

**FMPTF Participant Directed Mutual Fund Program  
12/31/2023 Return Summary  
Net of Investment Expense**

Fund Name	Ticker	Expense					
		Ratio	Quarter	One Year	Three Year	Five Year	Ten Year
<b>Cash</b>							
Vanguard Federal Money Market Investor	VMFXX	0.11	1.34	5.09	2.20	1.83	1.21
<b>Fixed Income</b>							
Vanguard Interm-Term Invmt-Grde Adm	VFIDX	0.10	8.20	8.61	-2.54	2.46	2.74
Vanguard Total Bond Market Index Adm	VBTLX	0.05	6.69	5.70	-3.36	1.11	1.79
Vanguard Retirement Savings Trust	NA	0.43	0.62	2.36	1.71	1.91	1.90
Vanguard Total Intl Bond Index Adm	VTABX	0.11	6.51	8.83	-2.51	0.88	2.40
<b>Balanced</b>							
Vanguard Wellington Adm	VWENX	0.17	9.66	14.43	5.33	9.66	7.96
<b>Domestic Equity</b>							
Vanguard Windsor II Adm	VWNAX	0.26	11.74	21.07	10.72	14.96	10.14
Vanguard FTSE Social Index Admiral	VFTAX	0.14	13.20	31.79	8.45	15.95	12.51
Vanguard Institutional Index I	VINIX	0.04	11.68	26.24	9.96	15.66	12.00
Vanguard PRIMECAP Adm	VPMAX	0.31	9.98	28.18	9.88	14.76	13.07
Eaton Vance Atlanta Capital SMID-Cap R6	ERASX	0.82	10.96	14.08	8.39	13.79	11.25
Vanguard Small Cap Index Adm	VSMAX	0.05	13.41	18.20	4.66	11.70	8.43
<b>International Equity</b>							
Vanguard All World ex-US Small Cap	VFSAX	0.16	10.41	15.14	0.71	6.81	3.89
Vanguard Emerging Markets Stock Index Adm	VEMAX	0.14	6.56	9.21	-3.25	4.66	2.98
Vanguard Total Intl Stock Index Admiral	VTIAX	0.11	9.97	15.52	1.77	7.34	4.09
<b>Real Estate</b>							
Vanguard REIT Index Adm	VGSLX	0.12	18.13	11.81	5.02	7.33	7.36
<b>Target Retirement</b>							
Vanguard Target Retirement Income	VTINX	0.08	7.34	10.74	0.56	4.83	4.09
Vanguard Target Retirement 2020	VTWNX	0.08	8.00	12.51	1.47	6.61	5.52
Vanguard Target Retirement 2025	VTTVX	0.08	8.87	14.55	2.03	7.56	6.10
Vanguard Target Retirement 2030	VTHRX	0.08	9.53	16.03	2.66	8.37	6.58
Vanguard Target Retirement 2035	VTTHX	0.08	9.87	17.14	3.33	9.17	7.06
Vanguard Target Retirement 2040	VFORX	0.08	10.23	18.34	4.02	9.99	7.52
Vanguard Target Retirement 2045	VTIVX	0.08	10.57	19.48	4.68	10.76	7.91
Vanguard Target Retirement 2050	VFIFX	0.08	10.79	20.17	4.91	10.93	7.99
Vanguard Target Retirement 2055	VFFVX	0.08	10.78	20.16	4.92	10.92	7.97
Vanguard Target Retirement 2060	VTTSX	0.08	10.79	20.18	4.92	10.92	7.97
Vanguard Target Retirement 2065	VLXVX	0.08	10.79	20.15	4.95	10.91	--

Data provided by Morningstar Direct.

# FMPTF Participant Directed Mutual Fund Program

December 31, 2023





2018 2019 2020 2021 2022

***We are proud to announce that ACG has again been named a Greenwich Associates Quality Leader - recognized as one of the top consultants in the industry.***

**Methodology and Disclosure:** Between February and November of 2022, Coalition Greenwich (previously known as Greenwich Associates), conducted in-person and phone interviews and online surveys with 727 professionals at 590 of the largest tax-exempt funds in the United States, including corporate and union funds, public funds, endowments and foundations, insurance general accounts, and healthcare organizations, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset managers and investment consultants, including qualitative assessments of those firms soliciting their business and detailed information on important market trends. ACG is one of four firms recognized in the mid-size investment consultant category. The ratings may not be representative of any one client's experience with ACG; rather they are representative of those clients that chose to participate in the survey. The results are not indicative of ACG's future performance. ACG does not pay to have its clients participate in the study.



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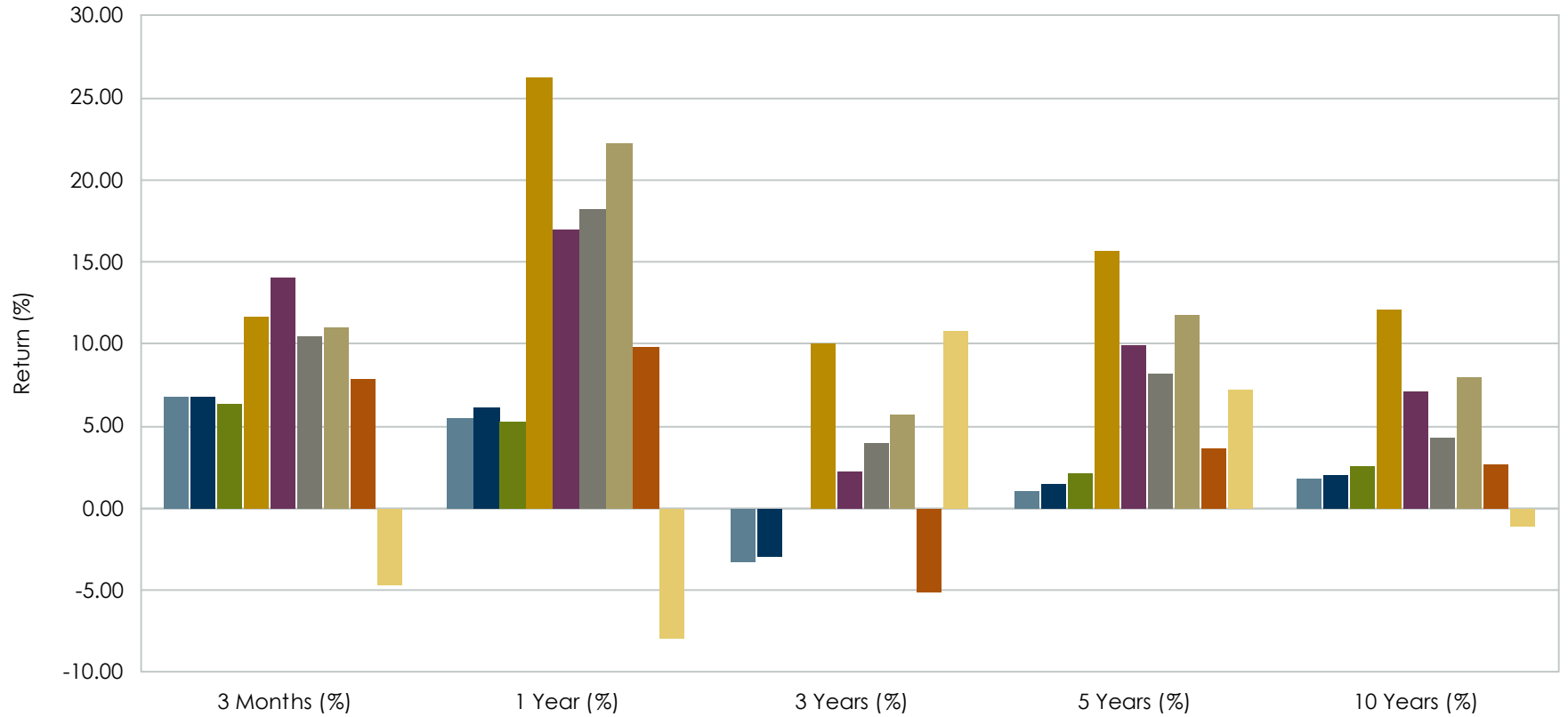
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**Market Overview**



## Market Environment

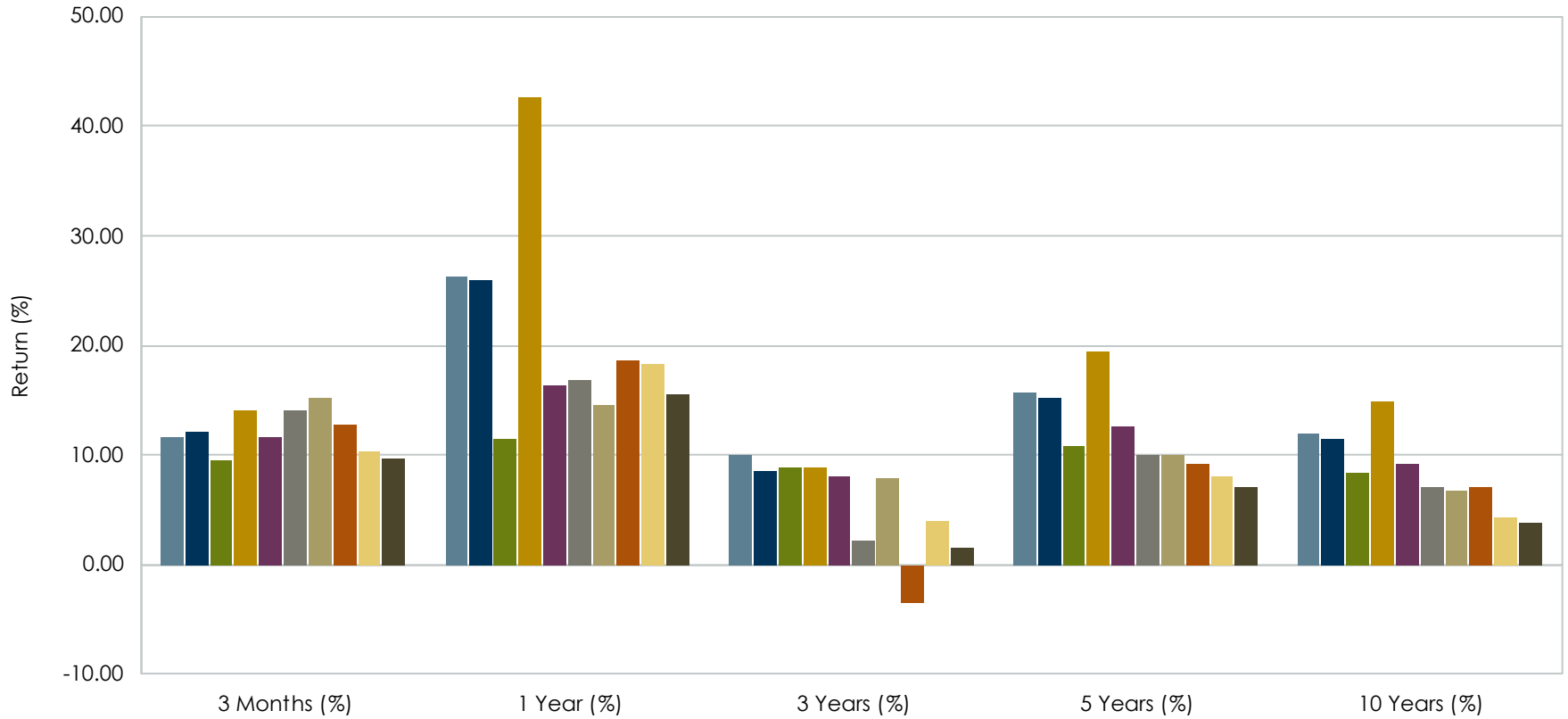
For the Periods Ending December 31, 2023



Bloomberg US Aggregate	6.82	5.53	-3.31	1.10	1.81
Bloomberg Universal	6.83	6.17	-2.97	1.44	2.08
Bloomberg 1-15 Yr Municipal	6.38	5.26	-0.05	2.17	2.58
S&P 500	11.69	26.29	10.00	15.69	12.03
Russell 2000	14.03	16.93	2.22	9.97	7.16
MSCI EAFE NetDiv	10.42	18.24	4.02	8.16	4.28
MSCI ACWI NetDiv	11.03	22.20	5.75	11.72	7.93
MSCI EM NetDiv	7.86	9.83	-5.08	3.68	2.66
Bloomberg Commodity	-4.63	-7.91	10.76	7.23	-1.11

## Equity Index Returns

For the Periods Ending December 31, 2023

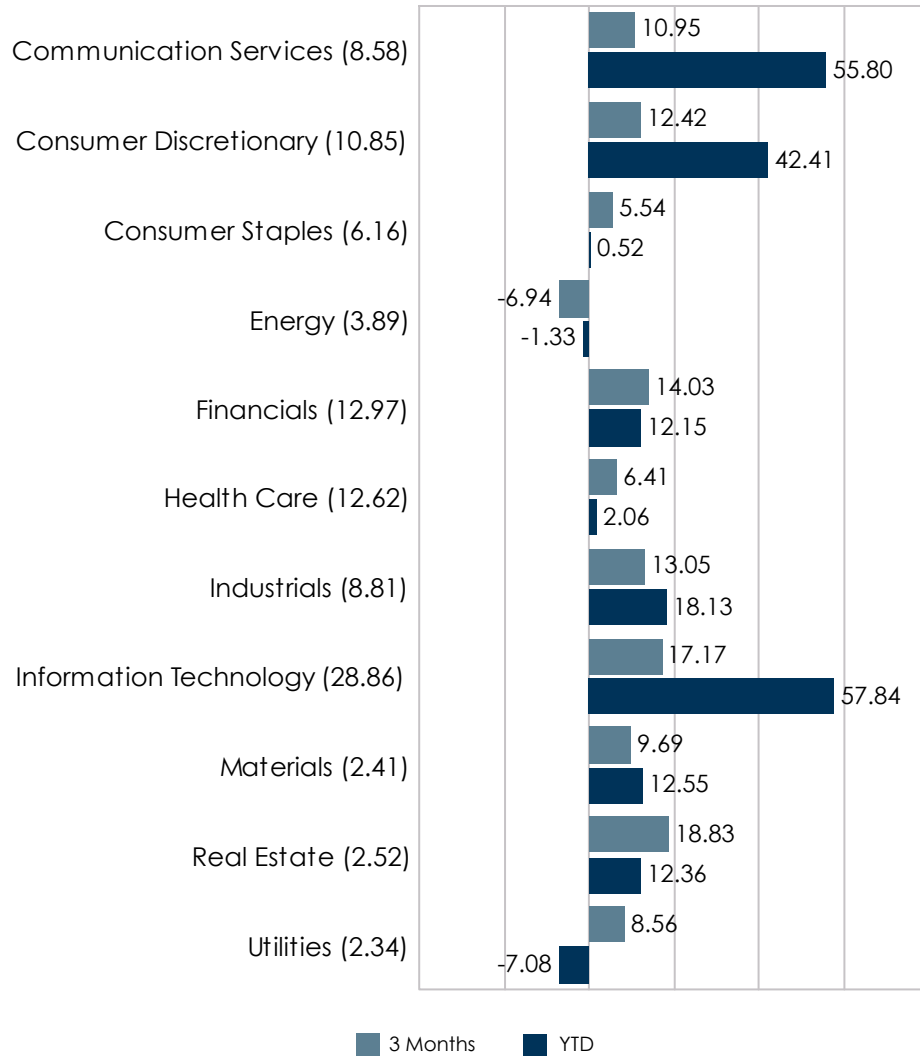


S&P 500	11.69	26.29	10.00	15.69	12.03
Russell 3000	12.07	25.96	8.54	15.16	11.48
Russell 1000 Value	9.50	11.46	8.86	10.91	8.40
Russell 1000 Growth	14.16	42.68	8.86	19.50	14.86
S&P Mid Cap 400	11.67	16.44	8.09	12.62	9.27
Russell 2000	14.03	16.93	2.22	9.97	7.16
Russell 2000 Value	15.26	14.65	7.94	10.00	6.76
Russell 2000 Growth	12.75	18.66	-3.50	9.22	7.16
MSCI EAFE NetDiv	10.42	18.24	4.02	8.16	4.28
MSCI ACWI ex US NetDiv	9.75	15.62	1.55	7.08	3.83

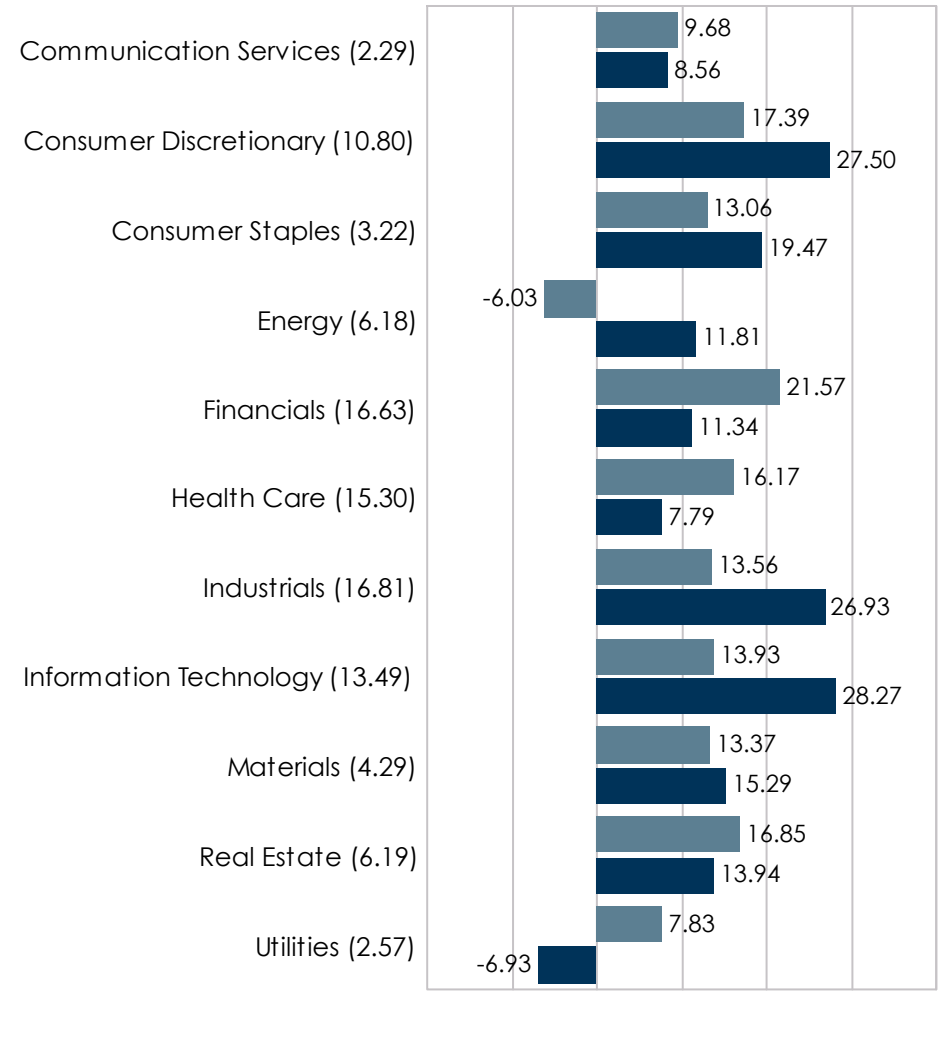
## US Markets - Performance Breakdown

For the Periods Ending December 31, 2023

### S&P 500 - Sector Returns (%)



### Russell 2000 - Sector Returns (%)



■ 3 Months ■ YTD

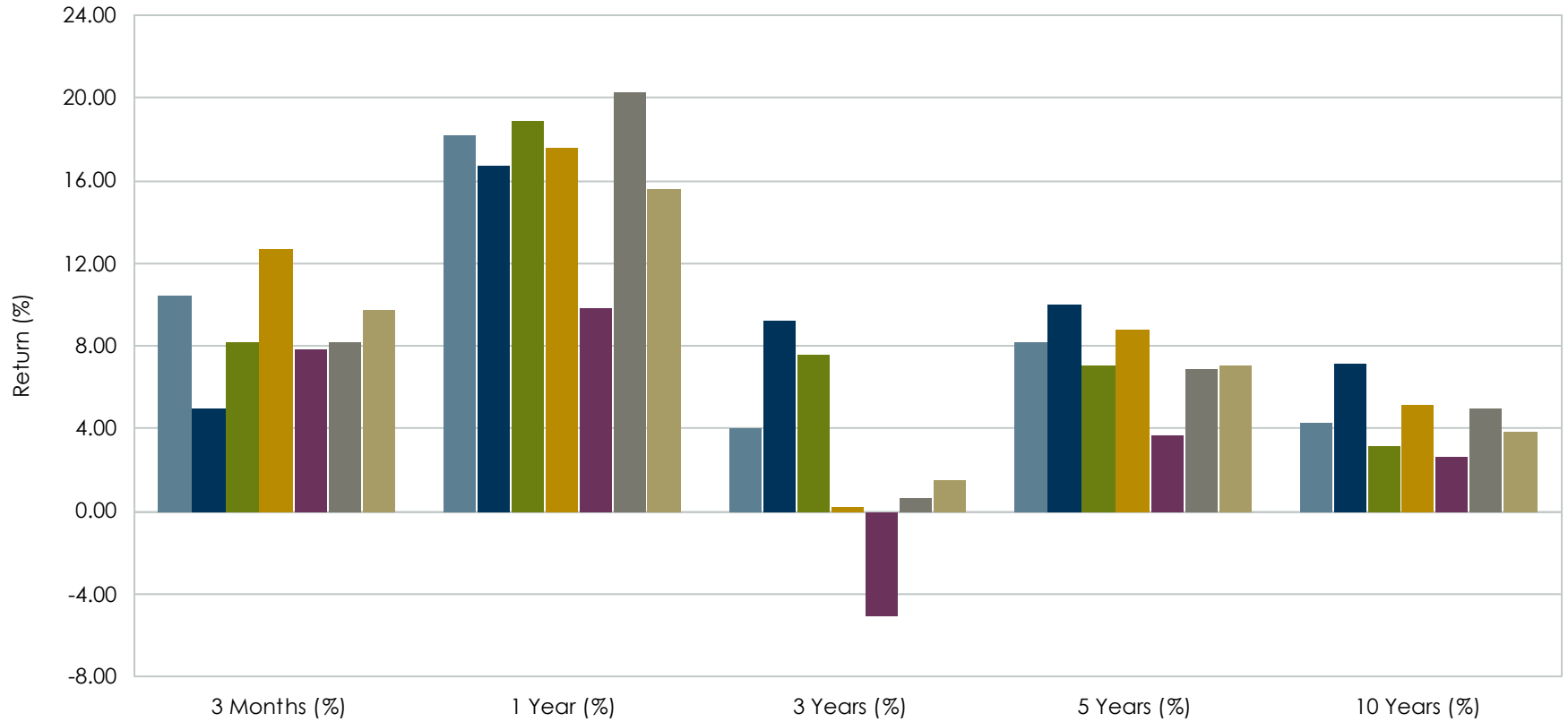
Numbers in parenthesis represent sector weightings of the index. Sector weights may not add to 100% due to rounding or securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Source: ACG Research, Bloomberg

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## Non-US Equity Index Returns

For the Periods Ending December 31, 2023

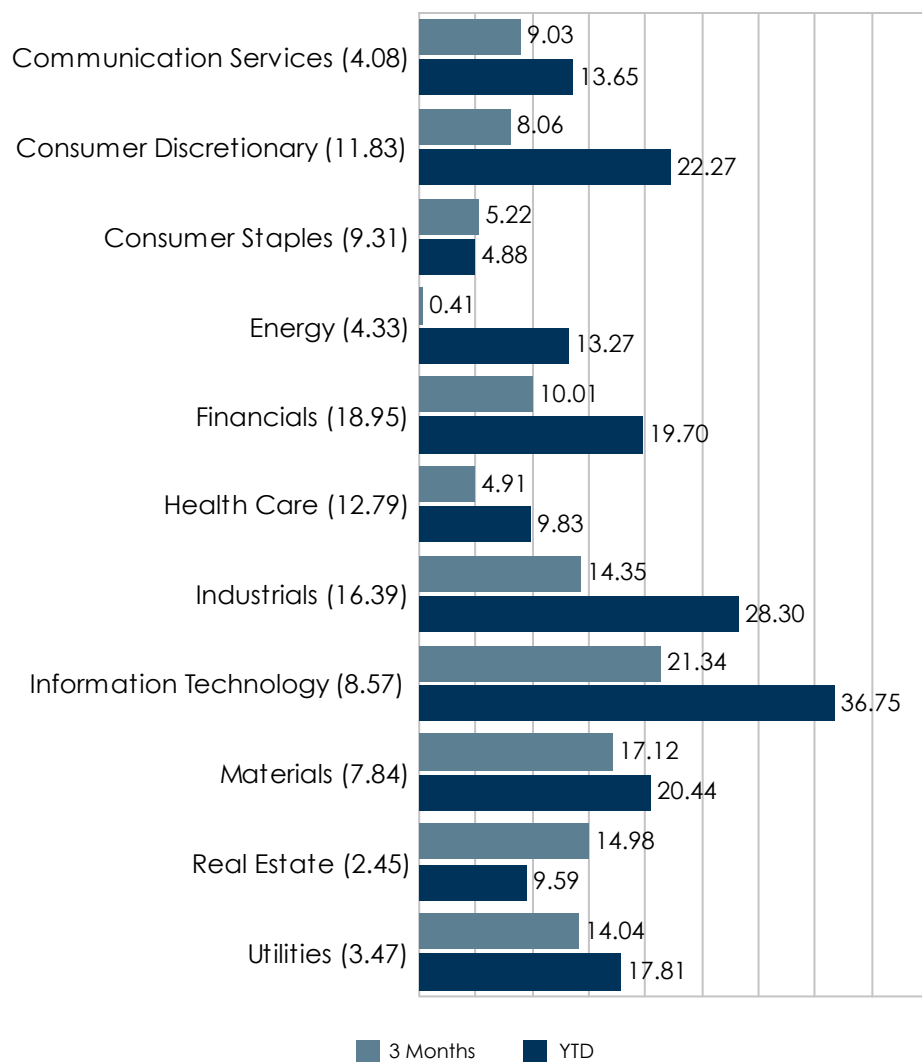


MSCI EAFE NetDiv	10.42	18.24	4.02	8.16	4.28
MSCI EAFE Local Currency	5.00	16.77	9.18	10.02	7.12
MSCI EAFE Value NetDiv	8.22	18.95	7.59	7.08	3.16
MSCI EAFE Growth NetDiv	12.72	17.58	0.26	8.81	5.15
MSCI EM NetDiv	7.86	9.83	-5.08	3.68	2.66
MSCI Japan NetDiv	8.19	20.32	0.66	6.91	4.97
MSCI ACWI ex US NetDiv	9.75	15.62	1.55	7.08	3.83

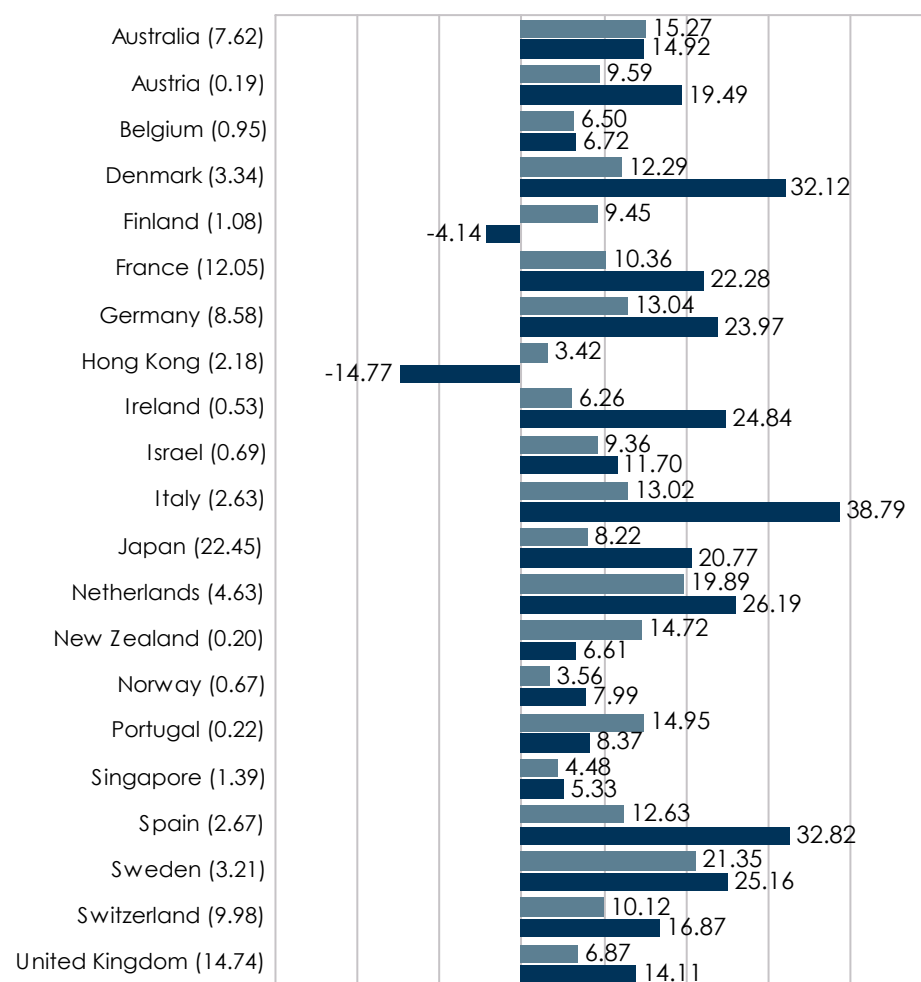
## Non-US Equity - Performance Breakdown

