7.8	0.98
12.2	1.09
3.2	0.84
	36.4 4.5 10.3 17.5 4.2 40.3 8.6 4.9 11.7 15.2 7.8 7.8 12.2 3.2

Asset Allocation	4.6 Years	Multiple	Vanguard
Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$100 mil	US92202E7638	VITFX	USD
Total Assets:	Туре:	Incept:	Purchase Constraints:
\$30,674.05 r	MF	06-26-2015	I

Family:

Greater Europe Greater Asia

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

0.00

0.00 0.00

64.1 18.2 17.7

0.99

Objective: Manager:

Tenure:

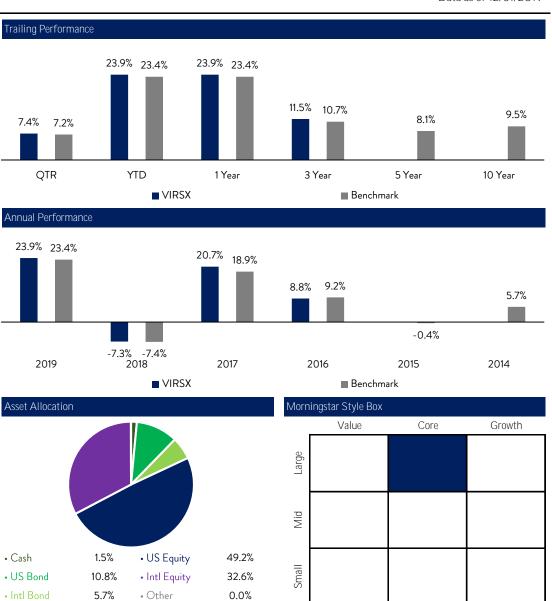
\$100 mil	US92202E7638	VITFX	USD
Total Assets:	Туре:	Incept	Purchase Constraints:
\$30,674.05 mil	MF	06-26-2015	

Vanguard Instl Trgt Retire 2040 Instl VIRSX

Product Details	
Name	Vanguard Instl Trgt Retire 2040 Instl
Ticker	VIRSX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2040
Benchmark	S&P Target Date 2040 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$27,131,276,823

Fund Characteristics	VIRSX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$47,215	-\$11,778
P/E Ratio (TTM)	19.26	-0.71
P/B Ratio (TTM)	2.26	-0.17
Est. Dividend Yield	2.39%	0.12%

Sector Allocations	VIRSX	Category	+/- Category
Materials	4.5%	4.0%	0.5%
Communication Services	8.6%	8.7%	-0.2%
Consumer Discretionary	10.3%	10.3%	0.0%
Consumer Staples	7.8%	7.6%	0.2%
Healthcare	12.2%	12.5%	-0.3%
Industrials	11.7%	11.1%	0.6%
Real Estate	4.2%	4.6%	-0.3%
Technology	15.2%	16.1%	-0.8%
Energy	4.9%	4.6%	0.3%
Financial Services	17.5%	17.5%	0.0%
Utilities	3.2%	3.2%	0.0%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VIRSX	7.40%	23.93%	23.93%	11.52%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	7.15%	23.37%	23.37%	10.73%	8.11%	9.45%	• VIRSX	7.40%	0.49%	3.46%	11.00%
+/- Benchmark	0.24%	0.57%	0.57%	0.78%	-	-	• Benchmark	7.15%	0.60%	3.27%	10.82%
Peer Group Rank	31	41	41	24	-	-	+/- Benchmark	0.24%	-0.11%	0.19%	0.17%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VIRSX	23.93%	-7.31%	20.73%	8.81%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	23.37%	-7.41%	18.87%	9.23%	-0.40%	5.69%	• VIRSX	-11.04%	3.80%	0.94%	-0.55%
+/- Benchmark	0.57%	0.09%	1.87%	-0.42%	-	-	Benchmark	-11.33%	3.72%	1.64%	-0.94%
Peer Group Rank	41	30	29	20	-	-	+/- Benchmark	0.29%	0.08%	-0.70%	0.39%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VIRSX	-	-	-	-	-	-	• VIRSX	4.99%	4.51%	3.78%	6.02%
• Benchmark	8.11%	7.06%	6.47%	6.66%	4.82%	8.79%	• Benchmark	5.03%	4.21%	3.36%	5.07%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.04%	0.30%	0.42%	0.95%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3.	Year	5 `	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VIRSX	1.17%	4.74%	1.80%	0.86%
Alpha	0.74	0.00	-	0.00	-	0.00	• Benchmark	1.75%	3.87%	2.01%	1.32%
Beta	1.00	1.00	-	1.00	-	1.00	+/- Benchmark	-0.57%	0.88%	-0.21%	-0.46%
Standard Deviation	9.72	9.72	-	9.65	-	11.13					
Sharpe Ratio	1.00	0.92	-	0.75	-	0.82	5-Year Quarterly				
Information Ratio	1.01	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	9.83	9.02	-	7.01	-	8.87	• VIRSX	4.25%	-7.94%	-	-
Upside Capture Ratio	102.81	100.00	-	100.00	-	100.00	• Benchmark	3.92%	-6.60%	-0.17%	2.78%
Downside Capture Ratio	97.85	100.00	-	100.00	-	100.00	+/- Benchmark	0.33%	-1.35%	-	-

2040 Instl (USD) Vanguard Instl Trgt Retire

Performance 12-31-2019

2017 Quarterly Returns +/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 No. in Cat % Rank Cat +/- Cat Index Total Return Trailing Returns 11.00 1st Otr 23.93 23.93 23.93 -0.42 -0.554.91 6.02 1 2nd Otr 11.52 11.52 2.38 0.28 3.46 3.78 0.94 206 3 Yr 27 3rd Qtr 4.51 0.49 3.80 5 Yr -11.04 4th Otr 4.99 7.40 10 Yr Total % 23.93 20.73 Incept -7.31 8. 1 8. 1 8.11

		Performance Disclosure
2.40	2.40	30-day SEC Yield 12-31-19
	I	7-day Yield
Unsubsidized	Subsidized	

201

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 800-662-7447 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 %	
Fund Expenses	
Management Fees %	0
12b1 Expense %	
Net Expense Ratio %	0

Deferred Load %		N
Fund Expenses		
Management Fees %		0.00
12b1 Expense %		N
Net Expense Ratio %		0.09
Gross Expense Ratio %		0.09
Risk and Return Profile		
	1	

Kisk and Return Profile			
	3 Yr 206 funds <i>164</i>	5 Yr 164 funds	10 Yr 95 funds
Morningstar Rating™	4★		
Morningstar Risk	Avg		
Morningstar Return	+Avg		
	3 Yr	5Yr	10 Yr
Standard Deviation	9.72		
Mean	11.52		
Sharpe Ratio	1.00	-	
MPT Statistics	Standard Index	Bes Mornin Agg T	Best Fit Index Morningstar Mod Agg Tgt Risk TR
Alpha	-0.69		0.00
Beta	1.43		1.07
R-Squared	98.59		99.48
12-Month Yield			2.33%
Potential Cap Gains Exp			14.70%

88 88

Below B

08	
2009	Morningst
2010	gstar A d
2011	nalyst R
2012	ating TM
2013	Overall **** 206 US 2040
2014	Mornin Fund Ta
2015	Morningstar Analyst Rating™ Overall Morningstar Rating™ **** 04-25-2019
2016 19.94 8.81	and the second s
2017 23.62 20.73	Standard Index Morningstar Mod Tgt Risk TR USD 84 83
2018	d Index star Moo TR USD
12-19 25.88 23.93	1 1 1 1 m
	× Mista
14,482 Category / 14,002 Standard 13,701 Performance 0 (within category) History NAV/Price Total Return %	5 (g %) () %) (g)
14,482 — Category Average 14,002 — Standard Index 13,701 Performance Quartile (within category) History NAV/Price Total Return % 4 Standard Index 4 Standard Index	nr US Fund Targ ad 2040 2040 Investment Style Equity Stocks % Growth of \$10,000 Growth of 10,000
	gt arg

guard Instl Trgt Retire

Morningstar Cat **US Fund Target-Date**

Page 14 of 35

96	0.91 96	36.5	al	∿ Cyclical		19.3 1.05 0.96		P/F Ratio TTM		Value Blend Growth	٦_
)	Rel Std Index	Stocks %	htings	Sector Weightings	Re l	Port Rel	stics	Portfolio Statistics	_	Equity Style	<u></u>
	5.12	61 mil Vanguard Total Intl Bd Idx Admiral TM	61 mil Va	•	0.00	100.00	100.00 1	10		Total	_
	11.96	295 mil Vanguard Total Bond Market II ldx	95 mil Va		0.00	0.12			sfd	Other/Not Clsfo	0
	33.13	504 mil Vanguard Total Intl Stock Index Inv	04 mil Va	①	0.00	16.53		_		Bonds	В
	49.74	170 mil Vanguard Total Stock Market Idx I	70 mil Va	+	0.00	32.64		co. I	Š	Non-US Stocks	2
	ě	5% Turnover Ratio	5%	19	0.00	1.49 49 22	1.49 49 22			Uash US Stocks	= -
	Net Assets %	Holdings: 10 275 Total Stocks	Share Hol	Share Chg	Short %			_	on %	Asset Allocation %	
								2-31-2019	ıalysis 1	Portfolio Analysis 12-31-2011	-
		239 241 No. of Funds in Cat	234	— 221	_	_		<u> </u> 	<u> </u>	<u> </u>	
		34 40 % Rank Cat	23	— 23	1	1	ı	1		1	: :

	llerr	10		·W	эби	07	nd Grawth	yle
	\$mil	beo Avg Mkt Cap		P/B Ratio TTM	P/C Ratio TTM	F/ERATIO I IIVI	D/1 D-1:- 111	Portfolio Statistics
		4/215	1001	2.3	11.8	٤.5	֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Port
		1.2/	0	1.08	1.04	CU.	2 5	hdev He
		US.U		0.93	0.95	0.90	3 5	글
	Đ	Í	ļ	Þ	E		ح	Sect

<u>₹</u>		
	Avg Eff Maturity	8.79
giH	Avg Eff Duration	6.87
ų	Ava Wtd Coupon	2.88
baM	Avg Wtd Price	1
пол		
rea	:down 11-30-2019	Bond %
		52.20
		10.46
		15.64
		21.70
	Fixed-income Style	<u>~</u>

•	295 mil Vanguard Total	Vanguard Total Bond Market II Idx	11.96
•	61 mil Vanguard Total	Vanguard Total Intl Bd ldx Admiral™	5.12
Sector	Sector Weightings	Stocks %	Rel Std Index
ن څ	Cyclical	36.5	0.91
B.	Basic Materials	4.5	0.97
0	Consumer Cyclical	10.3	1.06
1 .	Financial Services	17.5	0.99
E D	Real Estate	4.2	0.52
۶ S	Sensitive	40.3	1.09
#	Communication Services	8.6	1.23
<u>о</u>	Energy	4.9	0.93
© =	Industrials	11.7	1.03
•	Technology	15.2	1.15
1	Defensive	23.2	1.01
	Consumer Defensive	7.8	0.98
□	Healthcare	12.2	1.09
	Utilities	3 2	000

Callio Exp	1117070			
Vanguard	Base Currency:	USD	Purchase Constraints:	
Multiple	Ticker:	VIRSX	Incept:	06-26-2015
4.6 Years	ISIN:	US92202E7554	Туре:	MF
Asset Allocation	Minimum Initial Purchase:	\$100 mil	Total Assets:	\$27,131.28 mil

Greater Europe Greater Asia

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

0.00 0.00 0.00 0.00

64.0 18.2 17.7

1.00 0.91

Objective: Manager: Family:

Tenure:

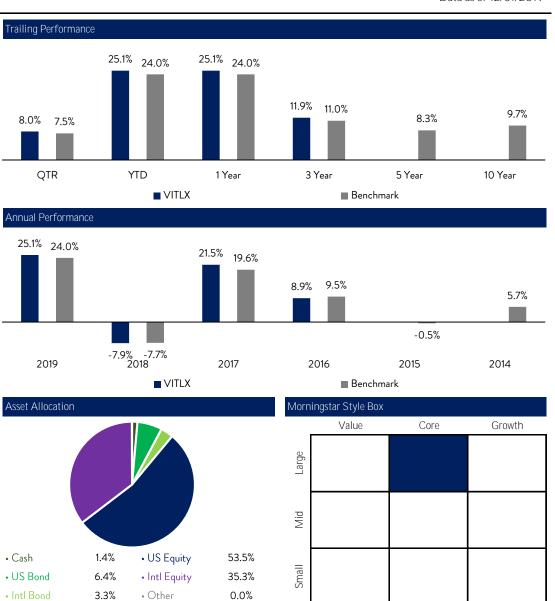
Operations

Vanguard Instl Trgt Retire 2045 Instl VITLX

Product Details	
Name	Vanguard Instl Trgt Retire 2045 Instl
Ticker	VITLX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2045
Benchmark	S&P Target Date 2045 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$23,161,093,021

Fund Characteristics	VITLX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$47,278	-\$13,590
P/E Ratio (TTM)	19.26	-0.84
P/B Ratio (TTM)	2.26	-0.15
Est. Dividend Yield	2.39%	0.10%

Sector Allocations	VITLX	Category	+/- Category
Materials	4.5%	3.9%	0.6%
Communication Services	8.6%	8.7%	-0.1%
Consumer Discretionary	10.3%	10.1%	0.1%
Consumer Staples	7.8%	7.3%	0.4%
Healthcare	12.2%	12.5%	-0.3%
Industrials	11.6%	10.8%	0.8%
Real Estate	4.2%	5.4%	-1.1%
Technology	15.2%	16.0%	-0.7%
Energy	4.9%	4.5%	0.4%
Financial Services	17.5%	17.5%	0.0%
Utilities	3.2%	3.4%	-0.2%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VITLX	8.02%	25.07%	25.07%	11.86%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
Benchmark	7.48%	24.02%	24.02%	11.01%	8.32%	9.67%	• VITLX	8.02%	0.32%	3.48%	11.54%
+/- Benchmark	0.54%	1.05%	1.05%	0.85%	-	-	• Benchmark	7.48%	0.53%	3.32%	11.10%
Peer Group Rank	28	32	32	23	-	-	+/- Benchmark	0.54%	-0.21%	0.16%	0.44%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
·VITLX	25.07%	-7.87%	21.47%	8.94%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
Benchmark	24.02%	-7.74%	19.56%	9.54%	-0.46%	5.67%	• VITLX	-11.80%	4.02%	0.97%	-0.55%
+/- Benchmark	1.05%	-0.12%	1.90%	-0.59%	-	-	• Benchmark	-11.75%	3.81%	1.66%	-0.94%
Peer Group Rank	32	37	24	24	-	-	+/- Benchmark	-0.04%	0.21%	-0.69%	0.39%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VITLX	-	-	-	-	-	-	• VITLX	5.24%	4.68%	3.82%	6.21%
Benchmark	8.32%	7.21%	6.61%	6.81%	4.91%	9.05%	• Benchmark	5.20%	4.35%	3.45%	5.28%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	0.03%	0.33%	0.37%	0.92%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3,	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VITLX	1.25%	4.85%	1.80%	0.80%
Alpha	0.59	0.00	-	0.00	-	0.00	 Benchmark 	1.95%	4.04%	2.00%	1.25%
Beta	1.02	1.00	-	1.00	-	1.00	+/- Benchmark	-0.70%	0.81%	-0.19%	-0.45%
Standard Deviation	10.33	10.08	-	10.03	-	11.49					
Sharpe Ratio	0.97	0.92	-	0.74	-	0.81	5-Year Quarterly				
Information Ratio	1.11	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	9.93	9.30	-	7.22	-	9.08	• VITLX	4.31%	-7.99%	-	-
Upside Capture Ratio	104.36	100.00	-	100.00	-	100.00	Benchmark	4.10%	-6.93%	-0.12%	2.85%
Downside Capture Ratio	100.77	100.00	-	100.00	-	100.00	+/- Benchmark	0.21%	-1.07%	-	-

2045 Instl (USD) Vanguard Instl Trgt Retire

+/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 2017 Quarterly Returns No. in Cat % Rank Cat +/- Cat Index Total Return Trailing Returns Performance 12-31-2019 11.54 1st Otr 25.07 25.07 25.07 -0.550.10 6.05 6.21 229 2nd Otr 11.86 11.86 2.73 0.44 3.48 3.82 0.97 3 Υ 193 24 3rd Qtr 4.68 0.32 4.02 5 Yr -11.80 4th Otr 8.02 5.24 10 Yr Total % 25.07 21.47 Incept 8.37 -7.87 8.37 8.37

		Performance Disclosure
2.36	2.36	30-day SEC Yield 12-31-19
	I	7-day Yield
Unsubsidized	Subsidized	

2008

2009

does not guarantee future results. The investment return and The performance data quoted represents past performance and (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

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.

Asse Cas US

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

Oth Oth

Tota

Front-End Load % Deferred Load %	N N
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.09
Gross Expense Ratio %	0.09
Dick and Datum Drafile	

7			
1	1	0.97	Sharpe Ratio
1		11.86	Mean
	1	10.33	Standard Deviation
10 Yr	5Yr	3 Yr	
1		+Avg	Morningstar Return
		Avg	Morningstar Risk
		4⊁	Morningstar Rating™
79 funds	154 funds	193 funds	
10 Yr	5Yr	3 Yr	
			Risk and Return Profile
0.09			Gross Expense Ratio %
0.09			Net Expense Ratio %
NA			12b1 Expense %
0.00			Management Fees %

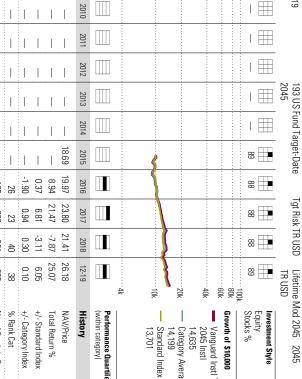
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Family: Var	Operations	Potential Cap Gains Exp	12-Month Yield	R-Squared	Beta	Alpha		MPT Statistics	Sharpe Ratio	Mean	Standard Deviation
Vanguard				98.44	1.52	-0.97	M	Standard Index	0.97	11.86	10.33
		_					Risk TR USD	Best F			
		14.91%	2.29%	99.57	0.95	0.22	Risk TR USD	Best Fit Index			

Morningstar Analyst Rating™ Overall Morningstar Rating™ ★★★ 04-25-2019 193 US Fund Target-Date 2045 Standard Index Tgt Risk TR USD Morningstar Mod Morningstar Category Index

US Fund Target-Date Morningstar Cat

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orttolio Analysis 12-31-2019	12-31-2019					
set Allocation %	Net %	Long %	Short %	Chg		Net Assets
sh	1.39	1.39	0.00	since Amount		%
Stocks	53.55	53.55	0.00	11-2013	4% Tullover nauto	1
n-US Stocks	35.33	35.33	0.00	⊕ 15/ ml	15/ mil Vanguard Iotal Stock Market Idx I	54.11
nds	9.64	9.64	0.00	⊕ 465 mi	465 mil Vanguard Total Intl Stock Index Inv	35.86
her/Not Clsfd	0.09	0.09	0.00	⊕ 149 mi	149 mil Vanguard Total Bond Market II ldx	7.09
tal	100.00	100.00	0.00	⊕ 29 mi	29 mil Vanguard Total Intl Bd Idx Admiral TM	2.87
uity Style	Portfolio Statistics	Port Rel	Rel	Sector Weightings	Stocks %	Rel Std Index
ue Blend Growth	P/F Ratio TTM		J S	∿ Cyclical	36.4	0.91
греде	P/C Ratio TTM	11.8 1.04		Basic Materials	ials 4.5	0.97
9W	P/B Ratio TTM		8 0.94	Consumer Cyclical	yclical 10.3	1.06
			1		17 6	000

Bond %	В		down 11-30-2019	Credit Quality Breakdown 11-30-2019
				мод
			Avg Wtd Price	pay
2.90			Avg Wtd Coupon	N 4
6.84			Avg Eff Duration	біН
8.77			Avg Eff Maturity	Ltd Mod Ext
				Fixed-Income Style
0.70	1.2.1	0/7/4	\$mil	llsm2
0.70	1 27	7770	Goo Ava Mbt Can	

0.90	17.7	Greater Asia
0.99	18.2	Greater Europe
1.03	64.1	Americas
Rel Std Index	Stocks %	Regional Exposure
0.00		NR
0.00		Below B
0.00		В
0.00		BB
21.61		BBB
15.47		Þ
10.20		AA
52.72		AAA
Bond %	lown 11-30-2019	Credit Quality Breakdown 11-30-2019
		мод
	Avg Wtd Price	рәуу
2.90	Avg Wtd Coupon	

	1	1				2012										
	1	I	1			2013										
	ı	ı	1			2014										
	ı	ı	1		18.69	2015			(
195	26	-1.90	0.37	8.94	19.97	2016			(
208	23	0.94	6.81	21.47	23.80	2017				\						
221	40	0.30	-3.11	-7.87	21.41	2018										
229	88	0.10	6.05	25.07	26.18	12-19		4 _k	Ş	10k) YUK	301	4ÚK	9	000	100
No. of Funds in Cat	% Rank Cat	+/- Category Index	+/- Standard Index	Total Return %	NAV/Price	History	Performance Quartile (within category)		13,701	Standard Index	14,199	— Category Average	2045 Instl	Vanguard Instl Trgt Retire	Growth of \$10,000	

2.90 ☑ Industrials — ☐ Technology → Defensive		į		₹ € 3	0.78	∌ ∌	0.96 •	el Rel Sector Weightings	0.00 ⊕	0.00 ⊕	0.00 ⊕	0.00 ⊕	0.00 11-2019
Consumer Defensive	nsive	Industrials Tachnology	Communication Services Energy	Real Estate Sensitive	Financial Services	Basic Materials Consumer Cyclical	cal	ghtings	29 mil Va	149 mil Va	465 mil Va	157 mil Va	4%
	23.2	11.6		4	17.5		36.4	Stocks %	Vanguard Total Intl Bd Idx Admiral [™]	Vanguard Total Bond Market II Idx	Vanguard Total Intl Stock Index Inv	Vanguard Total Stock Market Idx I	4% Turnover Ratio
7.8 12.2	12	11.6 15.2	8.6 4.9	4.2 40.3	.51	4.5 10.3	14	%	iral™	ldx	(Inv	×Ι	
0.98 1.09	1.01	1.03	1.23 0.93	0.52	0.99	0.97 1.06	0.91 99	Rel Std Index	2.87	7.09	35.86	54.11	

ırrency:	USD	Purchase Constraints:	
	VITLX	Incept:	06-26-2015
	US92202E7489	Type:	MF
m Initial Purchase:	\$100 mil	Total Assets:	\$23,161.09 mil

Manager:

Multiple

Base Cu

Ticker:

SIN:

Tenure:

Objective:

Asset Allocation 4.6 Years

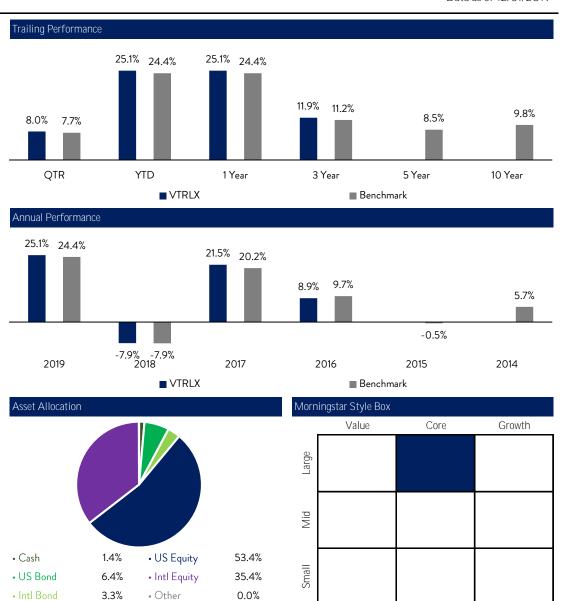
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Vanguard Instl Trgt Retire 2050 Instl VTRLX

Product Details	
Name	Vanguard Instl Trgt Retire 2050 Instl
Ticker	VTRLX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2050
Benchmark	S&P Target Date 2050 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$17,484,821,972

Fund Characteristics	VTRLX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,217	-\$5,500
P/E Ratio (TTM)	19.26	-0.72
P/B Ratio (TTM)	2.26	-0.10
Est. Dividend Yield	2.39%	0.10%

Sector Allocations	VTRLX	Category	+/- Category
Materials	4.5%	4.0%	0.5%
Communication Services	8.6%	8.6%	0.0%
Consumer Discretionary	10.3%	10.2%	0.1%
Consumer Staples	7.8%	7.3%	0.5%
Healthcare	12.2%	12.3%	-0.1%
Industrials	11.7%	11.1%	0.6%
Real Estate	4.2%	5.5%	-1.2%
Technology	15.2%	15.7%	-0.5%
Energy	4.9%	4.6%	0.3%
Financial Services	17.5%	17.4%	0.1%
Utilities	3.2%	3.4%	-0.2%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTRLX	8.02%	25.05%	25.05%	11.85%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
Benchmark	7.65%	24.35%	24.35%	11.22%	8.49%	9.84%	• VTRLX	8.02%	0.32%	3.47%	11.52%
+/- Benchmark	0.37%	0.70%	0.70%	0.64%	-	-	• Benchmark	7.65%	0.47%	3.32%	11.28%
Peer Group Rank	31	37	37	27	-	-	+/- Benchmark	0.37%	-0.15%	0.16%	0.24%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VTRLX	25.05%	-7.87%	21.47%	8.95%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
Benchmark	24.35%	-7.94%	20.18%	9.74%	-0.47%	5.69%	• VTRLX	-11.79%	4.01%	0.97%	-0.55%
+/- Benchmark	0.70%	0.07%	1.29%	-0.79%	-	-	 Benchmark 	-12.05%	3.87%	1.72%	-0.94%
Peer Group Rank	37	31	29	29	-	-	+/- Benchmark	0.26%	0.14%	-0.75%	0.39%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VTRLX	-	-	-	-	-	-	• VTRLX	5.20%	4.67%	3.86%	6.21%
Benchmark	8.49%	7.34%	6.73%	6.96%	5.01%	9.29%	• Benchmark	5.34%	4.43%	3.54%	5.51%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.14%	0.24%	0.33%	0.69%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3 `	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTRLX	1.26%	4.79%	1.80%	0.86%
Alpha	0.60	0.00	-	0.00	-	0.00	 Benchmark 	2.14%	4.17%	1.94%	1.18%
Beta	1.00	1.00	-	1.00	-	1.00	+/- Benchmark	-0.88%	0.62%	-0.13%	-0.32%
Standard Deviation	10.34	10.34	-	10.35	-	11.73					
Sharpe Ratio	0.97	0.92	-	0.73	-	0.81	5-Year Quarterly				
Information Ratio	0.86	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	10.16	9.50	-	7.38	-	9.25	• VTRLX	4.30%	-7.99%	-	-
Upside Capture Ratio	101.98	100.00	-	100.00	-	100.00	• Benchmark	4.32%	-7.22%	-0.07%	2.91%
Downside Capture Ratio	98.04	100.00	-	100.00	-	100.00	+/- Benchmark	-0.01%	-0.77%	-	-

2050 Instl (USD) Vanguard Instl Trgt Retire

Performance 12-31-2019

2017 +/- Cat Index +/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 Quarterly Returns No. in Cat % Rank Cat Total Return Trailing Returns 11.52 1st Otr 25.05 25.05 25.05 -0.55 -0.03 6.03 6.21 1 2nd Otr 11.85 11.85 2.72 0.42 3.47 3.86 0.97 206 3 Υ 29 3rd Qtr 4.67 0.32 4.01 5 Yr -11.79 4th Otr 8.02 5.20 10 Yr Total % 25.05 21.47 Incept -7.87 8.36 8.36 8.36

Performance Disclosure	11-19 2.36	7-day Yield —
ad raturne	2.36	I

Subsidized

Unsubsidized

2008

2009

2010

2011

2012

2013

2014

2016

18.69 2015

19.98

8.95

(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 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 %	NA NA
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.09
Gross Expense Ratio %	0.09

Standard Deviation	10.34		
Mean	11.85		
Sharpe Ratio	0.97		1
MPT Statistics	Standard Index Mi	Best Fit Index Morningstar Agg Tgt	Best Fit Index Igstar Agg Tgt
		Risk.	Risk TR USD
Alpha	-0.98		0.21
Beta	1.52		0.95
R-Squared	98.38		99.59
12-Month Yield			2.26%
Potential Cap Gains Exp		1:	13.75%
Operations			
Family: Var	Vanguard		

Below B

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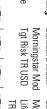
	04-25-2019	X Gold	Morningstar Analyst Rating
2050	206 US Fund Target-Date	***	Morningstar Analyst Rating™ Overall Morningstar Rating™



89

















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Growth of \$10,000 14,632 Vanguard Instl Trgt Retire 2050 Instl

6 8 8 10 10 10 4

Equity Stocks %

Investment Style

	Ī		Ī
13,701	Standard Index	14,196	Category Average

<u>,</u> 20

		4	
			Performance Quartile (within category)
2017	2018	12-19	History
23.82	21.44	26.22	NAV/Price
21.47	-7.87	25.05	Total Return %
6.81	3.1	6.03	+/- Standard Index
0.69	0.54	-0.03	+/- Category Index
జ	<u>3</u> 2	చ	% Rank Cat
9)		

Rel Std Index	Stocks %		ghtings	Sector Weightings	Rel Rel	Port F	Portfolio Statistics	Portfolio	ityle	Equity Style
2.88	22 mil Vanguard Total Intl Bd Idx Admiral ^{im}	Vanguard To	22 mil	•	0.00	100.00	100.00			Total
7.08	13 mil Vanguard Total Bond Market II ldx	Vanguard To:	113 mil	•	0.00	0.09	0.09		Other/Not Clsfd	Other/
35.97	353 mil Vanguard Total Intl Stock Index Inv	Vanguard To:	353 mil	(0.00	9.64	9.64			Bonds
34.00	1 9 mil vanguard lotal stock Market lox i	vanguard to		•	0.00	35.44	35.44		Non-US Stocks	Non-U
7	to Ottobal Madist Idea	Vanantari Ta	10) [0.00	53.44	53.44		cks	US Stocks
%	10,359 Turnover Batio	3% Turnover Batio	Amount	since 11-2019	0.00	1.39	1.39			Cash
Net Assets	100000 H	Holdings :		Share Chg	Short %	Long %	Net %	•	Asset Allocation %	Asset A
							019	Portfolio Analysis 12-31-2019	lio Analy	Portfo
	241 No. of Funds in Cat	239 241	3 230	— 213			 - 			
	43 % Rank Cat	34	8	<u> </u>	1	1	 	1	1	
	.03 +/- Category Index	0.54 -0.03	0.69	-1.94	1	1	1	ı	1	
	.03 +/- Standard Index	-3.11 6.03	6.81	- 0.38			<u> </u> 			ı