For the Periods Ending December 31, 2023

### MSCI EAFE - Sector Returns (%)



### MSCI EAFE - Country Returns (%)



Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

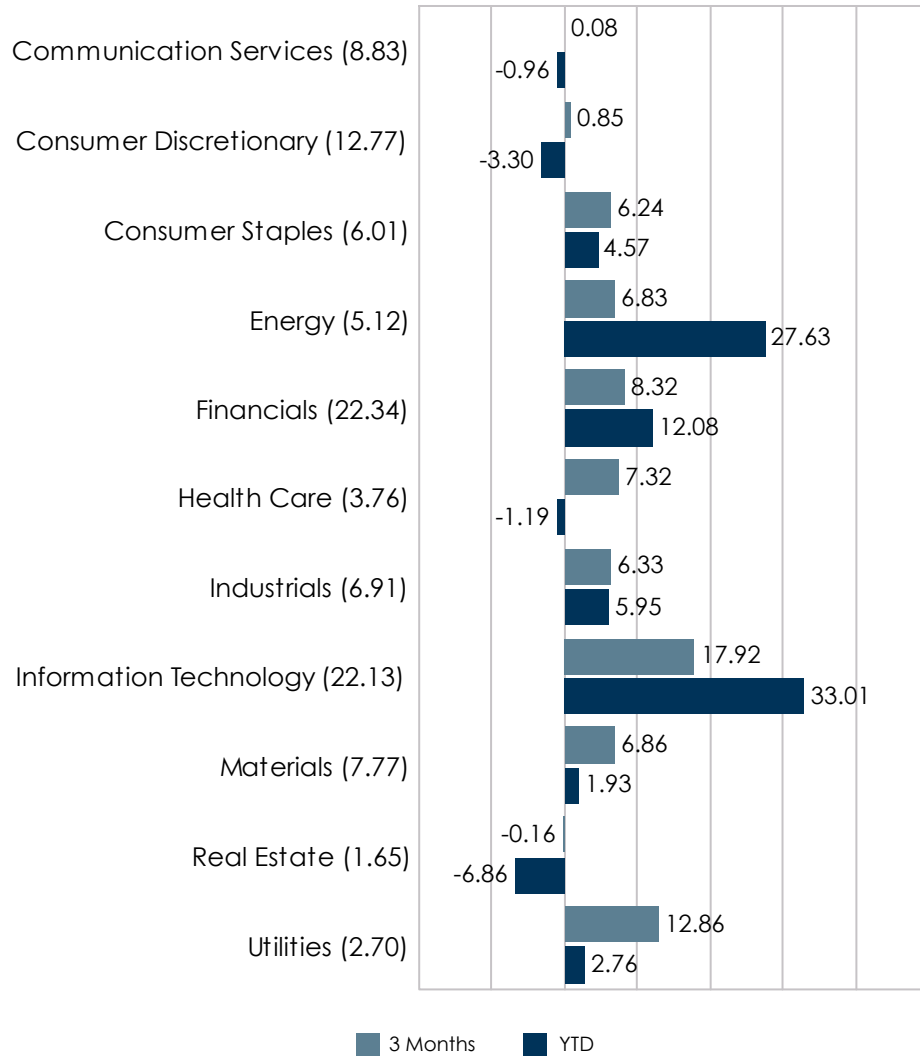
Source: ACG Research, Bloomberg

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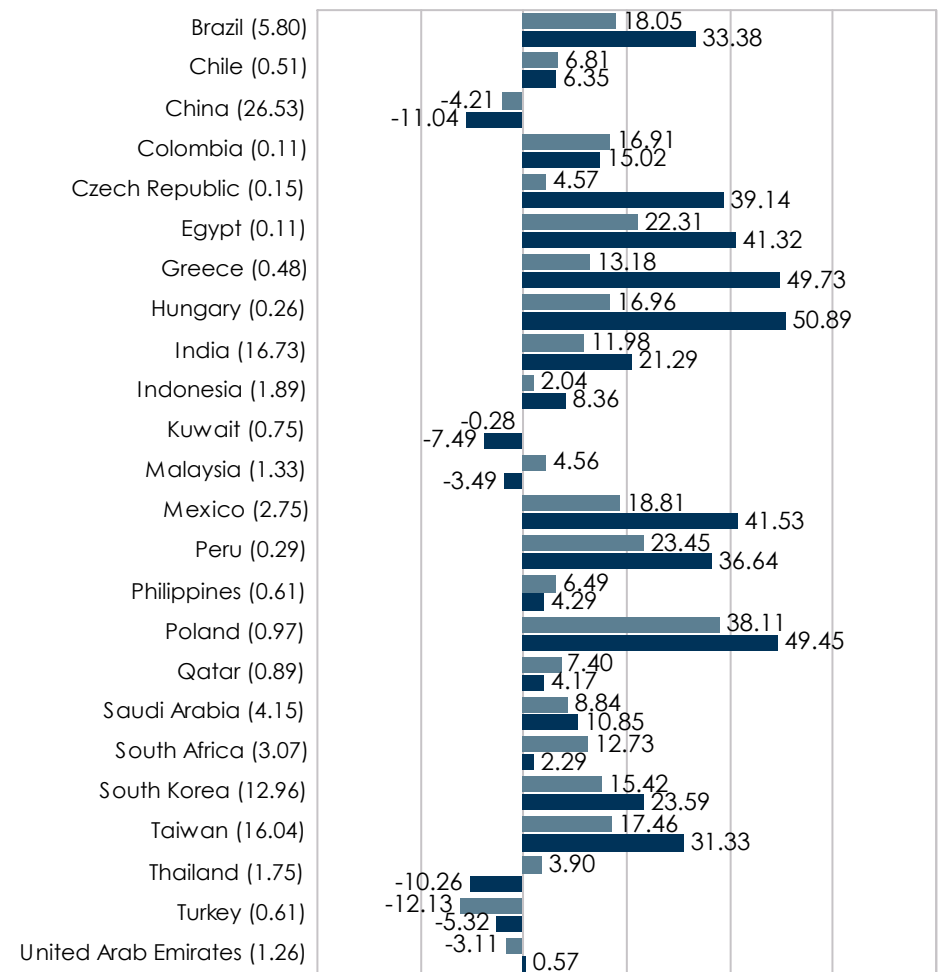
## Emerging Markets - Performance Breakdown

For the Periods Ending December 31, 2023

### MSCI Emerging Markets - Sector Returns (%)



### MSCI Emerging Markets - Country Returns (%)



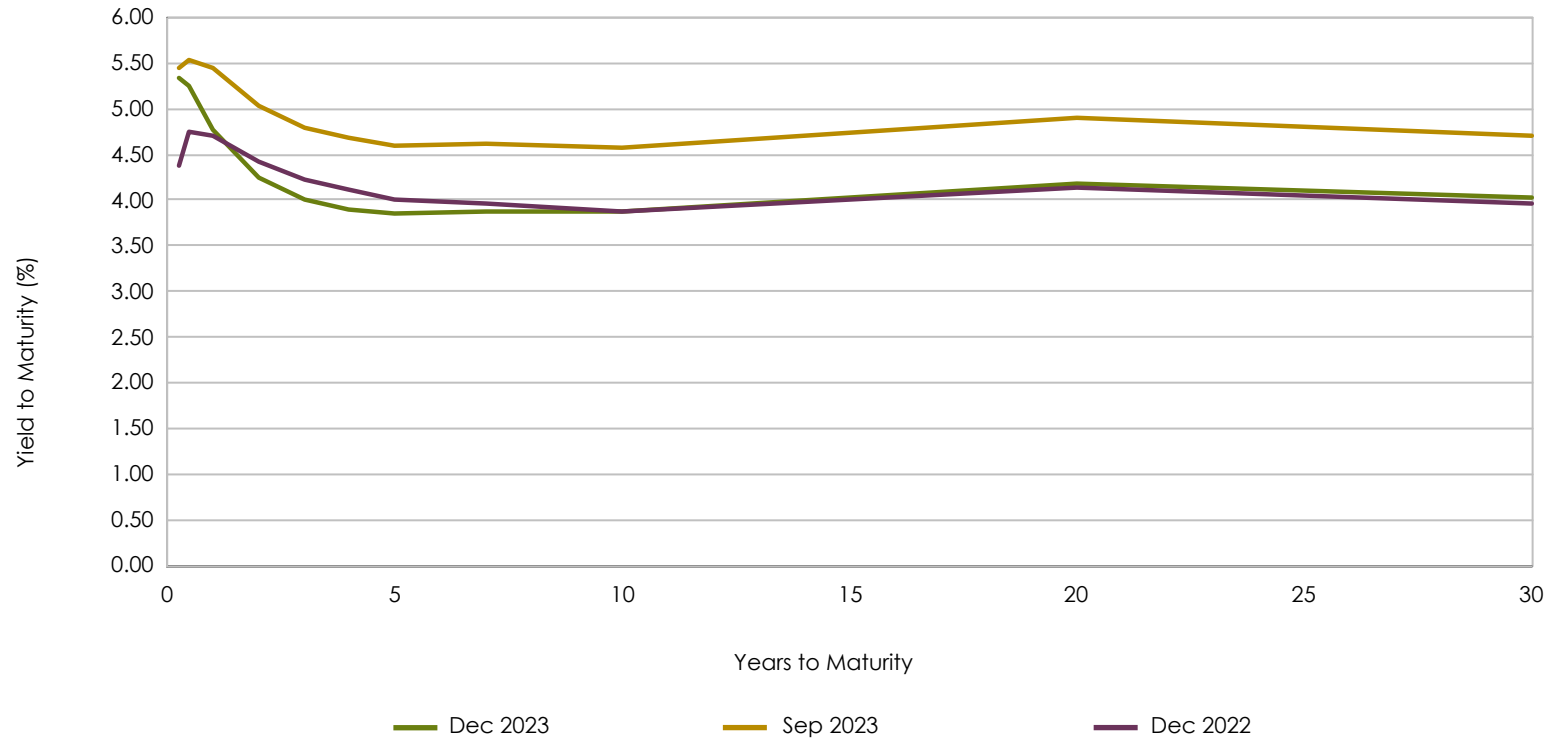
Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

Source: ACG Research, Bloomberg

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## Interest Rate Term Structure

Government Issues - 3 Months to 30 Years Maturity

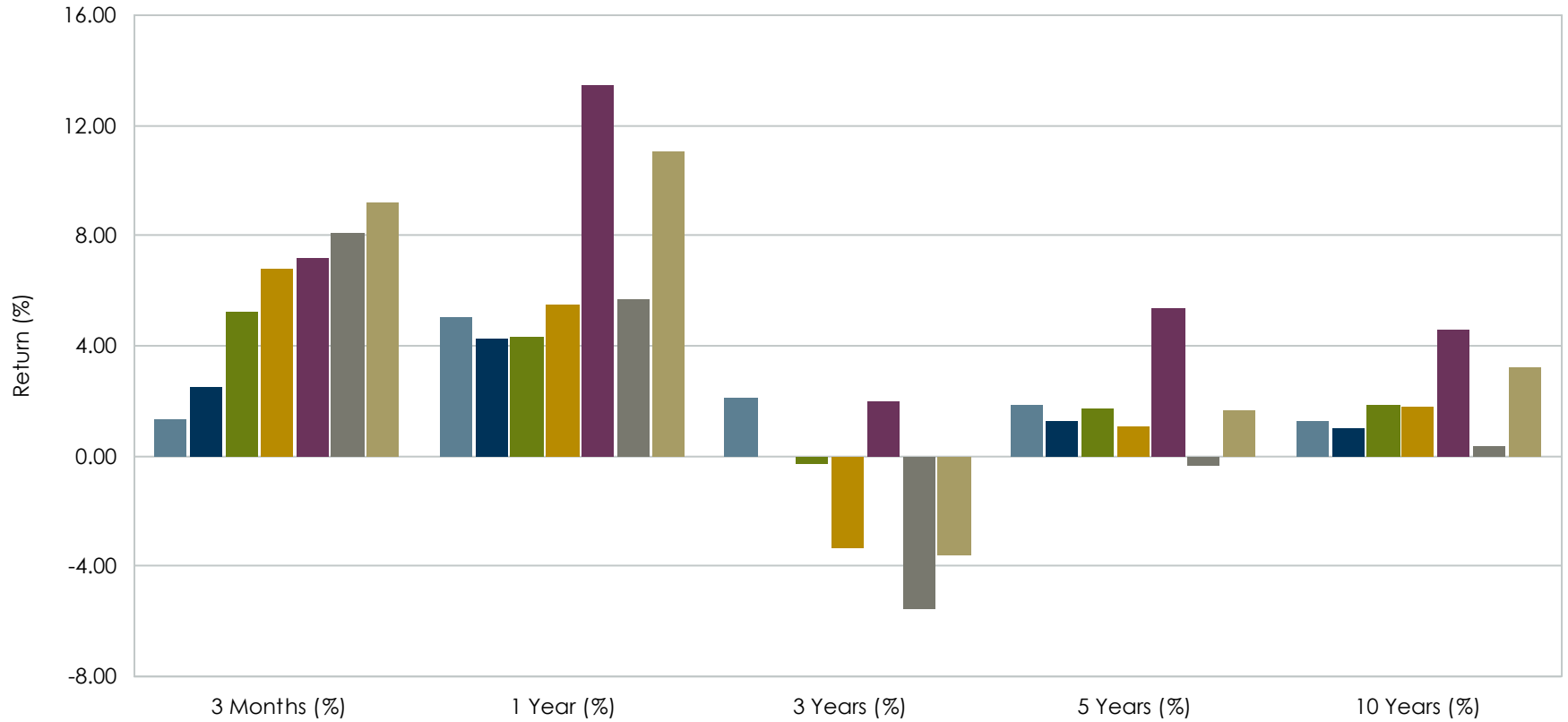


Term	Dec 2023	Sep 2023	Dec 2022
90 Days	5.34	5.45	4.37
180 Days	5.26	5.55	4.76
1 Year	4.77	5.46	4.71
2 Years	4.25	5.05	4.43
3 Years	4.01	4.80	4.23
4 Years	3.91	4.70	4.11
5 Years	3.85	4.61	4.00
7 Years	3.88	4.62	3.97
10 Years	3.88	4.57	3.88
20 Years	4.19	4.90	4.15
30 Years	4.03	4.70	3.97

Source: Bloomberg

## Fixed Income Index Returns

For the Periods Ending December 31, 2023



US T-Bills 90 Day	1.37	5.01	2.15	1.88	1.25
ICE BofA 1-3 Yr Treasury	2.48	4.25	-0.04	1.29	1.05
Bloomberg 5 Yr Municipal	5.22	4.31	-0.28	1.75	1.87
Bloomberg US Aggregate	6.82	5.53	-3.31	1.10	1.81
Bloomberg US Corp High Yield	7.16	13.45	1.98	5.37	4.60
Bloomberg Global Aggregate	8.10	5.72	-5.51	-0.32	0.38
JPM EMBI Global Diversified	9.17	11.09	-3.56	1.67	3.22



## US Fixed Income Market Environment

For the Periods Ending December 31, 2023

### Nominal Returns By Sector (%)

	<u>3 Months</u>	<u>YTD</u>	<u>3 Years</u>	<u>5 Years</u>
US Aggregate	6.82	5.53	-3.32	1.10
US Treasury	5.65	4.05	-3.82	0.53
US Agg: Gov't-Related	5.47	5.84	-2.43	1.43
US Corporate IG	8.51	8.52	-3.28	2.63
MBS	7.47	5.04	-2.85	0.26
CMBS	5.24	5.40	-2.46	1.67
ABS	3.49	5.56	0.23	1.92
US Corp High Yield	7.17	13.45	1.99	5.38

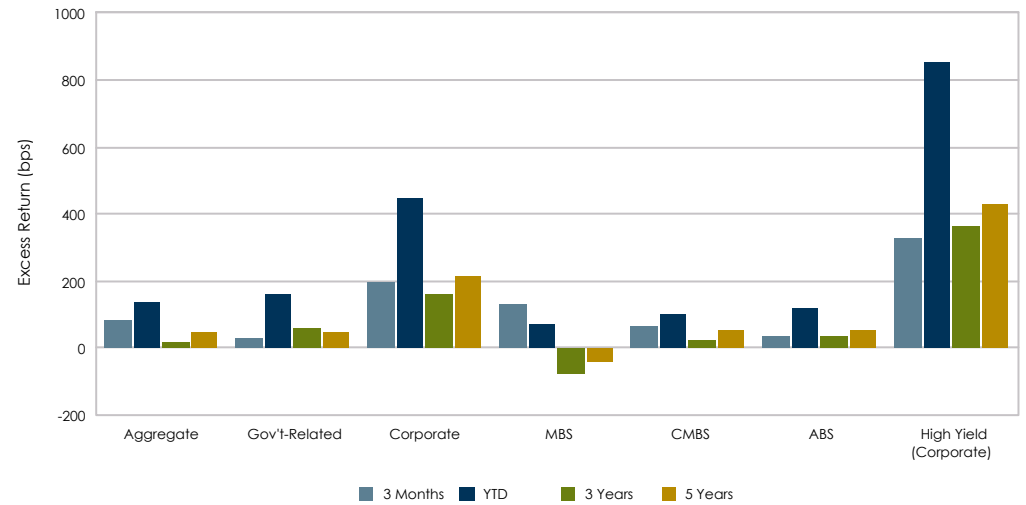
### Nominal Returns by Quality (%)

	<u>3 Months</u>	<u>YTD</u>	<u>3 Years</u>	<u>5 Years</u>
AAA	4.72	4.35	-3.37	0.48
AA	6.37	5.81	-3.83	1.11
A	8.14	7.68	-3.54	2.20
BAA	8.80	9.39	-2.88	3.13
BA	7.36	11.59	1.36	5.80
B	7.02	13.76	2.29	5.14
CAA	6.92	19.84	2.89	4.06

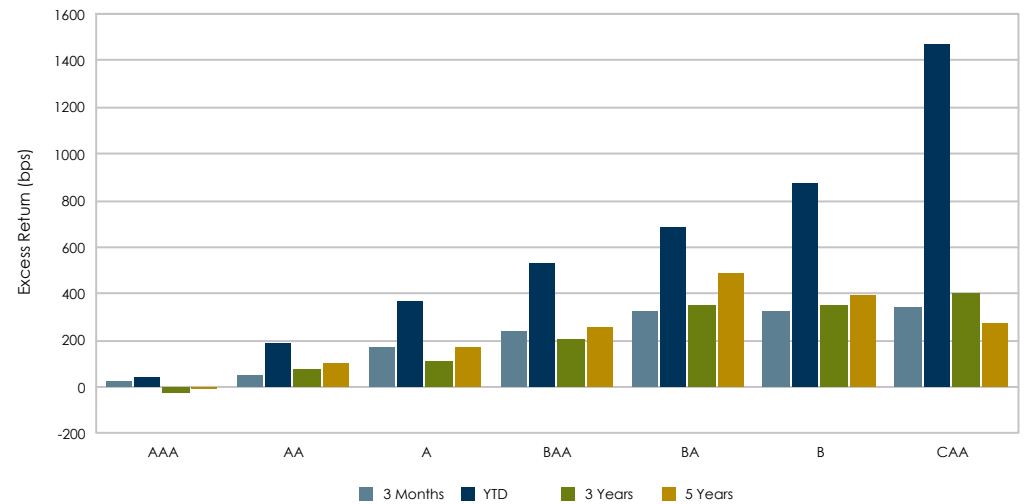
### Nominal Returns by Maturity (%)

	<u>3 Months</u>	<u>YTD</u>	<u>3 Years</u>	<u>5 Years</u>
1-3 Yr.	2.70	4.65	0.08	1.46
3-5 Yr.	4.61	5.26	-1.50	1.38
5-7 Yr.	6.18	5.48	-2.76	1.27
7-10 Yr.	7.81	5.36	-4.39	1.14
10+ Yr.	11.91	6.36	-8.91	0.97

### Excess Returns by Sector



### Excess Returns by Quality



Source: Bloomberg

Excess returns are relative to the duration-neutral Treasury.

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## Monthly Index Returns

For the Periods Ending December 31, 2023

Index Name	3 Months (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
<b>Equity</b>							
S&P 500	11.69	26.29	26.29	10.00	15.69	13.42	12.03
Russell 1000	11.96	26.53	26.53	8.97	15.52	13.21	11.80
Russell 1000 Growth	14.16	42.68	42.68	8.86	19.50	17.68	14.86
Russell 1000 Value	9.50	11.46	11.46	8.86	10.91	8.32	8.40
Russell 2500	13.35	17.42	17.42	4.24	11.67	8.98	8.36
Russell 2000	14.03	16.93	16.93	2.22	9.97	7.33	7.16
Russell 2000 Growth	12.75	18.66	18.66	-3.50	9.22	8.08	7.16
Russell 2000 Value	15.26	14.65	14.65	7.94	10.00	6.10	6.76
Wilshire 5000 Cap Wtd	12.10	26.14	26.14	10.30	16.26	13.55	12.09
MSCI ACWI NetDiv	11.03	22.20	22.20	5.75	11.72	10.05	7.93
MSCI ACWI ex US NetDiv	9.75	15.62	15.62	1.55	7.08	6.33	3.83
MSCI EAFE NetDiv	10.42	18.24	18.24	4.02	8.16	6.91	4.28
MSCI EAFE Local Currency	5.00	16.77	16.77	9.18	10.02	7.60	7.12
MSCI EAFE Growth NetDiv	12.72	17.58	17.58	0.26	8.81	7.99	5.15
MSCI EAFE Value NetDiv	8.22	18.95	18.95	7.59	7.08	5.52	3.16
MSCI EM NetDiv	7.86	9.83	9.83	-5.08	3.68	4.98	2.66
<b>Fixed Income</b>							
ICE BofA 1-3 Yr Treasury	2.48	4.25	4.25	-0.04	1.29	1.21	1.05
Bloomberg 5 Yr Municipal	5.22	4.31	4.31	-0.28	1.75	1.94	1.87
Bloomberg US Aggregate	6.82	5.53	5.53	-3.31	1.10	1.29	1.81
Bloomberg Gov't Bond	5.62	4.09	4.09	-3.74	0.56	0.85	1.27
Bloomberg US Credit	8.15	8.18	8.18	-3.21	2.45	2.30	2.83
Bloomberg 10 Yr Municipal	7.47	5.78	5.78	-0.07	2.57	2.86	3.22
Bloomberg US Corp High Yield	7.16	13.44	13.44	1.98	5.37	4.57	4.60
FTSE World Govt Bond	8.08	5.19	5.19	-7.18	-1.39	-0.09	-0.31
Bloomberg Global Aggregate	8.10	5.72	5.72	-5.51	-0.32	0.62	0.38
Bloomberg Multiverse	8.13	6.05	6.05	-5.26	-0.13	0.77	0.53
JPM EMBI Global Diversified	9.16	11.09	11.09	-3.56	1.67	1.97	3.22
<b>Real Assets</b>							
NCREIF Property	-3.02	-7.94	-7.94	4.57	4.34	5.05	6.80
NFI ODCE Net	-5.00	-12.73	-12.73	4.01	3.34	4.38	6.33
FTSE NAREIT Equity REITs	16.22	13.73	13.73	7.21	7.39	5.28	7.65
Bloomberg Commodity	-4.63	-7.91	-7.91	10.76	7.23	3.59	-1.11
<b>Cash and Equivalents</b>							
US T-Bills 90 Day	1.37	5.01	5.01	2.15	1.88	1.73	1.25

## Monthly Index Returns

For the Periods Ending January 31, 2024

Index Name	1 Month (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
<b>Equity</b>							
S&P 500	1.68	1.68	20.82	10.99	14.30	13.38	12.62
Russell 1000	1.39	1.39	20.23	9.78	13.99	13.11	12.32
Russell 1000 Growth	2.49	2.49	34.99	10.03	18.04	17.53	15.48
Russell 1000 Value	0.10	0.10	6.08	9.23	9.28	8.22	8.80
Russell 2500	-2.62	-2.62	3.96	2.50	8.69	8.36	8.32
Russell 2000	-3.89	-3.89	2.40	-0.76	6.80	6.67	7.03
Russell 2000 Growth	-3.21	-3.21	4.46	-6.03	6.17	7.33	7.00
Russell 2000 Value	-4.54	-4.54	-0.09	4.48	6.74	5.50	6.68
Wilshire 5000 Cap Wtd	1.07	1.07	19.26	10.81	14.59	13.44	12.57
MSCI ACWI NetDiv	0.59	0.59	14.70	6.12	10.16	9.71	8.43
MSCI ACWI ex US NetDiv	-0.99	-0.99	5.88	1.14	5.32	5.65	4.21
MSCI EAFE NetDiv	0.58	0.58	10.01	4.59	6.92	6.56	4.77
MSCI EAFE Local Currency	2.62	2.62	12.71	10.27	9.42	7.98	7.77
MSCI EAFE Growth NetDiv	1.19	1.19	9.66	1.12	7.71	7.66	5.76
MSCI EAFE Value NetDiv	-0.07	-0.07	10.35	7.85	5.69	5.15	3.53
MSCI EM NetDiv	-4.64	-4.64	-2.94	-7.50	0.99	3.48	2.86
<b>Fixed Income</b>							
ICE BofA 1-3 Yr Treasury	0.40	0.40	3.95	0.09	1.32	1.25	1.08
Bloomberg Municipal	-0.51	-0.51	2.90	-0.78	2.00	2.39	2.78
Bloomberg US Aggregate	-0.27	-0.27	2.10	-3.17	0.83	1.22	1.63
Bloomberg Gov't Bond	-0.27	-0.27	1.30	-3.53	0.41	0.78	1.11
Bloomberg US Credit	-0.18	-0.18	4.02	-2.88	1.97	2.23	2.64
Bloomberg 10 Yr Municipal	-0.50	-0.50	2.49	-0.43	2.24	2.68	2.97
Bloomberg US Corp High Yield	0.00	0.00	9.28	1.87	4.44	4.35	4.52
FTSE World Govt Bond	-1.55	-1.55	0.35	-7.26	-1.97	-0.45	-0.60
Bloomberg Global Aggregate	-1.38	-1.38	0.94	-5.67	-0.89	0.26	0.13
Bloomberg Multiverse	-1.34	-1.34	1.27	-5.41	-0.73	0.40	0.30
<b>Real Assets</b>							
Bloomberg Commodity	0.40	0.40	-7.09	9.96	6.18	3.62	-1.10
<b>Cash and Equivalents</b>							
US T-Bills 90 Day	0.43	0.43	5.13	2.29	1.93	1.79	1.29

## **Total Portfolio Performance Summary**

### Equity

	Value	Core	Growth
<b>US Large Cap</b>	Vanguard Windsor II Adm (VWNAX)	Vanguard Institutional Index I (VINIX) Vanguard FTSE Social Index Adm (VFTAX)	Vanguard PRIMECAP Adm (VPMAX)
<b>US Mid/ Small Cap</b>		Eaton Vance Atlanta Capital SMID-Cap I (ERASX) Vanguard Small Cap Index Adm (VSMAX)	
<b>International / Global Equity</b>		Vanguard Total Intl Stock Index Adm (VTIAX) Vanguard All World ex-US Small Cap Adm (VFSAX) Vanguard Emerging Mkts Stock Index Adm (VEMAX)	

### Fixed Income

	Short - Term	Intermediate-Term	Long - Term
<b>Domestic Fixed Income</b>	Vanguard Federal Money Market (VMFXX) Vanguard Retirement Savings Trust	Vanguard Total Bond Market Index I (VBTLX) Vanguard Inter-Term IG Adm (VFIDX)	
<b>International Fixed Income</b>		Vanguard Total Int'l Bond Index Adm (VTABX)	

### Real Assets

<b>Real Estate</b>	Vanguard REIT Index Signal (VGSLX)
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### Balanced Funds

	Conservative	Moderate	Aggressive
<b>Risk Based</b>		Vanguard Wellington (VWENX)	
<b>Age-Based</b>	Vanguard Target Retirement Income Fund (VTINX) Vanguard Target Retirement 2020 Fund (VTWNX) Vanguard Target Retirement 2025 Fund (VTTVX) Vanguard Target Retirement 2030 Fund (VTHR)	Vanguard Target Retirement 2035 Fund (VTTHX) Vanguard Target Retirement 2040 Fund (VFORX) Vanguard Target Retirement 2045 Fund (VTIVX) Vanguard Target Retirement 2050 Fund (VFIFX)	Vanguard Target Retirement 2055 Fund (VFFVX) Vanguard Target Retirement 2060 Fund (VTTSX) Vanguard Target Retirement 2065 Fund (VLXVX)

**Total Portfolio Market Values**

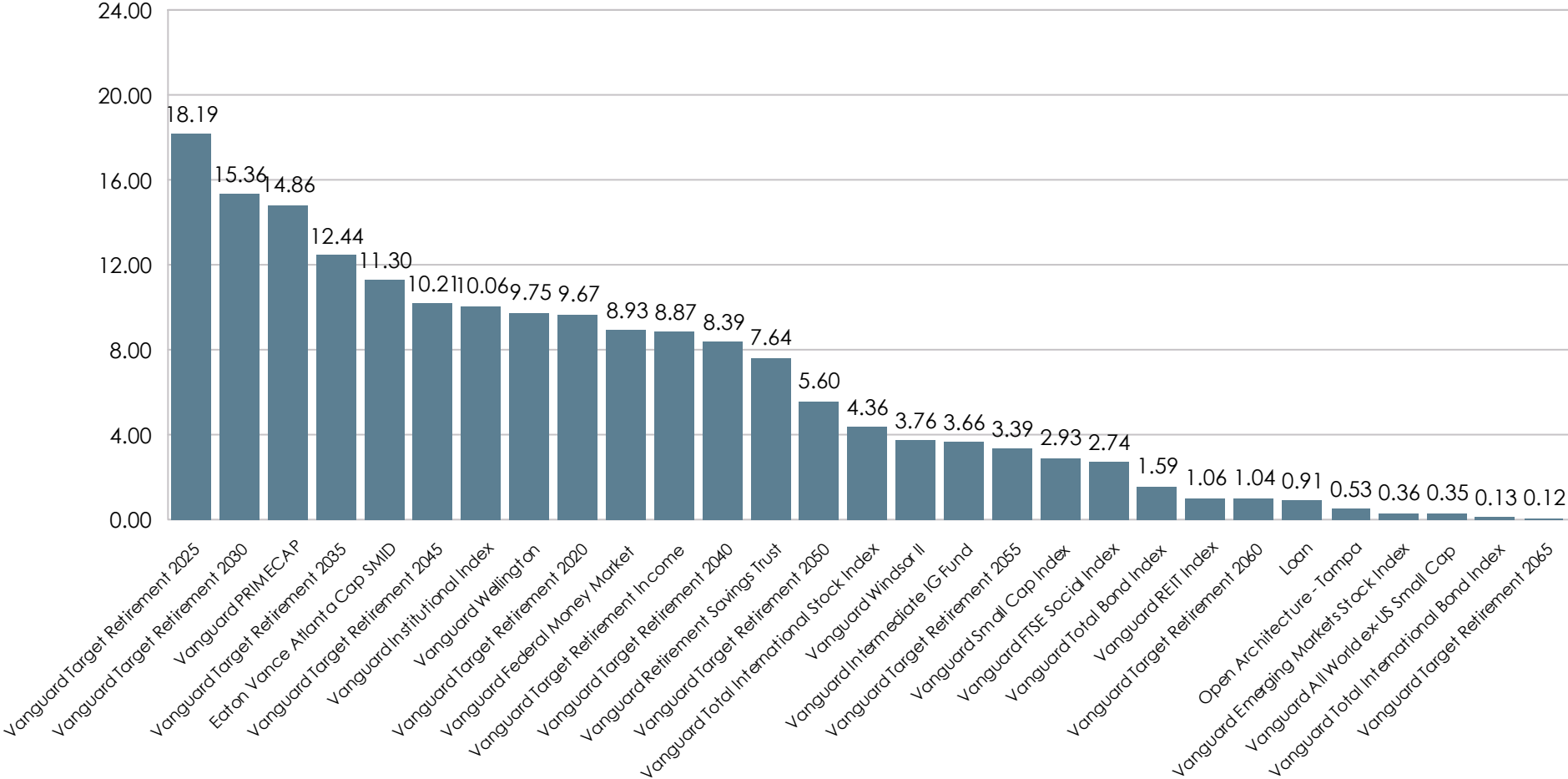
	As of Dec-23 (\$)	Actual Allocation (%)	As of Sep-23 (\$)	Actual Allocation (%)	As of Dec-22 (\$)	Actual Allocation (%)
<b>Total Portfolio</b>	<b>178,205,798</b>	<b>100.00</b>	<b>161,431,340</b>	<b>100.00</b>	<b>148,170,781</b>	<b>100.00</b>
Vanguard Windsor II	3,763,088	2.11	3,341,158	2.07	3,078,800	2.08
Vanguard FTSE Social Index	2,740,787	1.54	2,486,954	1.54	1,929,343	1.30
Vanguard Institutional Index	10,056,952	5.64	8,715,373	5.40	7,874,840	5.31
Vanguard PRIMECAP	14,859,378	8.34	13,328,116	8.26	12,096,135	8.16
Eaton Vance Atlanta Cap SMID	11,299,593	6.34	10,089,597	6.25	10,190,254	6.88
Vanguard Small Cap Index	2,929,998	1.64	2,555,748	1.58	2,311,760	1.56
Vanguard Total International Stock Index	4,361,237	2.45	3,929,883	2.43	3,812,776	2.57
Vanguard All World ex-US Small Cap	354,856	0.20	314,831	0.20	300,292	0.20
Vanguard Emerging Markets Stock Index	358,291	0.20	261,168	0.16	272,904	0.18
Vanguard Intermediate IG Fund	3,660,241	2.05	3,396,563	2.10	3,543,847	2.39
Vanguard Total Bond Index	1,588,130	0.89	1,489,690	0.92	1,529,932	1.03
Vanguard Retirement Savings Trust	7,644,453	4.29	7,295,233	4.52	8,302,675	5.60
Vanguard Total International Bond Index	125,582	0.07	115,391	0.07	93,300	0.06
Vanguard Federal Money Market	8,930,953	5.01	8,735,542	5.41	6,318,004	4.26
Vanguard REIT Index	1,056,151	0.59	939,570	0.58	1,100,883	0.74
Vanguard Wellington	9,747,540	5.47	9,236,285	5.72	9,000,529	6.07
Vanguard Target Retirement Income	8,871,195	4.98	8,868,291	5.49	8,882,135	5.99
Vanguard Target Retirement 2020	9,667,333	5.42	8,922,560	5.53	9,307,331	6.28
Vanguard Target Retirement 2025	18,191,814	10.21	16,587,411	10.28	15,637,260	10.55
Vanguard Target Retirement 2030	15,363,585	8.62	13,432,194	8.32	11,813,999	7.97
Vanguard Target Retirement 2035	12,443,738	6.98	10,839,543	6.71	9,492,724	6.41
Vanguard Target Retirement 2040	8,391,261	4.71	7,421,397	4.60	5,738,515	3.87
Vanguard Target Retirement 2045	10,206,190	5.73	9,076,735	5.62	7,959,334	5.37
Vanguard Target Retirement 2050	5,596,877	3.14	4,892,624	3.03	3,867,754	2.61
Vanguard Target Retirement 2055	3,387,478	1.90	2,842,427	1.76	2,274,716	1.54
Vanguard Target Retirement 2060	1,043,147	0.59	845,711	0.52	655,639	0.44
Vanguard Target Retirement 2065	121,670	0.07	88,014	0.05	22,937	0.02
Open Architecture - Tampa	531,551	0.30	448,545	0.28	0	0.00
Loan	912,727	0.51	934,788	0.58	762,163	0.51

**FMPTF Participant Directed Mutual Fund Program**

For the Period Ending December 31, 2023

**Manager Allocation**

(Market Value in \$M illions)



**Total Market Value: \$178,205,798**

**Florida Municipal Pension Trust Fund  
Participant Directed Mutual Fund Program  
Executive Summary  
Period Ended December 31, 2023**

Vanguard Windsor II (VWNAX) – Page 38

This Morningstar four-star rated, large cap value-oriented equity fund searches for low priced, high dividend paying stocks and is implemented through a strong cadre of capable managers, including Aristotle Capital Management, Hotchkis and Wiley, Sanders Capital and Lazard Asset Management. This fund outpaced the Russell 1000 Value by 174 basis points on average annually and ranks in the top 7<sup>th</sup> percentile relative to its peer group of large cap value managers over the past 10 years.

Vanguard FTSE Social Index (VFTAX) – Page 40

This Morningstar three-star rated fund was added to the fund lineup in May 2019 to allow participants to invest in a socially-conscious manner. It employs an investment approach that emphasizes companies that have been screened for certain social and environmental criteria. This fund has posted strong absolute returns over the past 10 years, rising 12.51%, outpacing the Russell 1000 Index and ranking in the top 2<sup>nd</sup> percentile of its peer group of large cap equity managers.

Vanguard Institutional Index (VINIX) – Page 42

This passively-managed fund has a five-star rating from Morningstar, and is focused on providing performance in line with the broad large cap domestic equity market as measured by the S&P 500 Index, with a similar risk profile and very efficient fee structure. This fund has matched the risk-return profile of the S&P 500 over all time periods.

Vanguard PRIMECAP (VPMAX) – Page 44

This four-star rated fund is tasked with providing excess returns in the large cap growth equity segment of the domestic market, as a complement to a similar value option within the plan. This fund has outpaced the Russell 1000 Growth by 102 basis points over the past 3 years and ranks in the top 4<sup>th</sup> percentile of its peer group. Despite being modestly out of line with the benchmark over the past 5 years, this fund has achieved a 13.07% average annual return and ranks in the top 30<sup>th</sup> percentile of its peer group over the past 10 years.

EV Atlanta Capital SMID (ERASX) – Page 46

This five-star rated fund focuses on identifying seasoned, high quality small-to-mid capitalization U.S. companies with solid balance sheets and experienced management teams. Despite the near term struggles, this fund has achieved strong results relative to the Russell 2500 over the past 3-5 years, continuing its impressive track record of success over the long term. This fund has outperformed the benchmark by 289 basis points on average annually and ranks in the top 2<sup>nd</sup> percentile of its peer group over the last 10 years.

Vanguard Small Cap Index (VSMAX) – Page 48

This fund has a four-star rating from Morningstar, and is focused on providing performance in line with the small cap domestic equity market as measured by the CRSP US Small Cap Index, with a similar risk profile and very efficient fee structure. Over the last 10 years, this fund has performed in line with the benchmark, and ranks in the top 15<sup>th</sup> percentile of its peer group.



#### Vanguard All World ex-US Small Cap (VFSAX) – Page 50

This Morningstar three star rated index fund was added to the fund lineup in May 2019 to provide low-cost exposure to small capitalization companies located in non-U.S. developed markets. This fund is subject to currency risk and country risk, and may experience heightened volatility because of its focus on small cap stocks. While this fund has trailed the MSCI ACWI ex US SC Net, this fund has achieved a 3.89% return on average annually over the past 10 years.

#### Vanguard Emerging Markets Stock Index (VEMAX) – Page 52

This fund was added to the fund lineup in May 2019. This fund is rated four stars by Morningstar, and employs an indexing investment approach to give investors a low cost exposure to emerging markets countries. This fund serves as an opportunity for investors to diversify their exposure to the international markets. Despite being slightly behind objectives over the past 3-5 years, this fund has performed in line with the MSCI Diversified Emerging Markets Index on a risk-adjusted basis over the past 10 years.

#### Vanguard Total International Stock Index (VTIAX) – Page 54

This Morningstar three star rated fund is focused on providing performance in line with the broad international equity market as measured by the FTSE Global All Cap Ex-US Index, with a similar risk profile and very efficient fee structure. This fund has performed in line with the benchmark on a risk adjusted basis over the last 10 years.

#### Vanguard Intermediate Investment Grade Fund (VFIDX) – Page 56

This actively managed fund is rated three stars by Morningstar and was added to the fund lineup in May 2019. It seeks to provide a moderate and sustainable level of current income by providing diversified exposure to medium and high quality investment grade bonds with a dollar-weighted average maturity of 5-10 years. This fund has outperformed the Bloomberg US Credit Intermediate benchmark over the last 10 years and ranks in the top 3<sup>rd</sup> percentile of its peer group of intermediate core bond managers.

#### Vanguard Total Bond Market Index (VBTLX) – Page 58

This fund is rated three stars by Morningstar and has the objective of providing performance in line with the broad domestic bond markets as measured by the Bloomberg Aggregate Index, with a similar risk profile and very efficient fee structure. This fund has performed in line with the risk-return profile of the benchmark over the past 10 years.

#### Vanguard Retirement Savings Trust – Page 60

This fund seeks to provide a high level of current and stable income by investing in synthetic investment contracts backed by high-quality fixed income investments and traditional investments issued by insurance companies and banks, with a goal of maintaining a net asset value of \$1 per share. This fund has managed to outperform the US 90 Day T-Bills by 65 basis points over the past 10 years.

#### Vanguard Total International Bond Index (VTABX) – Page 61

This Morningstar three-star rated fund was added to the fund lineup in May 2019. It seeks to provide broad exposure to non-US investment-grade bonds and serves as a complement to the other US fixed income options in the lineup. This fund is exposed to country/regional risk but utilizes currency hedging strategies to limit exchange rate risk. This fund has approximated the risk and return of the Bloomberg Global Aggregate US Hedged benchmark over the past 10 years and ranks in the top 31<sup>st</sup> percentile of its peer group of global bond managers.

#### Vanguard Federal Money Market (VMFXX) – Page 63

This fund seeks a high level of current income by investing in high-quality money market instruments, with an average maturity of 90 days or less and a goal of maintaining a net asset value of \$1 per share.

#### Vanguard REIT Index (VGSLX) – Page 64

This Morningstar three star rated fund is designed to track the performance of the domestic real estate investment trust (REIT) market. The fund has performed in line with the FTSE NAREIT Index on a risk-adjusted basis over the past 5-10 years.

#### Vanguard Wellington (VWENX) – Page 66

This balanced equity and fixed income fund carries a four-star rating by Morningstar given its long history of outperforming objectives. The bond portfolio typically emphasizes high quality issues, while the equity portfolio focuses on dividend-paying companies with modest valuations. The mix between stocks and bonds can change over time depending on the manager's view of opportunities in the marketplace, with the current allocation at 65% stocks and 35% cash/bonds. This fund is in line with objectives, ranking in the top 8<sup>th</sup> percentile of its peer group over the past 10 years.

#### Vanguard Target Retirement Income (VTINX) – Page 68

This fund carries a four-star rating from Morningstar and is designed primarily for investors that are currently in retirement. The fund has a conservative allocation for those investors seeking current income and safety of principal more than capital appreciation. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds which are diversified by asset class, geography and quality. The asset allocation of this fund is currently 72% fixed income/cash and 28% equity. Despite the near term struggles, the fund has outpaced the benchmark over the past 10 years.

#### Vanguard Target Retirement 2020 (VTWNX) – Page 70

This Morningstar four star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2020. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 62% fixed income/cash and 38% equity. This fund has managed to outpace the benchmark and ranks in the top 18<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2025 (VTTVX) – Page 72

This fund carries a four-star rating from Morningstar and provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2025. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 49% fixed income/cash and 51% equity. Despite the near term struggles, the fund has outpaced the benchmark and ranked in the top 9<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2030 (VTHR) – Page 74

This Morningstar four-star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2030. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of Vanguard fee-efficient mutual funds. The current asset allocation of this fund is 40% fixed income/cash and 60% equity. Despite the near term struggles, the fund has outpaced the benchmark and ranked in the top 17<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2035 (VTTH) – Page 76

This fund carries a four-star rating from Morningstar and provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2035. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 32% fixed income/cash and 68% equity. Despite the near term struggles, the fund has outpaced the benchmark and ranked in the top 26<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2040 (VFOR) – Page 78

This Morningstar four star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2040. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 25% fixed income/cash and 75% equity. Despite the near term struggles, the fund has outpaced the benchmark and ranked in the top 29<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2045 (VTIV) – Page 80

This fund carries a four-star rating from Morningstar and provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2045. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 18% fixed income/cash and 82% equity. The fund has outpaced the benchmark and ranked in the top 23<sup>rd</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2050 (VFIF) – Page 82

This Morningstar four-star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2050. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 12% fixed income/cash and 88% equity. The fund has outpaced the benchmark and ranked in the top 22<sup>nd</sup> percentile of its peer group of target date funds over the past 10 years.

#### Vanguard Target Retirement 2055 (VFFV) – Page 84

This Morningstar four-star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2055. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 12% fixed income/cash and 88% equity. Despite the near term struggles, the fund has ranked in the top 25<sup>th</sup> percentile of its peer group of target date funds over the past 10 years.

Vanguard Target Retirement 2060 (VTTSX) – Page 86

This Morningstar four-star rated fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2060. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 12% fixed income/cash and 88% equity. Despite the near term struggles, the fund has ranked in the top 2<sup>nd</sup> percentile of its peer group of target date funds over the past 10 years.

Vanguard Target Retirement 2065 (VLXVX) – Page 88

This Morningstar three-star fund provides a shifting mix of stocks and bonds to investors that intend to retire in or around 2065. The fund's asset allocation becomes more conservative as it approaches its target date and into retirement, putting an increasingly greater emphasis on income. The fund's assets are invested in an underlying blend of fee-efficient Vanguard mutual funds. The current asset allocation of this fund is 12% fixed income/cash and 88% equity. Despite the near term struggles, the fund ranked in the top 38<sup>th</sup> percentile of its peer group of target date funds over the past 6 years.

**Fund Evaluation**

For the Periods Ending December 31, 2023

Active Managers	Strategy	Morningstar Rating 3 or Better	3 Year Return > Benchmark	5 Year Return > Benchmark	3 Year Peer Ranking > 50%	5 Year Peer Ranking > 50%	Peer Ranking > 50% in 2 of last 3 rolling 1 Year intervals	Comments
Vanguard Windsor II	US Large Cap Value Equity	YES	YES	YES	YES	YES	YES	
Vanguard PRIMECAP	US Large Cap Growth Equity	YES	YES	NO	YES	NO	YES	
Eaton Vance Atlanta Capital SMID-Cap I	US Small/Mid Value Equity	YES	YES	YES	YES	YES	NO	
Vanguard Intermediate IG Fund	US Intermediate IG Fixed Income	YES	NO	YES	YES	YES	YES	
Vanguard Retirement Savings	Stable Value Fixed Income	YES	NO	YES	NO	NO	YES	
Vanguard Wellington	Moderate Balanced	YES	YES	NO	YES	YES	YES	

Passive Managers	Strategy	Morningstar Rating 3 or Better	3 Year Return = Benchmark	5 Year Return = Benchmark	3 Year Risk = Benchmark	5 Year Risk = Benchmark	Comments
Vanguard FTSE Social Index	US Large Cap Equity	YES	YES	YES	NO	YES	
Vanguard Institutional Index	US Large Cap Equity	YES	YES	YES	YES	YES	
Vanguard Small Cap Index	US Small Cap Equity	YES	YES	YES	YES	YES	
Vanguard Total Intl Stock Index	International All-Cap Equity	YES	NO	YES	YES	YES	
Vanguard All World ex US Small Cap	International Small-Cap Equity	YES	NO	NO	YES	YES	
Vanguard Emerging Markets Stock Index	Emerging Markets Equity	YES	NO	NO	NO	YES	Based on long-term results, we continue to have conviction in this manager.
Vanguard Total Bond Index	US Core Fixed Income	YES	YES	YES	YES	YES	
Vanguard Total Int'l Bond Index	International Fixed Income	YES	NO	NO	YES	YES	
Vanguard REIT Index	US REIT	YES	NO	YES	YES	YES	

Target Retirement Managers	Strategy	Morningstar Rating 3 or Better	3 Year Return > Benchmark	5 Year Return > Benchmark	3 Year Sharpe Ratio > Benchmark	5 Year Sharpe Ratio > Benchmark	Comments
Vanguard Target Retirement Income	Balanced	YES	NO	NO	NO	NO	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2020	Balanced	YES	NO	YES	NO	YES	
Vanguard Target Retirement 2025	Balanced	YES	NO	YES	NO	NO	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2030	Balanced	YES	NO	NO	NO	NO	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2035	Balanced	YES	NO	NO	NO	NO	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2040	Balanced	YES	NO	NO	NO	YES	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2045	Balanced	YES	NO	YES	NO	YES	
Vanguard Target Retirement 2050	Balanced	YES	NO	YES	NO	YES	
Vanguard Target Retirement 2055	Balanced	YES	NO	NO	NO	YES	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2060	Balanced	YES	NO	NO	NO	YES	Based on long-term results, we continue to have conviction in this manager.
Vanguard Target Retirement 2065	Balanced	YES	NO	NO	NO	NO	Based on long-term results, we continue to have conviction in this manager.

Performance is calculated using net of fee returns.  
 Information is based on manager composite returns when client specific information unavailable.  
 Passive Managers to be within 10% of return and risk of benchmark

## Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Equity</b>									
<b>US Equity</b>									
<b>US Large Cap Value</b>									
<b>Vanguard Windsor II *</b>	<b>11.74</b>	<b>21.07</b>	<b>10.72</b>	<b>14.96</b>	<b>11.53</b>	<b>10.14</b>	<b>VWNAX</b>	<b>0.26</b>	<b>4</b>
<i>Russell 1000 Value</i>	9.50	11.46	8.86	10.91	8.32	8.40			
<i>Difference (+/-)</i>	2.24	9.61	1.86	4.05	3.21	1.74			
<i>Median MF US Large Cap Value Net</i>	9.51	11.11	9.60	11.23	8.80	8.29			
<i>Rank</i>	12	4	31	5	5	7			
<b>US Large Cap Core</b>									
<b>Vanguard FTSE Social Index *</b>	<b>13.20</b>	<b>31.79</b>	<b>8.45</b>	<b>15.95</b>	<b>14.07</b>	<b>12.51</b>	<b>VFTAX</b>	<b>0.14</b>	<b>3</b>
<i>Russell 1000</i>	11.96	26.53	8.97	15.52	13.21	11.80			
<i>Difference (+/-)</i>	1.24	5.26	-0.52	0.43	0.86	0.71			
<i>Median MF US Large Cap Blend Net</i>	11.63	24.30	8.93	14.48	12.13	10.69			
<i>Rank</i>	9	4	63	14	7	2			
<b>Vanguard Institutional Index *</b>	<b>11.68</b>	<b>26.24</b>	<b>9.96</b>	<b>15.66</b>	<b>13.38</b>	<b>12.00</b>	<b>VINIX</b>	<b>0.04</b>	<b>5</b>
<i>S&amp;P 500</i>	11.69	26.29	10.00	15.69	13.42	12.03			
<i>Difference (+/-)</i>	-0.01	-0.05	-0.04	-0.03	-0.04	-0.03			
<i>Median MF US Large Cap Blend Net</i>	11.63	24.30	8.93	14.48	12.13	10.69			
<i>Rank</i>	46	25	26	18	15	8			

\* Performance and statistics are presented net of fees.

## Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>US Large Cap Growth</b>									
<b>Vanguard PRIMECAP *</b>	<b>9.98</b>	<b>28.18</b>	<b>9.88</b>	<b>14.76</b>	<b>14.18</b>	<b>13.07</b>	<b>VPMAX</b>	<b>0.31</b>	<b>4</b>
<i>Russell 1000 Growth</i>	14.16	42.68	8.86	19.50	17.68	14.86			
<i>Difference (+/-)</i>	-4.18	-14.50	1.02	-4.74	-3.50	-1.79			
<i>Median MF US Large Cap Growth Net</i>	13.95	38.91	5.37	15.97	15.00	12.25			
<i>Rank</i>	97	83	4	71	67	30			
<b>US Small/Mid Cap Equity</b>									
<b>Eaton Vance Atlanta Cap SMID *</b>	<b>10.96</b>	<b>14.08</b>	<b>8.39</b>	<b>13.79</b>	<b>12.33</b>	<b>11.25</b>	<b>ERASX</b>	<b>0.82</b>	<b>5</b>
<i>Russell 2500</i>	13.35	17.42	4.24	11.67	8.98	8.36			
<i>Difference (+/-)</i>	-2.39	-3.34	4.15	2.12	3.35	2.89			
<i>Median MF US Small Cap Blend Net</i>	12.67	16.22	5.83	10.83	7.46	7.32			
<i>Rank</i>	83	72	22	8	2	2			
<b>Vanguard Small Cap Index *</b>	<b>13.41</b>	<b>18.20</b>	<b>4.66</b>	<b>11.70</b>	<b>9.05</b>	<b>8.43</b>	<b>VSMAX</b>	<b>0.05</b>	<b>4</b>
<i>CRSP US Small Cap</i>	13.41	18.09	4.61	11.66	9.01	8.41			
<i>Difference (+/-)</i>	0.00	0.11	0.05	0.04	0.04	0.02			
<i>Median MF US Small Cap Blend Net</i>	12.67	16.22	5.83	10.83	7.46	7.32			
<i>Rank</i>	34	25	64	32	16	15			
<b>International Developed Market</b>									
<b>Vanguard Total International Stock Index *</b>	<b>9.97</b>	<b>15.52</b>	<b>1.77</b>	<b>7.34</b>	<b>6.51</b>	<b>4.09</b>	<b>VTIAX</b>	<b>0.11</b>	<b>3</b>
<i>FTSE Global All Cap ex US</i>	9.82	16.17	2.19	7.78	6.86	4.51			
<i>Difference (+/-)</i>	0.15	-0.65	-0.42	-0.44	-0.35	-0.42			
<i>Median MF Foreign Large Cap Core Net</i>	9.95	16.10	2.27	7.82	6.51	3.99			
<i>Rank</i>	49	60	61	65	50	45			

\* Performance and statistics are presented net of fees.

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## Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Vanguard All World ex-US Small Cap *</b>	<b>10.41</b>	<b>15.14</b>	<b>0.71</b>	<b>6.81</b>	<b>5.72</b>	<b>3.89</b>	<b>VFSAX</b>	<b>0.16</b>	<b>3</b>
<i>MSCI ACWI ex US SC NetDiv</i>	10.12	15.66	1.49	7.89	6.70	4.88			
Difference (+/-)	0.29	-0.52	-0.78	-1.08	-0.98	-0.99			
<i>Median MF Foreign Small/Mid Cap Core Net</i>	10.74	14.78	1.58	7.11	5.87	4.33			
Rank	70	37	62	60	62	74			
<b>Emerging Markets Equity</b>									
<b>Vanguard Emerging Markets Stock Index *</b>	<b>6.56</b>	<b>9.21</b>	<b>-3.25</b>	<b>4.66</b>	<b>5.02</b>	<b>2.98</b>	<b>VEMAX</b>	<b>0.14</b>	<b>4</b>
<i>MSCI EM NetDiv</i>	7.86	9.83	-5.08	3.68	4.98	2.66			
Difference (+/-)	-1.30	-0.62	1.83	0.98	0.04	0.32			
<i>Median MF Diversified Emerging Markets Net</i>	7.77	10.93	-5.77	3.95	4.85	2.49			
Rank	78	66	30	38	46	39			
<b>Fixed Income</b>									
<b>Intermediate Core Bonds</b>									
<b>Vanguard Intermediate IG Fund *</b>	<b>8.20</b>	<b>8.61</b>	<b>-2.54</b>	<b>2.46</b>	<b>2.29</b>	<b>2.74</b>	<b>VFIDX</b>	<b>0.10</b>	<b>3</b>
<i>Bloomberg US Credit Int</i>	5.60	6.94	-1.28	2.44	2.27	2.46			
Difference (+/-)	2.60	1.67	-1.26	0.02	0.02	0.28			
<i>Median MF Intermediate Core Bond Net</i>	6.70	5.58	-3.43	1.07	1.22	1.69			
Rank	2	2	11	2	2	3			
<b>Vanguard Total Bond Index *</b>	<b>6.69</b>	<b>5.70</b>	<b>-3.36</b>	<b>1.11</b>	<b>1.30</b>	<b>1.79</b>	<b>VBTIX</b>	<b>0.05</b>	<b>3</b>
<i>Bloomberg US Aggregate</i>	6.82	5.53	-3.31	1.10	1.29	1.81			
Difference (+/-)	-0.13	0.17	-0.05	0.01	0.01	-0.02			
<i>Median MF Intermediate Core Bond Net</i>	6.70	5.58	-3.43	1.07	1.22	1.69			
Rank	53	44	43	48	43	40			

\* Performance and statistics are presented net of fees.



## Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Short Term Core Bonds</b>									
<b>Vanguard Retirement Savings Trust *</b>	<b>0.62</b>	<b>2.36</b>	<b>1.71</b>	<b>1.91</b>	<b>1.92</b>	<b>1.90</b>	--	<b>0.43</b>	
<i>US T-Bills 90 Day</i>	1.37	5.01	2.15	1.88	1.73	1.25			
Difference (+/-)	-0.75	-2.65	-0.44	0.03	0.19	0.65			
<i>Median MF Ultrashort Bond Net</i>	1.81	5.77	1.90	2.07	1.93	1.56			
Rank	99	99	68	71	56	17			
<b>Non-US Fixed Income</b>									
<b>International Core Bonds</b>									
<b>Vanguard Total International Bond Index *</b>	<b>6.51</b>	<b>8.83</b>	<b>-2.51</b>	<b>0.88</b>	<b>1.39</b>	<b>2.40</b>	<b>VTABX</b>	<b>0.11</b>	<b>3</b>
<i>Bloomberg Gbl Aggregate Bd US Hgd</i>	5.99	7.15	-2.11	1.40	1.68	2.41			
Difference (+/-)	0.52	1.68	-0.40	-0.52	-0.29	-0.01			
<i>Median MF Global Bond-USD Hedged Net</i>	6.65	7.71	-2.52	1.38	1.56	2.25			
Rank	61	24	50	76	66	31			
<b>Cash &amp; Equivalents</b>									
<b>Vanguard Federal Money Market *</b>	<b>1.34</b>	<b>5.09</b>	<b>2.20</b>	<b>1.83</b>	<b>1.68</b>	<b>1.21</b>	<b>VMFXX</b>	<b>0.11</b>	
<i>US T-Bills 90 Day</i>	1.37	5.01	2.15	1.88	1.73	1.25			
Difference (+/-)	-0.03	0.08	0.05	-0.05	-0.05	-0.04			
<b>Real Assets</b>									
<b>Vanguard REIT Index *</b>	<b>18.13</b>	<b>11.81</b>	<b>5.02</b>	<b>7.33</b>	<b>4.98</b>	<b>7.36</b>	<b>VGSLX</b>	<b>0.12</b>	<b>3</b>
<i>FTSE NAREIT Equity REITs</i>	16.22	13.73	7.21	7.39	5.28	7.65			
Difference (+/-)	1.91	-1.92	-2.19	-0.06	-0.30	-0.29			
<i>Median MF Real Estate Net</i>	16.41	11.98	5.43	7.40	5.12	7.35			
Rank	12	56	65	55	57	50			

\* Performance and statistics are presented net of fees.

## Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Balanced</b>									
<b>Balanced - Intermediate</b>									
<b>Vanguard Wellington *</b>	<b>9.66</b>	<b>14.43</b>	<b>5.33</b>	<b>9.66</b>	<b>8.41</b>	<b>7.96</b>	<b>VWENX</b>	<b>0.17</b>	<b>4</b>
60% S&P 500/40% Bloomberg US Agg	9.74	17.67	4.71	9.98	8.72	8.09			
Difference (+/-)	-0.08	-3.24	0.62	-0.32	-0.31	-0.13			
Median MF Moderate Allocation Net	9.19	13.81	3.34	8.07	6.88	6.01			
Rank	26	38	11	15	14	8			
<b>Target Date Retirement Funds</b>									
<b>Vanguard Target Retirement Income *</b>	<b>7.34</b>	<b>10.74</b>	<b>0.56</b>	<b>4.83</b>	<b>4.34</b>	<b>4.09</b>	<b>VTINX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date Retirement Income	7.39	10.35	1.00	4.90	4.31	3.98			
Difference (+/-)	-0.05	0.39	-0.44	-0.07	0.03	0.11			
Median MF Target Date 2000-2010 Net	7.17	9.81	0.89	5.21	4.81	4.41			
Rank	35	27	53	66	72	71			
<b>Vanguard Target Retirement 2020 *</b>	<b>8.00</b>	<b>12.51</b>	<b>1.47</b>	<b>6.61</b>	<b>6.01</b>	<b>5.52</b>	<b>VTWNX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2020	8.04	12.32	2.12	6.47	5.75	5.28			
Difference (+/-)	-0.04	0.19	-0.65	0.14	0.26	0.24			
Median MF Target Date 2016-2020 Net	8.17	11.60	1.24	6.45	5.57	5.03			
Rank	64	27	43	36	24	18			
<b>Vanguard Target Retirement 2025 *</b>	<b>8.87</b>	<b>14.55</b>	<b>2.03</b>	<b>7.56</b>	<b>6.78</b>	<b>6.10</b>	<b>VTTVX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2025	8.28	12.99	2.80	7.42	6.52	5.85			
Difference (+/-)	0.59	1.56	-0.77	0.14	0.26	0.25			
Median MF Target Date 2021-2025 Net	8.61	12.58	1.58	6.89	6.11	5.33			
Rank	31	5	25	21	17	9			

\* Performance and statistics are presented net of fees.

### Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Vanguard Target Retirement 2030 *</b>	<b>9.53</b>	<b>16.03</b>	<b>2.66</b>	<b>8.37</b>	<b>7.45</b>	<b>6.58</b>	<b>VTHRX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2030	9.02	14.80	3.61	8.42	7.29	6.44			
Difference (+/-)	0.51	1.23	-0.95	-0.05	0.16	0.14			
Median MF Target Date 2026-2030 Net	9.36	14.45	2.34	8.05	7.06	6.09			
Rank	37	6	33	33	27	17			
<b>Vanguard Target Retirement 2035 *</b>	<b>9.87</b>	<b>17.14</b>	<b>3.33</b>	<b>9.17</b>	<b>8.11</b>	<b>7.06</b>	<b>VTHX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2035	9.68	16.63	4.45	9.45	8.07	7.04			
Difference (+/-)	0.19	0.51	-1.12	-0.28	0.04	0.02			
Median MF Target Date 2031-2035 Net	10.00	16.36	3.29	9.05	7.86	6.66			
Rank	62	26	46	45	35	26			
<b>Vanguard Target Retirement 2040 *</b>	<b>10.23</b>	<b>18.34</b>	<b>4.02</b>	<b>9.99</b>	<b>8.77</b>	<b>7.52</b>	<b>VFORX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2040	10.19	18.16	5.16	10.22	8.67	7.49			
Difference (+/-)	0.04	0.18	-1.14	-0.23	0.10	0.03			
Median MF Target Date 2036-2040 Net	10.52	18.10	4.11	9.93	8.48	7.19			
Rank	72	44	57	46	32	29			
<b>Vanguard Target Retirement 2045 *</b>	<b>10.57</b>	<b>19.48</b>	<b>4.68</b>	<b>10.76</b>	<b>9.30</b>	<b>7.91</b>	<b>VTIVX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2045	10.53	19.14	5.62	10.68	9.03	7.76			
Difference (+/-)	0.04	0.34	-0.94	0.08	0.27	0.15			
Median MF Target Date 2041-2045 Net	10.85	19.26	4.55	10.46	8.88	7.45			
Rank	69	41	46	35	28	23			

\* Performance and statistics are presented net of fees.

### Performance Summary

For the Periods Ending December 31, 2023

	3 Months (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)	Ticker	Expense Ratio (%)	MStar Rating
<b>Vanguard Target Retirement 2050 *</b>	<b>10.79</b>	<b>20.17</b>	<b>4.91</b>	<b>10.93</b>	<b>9.42</b>	<b>7.99</b>	<b>VFIFX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2050	10.70	19.58	5.84	10.92	9.25	7.92			
Difference (+/-)	0.09	0.59	-0.93	0.01	0.17	0.07			
Median MF Target Date 2046-2050 Net	11.04	19.86	4.70	10.64	9.06	7.56			
Rank	66	40	38	33	23	22			
<b>Vanguard Target Retirement 2055 *</b>	<b>10.78</b>	<b>20.16</b>	<b>4.92</b>	<b>10.92</b>	<b>9.41</b>	<b>7.97</b>	<b>VFFVX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2055	10.71	19.62	5.91	10.98	9.33	7.99			
Difference (+/-)	0.07	0.54	-0.99	-0.06	0.08	-0.02			
Median MF Target Date 2051-2055 Net	11.06	19.99	4.74	10.69	9.08	7.57			
Rank	66	45	38	36	28	25			
<b>Vanguard Target Retirement 2060 *</b>	<b>10.79</b>	<b>20.18</b>	<b>4.92</b>	<b>10.92</b>	<b>9.41</b>	<b>7.97</b>	<b>VTTSX</b>	<b>0.08</b>	<b>4</b>
S&P Target Date 2060	10.72	19.74	5.89	11.04	9.41	8.04			
Difference (+/-)	0.07	0.44	-0.97	-0.12	0.00	-0.07			
Median MF Target Date 2056-2060 Net	11.05	20.06	4.73	10.77	9.11	7.46			
Rank	68	47	41	41	31	2			
<b>Vanguard Target Retirement 2065 *</b>	<b>10.79</b>	<b>20.15</b>	<b>4.95</b>	<b>10.91</b>	<b>--</b>	<b>--</b>	<b>VLXVX</b>	<b>0.08</b>	<b>3</b>
S&P Target Date 2065+	10.80	19.84	5.98	11.09	9.44	--			
Difference (+/-)	-0.01	0.31	-1.03	-0.18	--	--			
Median MF Target-Date 2065+ Net	11.10	20.23	4.65	11.18	--	--			
Rank	65	54	35	76	--	--			

\* Performance and statistics are presented net of fees.

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## **Investment Manager Analysis**

## Vanguard Windsor II

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VWNAX
- **Assets \$(Millions)** 56,863
- **Expense Ratio** 0.26%
- **Strategy** US Large Cap Value
- **Benchmark(s)** Russell 1000 Value
- **Universe(s)** MF US Large Cap Value Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 10.1
- **Manager** Multiple

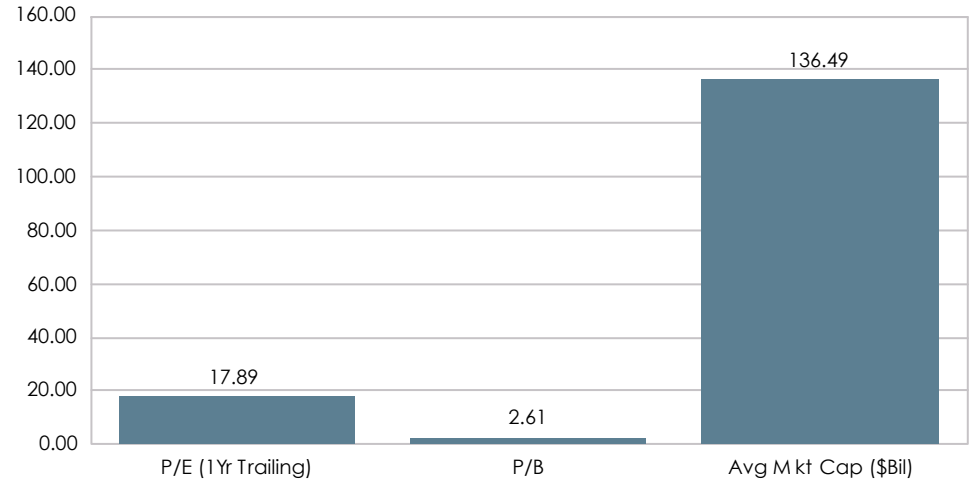
### Investment Strategy

The investment seeks to provide long-term capital appreciation and income. The fund invests mainly in large- and mid-capitalization companies whose stocks are considered by an advisor to be undervalued. Undervalued stocks are generally those that are out of favor with investors and that the advisor believes are trading at prices that are below average in relation to measures such as earnings and book value. These stocks often have above-average dividend yields. It uses multiple investment advisors.