Famity Style	Portfolio Statistics	Port	R P	B	Sector Weightin
-quary copies		Avg	Index	Cat	2012
Agine pigid diown	P/E Ratio TTM	19.3	1.05	0.96	•
agie	P/C Ratio TTM	11.8	1.04	0.95	Basic Ma
ρίΜ	P/B Ratio TTM	2.3	1.08	0.96	♣ Consume
S	Geo Avg Mkt Cap	47217	1.27	0.90	Financial
llem	\$mil				Real Estar
Fixed-Income Style					₩ Sensitive
Ltd Mod Ext	Avg Eff Maturity			8.77	Communi
біН	Avg Eff Duration			6.85	Energy
1 4	Avg Wtd Coupon			2.89	Industrial:
рәу	Avg Wtd Price				Technolog
мод					→ Defensive
Condition Brook	11 20 2010			0	☐ Consumer
	6107-00-11 IIMOD		_ 0	22 68 2010 %	Healthcar
> 5				5 6	Utilities
AA				10.22	

Fixed-Income Style	ome St	/le	
Ltd Mod	Ext	Avg Eff Maturity	8.77
		Avg Eff Duration	6.85
		Ava Wtd Coupon	2.89
		Avg Wtd Price	I
		мот	
Codit O		Crodit Ouglitu Propheloum 11 20 2010	Dond 0/

			t Quality				
			t Quality Breakdown 11-30-2019	мот	Avg Wtd Price	Avg Wtd Coupon	■ Avg Eff Duration
21.62 0.00	10.22 15.48	52.68	Bond %			2.89	6.85

₽

Rel Std Ind	Stocks %	eightings	Sector Weightings	Re	Rel Rel
2.8	22 mil Vanguard Total Intl Bd Idx Admiral TM	22 mil	•	0.00	.00
7.0	113 mil Vanguard Total Bond Market II ldx	113 mil	•	0.00	99
35.9	353 mil Vanguard Total Intl Stock Index Inv	353 mil	•	0.00	64
54.0	119 mil Vanguard Total Stock Market ldx I	119 mil	•	0.00	1
	10,359 Total Stocks , 13,956 Total Fixed-Income, 3% Turnover Ratio	Amount	since 11-2019	0.00	
Net Asse	Holdings:	Share	Share Chg	Short %	

36.5	0.91 102
4.5	
10.3	1.06
17.5	0.99
4.2	0.52
40.3	1.09
8.6	1.23
4.9	0.93
11.7	1.03
15.2	1.15
23.2	1.01
7.8	0.98
12.2	1.09
3.2	0.84
	36.5 4.5 10.3 17.5 4.2 40.3 8.6 4.9 11.7 115.2 23.2 7.8 12.2 3.2

ncy:	USD	Purchase Constraints:	
	VTRLX	Incept:	06-26-2015
	US92202E7307	Туре:	MF
nitial Purchase: \$100 mil	\$100 mil	Total Assets:	\$17,484.82 mil

Manager:

Multiple

Ticker:

Base Curren

Greater Europe Greater Asia

64.0 18.2 17.7

1.03 1.00 0.91

Americas Regional Exposure

Stocks %

Rel Std Index

0.00

0.00 0.00

Tenure:

Objective:

Asset Allocation 4.6 Years

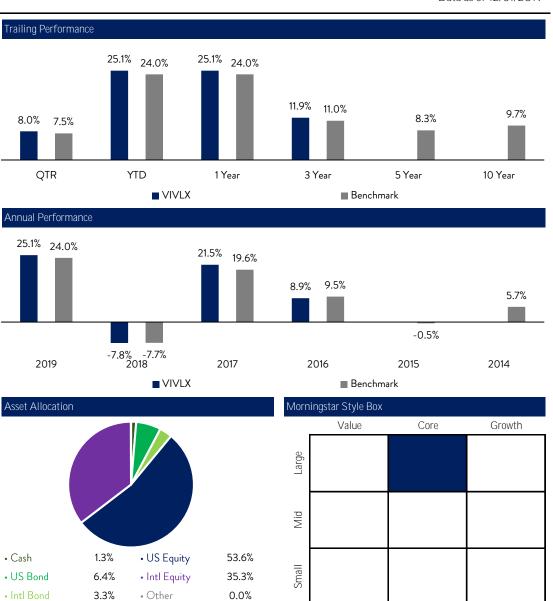
Minimum In ISIN:

Vanguard Instl Trgt Retire 2055 Instl VIVLX

Product Details	
Name	Vanguard Instl Trgt Retire 2055 Instl
Ticker	VIVLX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2055
Benchmark	S&P Target Date 2045 TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$9,036,316,426

Fund Characteristics	VIVLX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	-
Average Market Cap (mil)	\$47,280	-\$8,851
P/E Ratio (TTM)	19.26	-0.85
P/B Ratio (TTM)	2.26	-0.16
Est. Dividend Yield	2.39%	0.12%

Sector Allocations	VIVLX	Category	+/- Category
Materials	4.5%	4.0%	0.4%
Communication Services	8.6%	8.6%	0.0%
Consumer Discretionary	10.3%	10.0%	0.2%
Consumer Staples	7.8%	7.1%	0.6%
Healthcare	12.2%	12.8%	-0.6%
Industrials	11.6%	10.8%	0.8%
Real Estate	4.2%	5.3%	-1.0%
Technology	15.2%	15.9%	-0.7%
Energy	4.9%	4.9%	0.0%
Financial Services	17.5%	17.2%	0.3%
Utilities	3.2%	3.2%	0.0%
Other	0.0%	0.0%	0.0%



Vanguard Instl Trgt Retire 2055 Instl VIVLX

Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VIVLX	8.03%	25.06%	25.06%	11.87%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	7.48%	24.02%	24.02%	11.01%	8.32%	9.67%	• VIVLX	8.03%	0.28%	3.50%	11.53%
+/- Benchmark	0.55%	1.04%	1.04%	0.86%	-	-	 Benchmark 	7.48%	0.53%	3.32%	11.10%
Peer Group Rank	35	41	41	30	-	-	+/- Benchmark	0.55%	-0.25%	0.19%	0.44%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VIVLX	25.06%	-7.84%	21.47%	8.94%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	24.02%	-7.74%	19.56%	9.54%	-0.46%	5.67%	• VIVLX	-11.76%	4.01%	0.97%	-0.54%
+/- Benchmark	1.04%	-0.09%	1.91%	-0.59%	-	-	• Benchmark	-11.75%	3.81%	1.66%	-0.94%
Peer Group Rank	41	30	39	26	-	-	+/- Benchmark	0.00%	0.20%	-0.69%	0.39%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VIVLX	-	-	-	-	-	-	• VIVLX	5.17%	4.71%	3.81%	6.25%
Benchmark	8.32%	7.21%	6.61%	6.81%	4.91%	9.05%	Benchmark	5.20%	4.35%	3.45%	5.28%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.03%	0.36%	0.36%	0.97%
Peer Group Rank	-	-	-	-	-	-					
•							5-Year Quarterly				
Risk Statistics	3 '	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VIVLX	1.25%	4.79%	1.80%	0.86%
Alpha	0.61	0.00	-	0.00	-	0.00	• Benchmark	1.95%	4.04%	2.00%	1.25%
Beta	1.02	1.00	-	1.00	-	1.00	+/- Benchmark	-0.70%	0.76%	-0.19%	-0.40%
Standard Deviation	10.32	10.08	-	10.03	-	11.49					
Sharpe Ratio	0.97	0.92	-	0.74	-	0.81	5-Year Quarterly				
Information Ratio	1.11	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	9.95	9.30	-	7.22	-	9.08	• VIVLX	4.24%	-7.94%	-	-
Upside Capture Ratio	104.39	100.00	-	100.00	-	100.00	• Benchmark	4.10%	-6.93%	-0.12%	2.85%
Downside Capture Ratio	100.74	100.00	-	100.00	-	100.00	+/- Benchmark	0.14%	-1.02%	-	-

Release date 12-31-2019

2055 Instl (USD) Vanguard Instl Trgt Retire

Performance 12-31-2019

Quarterly Returns	1st Otr	2nd Otr	3rd Otr	4th Otr	Total %
2017	6.25	3.81	4.71	5.17	21.47
2018	-0.54	0.97	4.01	-11.76	-7.84
2019	11.53	3.50	0.28	8.03	25.06
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	25.06	11.87	I	I	8.37
Std 12-31-2019	25.06	I	I	I	8.37
Total Return	25.06	11.87	1	l	8.37
+/- Std Index	6.03	2.74			
+/- Cat Index	0.01	0.46		1	1
% Rank Cat	47	ω			
No. in Cat	229	191			

		Performance Disclosure
2.36	2.36	30-day SEC Yield 12-31-19
	1	7-day Yield
Unsubsidized	Subsidized	

-1.96

0.52

0.01 6.03

% Rank Cat +/- Category Index +/- Standard Index Total Return %

0.37 8.94

6.82

2008

2009

2010

2011

2012

2013

2014

2016

2017

2018

4

Performance Quartile (within category)

18.69 2015

20.00

23.86 21.47

21.50 -7.84 -3.08 0.73

> NAV/Price History

25.06 26.32 12-19

The Overall Morningstar flating 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 The performance data quoted represents past performance and does not guarantee future results. The investment return and 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 Current performance may be lower or higher than return data Fees and Expenses

Deferred Load % Front-End Load % Sales Charges ž Z

Small

Geo Avg Mkt Cap \$mil

Fixed-Incor

Fund Expenses			
Management Fees %			0.00
12b1 Expense %			N.
Net Expense Ratio %			0.09
Gross Expense Ratio %			0.09
Risk and Return Profile			
	3 Yr	5Yr	10 Yı
	191 funds	149 funds	15 funds
Morningstar Rating™	4★		ı
Morningstar Risk	Avg		1
Morningstar Return	+Avg		
	3 Yr	5 Yr	10 Yı
Standard Deviation	10.32	1	ı
Mean	11.87		1
Sharpe Ratio	0.98	1	1

			Operations
12.35%			Potential Cap Gains Exp
2.16%			12-Month Yield
99.56		98.40	R-Squared
0.95		1.51	Beta
0.24		-0.95	Alpha
Morningstar Agg Tgt Risk TR USD	Morning		
Best Fit Index		Standard Index	MPT Statistics
	I	0.98	Sharpe Ratio
		11.87	Mean
1	ī	10.32	Standard Deviation
10 Yr	5Yr	3 Yr	
		+Avg	Morningstar Return
1	1	Avg	Morningstar Risk
		4⊁	Morningstar Rating™
15 funds	149 funds	191 funds 14	

Below B

888

21.61

묾

Manager: Family: Tenure:

> Multiple Vanguard

> > Ticker: Base Currency:

YVLX US92202E7224

Incept: Type:

Purchase Constraints:

ISIN:

Greater Europe Greater Asia

64.1 18.2 17.7

1.03 0.99 0.90

Americas

Regional Exposure

Stocks %

Rel Std Index

0.00 0.00 0.00 0.00

Objective:

Asset Allocation 4.6 Years

Minimum Initial Purchase:

\$100 mil

Total Assets:

≨ 06-26-2015

\$9,036.32 mil

		· ' IIII				
Morni	& Gold 04-25-2019					
ngstar A	ld 2019					
\nalyst F		1 🗏				
}ating™						
0verall	**** 191 US 2055					
Mornin	★★★★ 191 US Fund Target-Date 2055					
gstar Ra	rget-Dat	88				<
ting™		88				\
Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index	Morningstar Mod Tgt Risk TR USD	8				1
d Index	star Moo TR USD	8				
Cate	_	89			}	
Category Index	Morningstar Lifetime Mod 2055 TR USD	100k Sta	` ^ :	: 40k		10k
×	2055 2	Investment Equity Stocks %	Growth of \$	Vangua 2055 Ir	- Catego 14,301	13,701

Growth of \$10,000

Vanguard Instl Trgt Retire 2055 Instl

Category Average 14,301 14,637

13,701 Standard Index Investment Style

2055

US Fund Target-Date Morningstar Cat

Page 17 of 35

<u> </u>	<u> </u>		_	— 193 206	677 177	No. of Funds in Cat	
Portfolio Analysis 12-31-2019	is 12-31-2019						
Asset Allocation %	Net %	Long %	Short %	Share Chg Share	Holdings:		Net Assets
Cash	1.32	1.32	0.00	since Amount		156 Total Fixed-Income,	%
US Stocks	53.58	53.58	0.00	E107-11	370 Fulliovel hauto		1
Non-US Stocks	35.35	35.35	0.00	⊕ 61 mil	61 mil Vanguard Total Stock Market Idx I	k Market ldx I	54.14
Bonds	9.66	9.66	0.00	⊕ 182 mil	182 mil Vanguard Total Intl Stock Index Inv	stock Index Inv	35.87
Other/Not Clsfd	0.09	0.09	0.00	⊕ 58 mil	58 mil Vanguard Total Bond Market II ldx	Market II ldx	7.11
Total	100.00	100.00	0.00	⊕ 12 mil	12 mil Vanguard Total Intl Bd Idx Admiral TM	3d Idx Admiral™	2.88
Equity Style	Portfolio Statistics	- 1		Sector Weightings		Stocks %	Rel Std Index
Value Blend Growth	P/E Ratio TTM	19.3 1.05	0.96	் Cyclical	-	36.4	0.91 10
эбле	P/C Ratio TTM	11.8 1.04		Basic Materials	8	4.5	76.0
υįΜ	P/B Ratio TTM	2.3 1.08		Consumer Cyclical	lical	10.3	1.06
S	Geo Avg Mkt Cap	47280 1.27 0.84	0.84	Financial Services	ices	17.5	0.99
·w	9					•	0

	ity Breakdown 11-30-2019	woJ	Avg Wtd Price		Avg Eff Duration	Avg Eff Maturity	me Style	
52.74 10.19 15.46					6.84	8.77		
	Consumer Healthcare	→ Defensive		Industrials	Energy	■ Comm	✓ Sensitive	
SS	Consumer De Healthcare	sive	ology	rials		Communication	ive	•

Credit Qual

 \geq

Rel	Sector Weightings	Stocks %	Rel Std Index
Cat	Դ Cyclical	36.4	0.91
1 0.90	Basic Materials	4.5	0.97
3 0.94	Consumer Cyclical	10.3	1.06
7 0.84	Financial Services	17.5	0.99
	Real Estate	4.2	0.52
	∨ Sensitive	40.3	1.09
8.77	Communication Services	8.6	1.23
6.84	★ Energy	4.9	0.93
2.90	ndustrials	11.6	1.03
I	Technology	15.2	1.15
	→ Defensive	23.2	1.01
	Consumer Defensive	7.8	0.98
82 7/1 8 Dring	◆ Healthcare	12.2	1.09
10.19	Utilities	3.2	0.84
15.46			
21 K1			