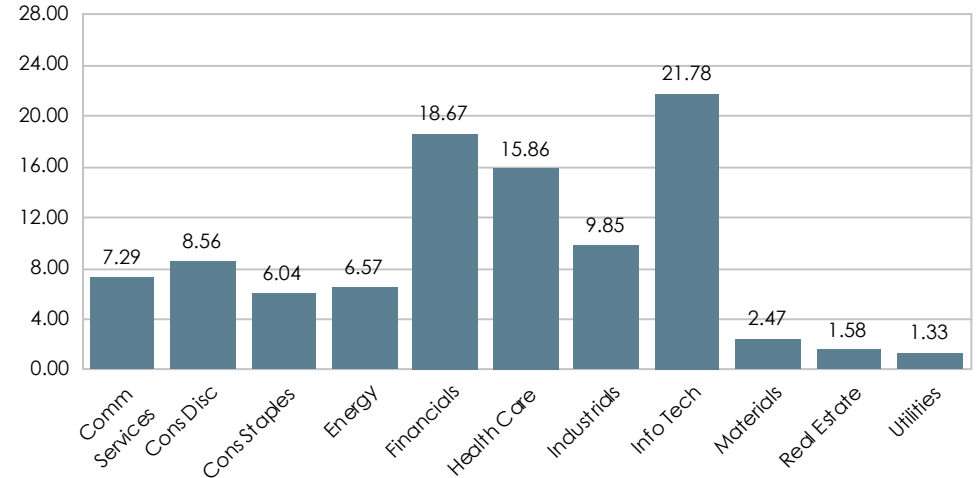
### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

### Characteristics



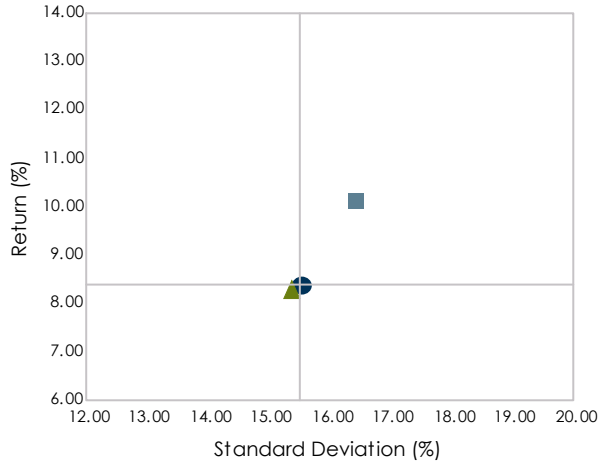
### Sector Allocation



## Vanguard Windsor II

For the Periods Ending December 31, 2023

### 10 Years Risk / Return



### 10 Years Relative Statistics

	Russell 1000 Value
Beta	1.04
Up Capture (%)	112.76
Down Capture (%)	102.39

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

### 3 Months

Vanguard Windsor II *	11.74	12	--	--
Russell 1000 Value	9.50	--	--	--
MF US Large Cap Value Net *	9.51	--	--	--

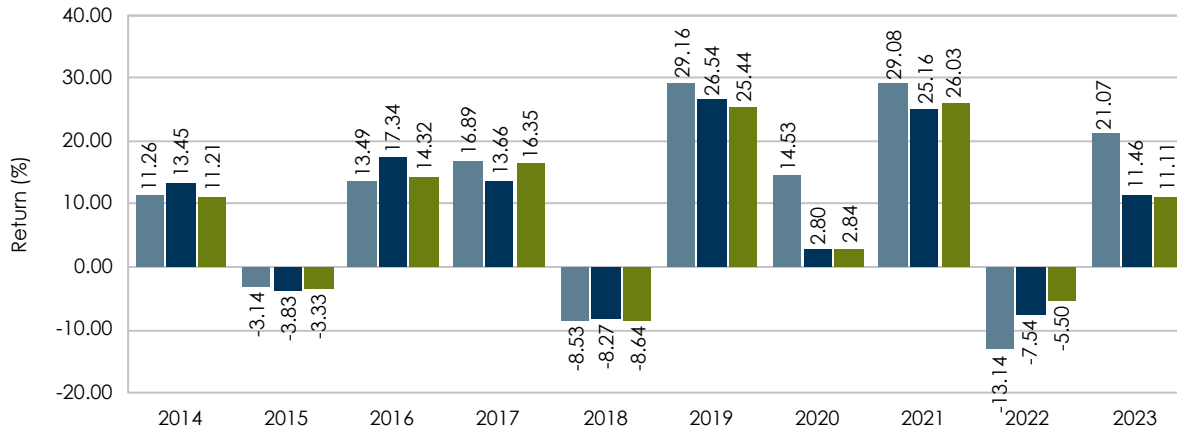
### 1 Year

Vanguard Windsor II *	21.07	4	11.53	1.39
Russell 1000 Value	11.46	--	10.66	0.60
MF US Large Cap Value Net *	11.11	--	14.95	0.39

### 3 Years

Vanguard Windsor II *	10.72	31	16.03	0.53
Russell 1000 Value	8.86	--	14.76	0.45
MF US Large Cap Value Net *	9.60	--	16.51	0.46

### Calendar Year Returns



### 5 Years

Vanguard Windsor II *	14.96	5	20.99	0.62
Russell 1000 Value	10.91	--	20.00	0.45
MF US Large Cap Value Net *	11.23	--	18.74	0.50

### 10 Years

Vanguard Windsor II *	10.14	7	16.43	0.54
Russell 1000 Value	8.40	--	15.52	0.46
MF US Large Cap Value Net *	8.29	--	15.37	0.46

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard FTSE Social Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VFTAX
- **Assets \$(Millions)** 17,909
- **Expense Ratio** 0.14%
- **Strategy** US Large Cap Core
- **Benchmark(s)** Russell 1000
- **Universe(s)** MF US Large Cap Blend Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 4.58
- **Manager** Multiple

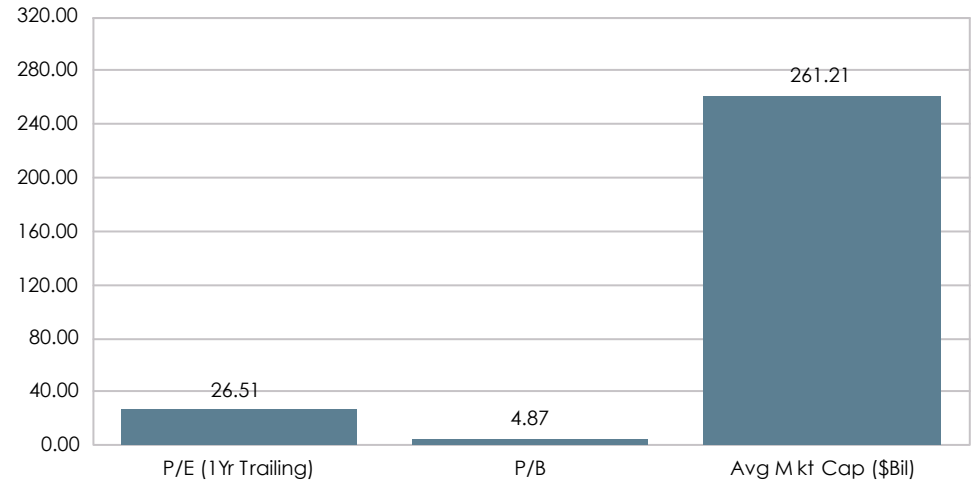
### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of large- and mid-capitalization stocks. The fund employs an indexing investment approach designed to track the performance of the FTSE4Good US Select Index. The index is composed of the stocks of companies that have been screened for certain social and environmental criteria by the index sponsor, which is independent of Vanguard. The Advisor attempts to replicate the index by investing all, or substantially all, of its assets in the stocks that make up the index.

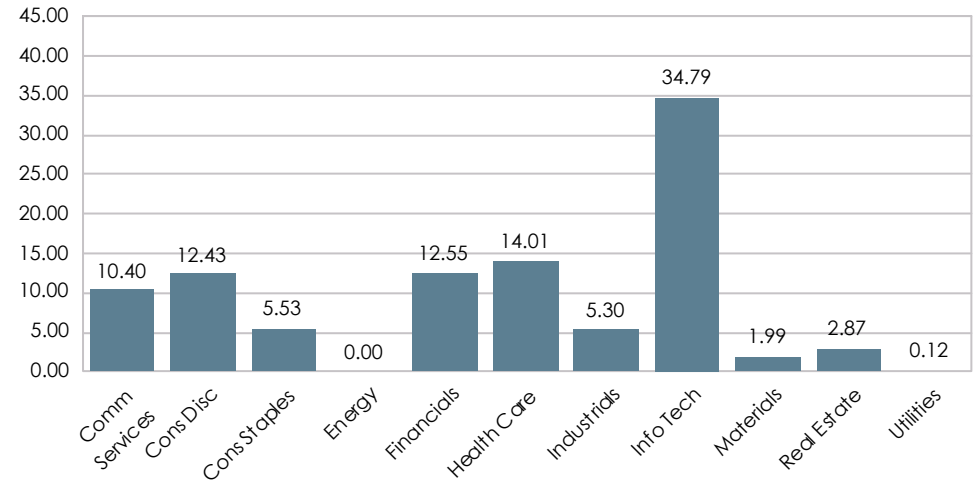
### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

### Characteristics



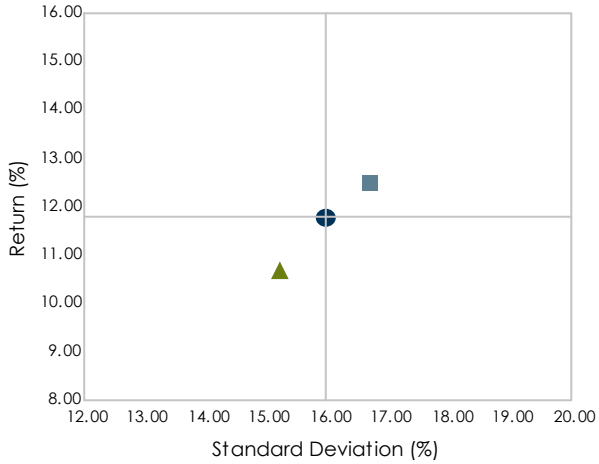
### Sector Allocation



### Vanguard FTSE Social Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

Russell 1000	
Beta	1.04
Up Capture (%)	106.13
Down Capture (%)	104.14

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

#### 3 Months

Vanguard FTSE Social *	13.20	9	--	--
Russell 1000	11.96	--	--	--
MF US Large Cap Blend Net *	11.63	--	--	--

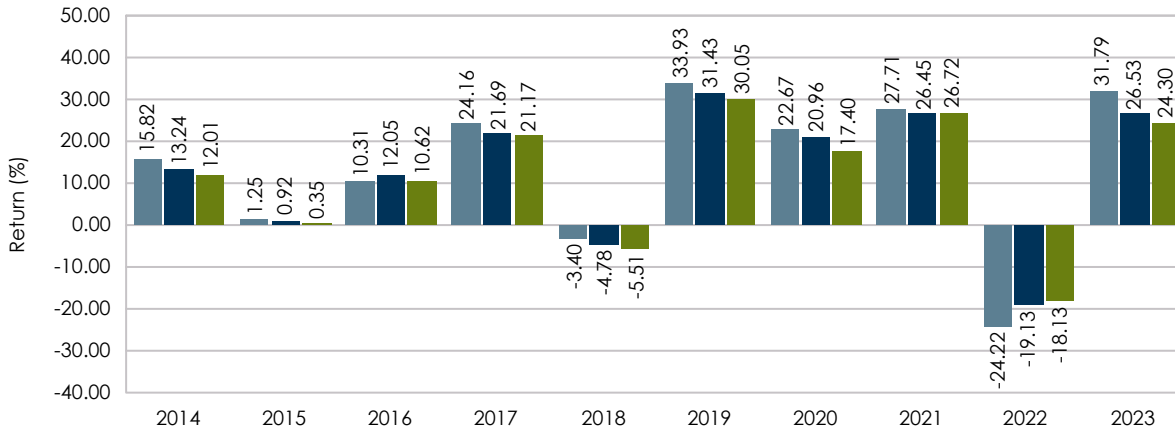
#### 1 Year

Vanguard FTSE Social *	31.79	4	14.83	1.81
Russell 1000	26.53		13.06	1.65
MF US Large Cap Blend Net *	24.30		14.87	1.27

#### 3 Years

Vanguard FTSE Social *	8.45	63	18.70	0.34
Russell 1000	8.97		16.93	0.40
MF US Large Cap Blend Net *	8.93		17.41	0.39

#### Calendar Year Returns



#### 5 Years

Vanguard FTSE Social *	15.95	14	21.48	0.65
Russell 1000	15.52		20.39	0.67
MF US Large Cap Blend Net *	14.48		18.53	0.68

#### 10 Years

Vanguard FTSE Social *	12.51	2	16.69	0.67
Russell 1000	11.80		15.95	0.66
MF US Large Cap Blend Net *	10.69		15.21	0.63

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Institutional Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VINIX
- **Assets \$(Millions)** 269,621
- **Expense Ratio** 0.04%
- **Strategy** US Large Cap Core
- **Benchmark(s)** S&P 500
- **Universe(s)** MF US Large Cap Blend Net
- **Morningstar Rating** 5
- **Avg Manager Tenure** 3.38
- **Manager** Multiple

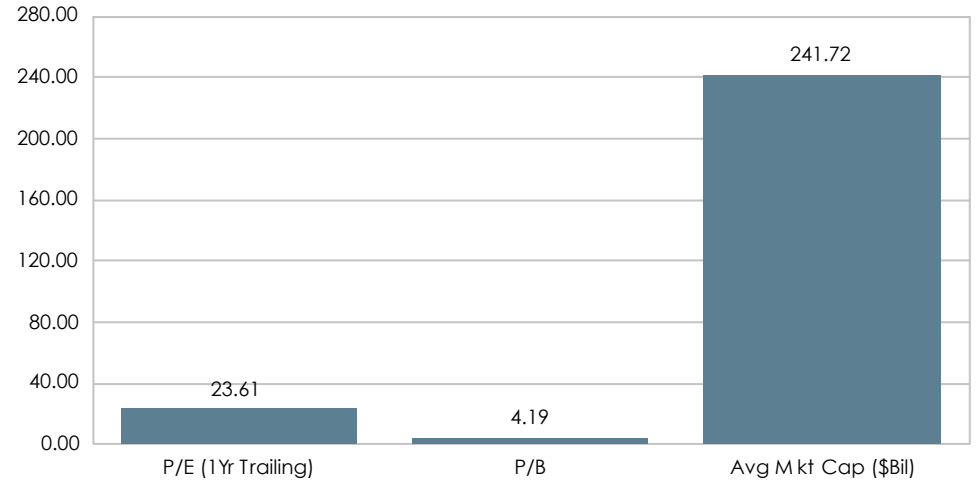
### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of large-capitalization stocks. The fund employs an indexing investment approach designed to track the performance of the Standard & Poor's 500 Index, a widely recognized benchmark of U.S. stock market performance that is dominated by the stocks of large U.S. companies. The advisor attempts to replicate the target index by investing all, or substantially all, of its assets in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting in the index.

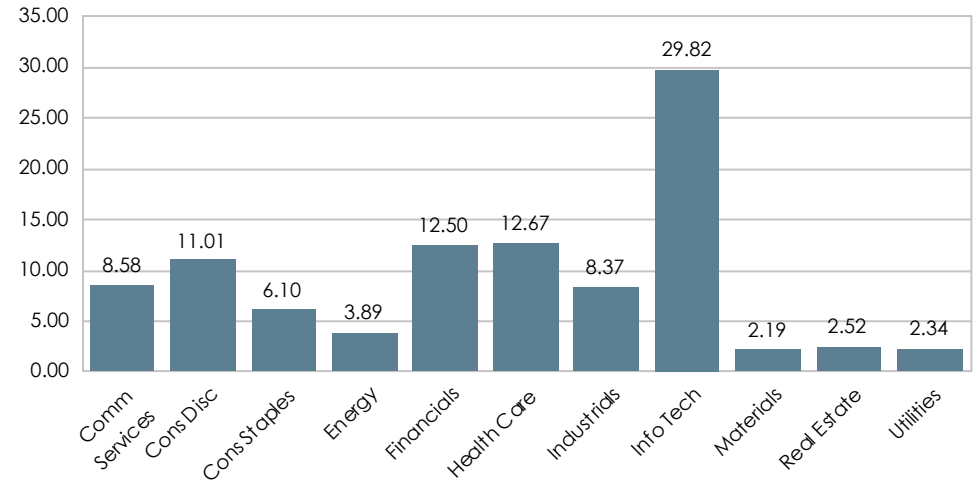
### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

### Characteristics



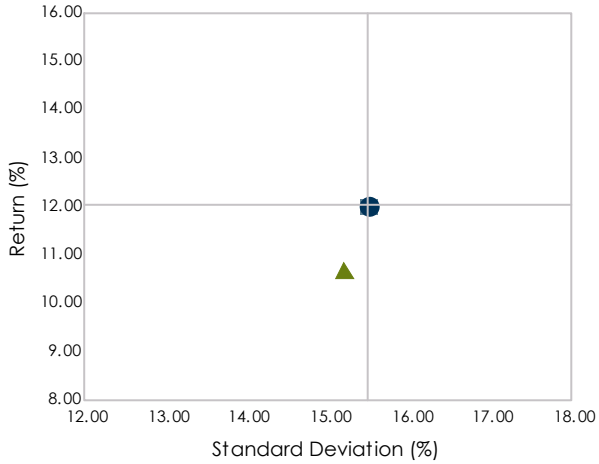
### Sector Allocation



### Vanguard Institutional Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

S&P 500	
Beta	1.00
Up Capture (%)	99.88
Down Capture (%)	100.07

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

#### 3 Months

Vanguard Inst'l Index *	11.68	46	--	--
S&P 500	11.69	--	--	--
MF US Large Cap Blend Net *	11.63	--	--	--

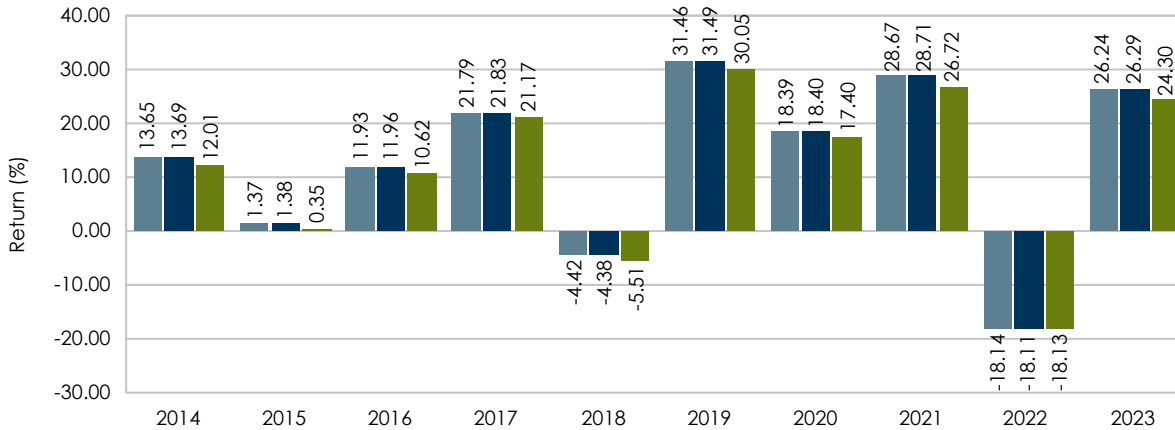
#### 1 Year

Vanguard Inst'l Index *	26.24	25	13.06	1.63
S&P 500	26.29	--	13.07	1.63
MF US Large Cap Blend Net *	24.30	--	14.87	1.27

#### 3 Years

Vanguard Inst'l Index *	9.96	26	16.88	0.46
S&P 500	10.00	--	16.88	0.46
MF US Large Cap Blend Net *	8.93	--	17.41	0.39

#### Calendar Year Returns



#### 5 Years

Vanguard Inst'l Index *	15.66	18	19.72	0.70
S&P 500	15.69	--	19.72	0.70
MF US Large Cap Blend Net *	14.48	--	18.53	0.68

#### 10 Years

Vanguard Inst'l Index *	12.00	8	15.51	0.69
S&P 500	12.03	--	15.50	0.70
MF US Large Cap Blend Net *	10.69	--	15.21	0.63

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard PRIMECAP

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VPMAX
- **Assets \$(Millions)** 70,613
- **Expense Ratio** 0.31%
- **Strategy** US Large Cap Growth
- **Benchmark(s)** Russell 1000 Growth
- **Universe(s)** MF US Large Cap Growth Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 24.65
- **Manager** Multiple

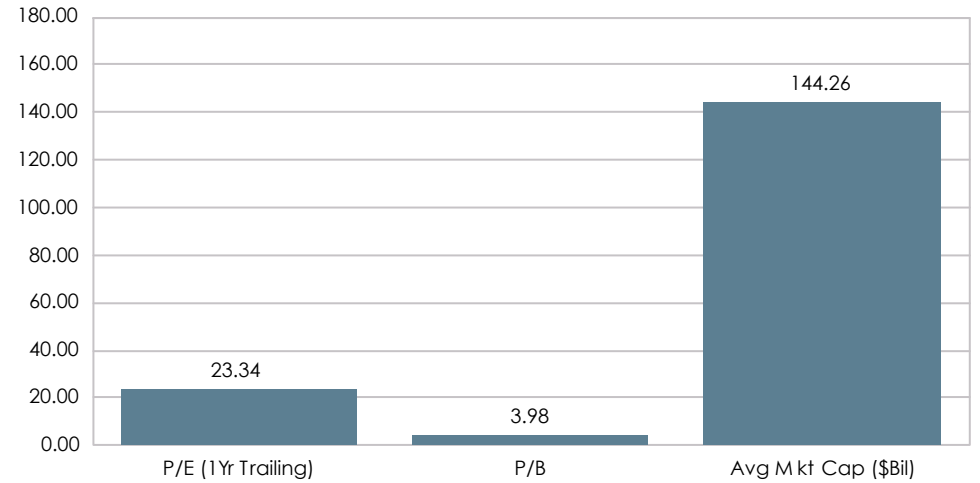
### Investment Strategy

The investment seeks long-term capital appreciation. The fund invests in stocks considered to have above-average earnings growth potential that is not reflected in their current market prices. Its portfolio consists predominantly of large- and mid-capitalization stocks.

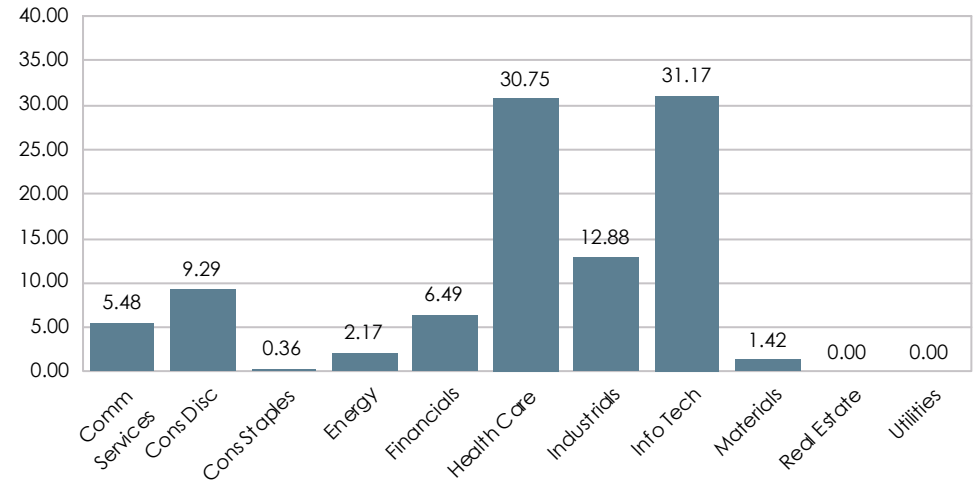
### ACG Investment Style

	Value	Core	Growth
Large			9.29
Mid			
Small			

### Characteristics



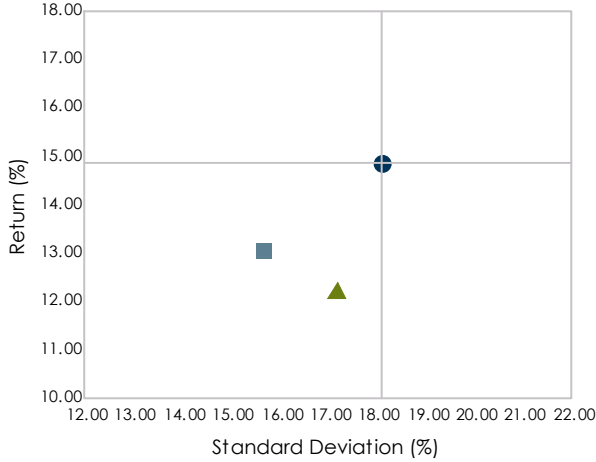
### Sector Allocation



### Vanguard PRIMECAP

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

##### Russell 1000 Growth

Beta	0.77
Up Capture (%)	88.24
Down Capture (%)	92.72

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Vanguard PRIMECAP *	9.98	97	--	--
Russell 1000 Growth	14.16	--	--	--
MF US Large Cap Growth Net *	13.95	--	--	--

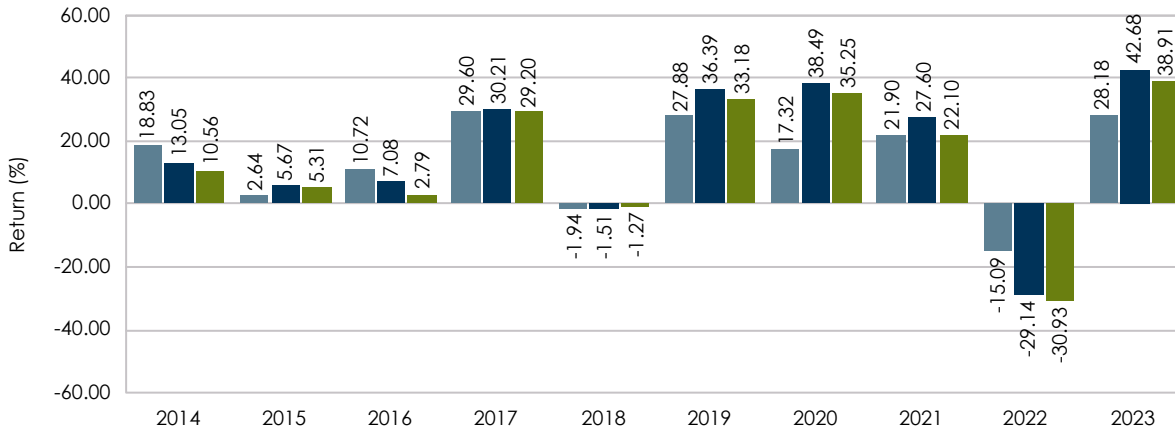
#### 1 Year

Vanguard PRIMECAP *	28.18	83	9.38	2.47
Russell 1000 Growth	42.68	--	16.97	2.22
MF US Large Cap Growth Net *	38.91	--	17.46	1.87

#### 3 Years

Vanguard PRIMECAP *	9.88	4	16.01	0.48
Russell 1000 Growth	8.86	--	21.83	0.31
MF US Large Cap Growth Net *	5.37	--	20.70	0.16

#### Calendar Year Returns



#### 5 Years

Vanguard PRIMECAP *	14.76	71	19.18	0.67
Russell 1000 Growth	19.50	--	23.10	0.76
MF US Large Cap Growth Net *	15.97	--	20.83	0.68

#### 10 Years

Vanguard PRIMECAP *	13.07	30	15.69	0.75
Russell 1000 Growth	14.86	--	18.11	0.75
MF US Large Cap Growth Net *	12.25	--	17.19	0.64

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Eaton Vance Atlanta Cap SMID

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** ERASX
- **Assets \$(Millions)** 12,346
- **Expense Ratio** 0.82%
- **Strategy** US Small/Mid Cap Core
- **Benchmark(s)** Russell 2500
- **Universe(s)** MF US Small Cap Blend Net
- **Morningstar Rating** 5
- **Avg Manager Tenure** 20.17
- **Manager** Multiple

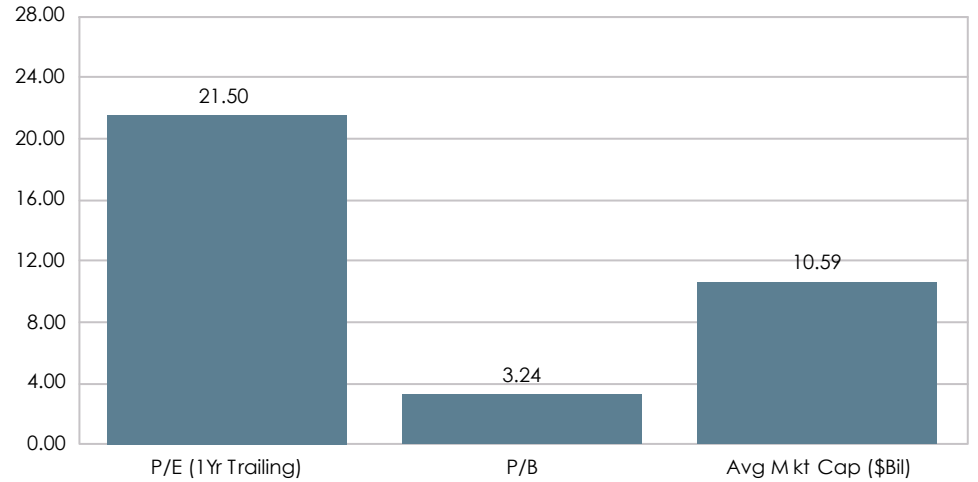
#### Investment Strategy

The investment seeks long-term capital growth. Under normal circumstances, the fund invests at least 80% of its net assets (plus any borrowings for investment purposes) in small- to mid-cap stocks (the "80% Policy"). The portfolio managers generally consider small- to mid-cap companies to be those companies having market capitalizations within the range of companies comprising the Russell 2500 TM Index.

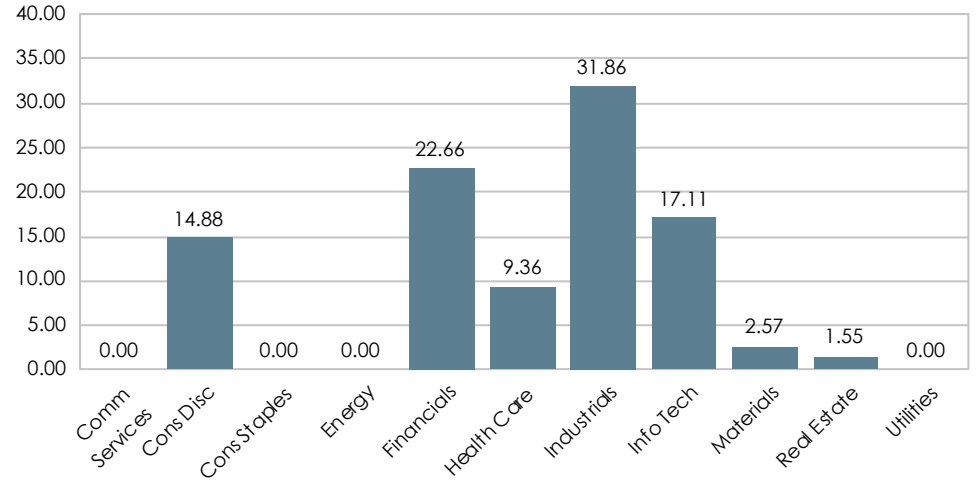
#### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

#### Characteristics



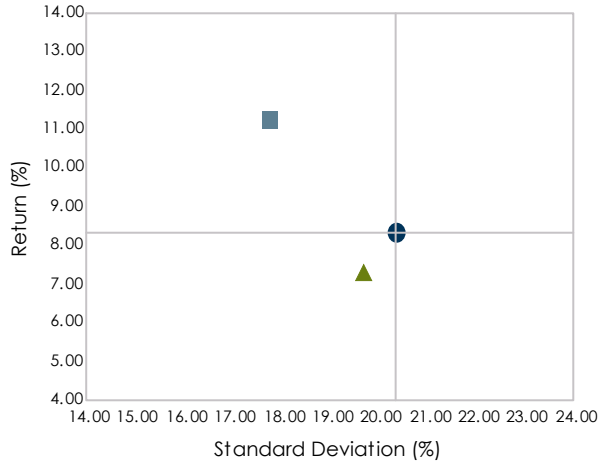
#### Sector Allocation



### Eaton Vance Atlanta Cap SMID

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

##### Russell 2500

Beta 0.83  
 Up Capture (%) 97.09  
 Down Capture (%) 75.02

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Eaton Vance *	10.96	83	--	--
Russell 2500	13.35	--	--	--
MF US Small Cap Blend Net *	12.67	--	--	--

#### 1 Year

Eaton Vance *	14.08	72	11.19	0.81
Russell 2500	17.42	--	14.88	0.83
MF US Small Cap Blend Net *	16.22	--	22.62	0.49

#### 3 Years

Eaton Vance *	8.39	22	14.57	0.43
Russell 2500	4.24	--	16.77	0.12
MF US Small Cap Blend Net *	5.83	--	20.50	0.18

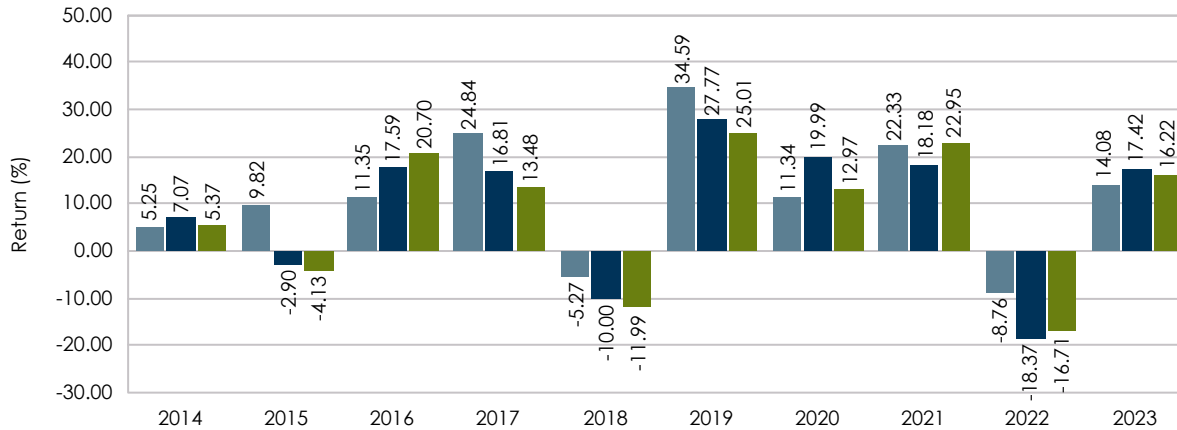
#### 5 Years

Eaton Vance *	13.79	8	22.48	0.53
Russell 2500	11.67	--	26.12	0.37
MF US Small Cap Blend Net *	10.83	--	23.54	0.38

#### 10 Years

Eaton Vance *	11.25	2	17.76	0.56
Russell 2500	8.36	--	20.35	0.35
MF US Small Cap Blend Net *	7.32	--	19.71	0.31

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Small Cap Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VSMAX
- **Assets \$(Millions)** 49,600
- **Expense Ratio** 0.05%
- **Strategy** US Small Cap Core
- **Benchmark(s)** CRSP US Small Cap
- **Universe(s)** MF US Small Cap Blend Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 7.83
- **Manager** Multiple

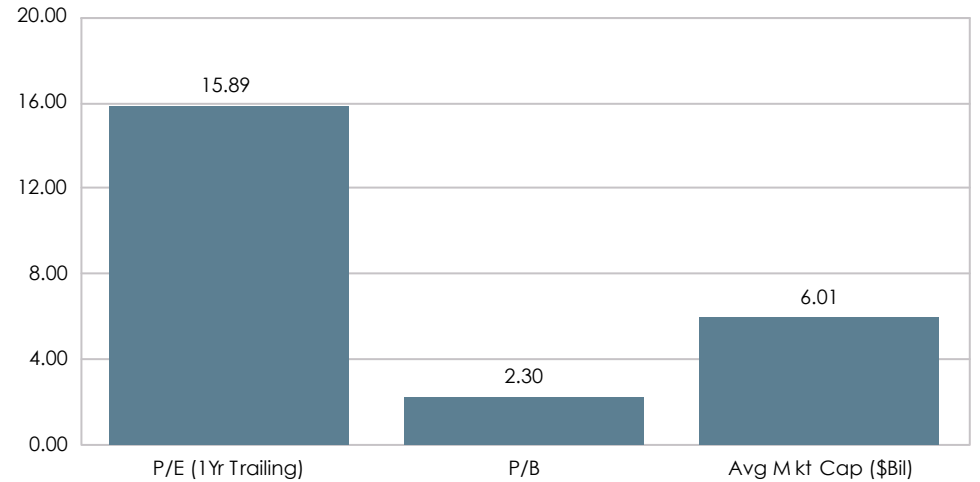
### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of small-capitalization stocks. The fund employs an indexing investment approach designed to track the performance of the CRSP US Small Cap Index, a broadly diversified index of stocks of small U.S. companies. The advisor attempts to replicate the target index by investing all, or substantially all, of its assets in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting in the index.

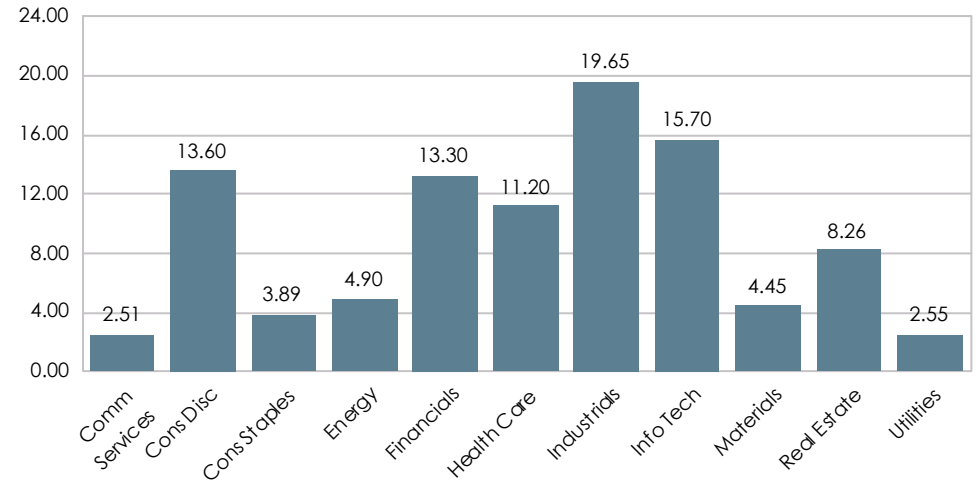
### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

### Characteristics



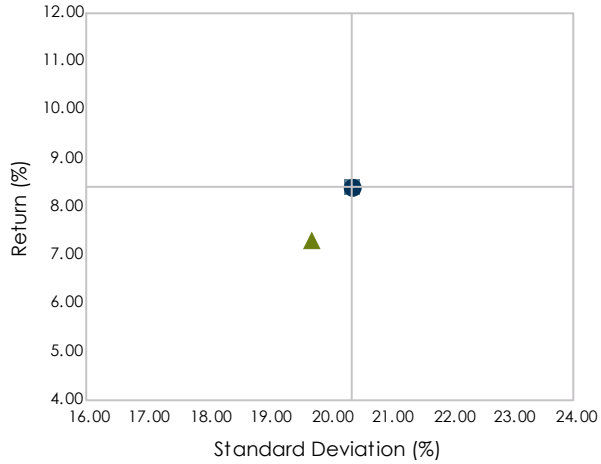
### Sector Allocation



### Vanguard Small Cap Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

CRSP US Small Cap	
Beta	1.00
Up Capture (%)	100.09
Down Capture (%)	99.94

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

#### 3 Months

Vanguard Small Cap *	13.41	34	--	--
CRSP US Small Cap	13.41		--	--
MF US Small Cap Blend Net *	12.67		--	--

#### 1 Year

Vanguard Small Cap *	18.20	25	14.77	0.89
CRSP US Small Cap	18.09		14.80	0.88
MF US Small Cap Blend Net *	16.22		22.62	0.49

#### 3 Years

Vanguard Small Cap *	4.66	64	16.66	0.15
CRSP US Small Cap	4.61		16.66	0.15
MF US Small Cap Blend Net *	5.83		20.50	0.18

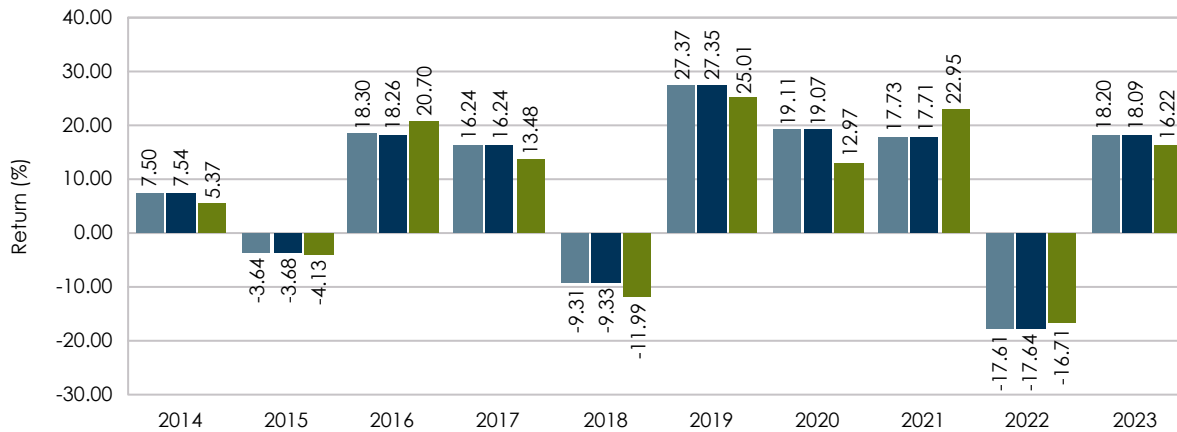
#### 5 Years

Vanguard Small Cap *	11.70	32	26.14	0.38
CRSP US Small Cap	11.66		26.14	0.37
MF US Small Cap Blend Net *	10.83		23.54	0.38

#### 10 Years

Vanguard Small Cap *	8.43	15	20.35	0.35
CRSP US Small Cap	8.41		20.35	0.35
MF US Small Cap Blend Net *	7.32		19.71	0.31

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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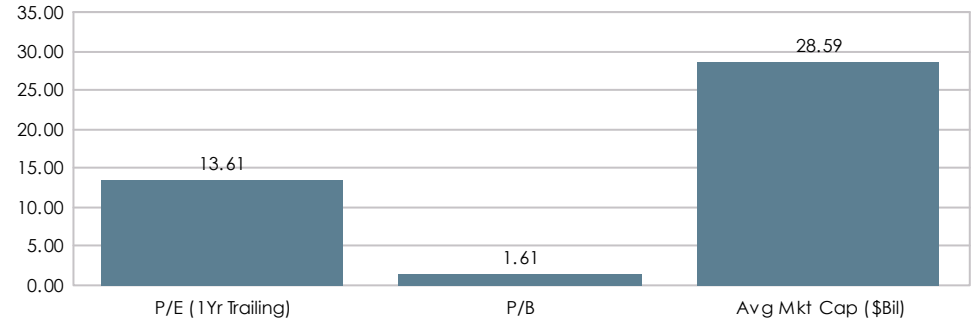
## Vanguard Total International Stock Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VTIAX
- **Assets \$(Millions)** 63,132
- **Expense Ratio** 0.11%
- **Strategy** Int'l Developed Markets Equity Large Cap Core
- **Benchmark(s)** FTSE Global All Cap ex US
- **Universe(s)** MF Foreign Large Cap Core Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 10.88
- **Manager** Multiple

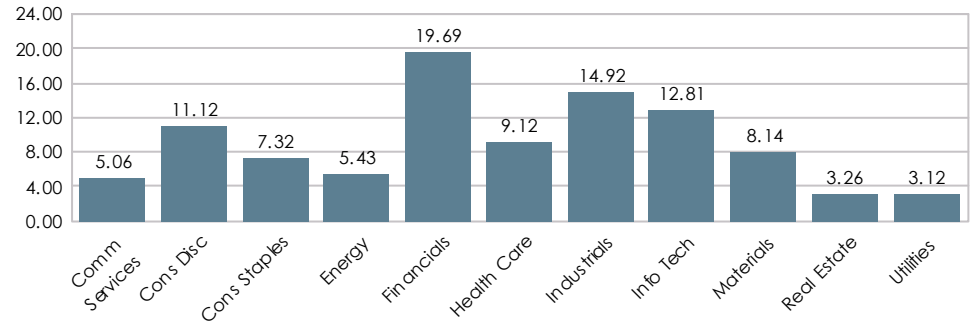
### Characteristics



### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of stocks issued by companies located in developed and emerging markets, excluding the United States. The fund employs an indexing investment approach designed to track the performance of the FTSE Global All Cap ex US Index, a float-adjusted market-capitalization-weighted index designed to measure equity market performance of companies located in developed and emerging markets, excluding the United States. It invests all, or substantially all, of its assets in the common stocks included in its target index.

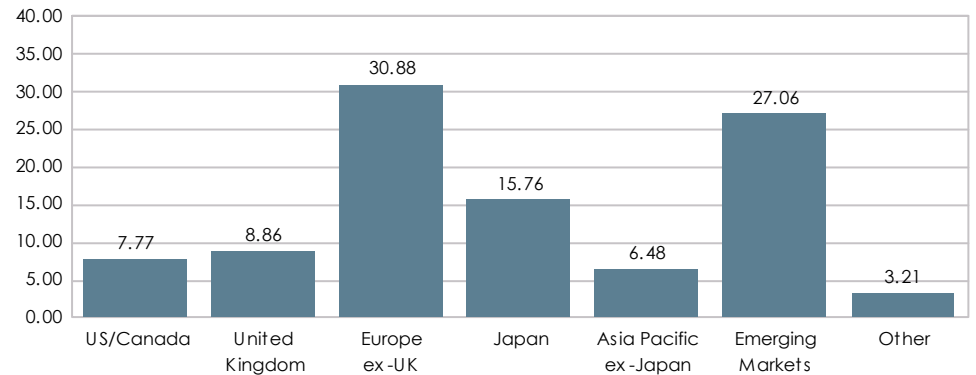
### Sector Allocation



### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

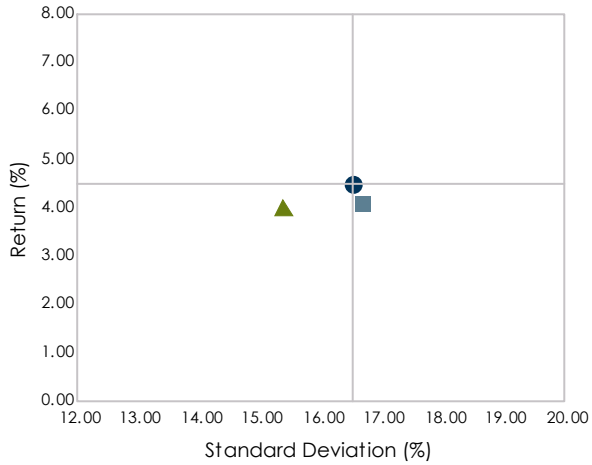
### Region Allocation



### Vanguard Total International Stock Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

FTSE Global All Cap ex US	
Beta	1.01
Up Capture (%)	99.31
Down Capture (%)	102.54

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

#### 3 Months

Vanguard Int'l Stock *	9.97	49	--	--
FTSE Global All Cap ex US	9.82		--	--
MF Foreign Large Cap Core Net *	9.95		--	--

#### 1 Year

Vanguard Int'l Stock *	15.52	60	12.04	0.87
FTSE Global All Cap ex US	16.17		11.22	0.99
MF Foreign Large Cap Core Net *	16.10		16.51	0.66

#### 3 Years

Vanguard Int'l Stock *	1.77	61	16.48	-0.02
FTSE Global All Cap ex US	2.19		16.19	0.00
MF Foreign Large Cap Core Net *	2.27		17.34	0.00

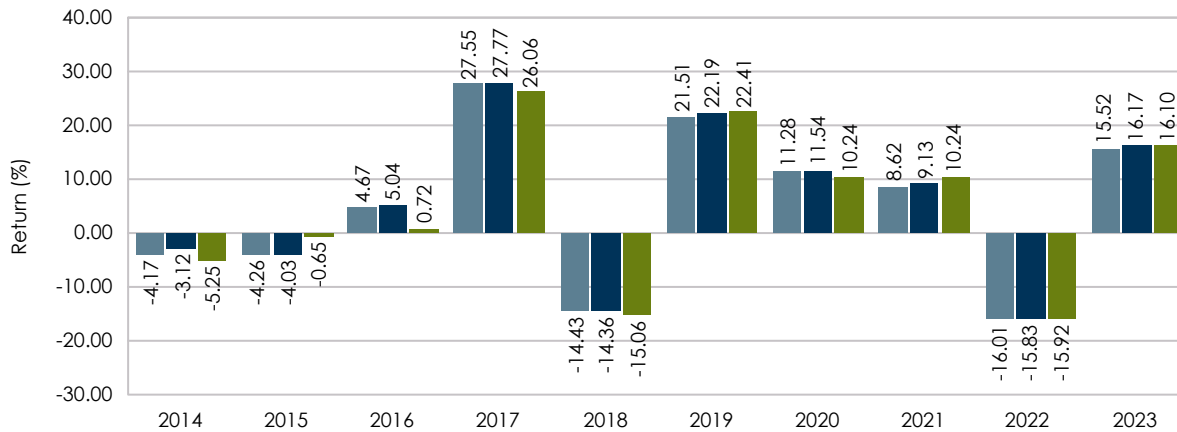
#### 5 Years

Vanguard Int'l Stock *	7.34	65	20.96	0.26
FTSE Global All Cap ex US	7.78		20.66	0.29
MF Foreign Large Cap Core Net *	7.82		18.54	0.32

#### 10 Years

Vanguard Int'l Stock *	4.09	45	16.69	0.17
FTSE Global All Cap ex US	4.51		16.51	0.20
MF Foreign Large Cap Core Net *	3.99		15.39	0.18

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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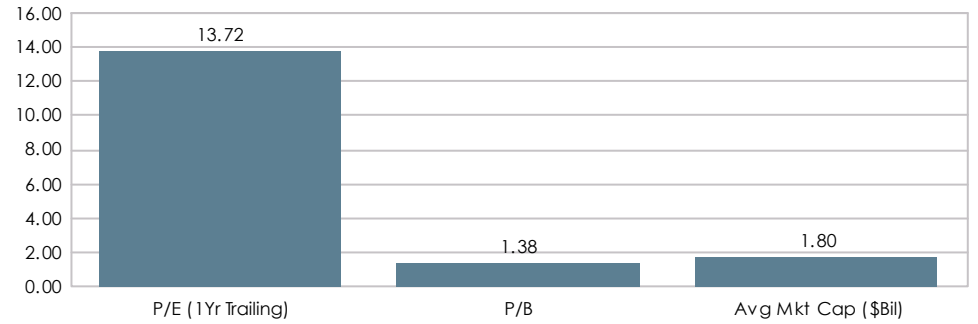
### Vanguard All World ex-US Small Cap

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VFSAX
- **Assets \$(Millions)** 8,300
- **Expense Ratio** 0.16%
- **Strategy** Int'l Developed Markets Equity Small Cap Core
- **Benchmark(s)** MSCI ACWI ex US SC NetDiv
- **Universe(s)** MF Foreign Small/Mid Cap Core Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 8.25
- **Manager** Multiple

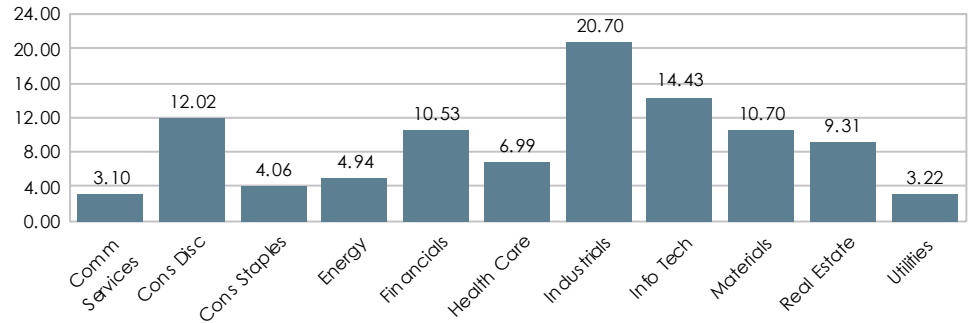
#### Characteristics



#### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of stocks of international small-cap companies. The fund employs an indexing investment approach designed to track the performance of the FTSE Global Small Cap ex US Index. The advisor attempts to sample the target index by investing all, or substantially all, of its assets in common stocks in the index and by holding a representative sample of securities that resembles the full index in terms of key risk factors and other characteristics.

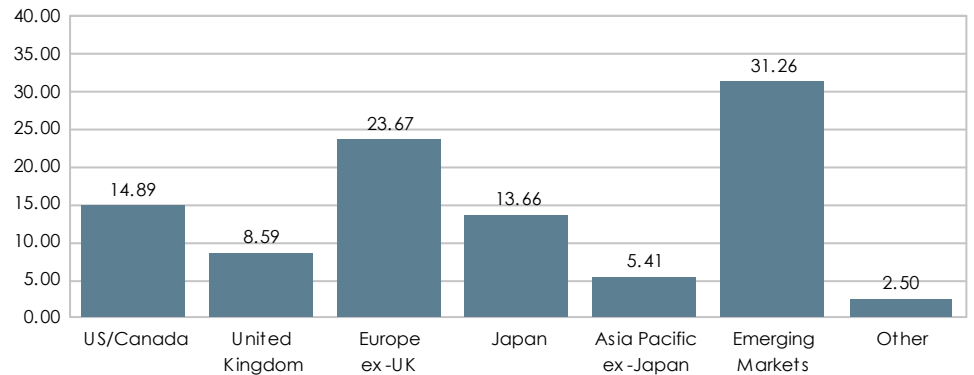
#### Sector Allocation



#### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

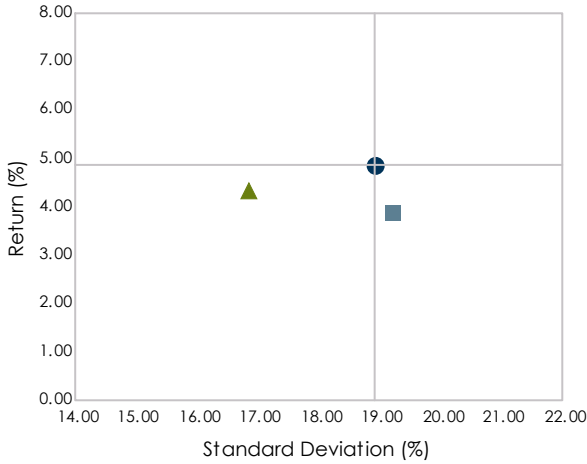
#### Region Allocation



### Vanguard All World ex-US Small Cap

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

MSCI ACWI ex US SC NetDiv	
Beta	1.01
Up Capture (%)	99.35
Down Capture (%)	106.18

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard AW ex-US SC *	10.41	70	--	--
MSCI ACWI ex US SC NetDiv	10.12	--	--	--
MF Foreign Small/Mid Cap Core Net	10.74	--	--	--

*				
<b>1 Year</b>				
Vanguard AW ex-US SC *	15.14	37	11.76	0.86
MSCI ACWI ex US SC NetDiv	15.66	--	9.93	1.07
MF Foreign Small/Mid Cap Core Net	14.78	--	17.59	0.54

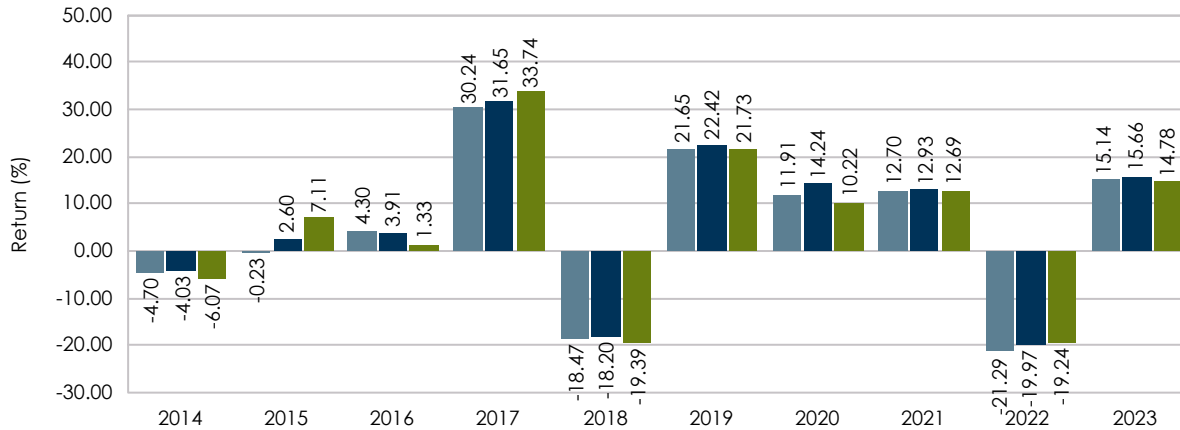
*				
<b>3 Years</b>				
Vanguard AW ex-US SC *	0.71	62	17.42	-0.08
MSCI ACWI ex US SC NetDiv	1.49	--	16.99	-0.04
MF Foreign Small/Mid Cap Core Net	1.58	--	18.29	-0.03

*				
<b>5 Years</b>				
Vanguard AW ex-US SC *	6.81	60	24.35	0.20
MSCI ACWI ex US SC NetDiv	7.89	--	23.88	0.25
MF Foreign Small/Mid Cap Core Net	7.11	--	20.35	0.26

*				
<b>10 Years</b>				
Vanguard AW ex-US SC *	3.89	74	19.20	0.14
MSCI ACWI ex US SC NetDiv	4.88	--	18.91	0.19
MF Foreign Small/Mid Cap Core Net	4.33	--	16.85	0.18

*				
---	--	--	--	--

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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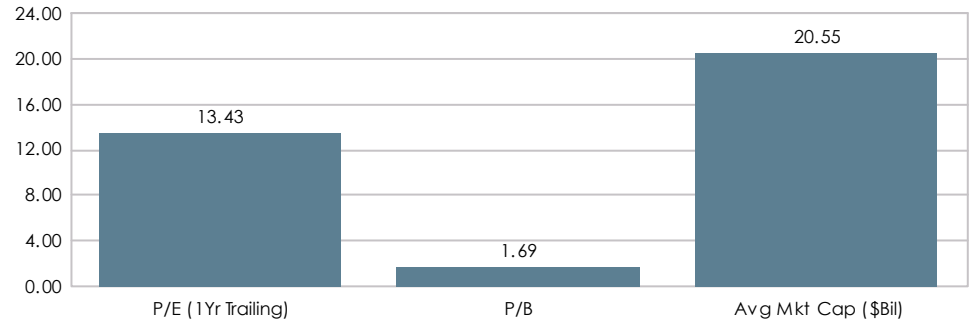
## Vanguard Emerging Markets Stock Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VEMAX
- **Assets \$(Millions)** 72,061
- **Expense Ratio** 0.14%
- **Strategy** Emerging Markets Equity Large Cap Core
- **Benchmark(s)** MSCI EM NetDiv
- **Universe(s)** MF Diversified Emerging Markets Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 11.75
- **Manager** Multiple

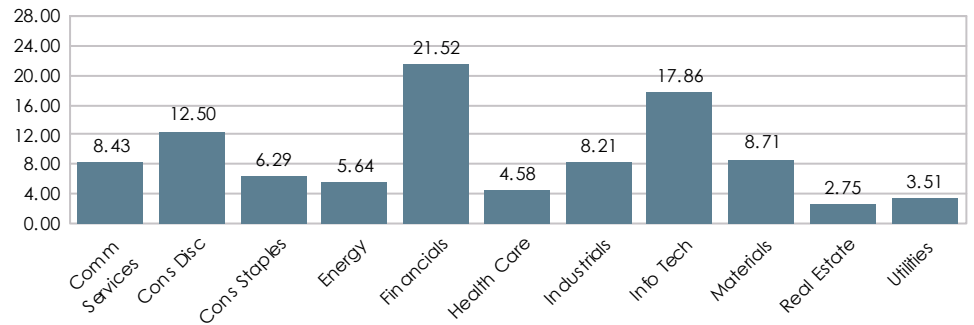
### Characteristics



### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of stocks issued by companies located in emerging market countries. The fund employs an indexing investment approach designed to track the performance of the FTSE Emerging Markets All Cap China A Inclusion Index. It invests by sampling the index, meaning that it holds a broadly diversified collection of securities that, in the aggregate, approximates the index in terms of key characteristics.