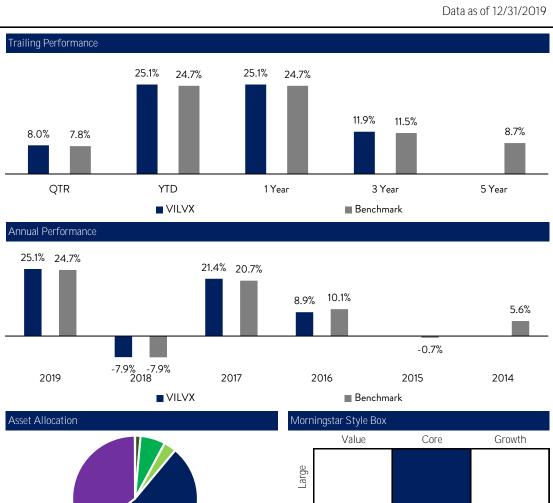
r accompanied by a prospectus, or equivalent, and disclosure statement. Please see important disclosures at the end of this report.	ited to, Morningstar	of th	ot warranted to be correct, complete or accurate. Except as otherwise required by law, Morningstar shall not be r	uted, (4) do no	ormation pro	©2020 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and
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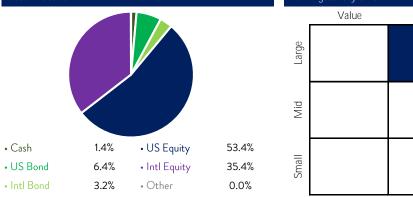
Vanguard Instl Trgt Retire 2060 Instl VILVX

Product Details	
Name	Vanguard Instl Trgt Retire 2060 Instl
Ticker	VILVX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2060+
Benchmark	S&P Target Date 2060+ TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$3,008,012,990

Fund Characteristics	VILVX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$47,217	-\$4,427
P/E Ratio (TTM)	19.26	-0.49
P/B Ratio (TTM)	2.26	-0.09
Est. Dividend Yield	2.39%	0.07%

Sector Allocations	VILVX	Category	+/- Category
Materials	4.5%	4.3%	0.2%
Communication Services	8.6%	8.6%	-0.1%
Consumer Discretionary	10.3%	10.2%	0.1%
Consumer Staples	7.8%	7.5%	0.3%
Healthcare	12.2%	12.5%	-0.3%
Industrials	11.7%	11.2%	0.4%
Real Estate	4.2%	4.7%	-0.5%
Technology	15.2%	15.7%	-0.5%
Energy	4.9%	5.0%	-0.1%
Financial Services	17.5%	17.1%	0.4%
Utilities	3.2%	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				
• VILVX	8.04%	25.13%	25.13%	11.86%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	7.81%	24.73%	24.73%	11.50%	8.68%	-	• VILVX	8.04%	0.32%	3.50%	11.53%
+/- Benchmark	0.23%	0.40%	0.40%	0.35%	-	-	 Benchmark 	7.81%	0.45%	3.37%	11.42%
Peer Group Rank	42	48	48	35	-	-	+/- Benchmark	0.23%	-0.13%	0.14%	0.12%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VILVX	25.13%	-7.88%	21.42%	8.94%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	24.73%	-7.95%	20.75%	10.08%	-0.66%	5.64%	• VILVX	-11.80%	4.05%	0.93%	-0.54%
+/- Benchmark	0.40%	0.07%	0.67%	-1.13%	-	-	• Benchmark	-12.22%	3.97%	1.77%	-0.90%
Peer Group Rank	48	29	40	22	-	-	+/- Benchmark	0.42%	0.08%	-0.85%	0.36%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VILVX	-	-	-	-	-	-	• VILVX	5.16%	4.67%	3.86%	6.20%
• Benchmark	8.68%	7.49%	6.87%	7.10%	5.12%	9.50%	Benchmark	5.47%	4.51%	3.59%	5.75%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.31%	0.16%	0.27%	0.46%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3 .	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VILVX	1.25%	4.85%	1.81%	0.80%
Alpha	0.45	0.00	-	0.00	-	-	• Benchmark	2.40%	4.36%	1.89%	1.09%
Beta	0.99	1.00	-	1.00	-	-	+/- Benchmark	-1.16%	0.49%	-0.09%	-0.28%
Standard Deviation	10.37	10.50	-	10.60	-	-					
Sharpe Ratio	0.97	0.93	-	0.74	-	-	5-Year Quarterly				
Information Ratio	0.47	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	10.30	9.79	-	7.57	-	-	• VILVX	4.28%	-7.99%	-	-
Upside Capture Ratio	100.14	100.00	-	100.00	-	-	• Benchmark	4.47%	-7.58%	-0.06%	2.94%
Downside Capture Ratio	96.96	100.00	-	100.00	-	-	+/- Benchmark	-0.19%	-0.41%	-	-
•											

Release date 12-31-2019

Morningstar Lifetime Mod 2060

2060+

US Fund Target-Date Morningstar Cat

Page 18 of 35

Category Index

TR USD

89

Equity Stocks %

Investment Style

Growth of \$10,000

2060 Instl (USD) Vanguard Instl Trgt Retire

2017 Quarterly Returns No. in Cat +/- Cat Index +/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 % Rank Cat Total Return Trailing Returns Performance 12-31-2019 11.53 1st Otr 25.13 25.13 6.20 25.13 -0.54 0.17 6.10 216 2nd Otr 11.86 11.86 2.72 0.49 3.50 0.93 3.86 3 Υ 147 39 3rd Qtr 0.32 4.05 4.67 5 Yr -11.80 4th Otr 8.04 5.16 10 Yr Total % 25.13 21.42 8.35 8.35 Incept -7.88 8.35

		Performance Disclosure
2.35	2.35	30-day SEC Yield 12-31-19
		7-day Yield
Unsubsidized	Subsidized	

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than The Overall Morningstar flating is based on risk-adjusted returns, derived from a weighted average of the three-, five-, and 10-year [if applicable] Morningstar metrics. The performance data quoted represents past performance and does not guarantee future results. The investment return and

Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent

their original cost.

•		_
Sales Charges	Fees and Expenses	month-end, please call 800-662-7447 or visit www.vanguard.com

Sales Charges Front-End Load % Deferred Load %	N N
Deferred Load %	NA
Fund Expenses	
Management Fees %	0.00
12b1 Expense %	NA
Net Expense Ratio %	0.09
Gross Expense Ratio %	0.09
Risk and Return Profile	

Gross Expense Rado %			0.09
Risk and Return Profile			
	3 Yr	5 Yr	10 Yr
	147 funds 34	34 funds	I
Morningstar Rating™	3 ⊁		
Morningstar Risk	Avg		
Morningstar Return	Avg	1	
	3 Yr	5Yr	10 Yr
Standard Deviation	10.37	I	
Mean	11.86		
Sharpe Ratio	0.97		
MPT Statistics	Standard Index N	Best Fit Index Morningstar Agg Tgt Risk TR USD	Best Fit Index gstar Agg Tgt Risk TR USD
Alpha	-1.01		0.18
Beta	1.52		0.95
R-Squared	98.36		99.57

12-Month Yield Potential Cap Gains Exp

2.06% 10.71%

Greater Europe Greater Asia

64.0 18.2 17.7

1.00 0.91

Americas Regional Exposure

Stocks %

Rel Std Index

1.03

묾 Below B

Manager: Family: Tenure:

Multiple

Objective:

Asset Allocation 4.6 Years

> ISIN: Ticker:

Base Currency:

Minimum Initial Purchase:

\$100 mil

≤L/× US92202E7141

Incept: Type: Total Assets:

06-26-2015

\$3,008.01 mil

Purchase Constraints:

80	ШШ				'		
2009						3 Gold 04-25-2019	Morni
2010					1	.019	netar A
2011						9	nalvet B
2012					1		MI MI
2013					1	*** 147 US 2060+	Morningstor Analyst Rating TM Overall Morningstor Rating TM
2014						Fund Tai	Mornin
2015		\$			89	★★★ 147 US Fund Target-Date 2060+	netar Pa
2016		(88		
2017					88	Morning Tgt Risk	Standard Index
2018					88	Morningstar Mod Tgt Risk TR USD	d Index
			1		-	۵	

. 4 . 80k 100k

200

Value Beind Growth Ilems pyw ediet	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 P/B Ratio TTM Geo Avg Mkt Cap \$mil	is 12-31-2019 Net % 1.42 53.43 35.43 9.63 0.09 100.00
Port Rel Avg Index 19.3 1.05 11.8 1.04 2.3 1.08 47217 1.27	Long % 1.42 53.43 35.43 9.63 0.09
Rel X Cat X Cat 5 0.98 4 0.97 8 0.96 7 0.91	Short % 0.00 0.00 0.00 0.00 0.00 0.00
Sector Weightings • Cyclical • Basic Materials • Consumer Cyclical • Financial Services • Real Estate	Share Chg Share since Amount 11-2019 20 mil
Stocks % 36.5 Ils 4.5 Slical 10.3 rices 17.5 4.2	Share Holdings: Monount 10.359 Total Stocks, 13.940 Total Fixed-Income 3% Turnover Ratio 3% Turnover Ratio 20 mil Vanguard Total Stock Market Idx I 51 mil Vanguard Total Intl Stock Index Inv 19 mil Vanguard Total Bond Market II Idx 4 mil Vanguard Total Intl Bd Idx Admiral M 4 mil Vanguard Total Intl Bd Idx Admiral M
Rel Std Index 0.91 0.97 1.06 0.99 0.52	Net Assets % 9 53.99 35.96 7.10 2.85

108

Fixed-Income Style		Ę
Ltd Mod Ext Avg Eff Maturity	8.77	#0
B⊪ Avg Eff Duration	6.84	3
	2.90	٥
Avg Wtd Price	1	
моп		ļ
Credit Quality Breakdown 11-30-2019	Bond %]
AAA	52.80	2
AA	10.16	
A	15.44	
BBB	21.60	
BB	0.00	
В	0.00	

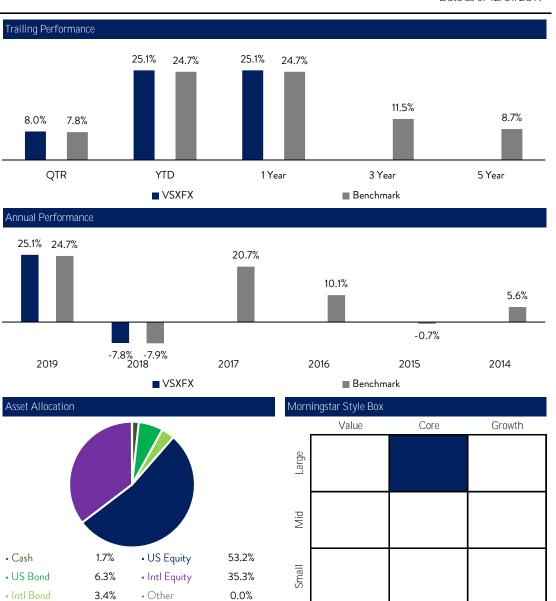
10.16 15.44 21.60 0.00 0.00 0.00	22.80	Bond %				2.90	6.84	8.77			0.91	0.96	0.97	Cat
	Utilities	→ Healthcare	Consumer Defensive	→ Defensive	_		♦ Energy	_	∨ Sensitive	_	Financial Services	Consumer Cyclical	Basic Materials	Դ Cyclical
į	3.2	12.2	7.8	23.2	15.2	11.7	4.9	8.6	40.3	4.2	17.5	10.3	4.5	36.5
3	0.84	1.09	0.98	1.01	1.15	1.03	0.93	1.23	1.09	0.52	0.99	1.06	0.97	0.91

Vanguard Instl Trgt Retire 2065 Instl VSXFX

Product Details	
Name	Vanguard Instl Trgt Retire 2065 Instl
Ticker	VSXFX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date 2060+
Benchmark	S&P Target Date 2060+ TR USD
Inception Date	7/12/2017
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	2.50 Years
Fund Size	\$307,883,675

Fund Characteristics	VSXFX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$47,643	-\$4,001
P/E Ratio (TTM)	19.23	-0.51
P/B Ratio (TTM)	2.28	-0.08
Est. Dividend Yield	2.38%	0.06%

Sector Allocations	VSXFX	Category	+/- Category
Materials	4.5%	4.3%	0.3%
Communication Services	8.6%	8.6%	-0.1%
Consumer Discretionary	10.3%	10.2%	0.2%
Consumer Staples	7.7%	7.5%	0.2%
Healthcare	12.2%	12.5%	-0.4%
Industrials	11.4%	11.2%	0.2%
Real Estate	4.2%	4.7%	-0.6%
Technology	15.5%	15.7%	-0.2%
Energy	5.0%	5.0%	0.0%
Financial Services	17.4%	17.1%	0.3%
Utilities	3.2%	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				
• VSXFX	8.01%	25.15%	25.15%	-	-	-	Performance	4Q19	3Q19	2019	1Q19
• Benchmark	7.81%	24.73%	24.73%	11.50%	8.68%	-	• VSXFX	8.01%	0.31%	3.56%	11.55%
+/- Benchmark	0.19%	0.42%	0.42%	-	-	-	• Benchmark	7.81%	0.45%	3.37%	11.42%
Peer Group Rank	43	47	47	-	-	-	+/- Benchmark	0.19%	-0.15%	0.19%	0.13%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VSXFX	25.15%	-7.84%	-	-	-	-	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	24.73%	-7.95%	20.75%	10.08%	-0.66%	5.64%	• VSXFX	-11.78%	3.94%	0.97%	-0.46%
+/- Benchmark	0.42%	0.11%	-	-	-	-	Benchmark	-12.22%	3.97%	1.77%	-0.90%
Peer Group Rank	47	27	-	-	-	-	+/- Benchmark	0.44%	-0.04%	-0.80%	0.44%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VSXFX	-	-	-	-	-	-	• VSXFX	5.23%	-	-	-
• Benchmark	8.68%	7.49%	6.87%	7.10%	5.12%	9.50%	• Benchmark	5.47%	4.51%	3.59%	5.75%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.24%	-	-	-
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics		Year		Year		Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VSXFX	-	-	-	-
Alpha	-	0.00	-	0.00	-	-	Benchmark	2.40%	4.36%	1.89%	1.09%
Beta	-	1.00	-	1.00	-	-	+/- Benchmark	-	-	-	-
Standard Deviation	-	10.50	-	10.60	-	-					
Sharpe Ratio	-	0.93	-	0.74	-	-	5-Year Quarterly				
Information Ratio	-	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	-	9.79	-	7.57	-	-	• VSXFX	-	-	-	-
Upside Capture Ratio	-	100.00	-	100.00	-	-	• Benchmark	4.47%	-7.58%	-0.06%	2.94%
Downside Capture Ratio	-	100.00	-	100.00	-	-	+/- Benchmark	-	-	-	-

Release date 12-31-2019

Vanguard Instl Trgt Retire 2065 Instl (USD)

2017 Quarterly Returns

Performance 12-31-2019

1st Otr

2nd Otr

3rd Qtr

4th Otr

Total %

88

2019 2018

11.55

0.31 3.94

8.01 5.23

25.15

5 Yr

10 Yr

Incept

9.89

-0.46

0.97 3.56 3 Yr

-11.78

-7.84

Trailing Returns

25.15

Morningstar Analyst
Rating TM
S Gold
04-25-2019

Standard Index

Tgt Risk TR USD Morningstar Mod

88 88 TR USD Morningstar

Lifetime Mod 2060 2060+ US Fund Target-Date

Category Index

Morningstar Cat

Page 19 of 35

Equity Investment Style

Stocks % Growth of \$10,000 Vanguard Instl Trgt Retire

60 × 100 60 ×

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 12-31-19

2.35

2.35

7-day Yield

Subsidized

Unsubsidized

2008

2009

2010

2011 2

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

216 52 +/- Std Index

0.19 6.12 Std 12-31-2019 Load-adj Mthly

Total Return

25.15 25.15

9.89 9.89

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

> Cash Asset Allocation %

Portfolio Analysis 12-31-2019

Front-End Load %	Sales Charges	Fees and Expenses	month one, produce can one one i this or their wasternangeand.com.
NA			roc veve ve vangaara.com.

Front-End Load % Deferred Load %	
Fund Expenses	
Management Fees %	0.
12b1 Expense %	_
Net Expense Ratio %	
Gross Expense Ratio %	
Risk and Return Profile	

			Alpha
Best Fit Index		Standard Index	MPT Statistics
	ı	I	Sharpe Ratio
1		1	Mean
1	1	1	Standard Deviation
10 Yr	5 Yr	3 Yr	
			Morningstar Return
1	1	1	Morningstar Risk
			Morningstar Rating [™]
I	34 funds	147 funds	
10 Yr	5 Yr	3 Yr	
			Risk and Return Profile
0.09			Gross Expense Ratio %
0.09			Net Expense Ratio %
NA			12b1 Expense %
0.00			Management Fees %
			ruiid Expelises

llem2 bit			Equity Style Po	Total	Other/Not Clsfd	Bonds	Non-US Stocks	US Stocks
Geo Avg Mkt Cap \$mil	P/C Ratio TTM	P/E Ratio TTM	Portfolio Statistics	100.00	0.08	9.69	35.31	53.17
47643	11.9	Avg 19.2	Port	100.00	0.08	9.70	35.31	53.17
1.28	1.04	1.05	Rel	ŏ	∞	o	~	7
0.92	0.97	0.97	Rel	0.00	0.00	0.00	0.00	0.00

dit Quality Brea	MOT	pəM	и́діН	Mod Ext	
dit Quality Breakdown 11-30-2019		Avg Wtd Price	Avg Eff Duration Avg Wtd Coupon	Avg Eff Maturity	6
Bond %		5	6.87 2.87	8.79	

^		
Credit Quality Breakdown 11-30-2019	0-2019	Bond %
AAA		52.19
AA		10.46
P		15.64
BBB		21.70
BB		0.00
В		0.00
Below B		0.00
NR		0.00
Regional Exposure	Stocks %	Rel Std Index
Americas	64.0	1.03
Greater Europe	18.3	1.00
Greater Asia	17.7	0.90

No. of Funds in Cat	216	201	1 1		1 1	1 1	1 1	
+/- Category Index	0.19	0.85						
+/- Standard Index	6.12	-3.08						
Total Return %	25.15	-7.84						
NAV/Price	24.14	19.66	21.72					
History	12-19	2018	2017	2016	2015	2014	2013	2012
Performance Quartile (within category)								ШШ
	4 _k							
Standard Index	10k		\					
Category Average 12,316	20k							
2065 Instl 12,417	40k							

Rel Std Index	Stocks %	Sector Weightings	0.92	1.28	47643 1.28	t Cap
0.84	407,666 Vanguard Total Intl Bd Idx Admiral TM	407,666	0.97	1.04	11.9 2.3	Z Z
1.97	Vanguard Total Bond Market II ldx	⊕ 2 mil	0.97	1.05	19.2	′ ≤
2.13	686,605 Vanguard Total Intl Bd Idx Institu	686,605	Rel Cat	Index	Port Avg	istics
4.98	Vanguard Total Bond Market II ldx I	⊕ 5 mil	0	3		0
10.14	Vanguard Total Intl Stock Index Inv	⊕ 6 mil	0.0	5	100.00	00.00
15.23	Vanguard Total Stock Market ldx I	⊕ 2 mil	0.00	∞	0.08	0.08
25.66	Vanguard Total Intl Stock Idx Inst	⊕ 2 mil	0.00	0	9.7	9.69
38.50	Vanguard Total Stock Mkt Idx Instl	⊕ 3 mil	0.00	≃ :	35.31	35.31
	8% Turnover Ratio	11-2019	0 00	7 .	53 :	53 17
%	10,085 Total Stocks, 13,040 Total Fixed-Income,	since Amount	9		1.74	1 74
Net Assets	Holdings:	Share Chg Share	Short %		Long %	Net %

Sector Weightings	Stocks %	Rel Std Index
∿ Cyclical	36.4	0.91
Basic Materials	4.5	0.98
Consumer Cyclical	10.3	1.06
Financial Services	17.4	0.98
Real Estate	4.2	0.52
∨ Sensitive	40.5	1.10
Communication Services	8.6	1.23
▲ Energy	5.0	0.95
ndustrials	11.4	1.00
Technology	15.5	1.17
→ Defensive	23.1	1.00
Consumer Defensive	7.7	0.96
◆ Healthcare	12.2	1.08
Utilities	3.2	0.84

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$100 mil	US92202E6721	VSXFX	USD
Total Assets:	Туре:	Incept	Purchase Constraints:
\$307.88 mil	MF	07-12-2017	I

Objective:

Asset Allocation 2.5 Years Vanguard

Manager: Family:

Multiple

Tenure:

R-Squared Beta

Potential Cap Gains Exp 12-Month Yield

2.24%

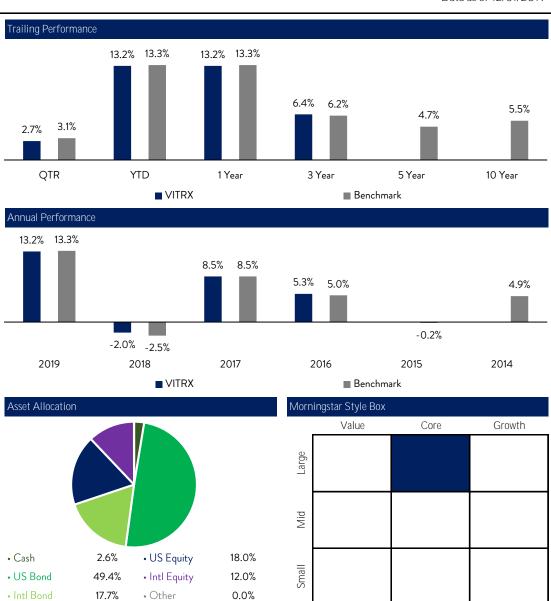
.92%

Vanguard Instl Trgt Retire Inc Instl VITRX

Product Details	
Name	Vanguard Instl Trgt Retire Inc Instl
Ticker	VITRX
Expense Ratio	0.090%
Morningstar Category	US Fund Target-Date Retirement
Benchmark	S&P Target Date Retirement Income TR USD
Inception Date	6/26/2015
Longest Tenured Manager	William A. Coleman; Walter Nejman;
Longest Manager Tenure	4.58 Years
Fund Size	\$6,526,708,966

Fund Characteristics	VITRX	+/- Category
% Assets in Top 10 Holdings	N/A (Fund of Funds)	=
Average Market Cap (mil)	\$47,134	-\$5,236
P/E Ratio (TTM)	19.25	-0.39
P/B Ratio (TTM)	2.26	-0.13
Est. Dividend Yield	2.39%	-0.06%

Sector Allocations	VITRX	Category	+/- Category
Materials	4.5%	3.7%	0.7%
Communication Services	8.6%	8.4%	0.2%
Consumer Discretionary	10.3%	9.9%	0.4%
Consumer Staples	7.8%	7.4%	0.3%
Healthcare	12.2%	12.4%	-0.2%
Industrials	11.7%	10.6%	1.1%
Real Estate	4.2%	6.6%	-2.4%
Technology	15.2%	15.5%	-0.3%
Energy	4.9%	5.1%	-0.2%
Financial Services	17.5%	17.2%	0.3%
Utilities	3.2%	3.3%	-0.1%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VITRX	2.66%	13.20%	13.20%	6.39%	-	-	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	3.05%	13.33%	13.33%	6.23%	4.67%	5.50%	• VITRX	2.66%	1.49%	2.91%	5.58%
+/- Benchmark	-0.39%	-0.13%	-0.13%	0.16%	-	-	• Benchmark	3.05%	1.32%	2.82%	5.57%
Peer Group Rank	39	45	45	28	-	-	+/- Benchmark	-0.39%	0.17%	0.09%	0.00%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VITRX	13.20%	-1.98%	8.54%	5.29%	-	-	Performance	4Q18	3Q18	2Q18	1Q18
Benchmark	13.33%	-2.54%	8.54%	5.01%	-0.18%	4.86%	• VITRX	-3.21%	1.34%	0.45%	-0.52%
+/- Benchmark	-0.13%	0.56%	0.00%	0.28%	-	-	 Benchmark 	-3.92%	1.55%	0.70%	-0.80%
Peer Group Rank	45	13	50	35	-	-	+/- Benchmark	0.72%	-0.21%	-0.25%	0.28%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VITRX	-	-	-	-	-	-	• VITRX	2.05%	1.99%	1.78%	2.47%
• Benchmark	4.67%	4.36%	3.94%	3.89%	3.06%	4.37%	 Benchmark 	2.24%	2.06%	1.79%	2.20%
+/- Benchmark	-	-	-	-	-	-	+/- Benchmark	-0.19%	-0.07%	-0.01%	0.27%
Peer Group Rank	-	-	-	-	-	-					
							5-Year Quarterly				
Risk Statistics	3`	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VITRX	-1.00%	1.91%	2.03%	2.28%
Alpha	0.54	0.00	-	0.00	-	0.00	 Benchmark 	-0.76%	1.66%	1.86%	2.18%
Beta	0.91	1.00	-	1.00	-	1.00	+/- Benchmark	-0.24%	0.26%	0.16%	0.10%
Standard Deviation	3.58	3.89	-	3.87	-	4.23					
Sharpe Ratio	1.27	1.13	-	0.92	-	1.15	5-Year Quarterly				
Information Ratio	0.26	-	-	-	-	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	5.15	4.52	-	3.57	-	4.91	• VITRX	1.23%	-2.15%	-	-
Upside Capture Ratio	96.15	100.00	-	100.00	-	100.00	• Benchmark	1.14%	-2.09%	-0.87%	1.69%
Downside Capture Ratio	82.34	100.00	-	100.00	-	100.00	+/- Benchmark	0.09%	-0.05%	-	-
*											

Release date 12-31-2019

Vanguard Instl Trgt Retire Inc Instl (USD)

Performance 12-31-2019

1st Otr

2nd Otr

3rd Otr

4th Otr 2.05 -3.21 2.66 10 Yr

Total %

₹ Gold 04-25-2019 Morningstar Analyst Rating™ Overall Morningstar Rating™ Retirement

157 US Fund Target-Date

88

69

6 8 8 10 10 10

40

67

Tgt Risk TR USD Morningstar Mod

Standard Index

Category Index

Morningstar Cat

Page 20 of 35

67

67 TR USD Morningstar

Lifetime Mod Incm Investment Style
Fixed-Income
Bond %

Retirement **US Fund Target-Date**

Growth of \$10,000 Category Average 12,233 12,561 Vanguard Instl Trgt Retire Inc

:- 20k

13,701 Standard Index

흦

12-19 4 History Performance Quartile (within category)

20.23 -0.70 -3.28 5.29 2016 21.50 -0.01 -6.12 8.54 2017 -1.98 2.77 20.51 0.22 2018 22.62 -0.07 -5.82 13.20 +/- Category Index % Rank Cat NAV/Price +/- Standard Index Total Return %

	1			1	1		4	2		÷	% Hank Cat	
		- - - - - - - -		1			171	175	171 175 187 183	183	171 175 187 183 No. of Funds in Cat	
Ι.								ľ				
¥	alysis 12-31-2019	1-2019										
n %	•		Net %	Long %	Net % Long % Short %	Share	ũ	Share	Share Chg Share Holdings:	-		Net Ass
				8	anna since	Since		Amount	9 779 Tota	Stocks	Amount 9 279 Total Stocks 16 656 Total Fixed-Income	

principal value of an investment will fluctuate; thus an investor's shares, when sold or redeemed, may be worth more or less than

does not guarantee future results. The investment return and The performance data quoted represents past performance and

Por

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 Current performance may be lower or higher than return data

Fees and Expenses

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 12-31-19

2.51

2.51

Performance Disclosure

7-day Yield

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

183

157 ႘ၟ

Subsidized

Unsubsidized

2008

2009

2010

2011

2012

2013

2014

19.60 2015 +/- Std Index

-2.74 6.39

-0.07 -5.82

0.06

Std 12-31-2019 Load-adj Mthly

13.20 13.20 13.20

6.39

5.11

5. 11 5. 11

Total Return

2019 2018 2017 Quarterly Returns

-0.52

0.45

5.58 2.47

2.91 1.78

1.49 1.34 1.99

13.20 Incept

-1.98

8.54

Trailing Returns

1

3 Υ

5 Yr

Portfolio Analysis 12-31-2019	is 12-31-2019					
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings:
Cash	2.60	2.60	0.00	since	Amount	9,279 Total Stocks , 16,656 Total Fixed-Income ,
US Stocks	18.03	18.03	0.00	0 11-2013		10% Idillower nadio
Non-US Stocks	12.04	12.04	0.00		719 mil	Vanguard Total Bond Market II ldx
Bonds	67.04	67.05	0.01	1	15 mil	Vanguard Total Stock Market Idx I
Other/Not CIsfd	0.29	0.29	0.00	①	44 mil	Vanguard Shrt-Term Infl-Prot Sec I
Total	100.00	100.01	0.01	⊕ ⊕	45 mil	45 mil Vanguard Total Intl Bd Idx Admiral ⁿ 45 mil Vanguard Total Intl Stock Index Inv
Equity Style	Portfolio Statistics		Rel	(¢
Value Blend Growth	P/F Ratio TTM	Avg Index	o Cat	Sector Weightings	htings	Stocks %
egre.	P/C Ratio TTM			∿ Cyclical	a	36.5
oiM	P/B Ratio TTM	2.3 1.08	3 0.95	Basic Materials	Vlateria	
S F	Geo Avg Mkt Cap	47134 1.27		Consu	Consumer Cyclical	lical 10.3
llsm	\$mil			Financial Services	ial Serv	

Smil 97.34 1.27 0.90 Smil 77.34 1.27 0.90 Smil 77.3	47134	1.27	7 0.90 7.29 5.82 2.28 107.45	Consumer Cyclical Financial Services Real Estate W Sensitive Communication Services Financial Industrials
Avg Eff Maturity			7.29	₩ Sensitive
Avg Eff Duration			5.82	_
Avg Wtd Coupon			2.28	_
Avg Wtd Price		_	07.45	
				Technology
		,	-	→ Defensive
JWN 11-30-2019		_ α	Bond %	Consumer Defensive
		_	7 05	 Healthcare