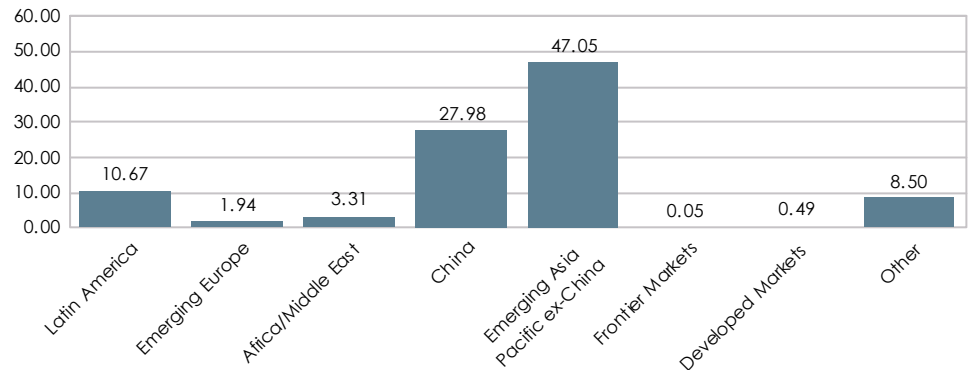
### Sector Allocation



### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

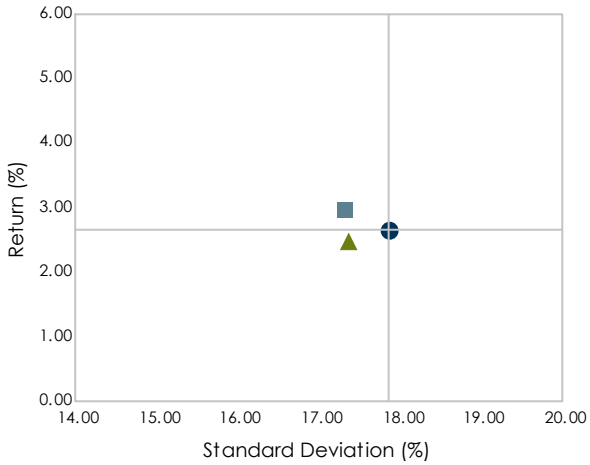
### Region Allocation



### Vanguard Emerging Markets Stock Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

MSCI EM NetDiv	
Beta	0.96
Up Capture (%)	96.44
Down Capture (%)	94.62

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Vanguard EM Stock Index *	6.56	78	--	--
MSCI EM NetDiv	7.86	--	--	--
MF Diversified Emerging Markets Net *	7.77	--	--	--

#### 1 Year

Vanguard EM Stock Index *	9.21	66	7.41	0.57
MSCI EM NetDiv	9.83	--	9.16	0.53
MF Diversified Emerging Markets Net *	10.93	--	18.03	0.32

#### 3 Years

Vanguard EM Stock Index *	-3.25	30	12.81	-0.42
MSCI EM NetDiv	-5.08	--	14.52	-0.50
MF Diversified Emerging Markets Net *	-5.77	--	17.98	-0.44

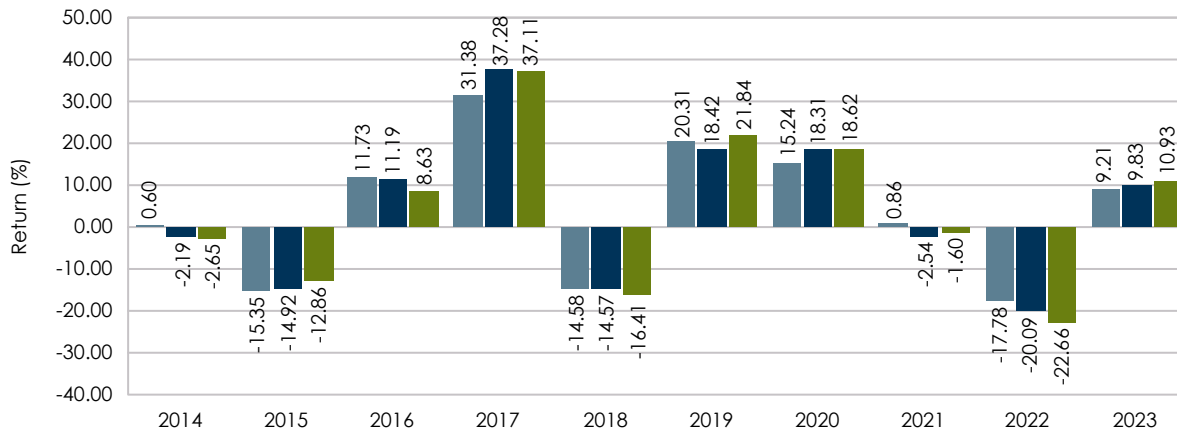
#### 5 Years

Vanguard EM Stock Index *	4.66	38	20.70	0.13
MSCI EM NetDiv	3.68	--	21.37	0.08
MF Diversified Emerging Markets Net *	3.95	--	19.95	0.11

#### 10 Years

Vanguard EM Stock Index *	2.98	39	17.32	0.10
MSCI EM NetDiv	2.66	--	17.87	0.08
MF Diversified Emerging Markets Net *	2.49	--	17.36	0.07

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Intermediate IG Fund

For the Period Ending December 31, 2023

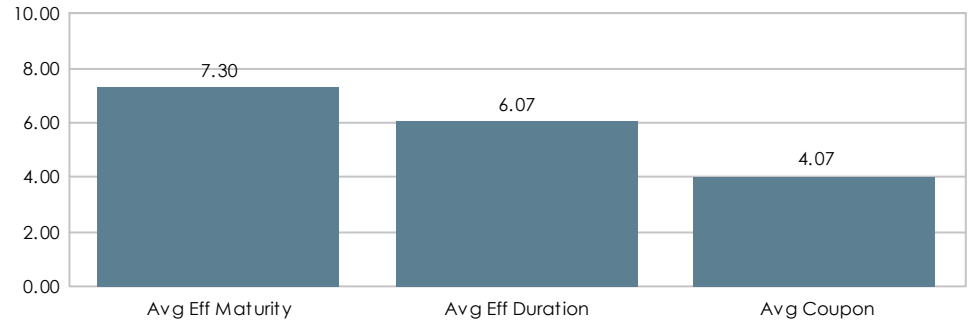
#### Fund Information

- **Ticker** VFIDX
- **Assets \$(Millions)** 32,188
- **Expense Ratio** 0.10%
- **Strategy** Intermediate Core Bonds
- **Benchmark(s)** Bloomberg US Credit Int
- **Universe(s)** MF Intermediate Core Bond Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 5.04
- **Manager** Multiple

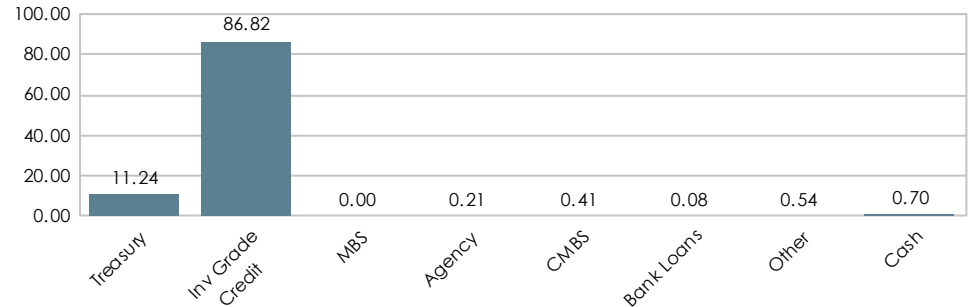
#### Investment Strategy

The investment seeks to provide a moderate and sustainable level of current income. The fund invests in a variety of high-quality and, to a lesser extent, medium-quality fixed income securities, at least 80% of which will be short- and intermediate-term investment-grade securities. High-quality fixed income securities are those rated the equivalent of A3 or better; medium-quality fixed income securities are those rated the equivalent of Baa1, Baa2, or Baa3. It is expected to maintain a dollar-weighted average maturity of 5 to 10 years.

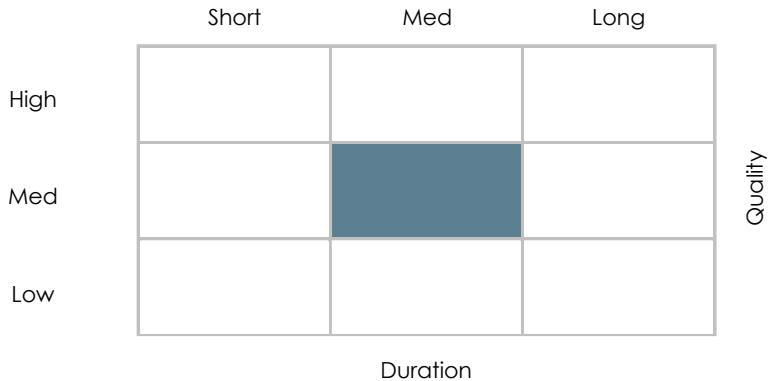
#### Characteristics



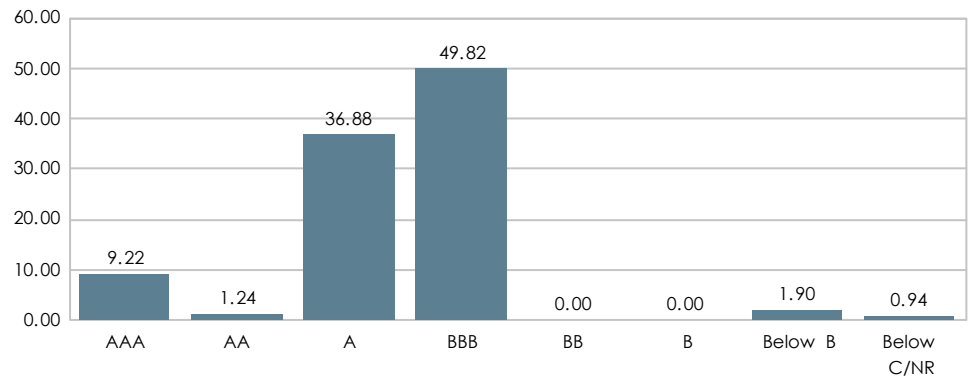
#### Sector Allocation



#### Morningstar Investment Style



#### Quality Allocation



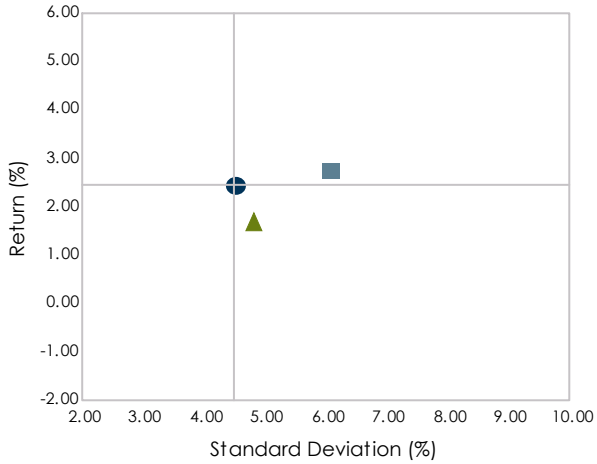
Under Sector Allocation "other" may consist of ABS, Convertibles, and Municipals.

Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Intermediate IG Fund

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

Bloomberg US Credit Int	
Beta	1.32
Up Capture (%)	128.11
Down Capture (%)	140.95

**Return (%)**   **Rank**   **Std Dev (%)**   **Sharpe Ratio**

#### 3 Months

Vanguard Intermediate IG *	8.20	2	--	--
Bloomberg US Credit Int	5.60		--	--
MF Intermediate Core Bond Net *	6.70		--	--

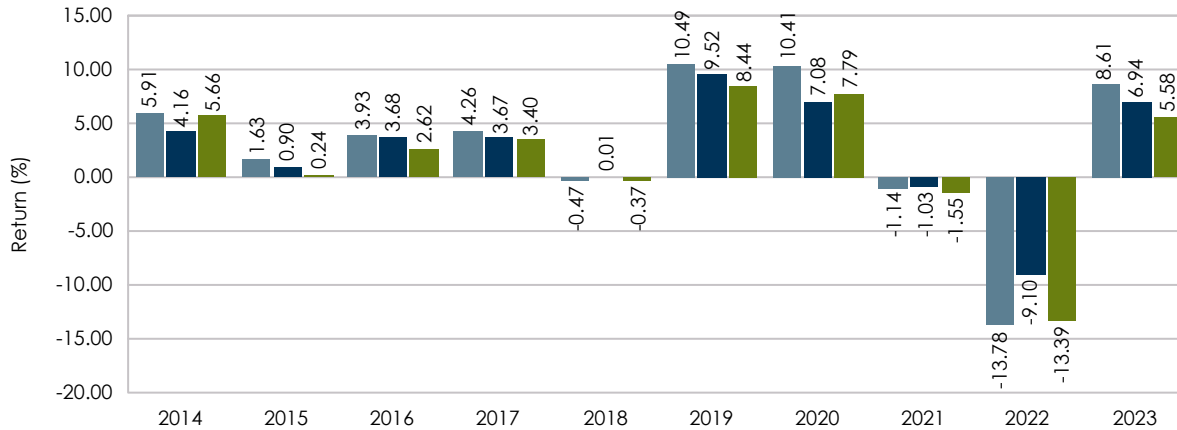
#### 1 Year

Vanguard Intermediate IG *	8.61	2	9.73	0.37
Bloomberg US Credit Int	6.94		5.95	0.32
MF Intermediate Core Bond Net *	5.58		8.51	0.06

#### 3 Years

Vanguard Intermediate IG *	-2.54	11	9.06	-0.52
Bloomberg US Credit Int	-1.28		6.01	-0.57
MF Intermediate Core Bond Net *	-3.43		7.25	-0.78

#### Calendar Year Returns



#### 5 Years

Vanguard Intermediate IG *	2.46	2	8.11	0.07
Bloomberg US Credit Int	2.44		6.00	0.09
MF Intermediate Core Bond Net *	1.07		6.29	-0.12

#### 10 Years

Vanguard Intermediate IG *	2.74	3	6.08	0.25
Bloomberg US Credit Int	2.46		4.50	0.27
MF Intermediate Core Bond Net *	1.69		4.82	0.10

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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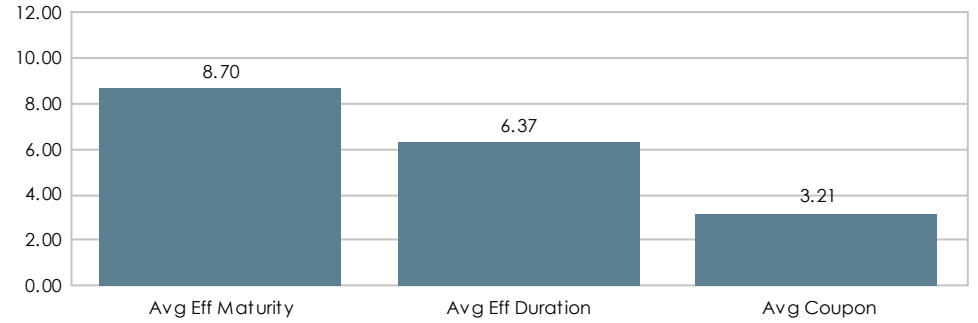
## Vanguard Total Bond Index

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VBTLX
- **Assets \$(Millions)** 104,837
- **Expense Ratio** 0.05%
- **Strategy** Intermediate Core Bonds
- **Benchmark(s)** Bloomberg US Aggregate
- **Universe(s)** MF Intermediate Core Bond Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 11
- **Manager** Joshua C. Barrickman

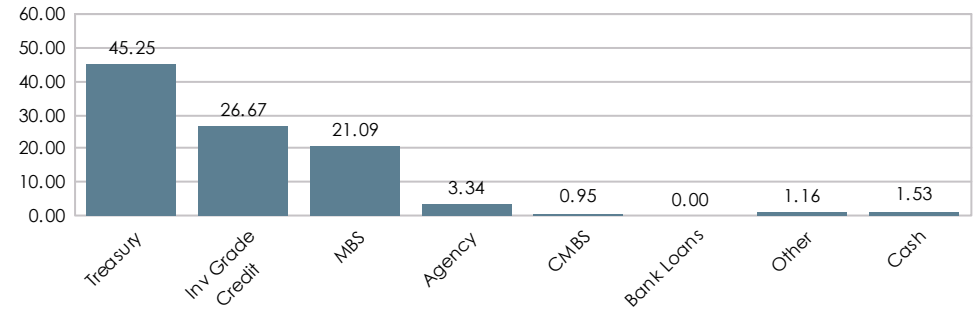
### Characteristics



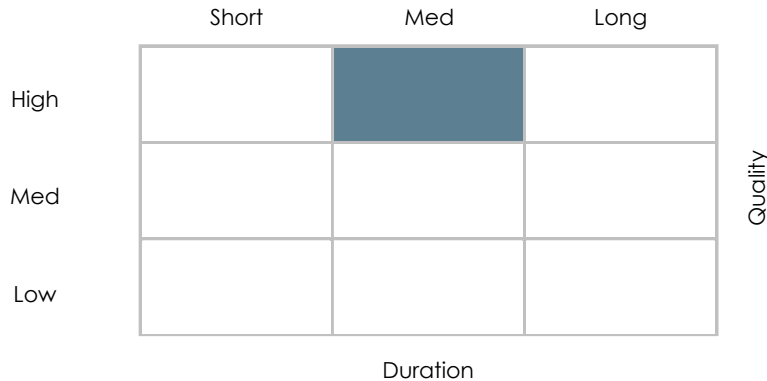
### Investment Strategy

The investment seeks the performance of a broad, market-weighted bond index. The fund employs an indexing investment approach designed to track the performance of the Bloomberg Barclays U.S. Aggregate Float Adjusted Index. This index represents a wide spectrum of public, investment-grade, taxable, fixed income securities in the United States-including government, corporate, and international dollar-denominated bonds, as well as mortgage-backed and asset-backed securities-all with maturities of more than 1 year. All of its investments will be selected through the sampling process, and at least 80% of its assets will be invested in bonds held in the index.

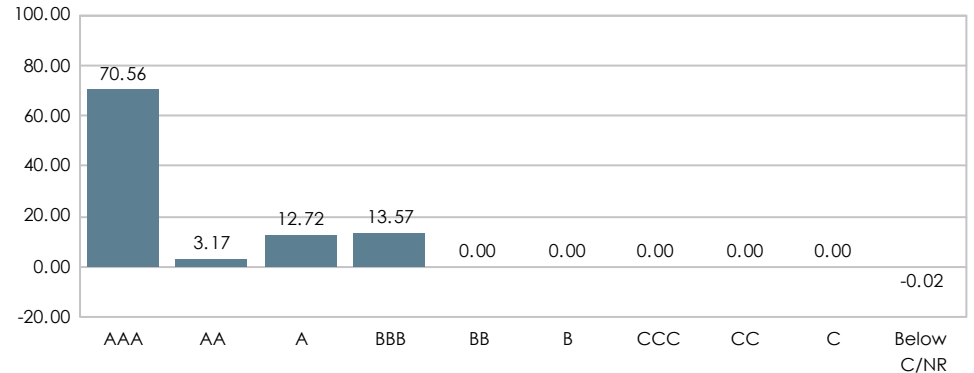
### Sector Allocation



### Morningstar Investment Style



### Quality Allocation



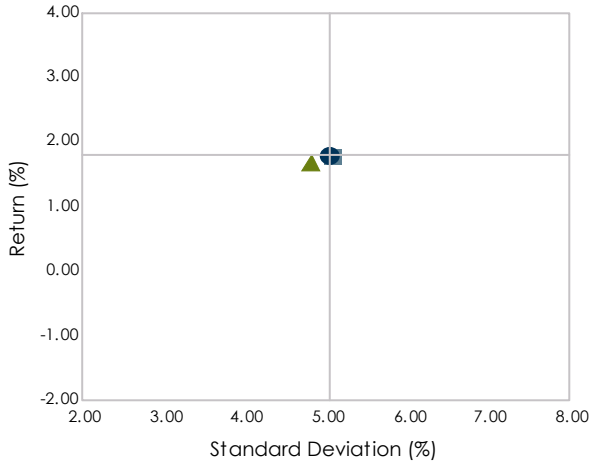
Under Sector Allocation "other" may consist of ABS, Convertibles, and Municipals.

Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Total Bond Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

##### Bloomberg US Aggregate

Beta	1.01
Up Capture (%)	100.56
Down Capture (%)	101.54

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Vanguard Total Bond *	6.69	53	--	--
Bloomberg US Aggregate	6.82	--	--	--
MF Intermediate Core Bond Net *	6.70	--	--	--

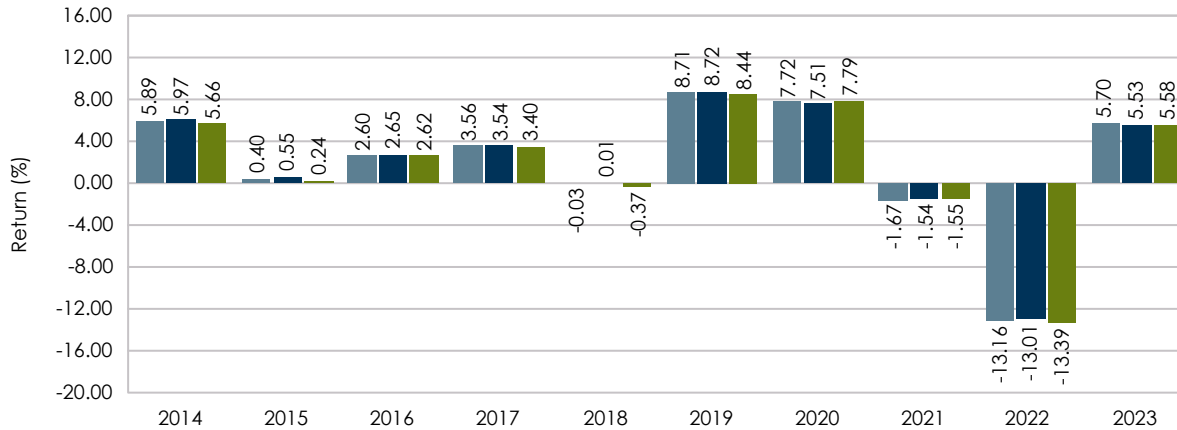
#### 1 Year

Vanguard Total Bond *	5.70	44	8.68	0.08
Bloomberg US Aggregate	5.53	--	8.81	0.06
MF Intermediate Core Bond Net *	5.58	--	8.51	0.06

#### 3 Years

Vanguard Total Bond *	-3.36	43	7.56	-0.73
Bloomberg US Aggregate	-3.31	--	7.56	-0.72
MF Intermediate Core Bond Net *	-3.43	--	7.25	-0.78

#### Calendar Year Returns



#### 5 Years

Vanguard Total Bond *	1.11	48	6.60	-0.12
Bloomberg US Aggregate	1.10	--	6.57	-0.12
MF Intermediate Core Bond Net *	1.07	--	6.29	-0.12

#### 10 Years

Vanguard Total Bond *	1.79	40	5.08	0.11
Bloomberg US Aggregate	1.81	--	5.04	0.11
MF Intermediate Core Bond Net *	1.69	--	4.82	0.10

\* Net of Fee Returns

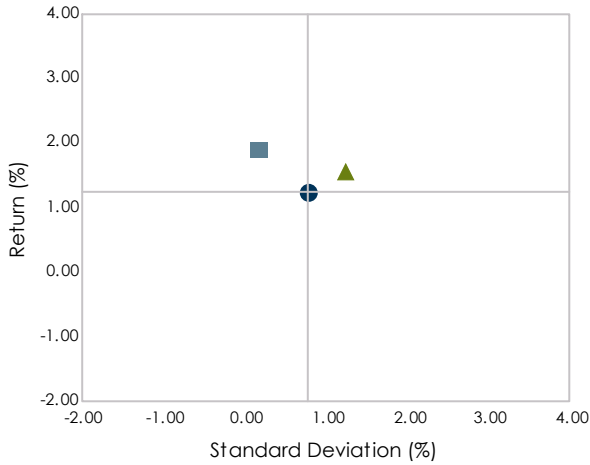
Performance and statistics are calculated using quarterly return data.

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### Vanguard Retirement Savings Trust

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

US T-Bills 90 Day	
Beta	0.15
Up Capture (%)	149.35
Down Capture (%)	43,797.79

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard RST *	0.62	99	--	--
US T-Bills 90 Day	1.37	--	--	--
MF Ultrashort Bond Net *	1.81	--	--	--

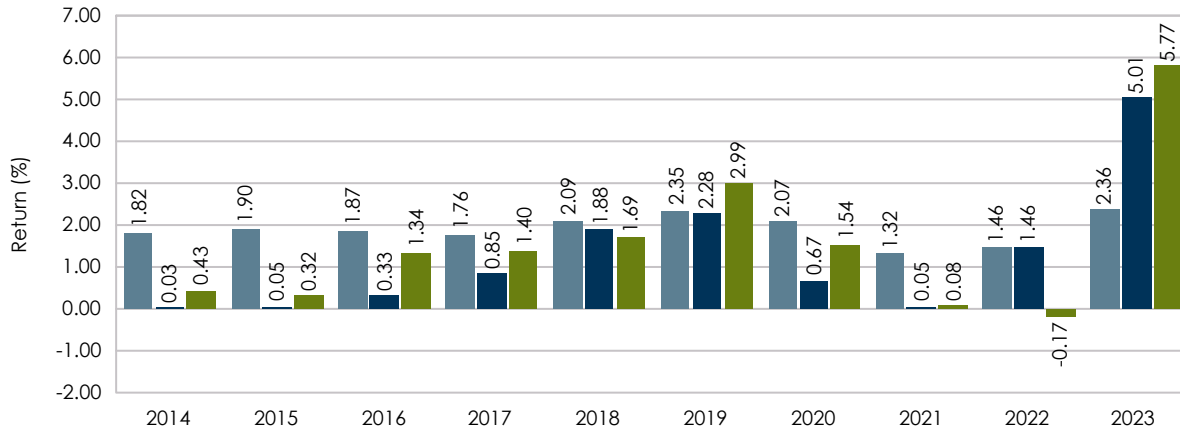
#### 1 Year

Vanguard RST *	2.36	99	0.09	-30.40
US T-Bills 90 Day	5.01		0.27	0.00
MF Ultrashort Bond Net *	5.77		0.85	0.79

#### 3 Years

Vanguard RST *	1.71	68	0.26	-1.70
US T-Bills 90 Day	2.15		1.15	0.00
MF Ultrashort Bond Net *	1.90		1.10	-0.28

#### Calendar Year Returns



#### 5 Years

Vanguard RST *	1.91	71	0.24	0.14
US T-Bills 90 Day	1.88		0.95	0.00
MF Ultrashort Bond Net *	2.07		1.55	0.15

#### 10 Years

Vanguard RST *	1.90	17	0.17	3.75
US T-Bills 90 Day	1.25		0.78	0.00
MF Ultrashort Bond Net *	1.56		1.24	0.27

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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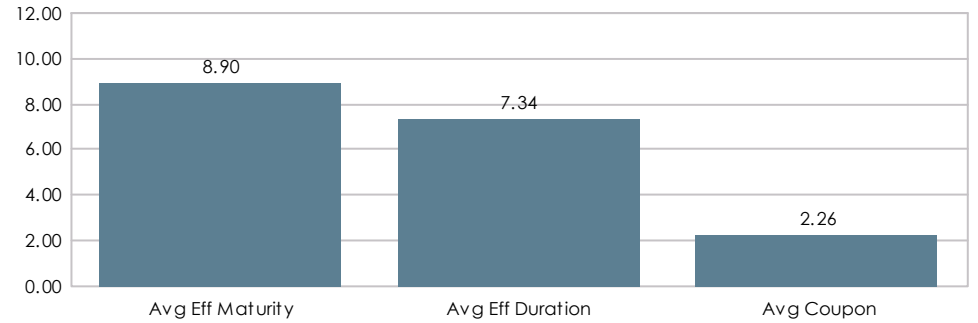
### Vanguard Total International Bond Index

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VTABX
- **Assets \$(Millions)** 85,195
- **Expense Ratio** 0.11%
- **Strategy** International Core Bonds
- **Benchmark(s)** Bloomberg Gbl Aggregate Bd US Hgd
- **Universe(s)** MF Global Bond-USD Hedged Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 6.08
- **Manager** Multiple

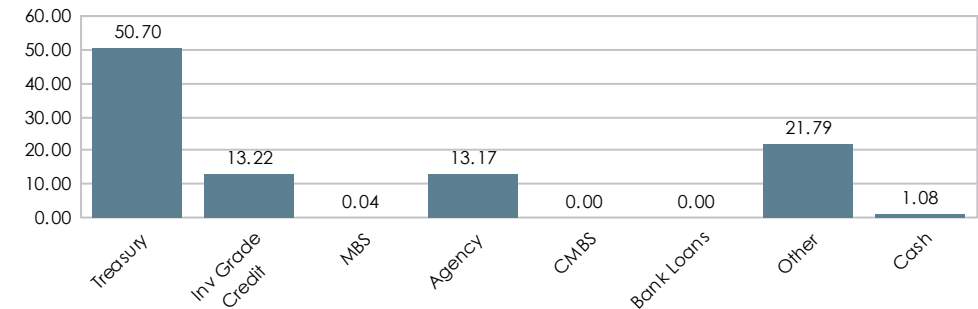
#### Characteristics



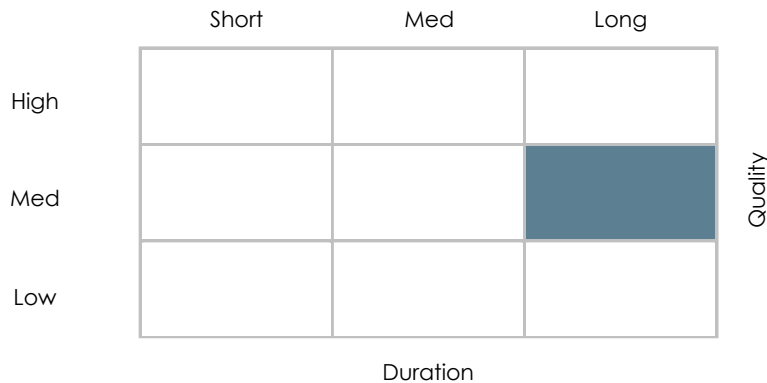
#### Investment Strategy

The investment seeks to track the performance of a benchmark index that measures the investment return of non-U.S. dollar-denominated investment-grade bonds. The fund employs an indexing investment approach designed to track the performance of the Bloomberg Barclays Global Aggregate ex-USD Float Adjusted RIC Capped Index (USD Hedged). This index provides a broad-based measure of the global, investment-grade, fixed-rate debt markets. It is non-diversified.

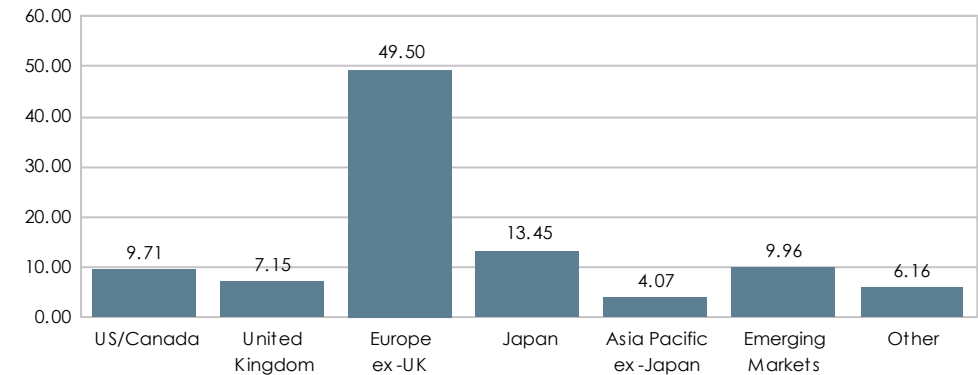
#### Sector Allocation



#### Morningstar Investment Style



#### Region Allocation



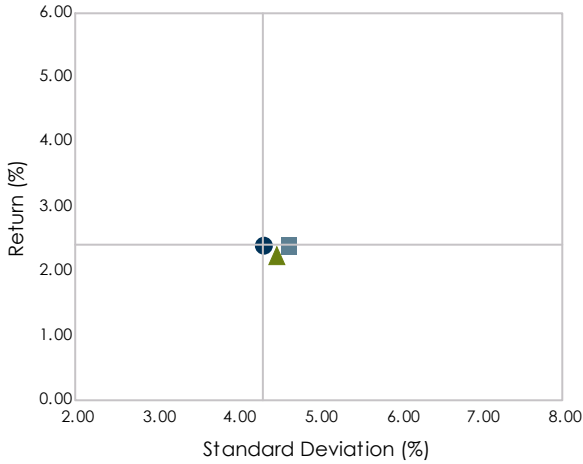
Under Sector Allocation "other" may consist of ABS, Convertibles, and Municipals.

Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Total International Bond Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



**Bloomberg Gbl Aggregate**

Beta	1.05
Up Capture (%)	101.50
Down Capture (%)	103.47

#### 10 Years Relative Statistics

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

■ Vanguard Total Int'l Bond *	6.51	61	--	--
● Bloomberg Gbl Aggregate Bd US Hgd	5.99		--	--
▲ MF Global Bond-USD Hedged Net *	6.65		--	--

#### 1 Year

Vanguard Total Int'l Bond *	8.83	24	7.10	0.54
Bloomberg Gbl Aggregate Bd US Hgd	7.15		6.82	0.31
MF Global Bond-USD Hedged Net *	7.71		6.75	0.39

#### 3 Years

Vanguard Total Int'l Bond *	-2.51	50	6.64	-0.70
Bloomberg Gbl Aggregate Bd US Hgd	-2.11		6.24	-0.68
MF Global Bond-USD Hedged Net *	-2.52		6.21	-0.75

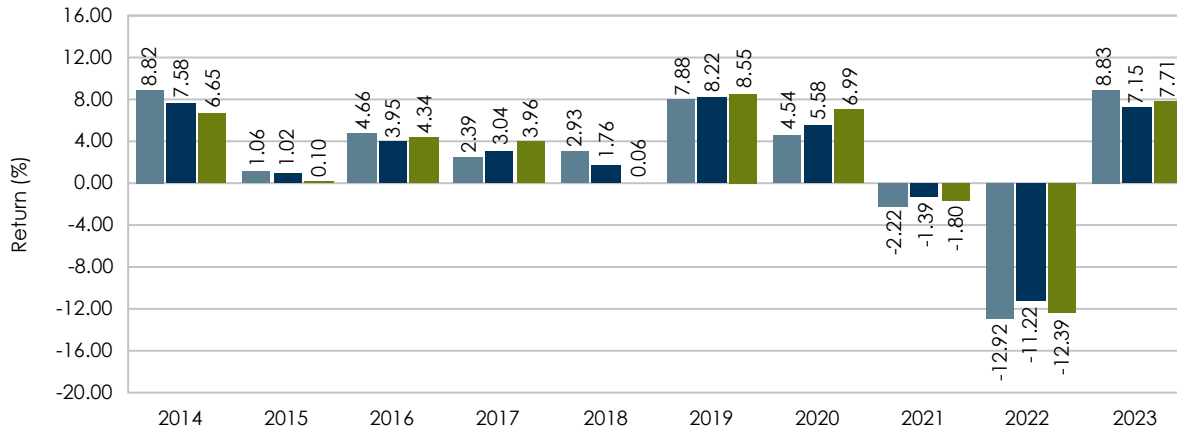
#### 5 Years

Vanguard Total Int'l Bond *	0.88	76	5.80	-0.17
Bloomberg Gbl Aggregate Bd US Hgd	1.40		5.44	-0.09
MF Global Bond-USD Hedged Net *	1.38		5.91	-0.07

#### 10 Years

Vanguard Total Int'l Bond *	2.40	31	4.62	0.25
Bloomberg Gbl Aggregate Bd US Hgd	2.41		4.31	0.27
MF Global Bond-USD Hedged Net *	2.25		4.48	0.20

#### Calendar Year Returns



\* Net of Fee Returns

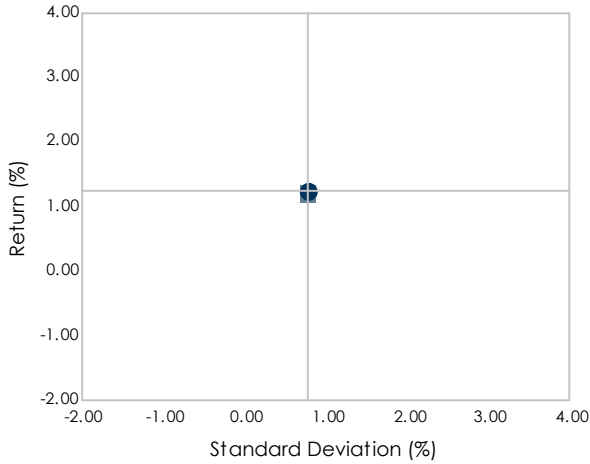
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### Vanguard Federal Money Market

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

US T-Bills 90 Day	
Beta	1.00
Up Capture (%)	96.56
Down Capture (%)	-1,764.71

#### 3 Months

	Return (%)	Std Dev (%)	Sharpe Ratio
Vanguard Federal MM *	1.34	--	--
US T-Bills 90 Day	1.37	--	--

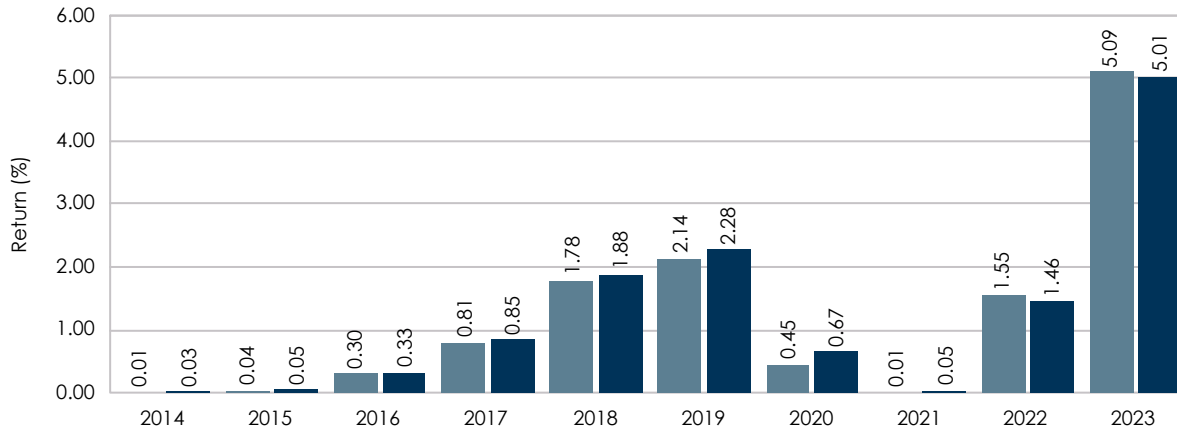
#### 1 Year

Vanguard Federal MM *	5.09	0.22	0.35
US T-Bills 90 Day	5.01	0.27	0.00

#### 3 Years

Vanguard Federal MM *	2.20	1.17	0.04
US T-Bills 90 Day	2.15	1.15	0.00

#### Calendar Year Returns



#### 5 Years

Vanguard Federal MM *	1.83	0.97	-0.05
US T-Bills 90 Day	1.88	0.95	0.00

#### 10 Years

Vanguard Federal MM *	1.21	0.78	-0.05
US T-Bills 90 Day	1.25	0.78	0.00

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard REIT Index

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VGS LX
- **Assets \$(Millions)** 31,801
- **Expense Ratio** 0.12%
- **Strategy** Core Real Estate - Mid Core
- **Benchmark(s)** FTSE NAREIT Equity REITs
- **Universe(s)** MF Real Estate Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 17.75
- **Manager** Multiple

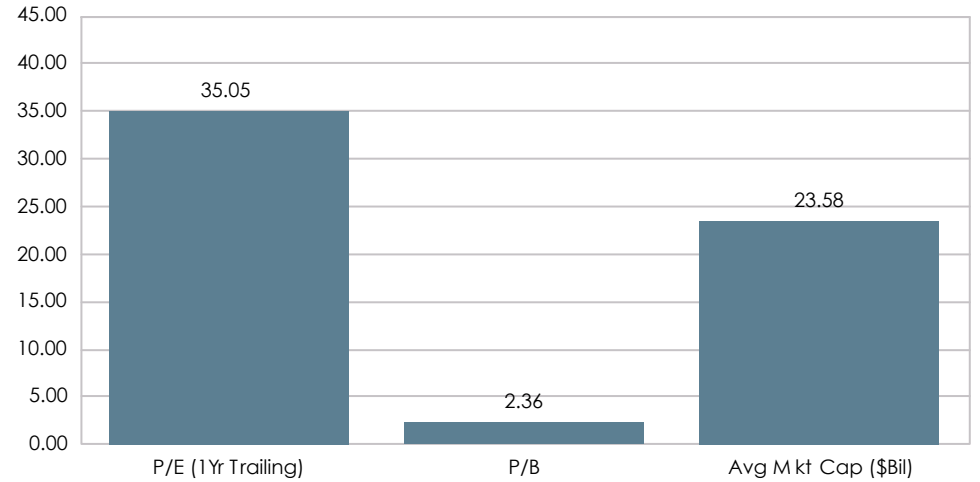
#### Investment Strategy

The investment seeks to provide a high level of income and moderate long-term capital appreciation by tracking the performance of the MSCI US Investable Market Real Estate 25/50 Index that measures the performance of publicly traded equity REITs and other real estate-related investments. The advisor attempts to track the index by investing all, or substantially all, of its assets—either directly or indirectly through a wholly owned subsidiary, which is itself a registered investment company—in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting in the index. The fund is non-diversified.

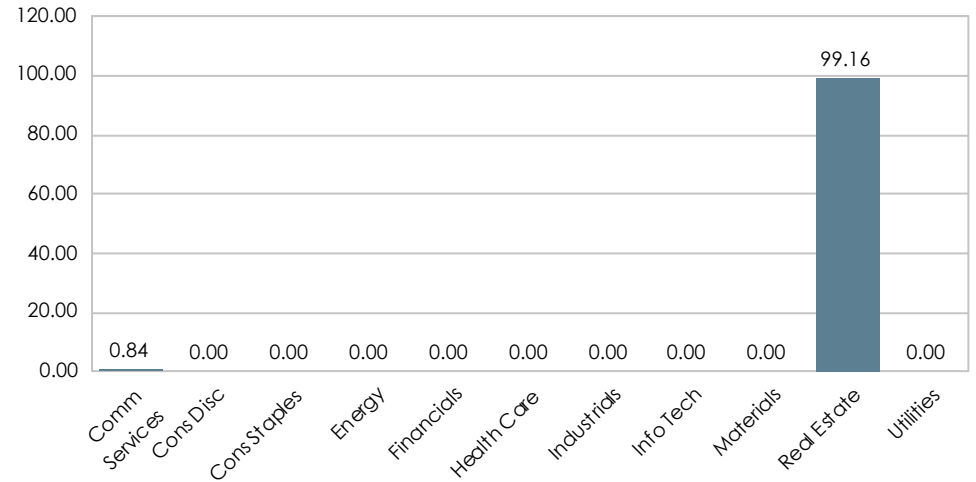
#### ACG Investment Style

	Value	Core	Growth
Large			
Mid			
Small			

#### Characteristics



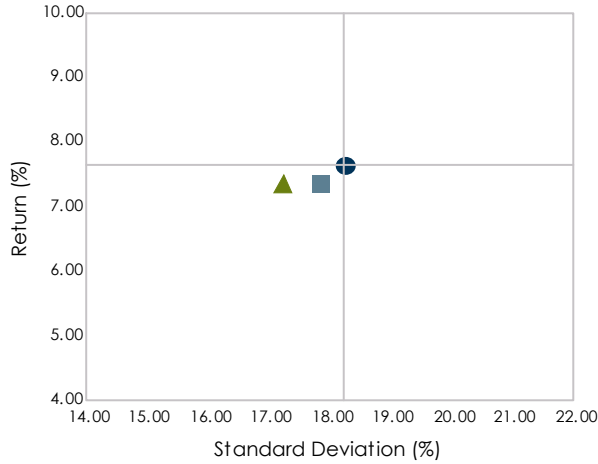
#### Sector Allocation



### Vanguard REIT Index

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

FTSE NAREIT Equity REITs	
Beta	0.97
Up Capture (%)	96.89
Down Capture (%)	98.17

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard REIT *	18.13	12	--	--
FTSE NAREIT Equity REITs	16.22	--	--	--
MF Real Estate Net *	16.41	--	--	--

#### 1 Year

Vanguard REIT *	11.81	56	22.05	0.31
FTSE NAREIT Equity REITs	13.73		19.19	0.45
MF Real Estate Net *	11.98		21.75	0.32

#### 3 Years

Vanguard REIT *	5.02	65	21.06	0.14
FTSE NAREIT Equity REITs	7.21		20.78	0.24
MF Real Estate Net *	5.43		21.29	0.15

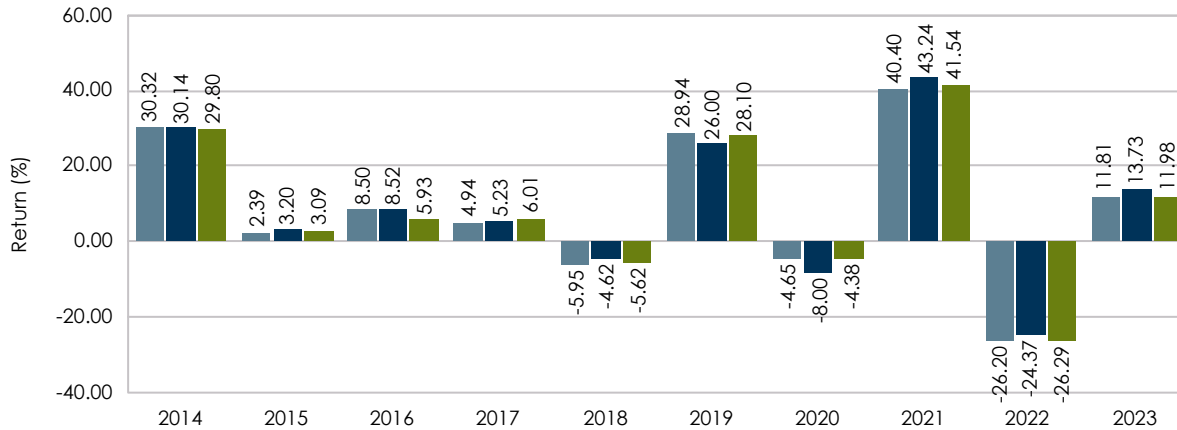
#### 5 Years

Vanguard REIT *	7.33	55	22.23	0.25
FTSE NAREIT Equity REITs	7.39		22.84	0.24
MF Real Estate Net *	7.40		20.42	0.27

#### 10 Years

Vanguard REIT *	7.36	50	17.85	0.34
FTSE NAREIT Equity REITs	7.65		18.24	0.35
MF Real Estate Net *	7.35		17.23	0.36

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Wellington

For the Period Ending December 31, 2023

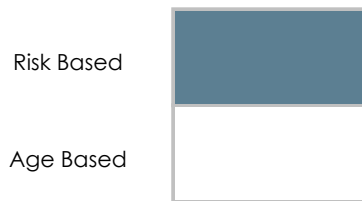
### Fund Information

- **Ticker** VWENX
- **Assets \$(Millions)** 107,371
- **Expense Ratio** 0.17%
- **Strategy** Balanced
- **Benchmark(s)** 60% S&P 500/40% Bloomberg US Agg
- **Universe(s)** MF Moderate Allocation Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 6
- **Manager** Multiple

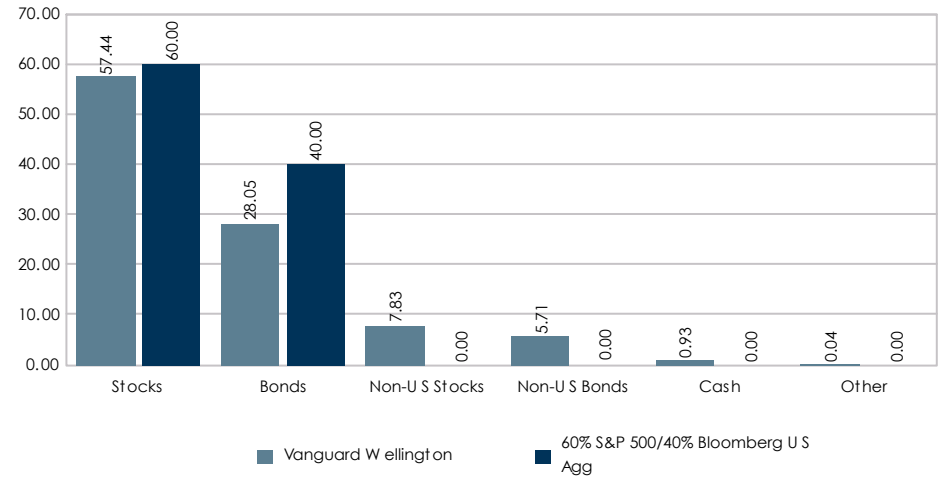
### Investment Strategy

The investment seeks to provide long-term capital appreciation and moderate current income. The fund invests 60% to 70% of its assets in dividend-paying and, to a lesser extent, non-dividend-paying common stocks of established large companies. The remaining 30% to 40% of the fund's assets are invested mainly in fixed income securities that the advisor believes will generate a moderate level of current income. These securities include investment-grade corporate bonds, with some exposure to U.S. Treasury and government agency bonds, and mortgage-backed securities.

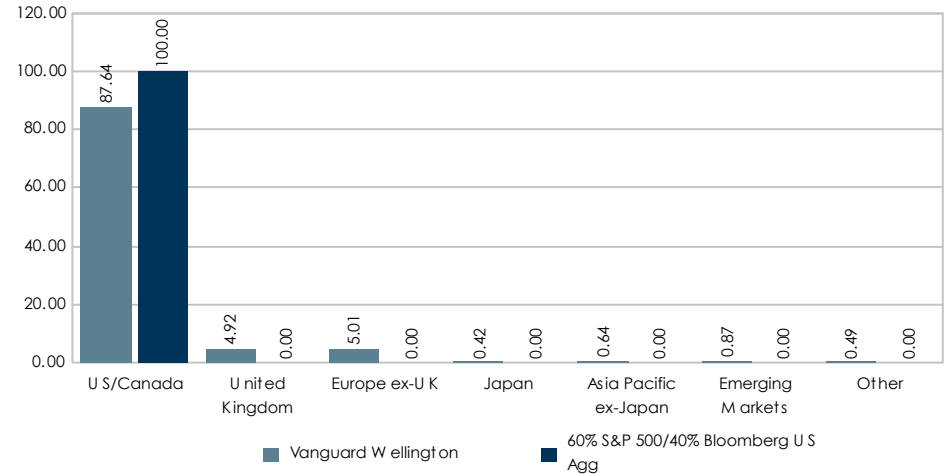
### Asset Allocation Fund Type



### Asset Allocation



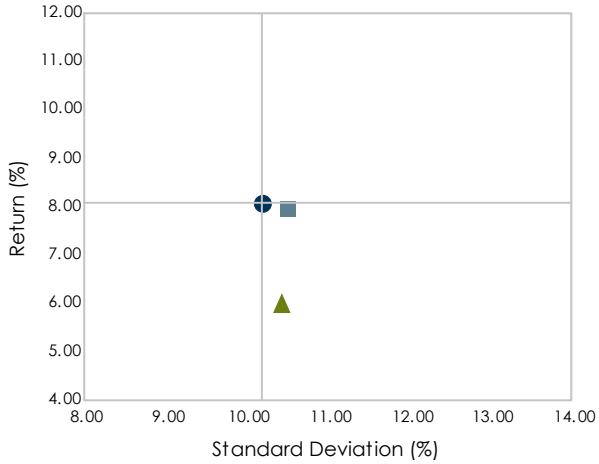
### Region Allocation



### Vanguard Wellington

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**60% S&P  
500/40%  
Bloomberg**

Beta 1.01  
Up Capture (%) 102.42  
Down Capture (%) 107.16

**Return (%) Rank Std Dev (%) Sharpe Ratio**

#### 3 Months

Vanguard Wellington *	9.66	26	--	--
60% S&P 500/40% Bloomberg US Agg	9.74	--	--	--
MF Moderate Allocation Net *	9.19	--	--	--

#### 1 Year

Vanguard Wellington *	14.43	38	10.42	0.90
60% S&P 500/40% Bloomberg US Agg	17.67		10.87	1.16
MF Moderate Allocation Net *	13.81		11.84	0.72

#### 3 Years

Vanguard Wellington *	5.33	11	12.59	0.25
60% S&P 500/40% Bloomberg US Agg	4.71		12.58	0.20
MF Moderate Allocation Net *	3.34		12.37	0.09

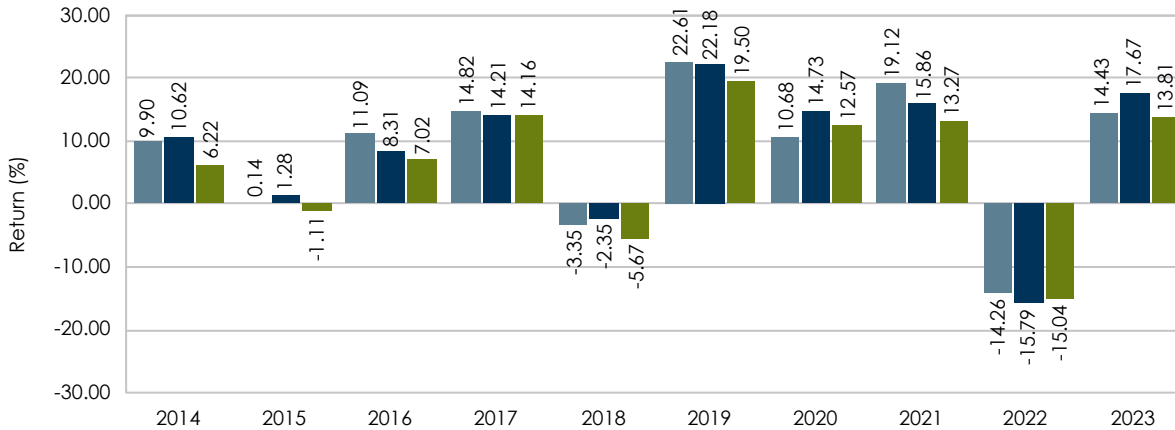
#### 5 Years

Vanguard Wellington *	9.66	15	13.74	0.57
60% S&P 500/40% Bloomberg US Agg	9.98		13.30	0.61
MF Moderate Allocation Net *	8.07		12.86	0.49

#### 10 Years

Vanguard Wellington *	7.96	8	10.50	0.64
60% S&P 500/40% Bloomberg US Agg	8.09		10.19	0.67
MF Moderate Allocation Net *	6.01		10.43	0.45

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Target Retirement Income

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VTINX
- **Assets \$(Millions)** 36,101
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date Retirement Income
- **Universe(s)** MF Target Date 2000-2010 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

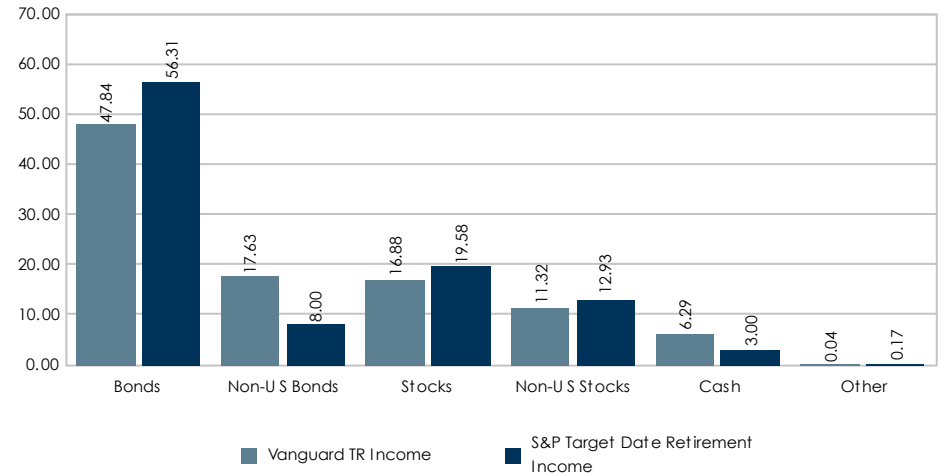
### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

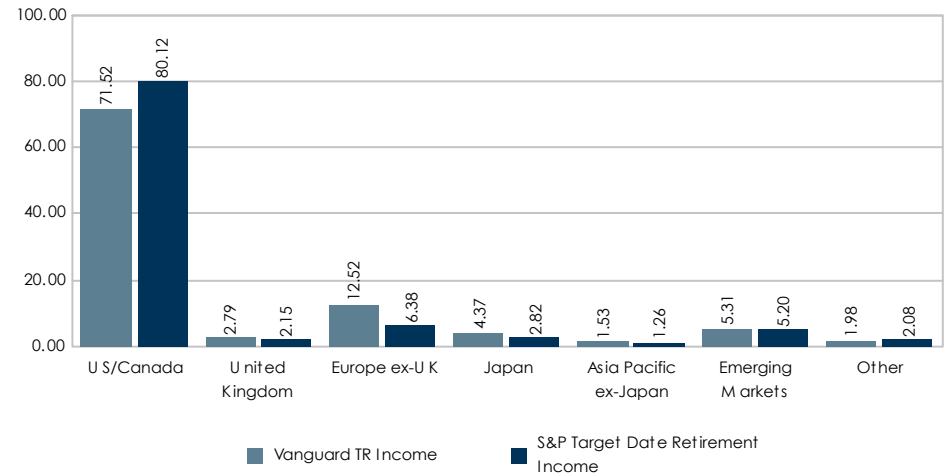
### Asset Allocation Fund Type



### Asset Allocation



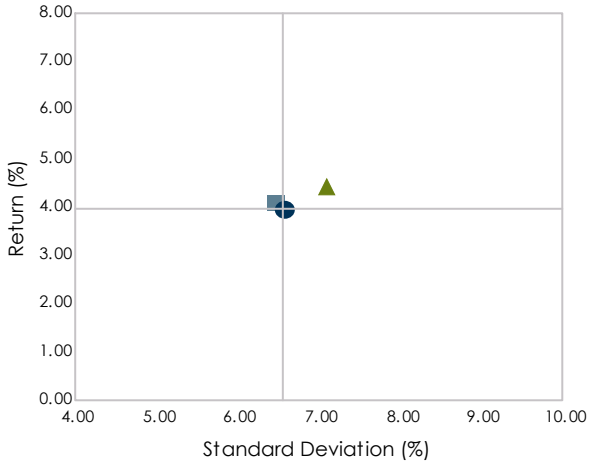
### Region Allocation



### Vanguard Target Retirement Income

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

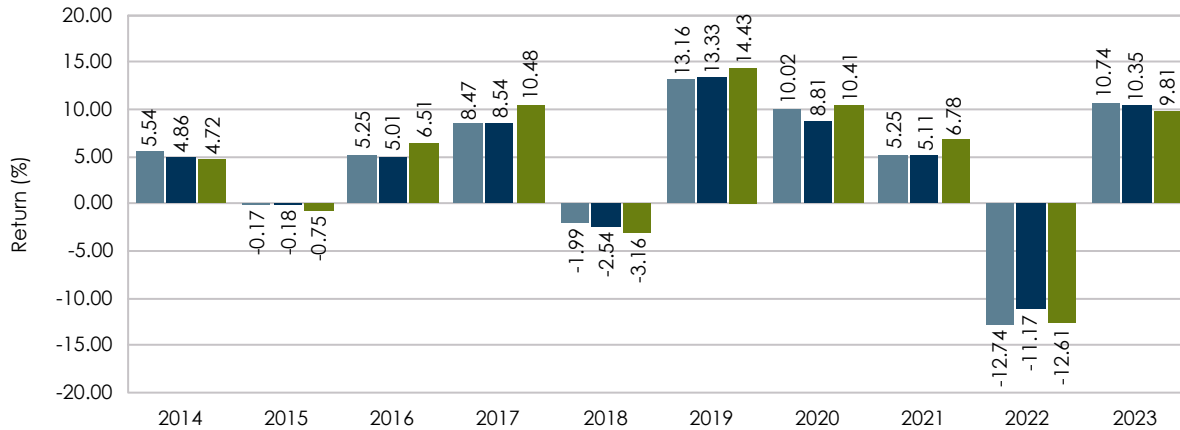
S&P Target Date Retirement	
Beta	0.98
Up Capture (%)	100.07
Down Capture (%)	97.36

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard TR Income *	7.34	35	--	--
S&P Target Date Retirement Income	7.39		--	--
MF Target Date 2000-2010 Net *	7.17		--	--

<b>1 Year</b>				
Vanguard TR Income *	10.74	27	8.26	0.69
S&P Target Date Retirement Income	10.35		8.38	0.64
MF Target Date 2000-2010 Net *	9.81		9.17	0.50

<b>3 Years</b>				
Vanguard TR Income *	0.56	53	8.65	-0.18
S&P Target Date Retirement Income	1.00		8.54	-0.14
MF Target Date 2000-2010 Net *	0.89		8.79	-0.14

#### Calendar Year Returns



<b>5 Years</b>				
Vanguard TR Income *	4.83	66	8.64	0.34
S&P Target Date Retirement Income	4.90		8.72	0.35
MF Target Date 2000-2010 Net *	5.21		8.56	0.38

<b>10 Years</b>				
Vanguard TR Income *	4.09	71	6.47	0.44
S&P Target Date Retirement Income	3.98		6.57	0.42
MF Target Date 2000-2010 Net *	4.41		7.10	0.45

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2020

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VTWNX
- **Assets \$(Millions)** 38,311
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2020
- **Universe(s)** MF Target Date 2016-2020 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

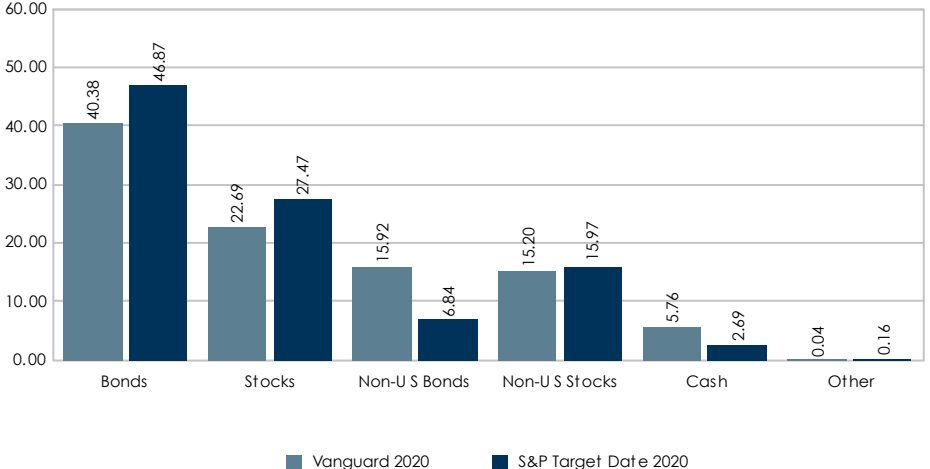
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

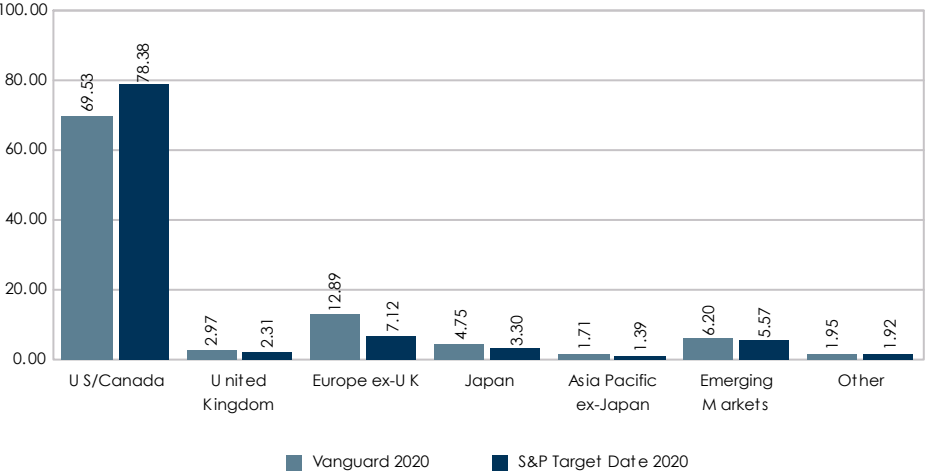
#### Asset Allocation Fund Type



#### Asset Allocation



#### Region Allocation

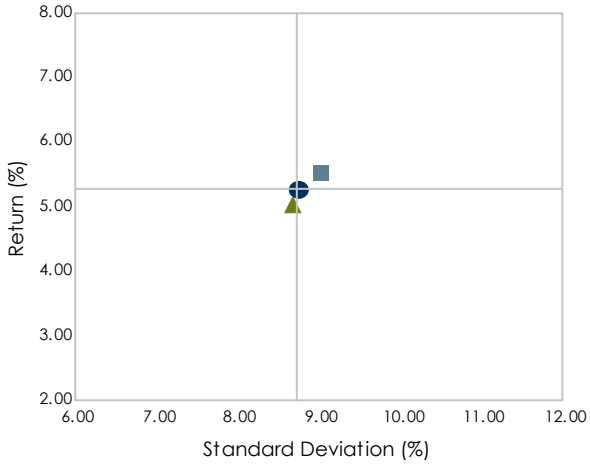


Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Target Retirement 2020

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2020**

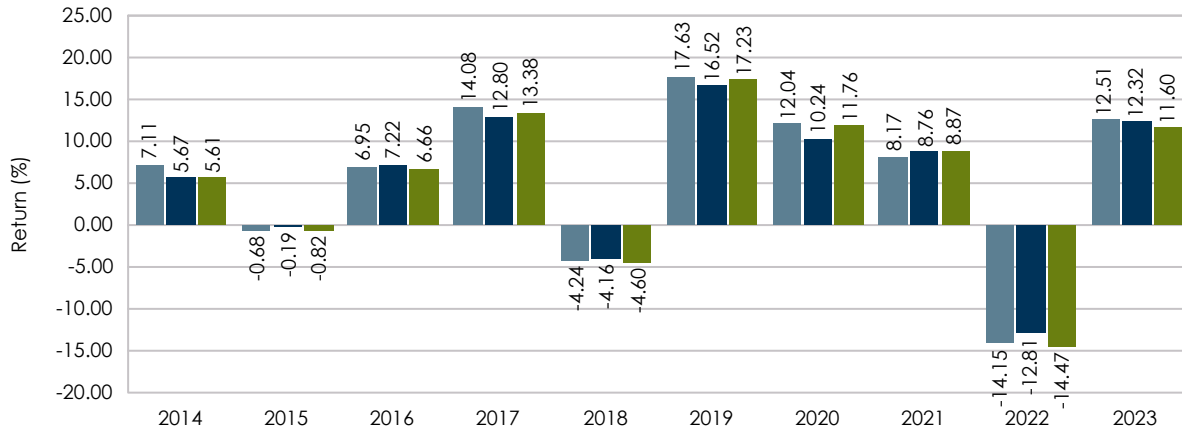
Beta	1.03
Up Capture (%)	103.05
Down Capture (%)	101.01

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard 2020 *	8.00	64	--	--
S&P Target Date 2020	8.04	--	--	--
MF Target Date 2016-2020 Net *	8.17	--	--	--