40.3 8.6 4.9 11.7 15.2

1.09 1.23 0.93 1.03 1.14

4.2

0.99 0.52

0.97 1.06 0.91 114

Rel Std Index

36.97

18.22 16.72 15.70 12.22

23.2 7.8 12.2 3.2

1.01 0.98 1.09 0.84

	0.91	17.8	
	1.00	18.3	0e
	1.03	63.9	
	Rel Std Index	Stocks %	sure
	0.00 0.00		
	0.00		
	0.00		
	16.54		
Utilities	11.91		
→ Healthcare	7.95		
Consumer Def	63.60	1 00 10	9
→ Defensive	Bond %	Rreakdown 11-30-2019	Rreak
Technology			гом
Industrials	107.45	Avg Wtd Price	pay
Energy	2.28	Avg Wtd Coupon	y t
Communicatio	5.82	Avg Eff Duration	lgiH
	7.1.	Dyg Elliviatority	_

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$100 mil	US92202E6986	VITRX	USD
Total Assets:	Type:	Incept:	Purchase Constraints:
\$6,526.71 mil	MF	06-26-2015	

Objective: Manager:

Asset Allocation

Tenure:

Multiple 4.6 Years Vanguard

Hamily: Operations Potential Cap Gains Exp

5.54% 2.53%

> Greater Asia Greater Europ

12-Month Yield R-Squared Alpha

0.50 89.97

0.69 97.04

Americas Regional Expos

0.91

TR USD 0.50

MPT Statistics

Standard Index

Best Fit Index Morningstar Lifetime Mod 2015

Below B

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Sharpe Ratio

Standard Deviation

6.39 3.58

888

Morningstar Return

Avg Avg

Credit Quality I

3 ≺

5 Yr

10 Yr

₽ AA Morningstar Risk Morningstar Rating **Risk and Return Profile** Gross Expense Ratio % Net Expense Ratio % 12b1 Expense %

157

5 Yr 131 funds

10 Yr 88 funds

0.09

Fixed-Income Style

0.09 K

Management Fees %

0.00

Fund Expenses

Deferred Load %

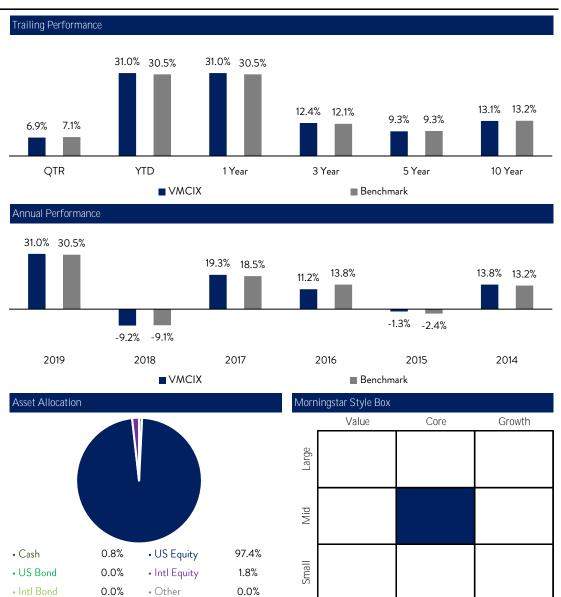
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Front-End Load % Sales Charges

Product Details	
Name	Vanguard Mid Cap Index Institutional
Ticker	VMCIX
Expense Ratio	0.040%
Morningstar Category	US Fund Mid-Cap Blend
Benchmark	Russell Mid Cap TR USD
Inception Date	5/21/1998
Longest Tenured Manager	Donald M. Butler
Longest Manager Tenure	21.67 Years
Fund Size	\$111,567,412,175

Fund Characteristics	VMCIX	+/- Category
% Assets in Top 10 Holdings	6.63%	-17.18%
Average Market Cap (mil)	\$16,708	\$7,942
P/E Ratio (TTM)	22.42	0.32
P/B Ratio (TTM)	2.82	0.48
Est. Dividend Yield	1.63%	0.04%

Sector Allocations	VMCIX	Category	+/- Category
Materials	4.6%	4.5%	0.1%
Communication Services	5.5%	3.6%	1.9%
Consumer Discretionary	12.7%	12.7%	-0.1%
Consumer Staples	4.0%	4.2%	-0.1%
Healthcare	11.3%	10.7%	0.6%
Industrials	11.8%	15.9%	-4.1%
Real Estate	9.4%	9.5%	-0.1%
Technology	17.1%	15.4%	1.8%
Energy	4.5%	3.1%	1.5%
Financial Services	12.4%	16.1%	-3.7%
Utilities	6.6%	4.3%	2.3%
Other	0.0%	0.0%	0.0%



2O19 1O 4.36% 16.7 4.13% 16.5 0.24% 0.29	4.36% 4.13%	16
4.36% 16.79 4.13% 16.59	4.36% 4.13%	16
4.13% 16.5	4.13%	
		16.
0.24% 0.25	0.24%	
		0.
2Q18 1Q ⁻	2Q18	10
2.57% 0.00	2.57%	0.
2.82% -0.4	2.82%	-0
-0.25% 0.46	-0.25%	0.
2Q17 1Q	2Q17	10
2.78% 6.19	2.78%	6.
2.70% 5.15	2.70%	5.
0.08% 1.04	0.08%	1.0
2Q16 1Q ⁻	2Q16	10
2.32% 1.19	2.32%	1.
3.18% 2.24	3.18%	2.
-0.86% -1.0	-0.86%	-1.
2Q15 1Q ²	2Q15	10
-1.16% 4.28	-1.16%	4.
-1.54% 3.95	-1.54%	3.
0.37% 0.33	0.37%	0.
		2.32% 3.18% -0.86% 2015 -1.16% -1.54%

Release date 12-31-2019 Page 21 of 35

Vanguard Mid Cap Index Institutional (USD)

+/- Std Index Std 12-31-2019 Load-adj Mthly 2019 2018 2017 Quarterly Returns No. in Cat % Rank Cat +/- Cat Index Total Return Trailing Returns Performance 12-31-2019 31.04 31.04 31.04 1st Otr 6.19 0.00 -0.44 16.78 0.50 404 2nd Otr 12.37 12.37 -2.90 0.31 2.78 2.57 4.36 361 3 Υ 3rd Qtr -2.44 -0.07 9.26 9.26 9.26 0.60 4.68 3.44 292 5 Yr 17 -15.47 13.09 13.09 13.09 4th Otr -0.10 -0.47 6.87 5.67 10 Yr 220 Total % 10.04 10.04 10.04 19.29 -9.24 31.04

7-day Yield Performance Disclosure 30-day SEC Yield 01-24-20 Subsidized 1.55 Unsubsidized

1.55

-4.76

14.05 40.51 16.40

-0.30

0.03

512

68

11.82 -41.76

2008

2009

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

Asse Cas US

month-end, please call 888-809-8102 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

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

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Risk and Return Profile	Gross Expense Ratio %	Net Expense Ratio %	12b1 Expense %	Management Fees %	Fund Expenses
	0.0	0.0	Z	0.0	

1.48% 25.59%			12-Month Yield Potential Cap Gains Exp
99.52	15 3	94.40	R-Squared
0.98	4	1.04	Beta
-0.21	4	-3.04	Alpha
Best Fit Index Morningstar US Mid Cap TR USD	Mornir	Standard Index	MPT Statistics
0.91	0.67	0.83	Sharpe Ratio
13.09	9.26	12.37	Mean
13.92	12.75	13.00	Standard Deviation
10 Yr	5 Yr	3 Yr	
High	+Avg	+Avg	Morningstar Return
-Avg	-Avg	Avg	Morningstar Risk
5 ★	4⊁	4*	Morningstar Rating™
10 Yr 220 funds	5 Yr 292 funds	3 Yr 361 funds	
			Risk and Return Profile
0.04			Gross Expense Ratio %
0.04			Net Expense Ratio %
NA			12b1 Expense %
0.04			Management Fees %

88 88

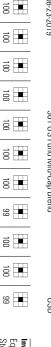
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Credit Quality Breakdown

Below B

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₹3 Gold 08-23-2019 Morningstar Analyst Rating™ Overall Morningstar Rating™ 361 US Fund Mid-Cap Blend



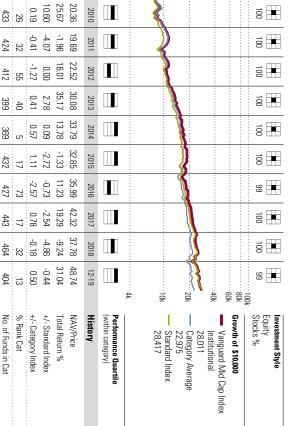
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OSU

Standard Index

Russell Mid Cap TR US Fund Mid-Cap Category Index Blend Morningstar Cat



	мол	paw Avg	Heil-		ome Style		IIEMS COO	PIW		ŗsui	urty style Porti		tal	her/Not Clsfd	nds	n-US Stocks	Stocks	sh	set Allocation %	ortfolio Analysis 12-31-2019
		Avg Wtd Price	Ava Wtd Coupon	Avg Eff Duration	Ava Eff Maturity		\$mil		P/C Ratio I IM	P/E Ratio TTM	Portiolio Stausucs	fellia Statistica	100.00	0.00	0.01	1.78	97.44	0.77	Net %	31-2019
							0.10				Avg Index		100.00	0.00	0.01	1.78	97.44	0.77	Long % St	
								1 01 (1.02	1.01	Cat		0.00	0.00	0.00 (0.00	0.00	0.00	Short %	
O. Crolinal	Sector Weightings	(1)	(I)	(I)	(+)	⊕	(I)	(+)	((I)	(+)	(+)	· (+)	(±)	①	①	6107		Share Chg	
_	htings	4 mil	14 mil	3 mil	14 mil	3 mil	3 mil	8 mil	4 mil	4 mil	1 ⊞i	II mil		10 mil	7 mil			Amount	Share	
201	Stocks %	4 mil IQVIA Holdings Inc	Advanced Micro Devices Inc	Willis Towers Watson PLC	FirstEnergy Corp	Lululemon Athletica Inc	SBA Communications Corp	Eversource Energy	Motorola Solutions Inc	KLA Corp	TransDigm Group Inc	IHS Markit Ltd	WEC Energy Group Inc	ONEOK Inc	Amphenol Corp Class A	Newmont Goldcorp Corp	lo% lullovel hauto	339 Iotal Stocks , 11 Iotal Fixed-Income,	Holdings:	
1 27	Rel Std Index	0.57	0.57	0.58	0.59	0.61	0.61	0.62	0.62	0.63	0.64	U.64	0.65	0.70	0.72	U8.U		%	Net Assets	

117

	13 73	0.61	1.00	Rel Std Index	1		1		1			S	Bond %	
Utilities	◆ Healthcare	Consumer Defensive	→ Defensive	Technology	ndustrials	▲ Energy	Communication Services	∨ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	∿ Cyclical	Sector Weightings
6.6	11.3	4.0	21.9	17.1	11.8	4.5	5.5	39.0	9.4	12.4	12.7	4.6	39.1	Stocks %
1.99	0.78	0.54	0.87	0.87	1.24	1.04	0.53	0.88	3.21	0.78	1.32	2.02	1.27	Rel Std Index

Growth	Objective:
21.7 Years	Tenure:
Multiple	Manager:
Vanguard	Family:
	Operations

Minimum Initial Purchase:	ISIN:	Ticker:	Base Currency:
\$5 mil	US9229088359	VMCIX	USD

Greater Asia

Greater Europe Americas Regional Exposure

98.8 0.5 0.7

05-21-1998

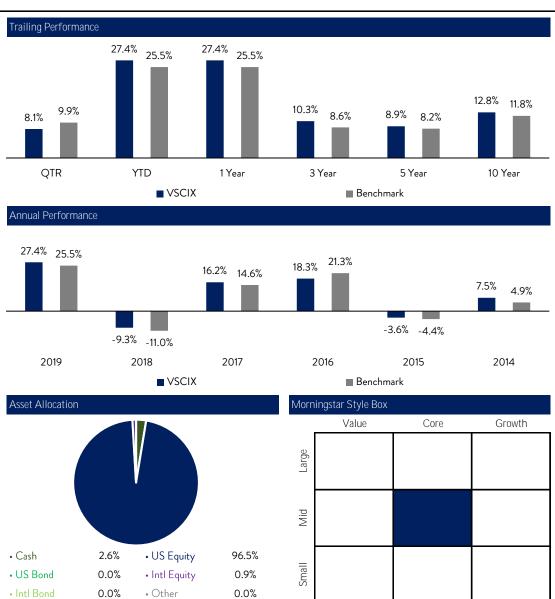
\$111,567.41 mil

Vanguard Small Cap Index I VSCIX

Product Details	
Name	Vanguard Small Cap Index I
Ticker	VSCIX
Expense Ratio	0.040%
Morningstar Category	US Fund Small Blend
Benchmark	Russell 2000 TR USD
Inception Date	7/7/1997
Longest Tenured Manager	Gerard C. O'Reilly; William A. Coleman;
Longest Manager Tenure	3.75 Years
Fund Size	\$96,752,368,291

Fund Characteristics	VSCIX	+/- Category
% Assets in Top 10 Holdings	3.22%	-15.54%
Average Market Cap (mil)	\$4,384	\$1,085
P/E Ratio (TTM)	19.50	-0.34
P/B Ratio (TTM)	2.26	0.00
Est. Dividend Yield	1.71%	0.46%

Sector Allocations	VSCIX	Category	+/- Category
Materials	4.1%	4.6%	-0.5%
Communication Services	3.0%	2.0%	1.0%
Consumer Discretionary	11.6%	10.1%	1.5%
Consumer Staples	3.6%	4.8%	-1.2%
Healthcare	12.6%	12.5%	0.1%
Industrials	15.9%	19.6%	-3.7%
Real Estate	11.7%	8.4%	3.2%
Technology	17.4%	13.4%	4.1%
Energy	2.8%	3.2%	-0.4%
Financial Services	14.1%	18.2%	-4.1%
Utilities	3.2%	3.3%	0.0%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VSCIX	8.14%	27.40%	27.40%	10.33%	8.90%	12.83%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	9.94%	25.52%	25.52%	8.59%	8.23%	11.83%	• VSCIX	8.14%	-1.45%	2.87%	16.20%
+/- Benchmark	-1.80%	1.88%	1.88%	1.74%	0.67%	1.00%	Benchmark	9.94%	-2.40%	2.10%	14.58%
Peer Group Rank	50	18	18	7	18	10	+/- Benchmark	-1.80%	0.95%	0.77%	1.62%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VSCIX	27.40%	-9.32%	16.25%	18.32%	-3.63%	7.53%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	25.52%	-11.01%	14.65%	21.31%	-4.41%	4.89%	• VSCIX	-18.34%	4.78%	6.21%	-0.21%
+/- Benchmark	1.88%	1.70%	1.60%	-2.99%	0.78%	2.64%	• Benchmark	-20.20%	3.58%	7.75%	-0.08%
Peer Group Rank	18	21	13	77	44	19	+/- Benchmark	1.86%	1.20%	-1.55%	-0.12%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VSCIX	8.90%	8.63%	7.73%	7.92%	5.26%	11.49%	• VSCIX	5.10%	4.59%	1.94%	3.74%
Benchmark	8.23%	8.19%	7.06%	7.05%	4.41%	11.07%	• Benchmark	3.34%	5.67%	2.46%	2.47%
+/- Benchmark	0.67%	0.44%	0.66%	0.86%	0.85%	0.42%	+/- Benchmark	1.76%	-1.08%	-0.52%	1.27%
Peer Group Rank	18	25	19	14	18	24					
							5-Year Quarterly				
Risk Statistics	3 \	/ear	5 `	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VSCIX	6.13%	6.15%	3.98%	1.00%
Alpha	2.01	0.00	1.21	0.00	1.57	0.00	 Benchmark 	8.83%	9.05%	3.79%	-1.52%
Beta	0.93	1.00	0.90	1.00	0.93	1.00	+/- Benchmark	-2.71%	-2.89%	0.19%	2.52%
Standard Deviation	14.94	15.93	14.65	16.04	15.96	17.00					
Sharpe Ratio	0.62	0.49	0.58	0.51	0.80	0.71	5-Year Quarterly				
Information Ratio	0.71	-	0.24	-	0.40	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	9.29	6.88	8.65	7.12	13.16	11.24	• VSCIX	3.12%	-10.32%	-0.56%	4.81%
Upside Capture Ratio	96.61	100.00	90.41	100.00	94.49	100.00	Benchmark	3.59%	-11.92%	0.42%	4.32%
Downside Capture Ratio	85.69	100.00	83.07	100.00	86.55	100.00	+/- Benchmark	-0.48%	1.59%	-0.98%	0.49%

Release date 12-31-2019 Page 22 of 35

(USD) Vanguard Small Cap Index I

Morningstar Analyst Rating™ Overall Morningstar Rating™ Standard Index **\$\fold**\$\forall \times \t

S&P 500 TR USD

OSD

Russell 2000 TR Category Index

US Fund Small Blend Morningstar Cat

()liarterly Beturns	101	THE DAY	370	4th ()tr	O‡A %
-					
2017	3.74	1.94	4.59	5.10	16.25
2018	-0.21	6.21	4.78	-18.34	-9.32
2019	16.20	2.87	-1.45	8.14	27.40
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	27.40	10.33	8.90	12.83	9.02
Std 12-31-2019	27.40		8.90	12.83	9.02
Total Return	27.40	10.33	8.90	12.83	9.02
+/- Std Index	-4.09	-4.94	-2.80	-0.73	
+/- Cat Index	1.88	1.74	0.67	1.00	
% Rank Cat	18	7	17	9	
No. in Cat	702	630	507	367	

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 01-24-20 7-day Yield Subsidized 1.56 Unsubsidized 1.56

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 888-809-8102 or visit www.vanguard.com.

Fees and Expenses

120

Sales Charges Front-End Load % Deferred Load %	2 2
Deferred Load %	z
Fund Expenses	
Management Fees %	0.0
12b1 Expense %	Z
Net Expense Ratio %	0.0
Cross Europeo Datio 0/	-

	99.50		85.29	R-Squared
	0.95		1.14	Beta
	2.06		-5.90	Alpha
	Small Cap TR USD	Small (
	Best Fit Index Morningstar US		Standard Index	MPT Statistics
	0.80	0.58	0.62	Sharpe Ratio
	12.83	8.90	10.33	Mean
	15.96	14.65	14.94	Standard Deviation
_	10 Yr	5 Yr	3 Yr	
_	High	+Avg	High	Morningstar Return
	-Avg	-Avg	-Avg	Morningstar Risk
	5 ★	4	5 ★	Morningstar Rating™
	10 Yr 367 funds	5 Yr 507 funds	3 Yr 630 funds 50	
				Risk and Return Profile
_	0.04			Gross Expense Ratio %
	0.04			Net Expense Ratio %
_	NA			12b1 Expense %
	0.04			Management Fees %

51 670	20.40 -35.98 1.02 -2.19	2008		99
24 649	27.50 36.40 9.94 9.23	2009	\mathcal{L}	1
23	34.77 27.95 12.88 1.09	2010		10
41 650	33.39 -2.65 -4.76 1.53	2011		10 🖽
20 662	38.76 18.26 2.26 1.91	2012	}	99
46 681	52.71 37.80 5.41 -1.02	2013	N N	99
13 737	55.87 7.53 -6.16 2.64	2014		1 ₩
34 780	53.05 -3.63 -5.02	2015		99
70 750	61.77 18.32 6.36 -2.99	2016	\	98
13	70.78 16.25 -5.58 1.60	2017		98
20 769	63.22 -9.32 -4.93 1.70	2018	>	98
18 702	79.37 27.40 -4.09	12-19	80k 60k 40k 10k	97
% Rank Cat No. of Funds in Cat	NAV/Price Total Return % +/- Standard Index +/- Category Index	Performance Quartile (within category) History	Growth of \$10,000 Vanguard Small Cap Index I 29,189 Category Average 22,836 Standard Index 28,417	Investment Style Equity Stocks %

3	> }	A }		Credit Quality Break	MOJ	beM	чбін	Ltd Mod Ext	Fixed-Income Style		llsm2	biM	əfi	Value Blend Growth	Equity Style		Total	Other/Not Clsfd	Bonds	Non-US Stocks	US Stocks	Cash	Asset Allocation %	Portfolio Analysis 12-31-2019
				down —		Avg Wtd Price	Avg Wtd Coupon	Avg Eff Duration	A		\$mil	P/B Ratio I IM	P/C Ratio TTM	P/E Ratio TTM	Portfolio Statistics	00.00	100 00	0.00	0.00	0.92	96.48	2.60	Net %	s 12-31-2019
											4304 U.U4				Port Rel Avg Index	00.00	100 00	0.00	0.00	0.92	96.48		Long %	
			6	Rond %											Cat Re	9	0 :	0.00	0.00	0.00	0.00	0.00	Short %	
Real	🙃 Finan	Consi	Basic	∿ Cyclical	Sector Weightings	⊕	1	⊕	1	1	1	1	_		•	1	⊕	⊕	1	1	11-2019	since	Share Chg	
Real Estate	Financial Services	Consumer Cyclical	Basic Materials	cal	ghtings	2 mil	3 mil	13 mil	1 mil	2 mil	4 mil	2 mil	978,375	4 mil	914,947	2 mil	2 mil	3 mil	1 m.i	4 mil		Amount	Share	
	ices	lical	ls			Insulet Corp	PerkinElmer Inc	Medical Properties Trust Inc	EPAM Systems Inc	West Pharmaceutical Services Inc	Teradyne Inc	Allegion PLC	Tyler Technologies Inc	Equity Lifestyle Properties Inc	Teledyne Technologies Inc	Steris PLC	IDEX Corp	Atmos Energy Corp	Zebra Technologies Corp	Leidos Holdings Inc	15% Turnover Katio	1,358 Total Stocks, 0 Total Fixed-Income,	Holdings:	
11.7	14.1	11.6	4.1	41.4	Stocks %			rust Inc		Services Inc			ō	erties Inc	es Inc				Jorp			Il Fixed-Income,		
3.98	0.88	1.21	1.79	1.35	Rel Std Index	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.31	0.32	0.33	0.33	0.34	0.35	0.35		%	Net Assets	

	:	7 43	0.29	1 00	al Std Index			1		1			, billo	0,0	
Purchase Constraints: Incept: Type:	y Utilities	◆ Healthcare	Consumer Defensive	→ Defensive	Technology	Industrials	♠ Energy	Communication Services	✓ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	Դ Cyclical	Sector Weightings
— 07-07-1997 MF	3.2	12.6	3.6	19.4	17.4	15.9	2.8	3.0	39.1	11.7	14.1	11.6	4.1	41.4	Stocks %
	0.97	0.88	0.47	0.77	0.88	1.67	0.64	0.29	0.89	3.98	0.88	1.21	1.79	1.35	Rel Std Index

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accompanied	uding, but no:	information, data	and (6) are not w	ningstar, (3)	ons contain	20 Morningstar. Al
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tils or enliva	Morningstar Researc	r opinions o	be correct, c	be copied or rea	include the	nts Reserved
ent and		r their use. I	ed to be correct, complete or accurate.	edistributed, (in (1) include the confidential	ghts Reserved. Unless otherwi
disclosure sta	Services LLC,	Opinions exp	accurate. Ex	do not const	ial and proprietary	erwise prov
tement	LC, registered wi	ressed are a	e. Except as otherwise i	nstitute inves	stary informat	ided in a sep
Please see imr	with and governe	opinions or their use. Opinions expressed are as of the date written an	rwise required by	stment advi	ation of Morni	parate agreeme
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sclosures at the	y the U.S. Securiti	and are subject to change with	Morningstar sh	/ Morningstar, (5)	may include, or be derived from, account ir	nay use this re
end of this	rities and Exchange Commission. Th	to change v	hall not be respo	r, (5) are pro	or be derive	port only in
renort	ange Comm	ithout notice.	esponsible for	r, (5) are provided solely for i	d from, acco	the country
	S.	 Investment 	or any trading	for information:	form	n which its o
	report is suppl	nt research i	g decisions,	ional purposes	ation provided b	original distribu
	emental	s produced and issued	y decisions, damages or otl	and there	by your financial a	ntor is
	sales literature	and issued by	other losses resu	ore are	incial advisor wh	based. The infor
	 e. If applicat 	/ subsidiaries	Ħ	not an offer to b	r which cannot	The information, data, analy
	ole it must be	s of Morningstar,	y from, or related to	to buy or sell a security	not be verified by	a, analyses and
	e preceded	gstar, Inc.	d to, this	security,	id by	huk

Objective:

Tenure:

3.8 Years Small Company

Multiple Vanguard

Ticker:

VSCIX OSD

Base Currency:

ISIN:

Minimum Initial Purchase:

\$5 mil

Total Assets:

\$96,752.37 mil

US9229088763

Family:

Manager:

Beta

Alpha

Below B

묾

888 88

12-Month Yield Potential Cap Gains Exp

1.40% 24.09%

Greater Europe Greater Asia

99.4 0.3 0.4

Americas

Regional Exposure

Stocks %

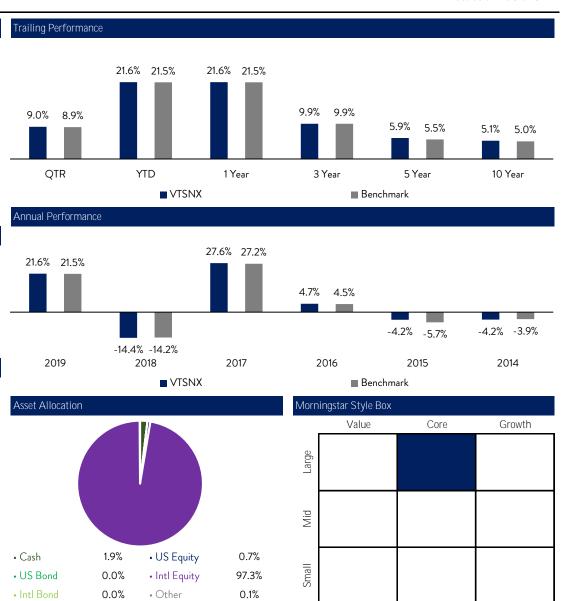
Ве

Vanguard Total Intl Stock Index I VTSNX

Product Details	
Name	Vanguard Total Intl Stock Index I
Ticker	VTSNX
Expense Ratio	0.080%
Morningstar Category	US Fund Foreign Large Blend
Benchmark	MSCI ACWI Ex USA NR USD
Inception Date	11/29/2010
Longest Tenured Manager	Michael Perre
Longest Manager Tenure	11.42 Years
Fund Size	\$420,632,047,222

Fund Characteristics	VTSNX	+/- Category
% Assets in Top 10 Holdings	8.90%	-5.77%
Average Market Cap (mil)	\$24,927	-\$17,406
P/E Ratio (TTM)	15.94	-0.81
P/B Ratio (TTM)	1.61	-0.12
Est. Dividend Yield	3.27%	0.02%

Sector Allocations	VTSNX	Category	+/- Category
Materials	7.6%	7.0%	0.7%
Communication Services	7.1%	7.2%	-0.1%
Consumer Discretionary	11.0%	10.4%	0.6%
Consumer Staples	8.9%	10.5%	-1.6%
Healthcare	9.0%	11.0%	-2.1%
Industrials	13.2%	15.0%	-1.7%
Real Estate	4.0%	2.8%	1.2%
Technology	9.6%	8.7%	0.8%
Energy	6.4%	5.4%	1.0%
Financial Services	20.0%	19.1%	0.9%
Utilities	3.3%	2.9%	0.3%
Other	0.0%	0.0%	0.0%



Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VTSNX	9.05%	21.56%	21.56%	9.90%	5.88%	5.13%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	8.92%	21.51%	21.51%	9.87%	5.51%	4.97%	• VTSNX	9.05%	-1.61%	2.75%	10.26%
+/- Benchmark	0.13%	0.04%	0.04%	0.03%	0.38%	0.17%	Benchmark	8.92%	-1.80%	2.98%	10.31%
Peer Group Rank	38	56	56	28	27	56	+/- Benchmark	0.13%	0.19%	-0.23%	-0.05%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VTSNX	21.56%	-14.39%	27.55%	4.70%	-4.24%	-4.15%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	21.51%	-14.20%	27.19%	4.50%	-5.66%	-3.87%	• VTSNX	-11.66%	0.54%	-3.17%	-0.45%
+/- Benchmark	0.04%	-0.20%	0.36%	0.20%	1.42%	-0.29%	Benchmark	-11.46%	0.71%	-2.61%	-1.18%
Peer Group Rank	56	41	26	13	82	32	+/- Benchmark	-0.20%	-0.16%	-0.56%	0.73%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VTSNX	5.88%	3.17%	2.34%	2.79%	0.97%	4.49%	• VTSNX	4.87%	5.97%	5.83%	8.46%
• Benchmark	5.51%	2.90%	2.16%	2.57%	0.68%	4.12%	• Benchmark	5.00%	6.16%	5.78%	7.86%
+/- Benchmark	0.38%	0.27%	0.18%	0.23%	0.29%	0.37%	+/- Benchmark	-0.13%	-0.20%	0.05%	0.60%
Peer Group Rank	27	37	34	23	21	36					
							5-Year Quarterly				
Risk Statistics	3 '	Year	5	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VTSNX	-1.92%	6.66%	0.24%	-0.16%
Alpha	0.03	0.00	0.50	0.00	0.18	0.00	• Benchmark	-1.25%	6.91%	-0.64%	-0.38%
Beta	1.00	1.00	0.96	1.00	1.00	1.00	+/- Benchmark	-0.66%	-0.25%	0.88%	0.22%
Standard Deviation	11.58	11.50	12.15	12.53	14.71	14.59					
Sharpe Ratio	0.72	0.73	0.44	0.40	0.37	0.37	5-Year Quarterly				
Information Ratio	0.03	-	0.24	-	0.09	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	8.18	8.15	4.97	4.40	4.54	4.38	• VTSNX	2.75%	-11.59%	1.30%	4.07%
Upside Capture Ratio	99.80	100.00	97.89	100.00	100.43	100.00	Benchmark	3.24%	-12.17%	0.53%	3.49%
Downside Capture Ratio	99.39	100.00	94.84	100.00	99.61	100.00	+/- Benchmark	-0.50%	0.58%	0.78%	0.58%

Index I (USD) Vanguard Total Intl Stock

Performance 12-31-2019	31-2019				
Quarterly Returns	1st Otr	2nd Otr	3rd Qtr	4th Qtr	Total %
2017	8.46	5.83	5.97	4.87	27.55
2018	-0.45	-3.17	0.54	-11.66	-14.39
2019	10.26	2.75	-1.61	9.05	21.56
Trailing Returns	1 Yr	3 Yr	5 Yr	10 Yr	Incept
Load-adj Mthly	21.56	9.90	5.88		5.24
Std 12-31-2019	21.56	1	5.88	I	5.24
Total Return	21.56	9.90	5.88	5.13	5.24
+/- Std Index	0.05	0.03	0.38	0.17	
+/- Cat Index	0.05	0.03	0.38	0.17	
% Rank Cat	51	30	29	53	
No. in Cat	732	628	495	372	

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

(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.

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

	Risk and Return Profile
0.08	Gross Expense Ratio %
0.08	Net Expense Ratio %
NA	12b1 Expense %
0.07	Management Fees %
	Fund Expenses
NA S	Deferred Load %
25	Front-End Load %

14.70%			Potential Cap Gains Exp
30.31		30.30	12 Month Viola
00 01	_	00 00	D Carrond
1.02	_	1.00	Beta
-0.70	ω	0.03	Alpha
Mkts xUS GR USD	Mkts		
Best Fit Index		Standard Index	MPT Statistics
0.37	0.44	0.73	Sharpe Ratio
5.13	5.88	9.90	Mean
14.71	12.15	11.58	Standard Deviation
10 Yr	5 Yr	3 Yr	
Avg	+Avg	+Avg	Morningstar Return
Avg	Avg	Avg	Morningstar Risk
3☆	4⋆	3 ★	Morningstar Rating™
10 Yr <i>372 funds</i>	5 Yr 495 funds	3 Yr 628 funds 49	

88 88

Below B

Credit Quality Breakdown – AAA

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sed on pre-inception returns. Flease read disclosure for more information.	ception	returns.	riease	read disc	losure TC	or more in	normatic	Ĭ.					Page 23 of 35
					Overall Morningstar Rating™	Morning	gstar Ra		Standard Index	Index	Category Index	ndex	Morningstar Cat
					★★★★ 628 US Fund Foreign Large	Fund For	eign Lar		MSCI ACWI EX USA NR USD	WI Ex	MSCI ACWI Ex USA NR USD	VI Ex SD	US Fund Foreign Large Blend
				Ī	•							Investment Style	nt Style
97	94	98	97	98	88	96	98	97	97	97	98	Equity Stocks %	6-
											60k	Growth o	Growth of \$10,000
											40k	Vangui Index I	Vanguard Total Intl Stock Index I
												12,610	310 310
									1		Y 05	11,987	11,987 Standard Index
کر)	{	}		}	1	1		10k	12,510	310
		•											
]]]]]]	ı	ı]] ‡		
	Ш											(within category)	Performance Quartile (within category)
2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	12-19	History	
		105.42	87.32	100.18	112.01	103.98	96.94	98.50	122.03	101.46	119.47	NAV/Price	е
-44.10	36.73	11.09	-14.51	18.28	15.15	4.15	-4.24	4.70	27.55	-14.39	21.56	Total Return %	urn %
1.42	-4.72	-0.06	-0.80	1.45	-0.13	-0.29	1.42	0.20	0.36	-0.20	0.05	+/- Standard Index	ard Index
1.42	4.72	-0.06	-0.80	1.45	-0.13	-0.29	1.42	0.20	0.36	-0.20	0.05	+/- Category Index	ory Index
	1	1	60	48	83	జ	79	12	23	50	57	% Rank Cat	àt
			817	786	791	750	788	762	756	741	732	No. of Fu	No. of Funds in Cat

Portfolio Analysis 12-31-2019	s 12-31-2019						
Asset Allocation %	Net %	Long %	Short %	Share Chg	Share	Holdings:	Net Assets
Cash	1.90	1.90	0.00	since	Amount	7,401 Total Stocks, 3 Total Fixed-Income,	%
US Stocks	0.74	0.74	0.00	6107-11	:	4% Turiover nauo	
Non-US Stocks	97.26	97.26	0.00	⊕	28 mil	Alibaba Group Holding Ltd ADR	1.40
Bonds	0.01	0.01	0.00	1	47 mil	Nestle SA	1.19
Other/Not Clsfd	0.09	0.09	0.00	①	92 mil	Tencent Holdings Ltd	1.05
Total	100.00	100.00	0.00	1	388 mil	Taiwan Semiconductor Manufacturing	1.01
				①	76 mil	Samsung Electronics Co Ltd	0.86
Equity Style	Portfolio Statistics	Port Rel	Rel	D :	11 mii	Boche Holding AG Dividend Bight Ce	0.86.3
Value Blend Growth	P/E Ratio TTM	15.9 0.98	0.95	D (Novartis AG	0 76 12
эбл	P/C Ratio TTM	9.5 0.99	9 0.94	D (40 mil	Toyota Motor Corn	0 66 0 66
biM				① (327 mil	HSBC Holdings PLC	0.60
llsm2	\$mil	2432/ 0.0/	0.03	1	39 mil	Total SA	0.51
				⊕	21 mil	AstraZeneca PLC	0.50
Fixed-Income Style	Ava Eff Maturity			1	16 mil	SAP SE	0.50
Ltd Mod Ext	Avg Eff Duration			1	70 mil	Royal Dutch Shell PLC Class A	0.49
цбіі	Ava Wtd Coupon			⊕	195 mil	AIA Group Ltd	0.48
Med	Avg Wtd Price			1	322 mil	BP PLC	0.48
гом				Sector Weightings	ightings	Stocks %	Rel Std Index

:	1 00	1 00	O 98	Std Index			I		1			2	Bond of	
Utilities		Consumer Defensive	→ Defensive	Technology	ndustrials	▶ Energy	Communication Services	∨ Sensitive	Real Estate	Financial Services	Consumer Cyclical	Basic Materials	Դ Cyclical	Sector Weightings
3. 3.	9.0	8.9	21.1	9.6	13.2	6.4	7.1	36.3	4.0	20.0	11.0	7.6	42.6	Stocks %
0.99	0.98	0.94	0.96	1.00	1.11	0.95	0.94	1.01	1.24	0.94	1.06	1.05	1.01	Rel Std Index

M(analyses and t be verified by t or sell a security, or related to, this	idistributor is based. The information, data, ovided by your financial advisor which camor unposes and therefore are not an offer to business and therefore are not an offer to business and the second to the secon	In the country in which its original lerived from, account information pro e provided solely for informational programs are the responsible for any trading despite the responsible for any trading despite.	a sparate agreement, you may use this report or formation of Mooningstar, (2) may include, or be demonstrated by Morningstar, (3) and investment advice offered by Morningstar, (3) are otherwise required by Morningstar, (5) are the state of	2020 Morningstar. All Rights Reserved. Unless otherwise provided in a separate agreement, you may use this report only in the country in which its original distributor is based. The information, data, analyses and priorious contained herein (1) include the confidential and proprietary information of Morningstar, (2) may include, or be derived from, account information provided by your financial advisor which cannot be verified by domingstar, (3) may not be copied or redistributed, (4) do not constitute investment advice referred by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice referred by Morningstar, (3) may not be copied or redistributed, (4) do not constitute investment advice referred by Morningstar, (5) may provided spley for informational purposes and therefore are not an original assuring.	©2020 Morningstar, All ©2020 Morningstar, All opinions contained herei Morningstar, (3) may not and (6) are not warrantee and (6) are not warrantee
\$420,632.07 mil	\$42	Total Assets:	\$5 mil	Minimum Initial Purchase:	Foreign Stock	Objective:
.,	MF	Туре:	US9219097840	ISIN:	11.4 Years	Tenure:
11-29-2010	11-	Incept:	VTSNX	Ticker:	Multiple	Manager:
	I	Purchase Constraints:	USD	Base Currency:	Vanguard	Family:

Greater Europe Greater Asia

10.5 45.1 44.4

Americas

Regional Exposure

Stocks %

Rel

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

Asset Class: Stability of Principal

Important Information

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

Voya Retirement Insurance and

Annuity Company

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

Investment Objective

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 rates. Daily credited interest becomes that exceeds the guaranteed minimum Voya Fixed Account guarantees minimum rates of interest and may credit interest objective of this investment option. The Stability of principal is the primary

Key Features

the general market's volatility in new money interest rates. Your local supporting it are invested by VRIAC with this goal in mind. Therefore, VRIAC may your plan includes competing investment representative can confirm whether or not significantly from month to month despite rates which historically have not varied VRIAC to provide stable credited interest are offered. These restrictions help Account if competing investment options withdrawals involving the Voya Fixed impose restrictions on transfers and seeking stability of principal. The assets a long-term investment for participants The Voya Fixed Account is intended to be

be applied to the Voya Fixed Account a Market Value Adjustment ("MVA") may transfer to another carrier within the plan, or if you surrender your account to If the contract is surrendered completely,

> would not apply to any distribution made to you as a benefit payment. For contracts months, with interest paid). This MVA amount paid out over a period of 60 portion of your account (or the contract holder may elect to have the surrendered withdrawal may be subject to a withdrawal with a withdrawal fee schedule, the

Interest Rate Structure

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

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

current rate for a plan's initial investment the last day of the three-month period rate change initiated solely by us prior to decrease to the current rate following a at any time, except that we will not apply a higher than the GMIR/guaranteed effect for less than a full three-month in the Voya Fixed Account may be in in which such change was effective. The measured from the first day of the month minimum floor rate and may be changed be credited under a contract may be rate equals the GMIR. The current rate to Currently, the guaranteed minimum floor

funding agreements that you may have purchased are issued by Voya Retirement Insurance and Annuity Company ("VRIAC"). VRIAC is solely responsible for Any insurance products, annuities and

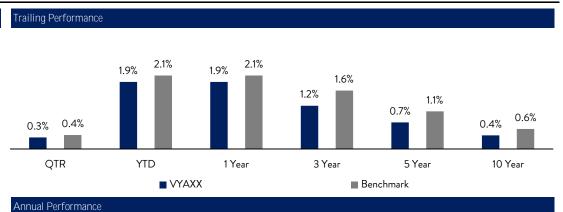
> it has a selling agreement. All products or services may not be available in all states SIPC) or other broker-dealers with which by Voya Financial Partners, LLC (member companies are members of the Voya® they may be provided by Voya Institutional Trust Company. Al agreements are part of this arrangement nor VIPS engage in the sale or solicitation of securities. If custodial or trust VRIAC or Voya Institutional Plan Services, LLC ("VIPS"). Neither VRIAC meeting its obligations. Plan administrative services provided by family of companies. Securities distributed

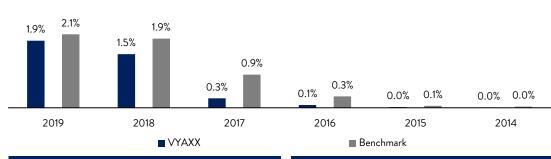


Product Details	
Name	Voya Government Money Market A
Ticker	VYAXX
Expense Ratio	0.400%
Morningstar Category	US Fund Money Market - Taxable
Benchmark	USTREAS Stat US T-Bill 90 Day TR
Inception Date	4/15/1994
Longest Tenured Manager	David S. Yealy
Longest Manager Tenure	15.17 Years
Fund Size	\$199,066,303

Fund Characteristics	VYAXX	+/- Category
% Assets in Top 10 Holdings	88.32%	79.55%
Average Eff Duration	-	-
Average Eff Maturity	-	-
Average Credit Quality	-	AA (Cat Avg.)
Average Coupon	-	-

Sector Allocations	VYAXX	Category	+/- Category
Government	21.0%	11.4%	9.6%
Municipal	0.0%	0.6%	-0.6%
Bank Loan	0.0%	0.0%	0.0%
Convertible	0.0%	0.1%	-0.1%
Corporate Bond	0.0%	0.9%	-0.9%
Preferred Stock	0.0%	0.0%	0.0%
Agency MBS	0.0%	0.1%	-0.1%
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	79.0%	86.9%	-7.9%
Other	0.0%	0.0%	0.0%









Trailing Performance	QTR	YTD	1 Year	3 Year	5 Year	10 Year	5-Year Quarterly				
• VYAXX	0.32%	1.88%	1.88%	1.22%	0.75%	0.38%	Performance	4Q19	3Q19	2Q19	1Q19
• Benchmark	0.39%	2.06%	2.06%	1.64%	1.06%	0.56%	• VYAXX	0.32%	0.50%	0.53%	0.52%
+/- Benchmark	-0.07%	-0.18%	-0.18%	-0.43%	-0.31%	-0.18%	• Benchmark	0.39%	0.49%	0.57%	0.59%
Peer Group Rank	66	44	44	56	51	51	+/- Benchmark	-0.07%	0.01%	-0.04%	-0.07%
Annual Performance	2019	2018	2017	2016	2015	2014	5-Year Quarterly				
• VYAXX	1.88%	1.51%	0.26%	0.08%	0.02%	0.01%	Performance	4Q18	3Q18	2Q18	1Q18
• Benchmark	2.06%	1.94%	0.93%	0.32%	0.05%	0.03%	• VYAXX	0.47%	0.40%	0.35%	0.27%
+/- Benchmark	-0.18%	-0.43%	-0.67%	-0.24%	-0.03%	-0.02%	• Benchmark	0.57%	0.51%	0.46%	0.39%
Peer Group Rank	44	45	77	39	20	22	+/- Benchmark	-0.10%	-0.10%	-0.11%	-0.12%
	01/2015 -	10/2014 -	07/2014 -	04/2014 -	01/2014 -	10/2013 -	5-Year Quarterly				
Rolling 5-Year Performance	12/2019	09/2019	06/2019	03/2019	12/2018	09/2018	Performance	4Q17	3Q17	2Q17	1Q17
• VYAXX	0.75%	0.68%	0.58%	0.48%	0.37%	0.28%	• VYAXX	0.13%	0.09%	0.04%	0.01%
• Benchmark	1.06%	0.98%	0.88%	0.77%	0.65%	0.54%	• Benchmark	0.30%	0.26%	0.22%	0.15%
+/- Benchmark	-0.31%	-0.29%	-0.30%	-0.29%	-0.28%	-0.26%	+/- Benchmark	-0.17%	-0.17%	-0.18%	-0.14%
Peer Group Rank	51	50	53	54	55	56					
							5-Year Quarterly				
Risk Statistics	3 \	Year	5`	Year	10	Year	Performance	4Q16	3Q16	2Q16	1Q16
	Manager	Benchmark	Manager	Benchmark	Manager	Benchmark	• VYAXX	0.01%	0.07%	0.00%	0.00%
Alpha	-0.77	0.00	-0.24	0.00	-0.11	0.00	 Benchmark 	0.11%	0.07%	0.06%	0.07%
Beta	-3.94	1.00	2.49	1.00	4.08	1.00	+/- Benchmark	-0.09%	-0.01%	-0.06%	-0.07%
Standard Deviation	0.22	0.17	0.24	0.24	0.20	0.22					
Sharpe Ratio	-7.79	-8.88	-4.51	-4.09	-2.87	-2.39	5-Year Quarterly				
Information Ratio	-6.32	-	-4.13	-	-2.75	-	Performance	4Q15	3Q15	2Q15	1Q15
Treynor Ratio	0.13	-0.07	-0.14	-0.05	-0.05	-0.02	• VYAXX	0.02%	0.00%	0.00%	0.00%
Upside Capture Ratio	74.17	100.00	70.84	100.00	67.74	100.00	Benchmark	0.03%	0.01%	0.01%	0.01%
Downside Capture Ratio	-	-	-	-	-	-	+/- Benchmark	-0.01%	-0.01%	-0.01%	-0.01%