<b>1 Year</b>				
Vanguard 2020 *	12.51	27	9.00	0.83
S&P Target Date 2020	12.32	--	9.03	0.81
MF Target Date 2016-2020 Net *	11.60	--	10.30	0.63

<b>3 Years</b>				
Vanguard 2020 *	1.47	43	10.18	-0.07
S&P Target Date 2020	2.12	--	10.19	0.00
MF Target Date 2016-2020 Net *	1.24	--	10.46	-0.09

#### Calendar Year Returns



<b>5 Years</b>				
Vanguard 2020 *	6.61	36	11.65	0.41
S&P Target Date 2020	6.47	--	11.29	0.41
MF Target Date 2016-2020 Net *	6.45	--	10.63	0.42

<b>10 Years</b>				
Vanguard 2020 *	5.52	18	9.02	0.47
S&P Target Date 2020	5.28	--	8.74	0.46
MF Target Date 2016-2020 Net *	5.03	--	8.68	0.44

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Target Retirement 2025

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VTTVX
- **Assets \$(Millions)** 75,696
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2025
- **Universe(s)** MF Target Date 2021-2025 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

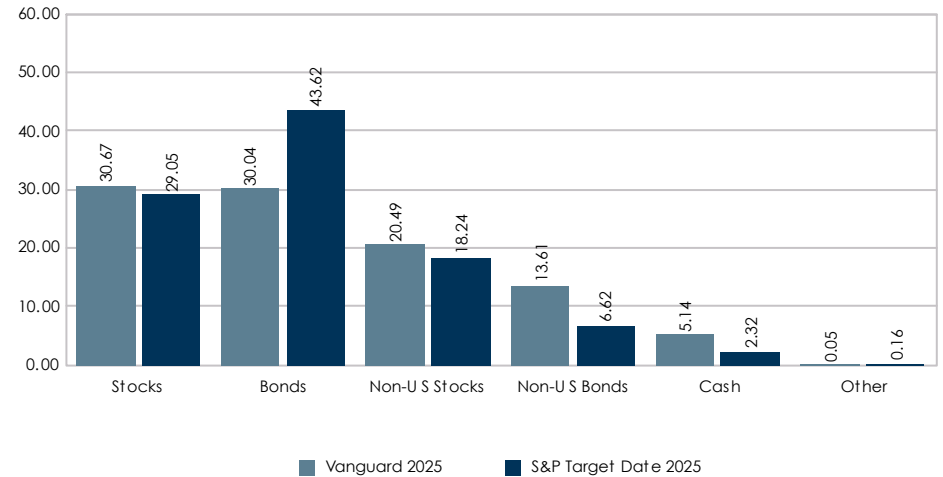
### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

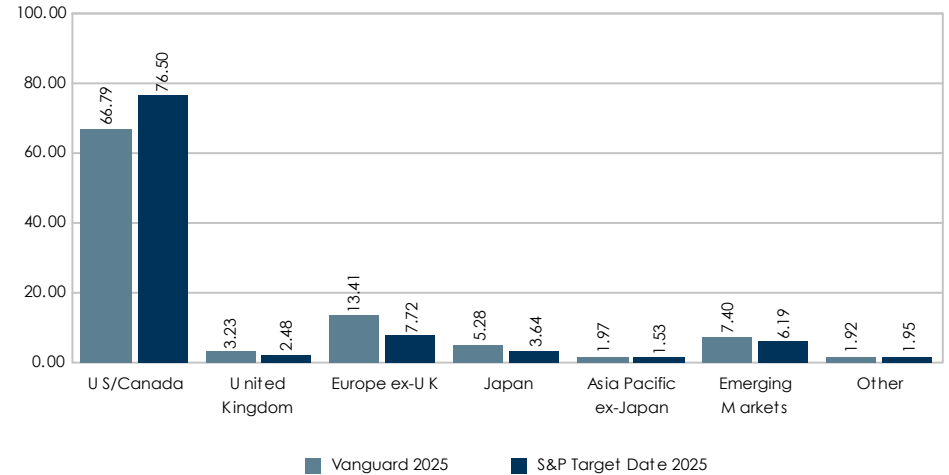
### Asset Allocation Fund Type



### Asset Allocation



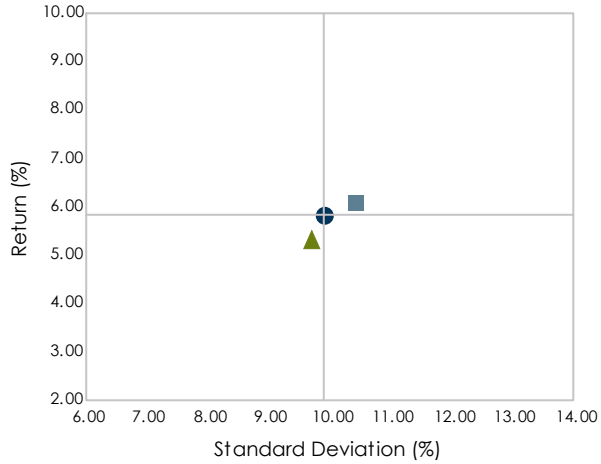
### Region Allocation



### Vanguard Target Retirement 2025

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

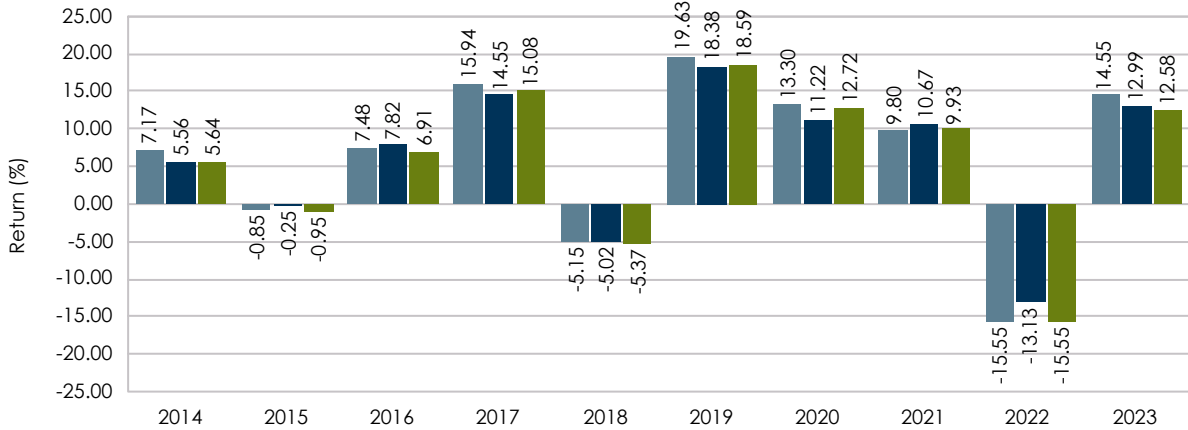
<b>S&amp;P Target Date 2025</b>	
Beta	1.05
Up Capture (%)	104.68
Down Capture (%)	104.12

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard 2025 *	8.87	31	--	--
S&P Target Date 2025	8.28	--	--	--
MF Target Date 2021-2025 Net *	8.61	--	--	--

<b>1 Year</b>				
Vanguard 2025 *	14.55	5	9.95	0.96
S&P Target Date 2025	12.99		9.28	0.86
MF Target Date 2021-2025 Net *	12.58		11.14	0.66

<b>3 Years</b>				
Vanguard 2025 *	2.03	26	11.62	-0.01
S&P Target Date 2025	2.80		10.83	0.06
MF Target Date 2021-2025 Net *	1.58		11.38	-0.06

#### Calendar Year Returns



<b>5 Years</b>				
Vanguard 2025 *	7.56	21	13.50	0.42
S&P Target Date 2025	7.42		12.76	0.43
MF Target Date 2021-2025 Net *	6.89		11.82	0.43

<b>10 Years</b>				
Vanguard 2025 *	6.10	9	10.43	0.46
S&P Target Date 2025	5.85		9.91	0.46
MF Target Date 2021-2025 Net *	5.33		9.71	0.44

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2030

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VTHRX
- **Assets \$(Millions)** 88,546
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2030
- **Universe(s)** MF Target Date 2026-2030 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

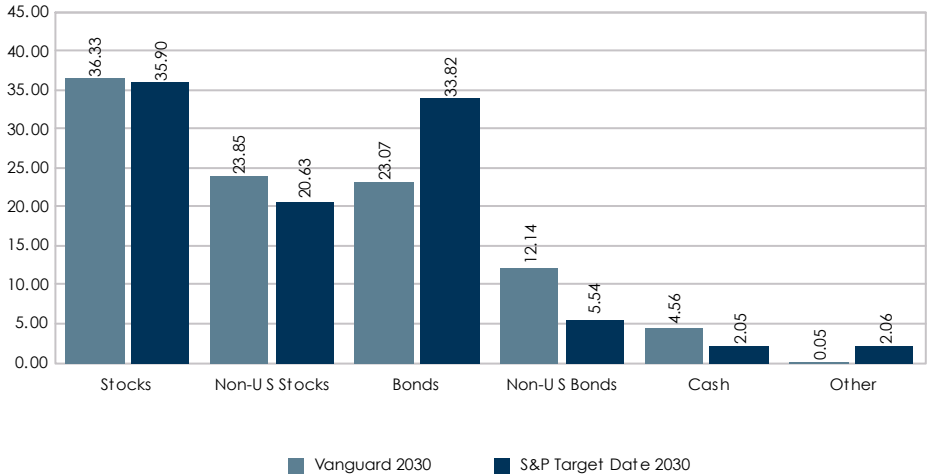
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

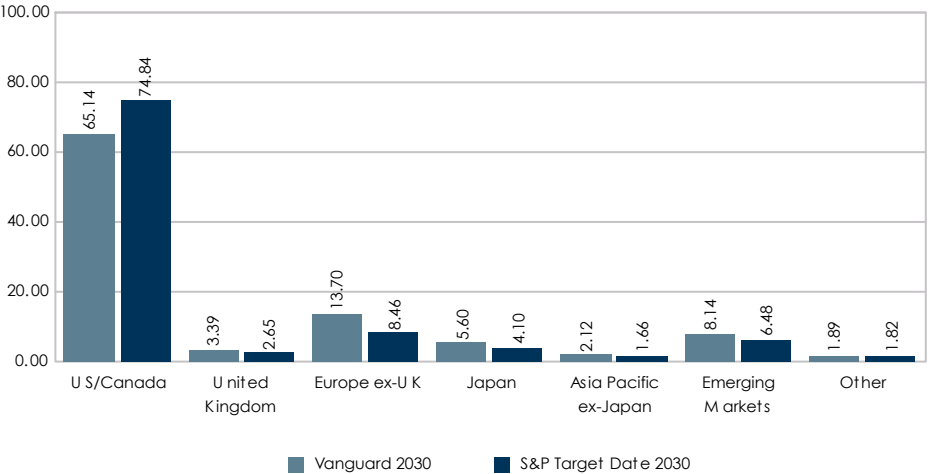
#### Asset Allocation Fund Type



#### Asset Allocation



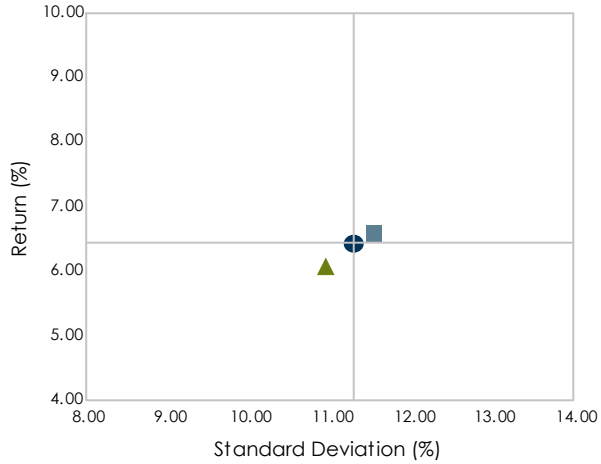
#### Region Allocation



### Vanguard Target Retirement 2030

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2030**

Beta 1.02  
 Up Capture (%) 102.22  
 Down Capture (%) 101.76

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Vanguard 2030 *	9.53	37	--	--
S&P Target Date 2030	9.02	--	--	--
MF Target Date 2026-2030 Net *	9.36	--	--	--

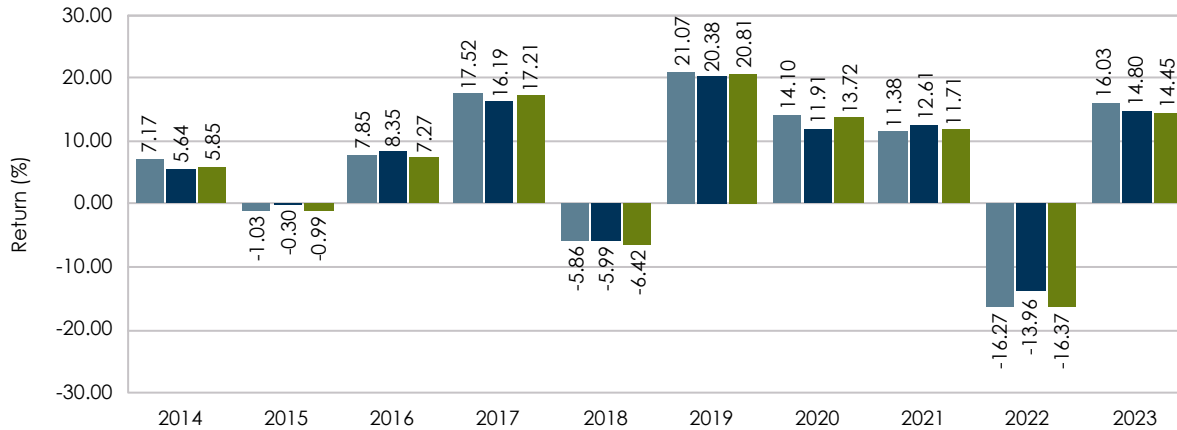
#### 1 Year

Vanguard 2030 *	16.03	6	10.67	1.03
S&P Target Date 2030	14.80	--	10.02	0.98
MF Target Date 2026-2030 Net *	14.45	--	12.32	0.75

#### 3 Years

Vanguard 2030 *	2.66	34	12.62	0.04
S&P Target Date 2030	3.61	--	12.00	0.12
MF Target Date 2026-2030 Net *	2.34	--	12.52	0.01

#### Calendar Year Returns



#### 5 Years

Vanguard 2030 *	8.37	33	14.89	0.44
S&P Target Date 2030	8.42	--	14.53	0.45
MF Target Date 2026-2030 Net *	8.05	--	13.29	0.46

#### 10 Years

Vanguard 2030 *	6.58	17	11.54	0.46
S&P Target Date 2030	6.44	--	11.28	0.46
MF Target Date 2026-2030 Net *	6.09	--	10.95	0.44

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2035

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VTTHX
- **Assets \$(Millions)** 90,652
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2035
- **Universe(s)** MF Target Date 2031-2035 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

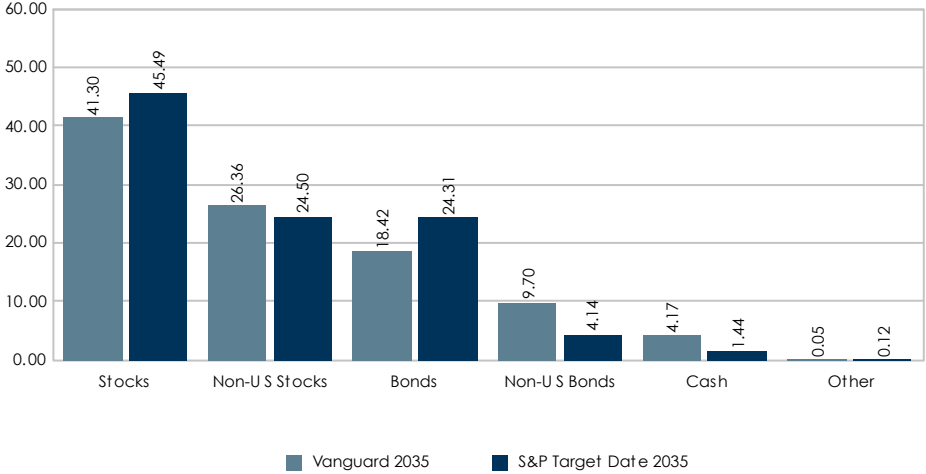
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

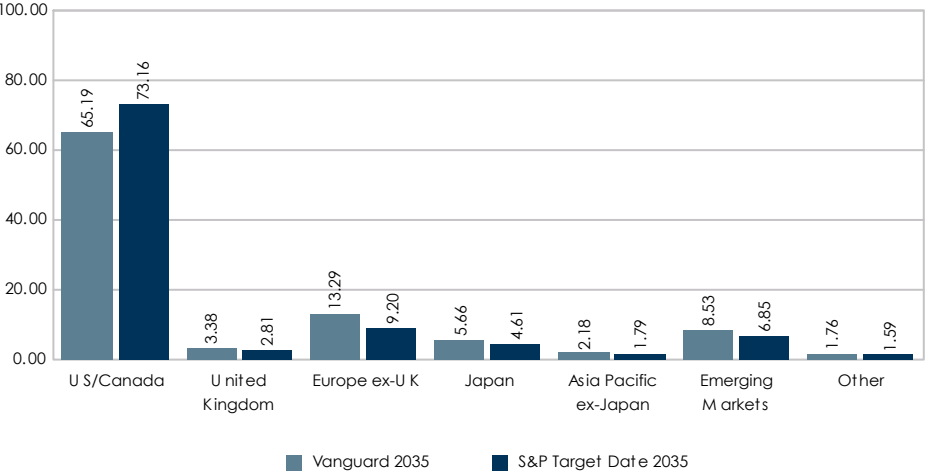
#### Asset Allocation Fund Type



#### Asset Allocation



#### Region Allocation

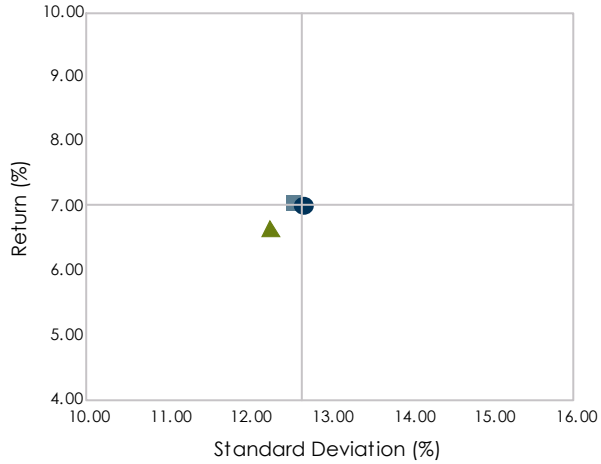


Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Target Retirement 2035

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

S&P Target Date 2035	
Beta	0.99
Up Capture (%)	99.60
Down Capture (%)	99.10

Return (%) Rank Std Dev (%) Sharpe Ratio

#### 3 Months

Vanguard 2035 *	9.87	62	--	--
S&P Target Date 2035	9.68	--	--	--
MF Target Date 2031-2035 Net *	10.00	--	--	--

#### 1 Year

Vanguard 2035 *	17.14	26	11.07	1.10
S&P Target Date 2035	16.63	--	10.71	1.08
MF Target Date 2031-2035 Net *	16.36	--	13.52	0.84

#### 3 Years

Vanguard 2035 *	3.33	46	13.35	0.09
S&P Target Date 2035	4.45	--	13.32	0.17
MF Target Date 2031-2035 Net *	3.29	--	13.83	0.08

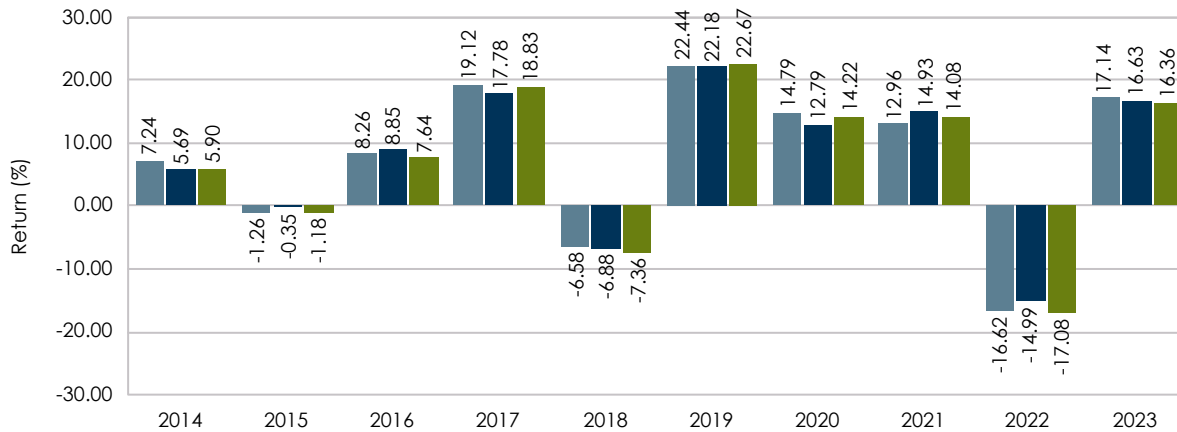
#### 5 Years

Vanguard 2035 *	9.17	45	16.13	0.45
S&P Target Date 2035	9.44	--	16.34	0.46
MF Target Date 2031-2035 Net *	9.05	--	14.90	0.49

#### 10 Years

Vanguard 2035 *	7.06	26	12.56	0.46
S&P Target Date 2035	7.04	--	12.66	0.46
MF Target Date 2031-2035 Net *	6.66	--	12.27	0.45

#### Calendar Year Returns



\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2040

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VFORX
- **Assets \$(Millions)** 79,816
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2040
- **Universe(s)** MF Target Date 2036-2040 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

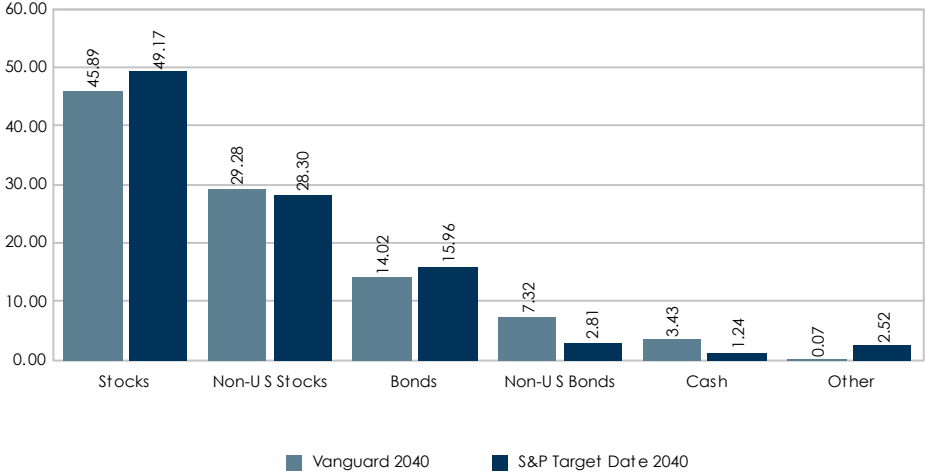
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

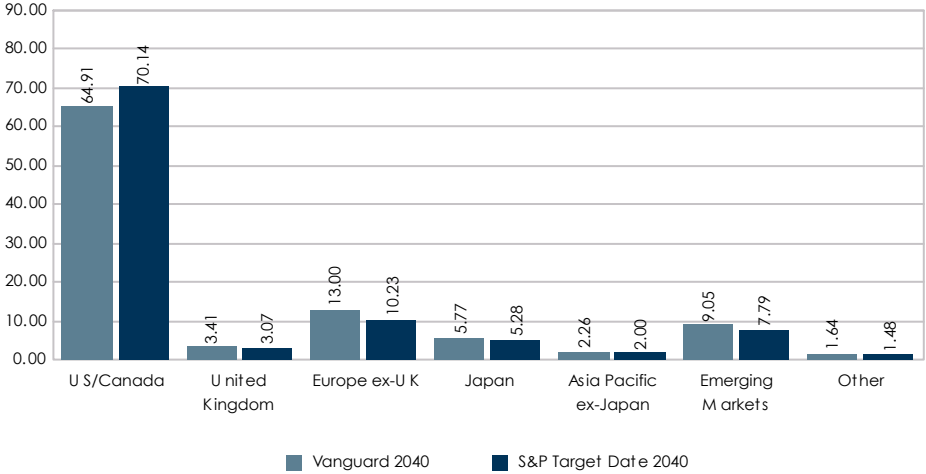
#### Asset Allocation Fund Type



#### Asset Allocation



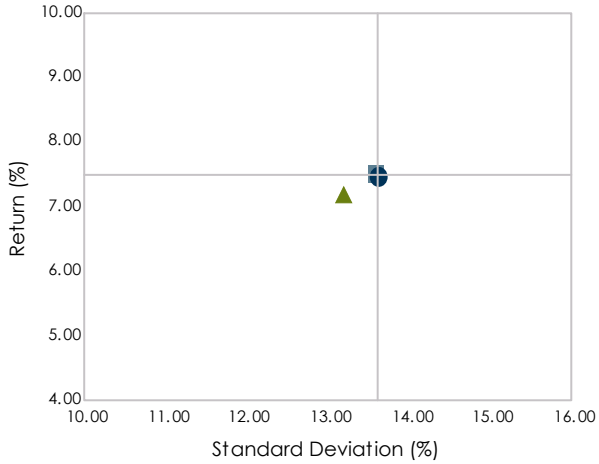
#### Region Allocation



### Vanguard Target Retirement 2040

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2040**

Beta	1.00
Up Capture (%)	100.04
Down Capture (%)	99.69

**Return (%)**    **Rank**    **Std Dev (%)**    **Sharpe Ratio**

#### 3 Months

Vanguard 2040 *	10.23	72	--	--
S&P Target Date 2040	10.19	--	--	--
MF Target Date 2036-2040 Net *	10.52	--	--	--

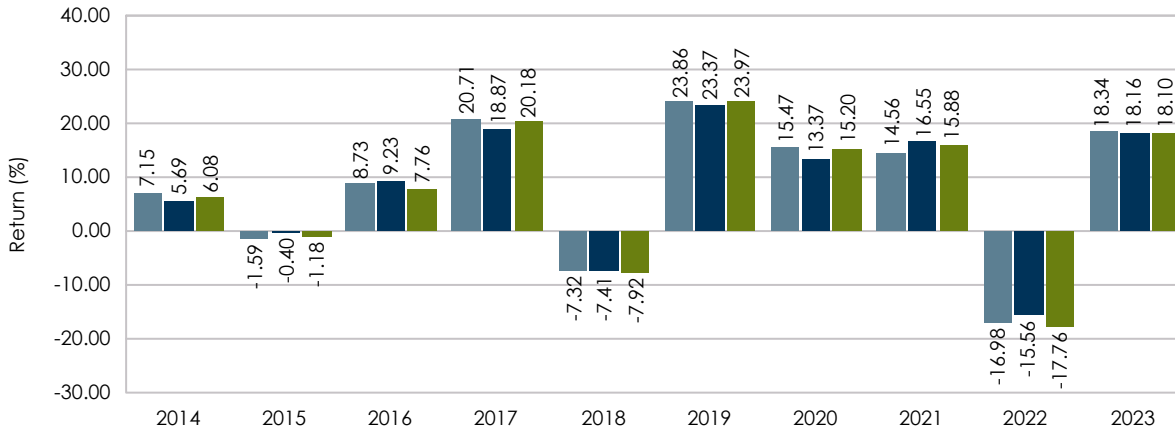
#### 1 Year

Vanguard 2040 *	18.34	44	11.38	1.17
S&P Target Date 2040	18.16	--	11.23	1.17
MF Target Date 2036-2040 Net *	18.10	--	14.34	0.92

#### 3 Years

Vanguard 2040 *	4.02	57	14.12	0.13
S&P Target Date 2040	5.16	--	14.28	0.21
MF Target Date 2036-2040 Net *	4.11	--	14.88	0.13

#### Calendar Year Returns



#### 5 Years

Vanguard 2040 *	9.99	46	17.41	0.47
S&P Target Date 2040	10.22	--	17.59	0.47
MF Target Date 2036-2040 Net *	9.93	--	16.14	0.50

#### 10 Years

Vanguard 2040 *	7.52	29	13.60	0.46
S&P Target Date 2040	7.49	--	13.62	0.46
MF Target Date 2036-2040 Net *	7.19	--	13.20	0.46

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Target Retirement 2045

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VTIVX
- **Assets \$(Millions)** 76,742
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2045
- **Universe(s)** MF Target Date 2041-2045 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

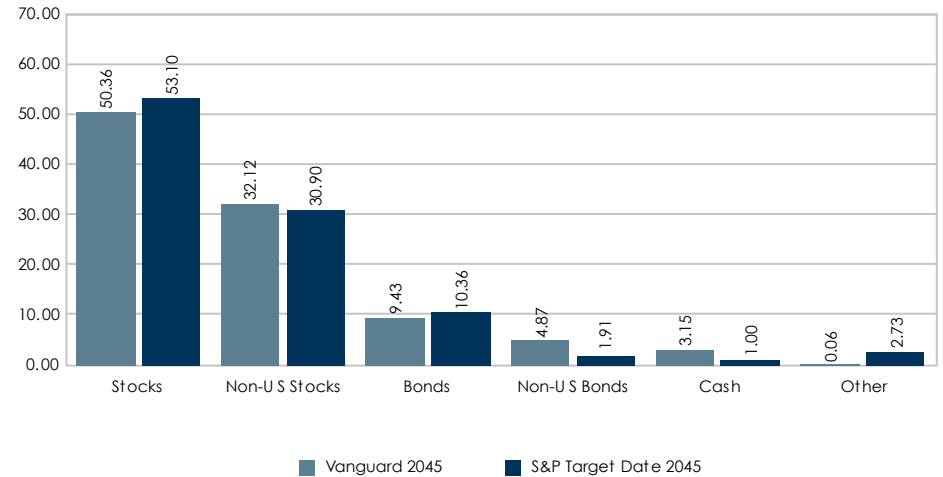
### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

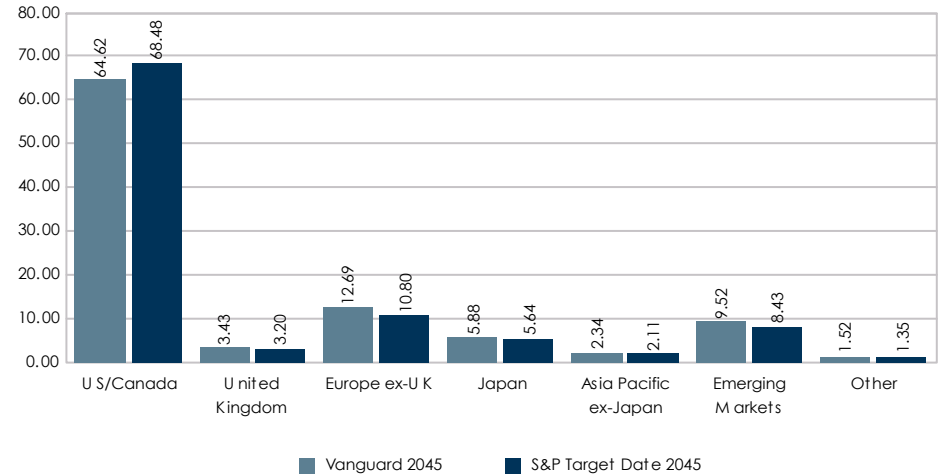
### Asset Allocation Fund Type



### Asset Allocation



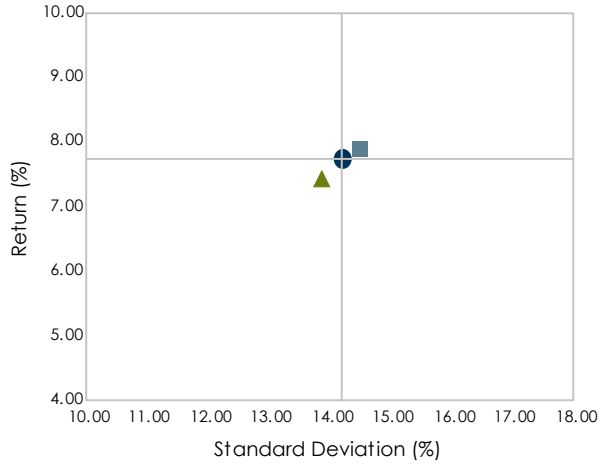
### Region Allocation



### Vanguard Target Retirement 2045

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2045**

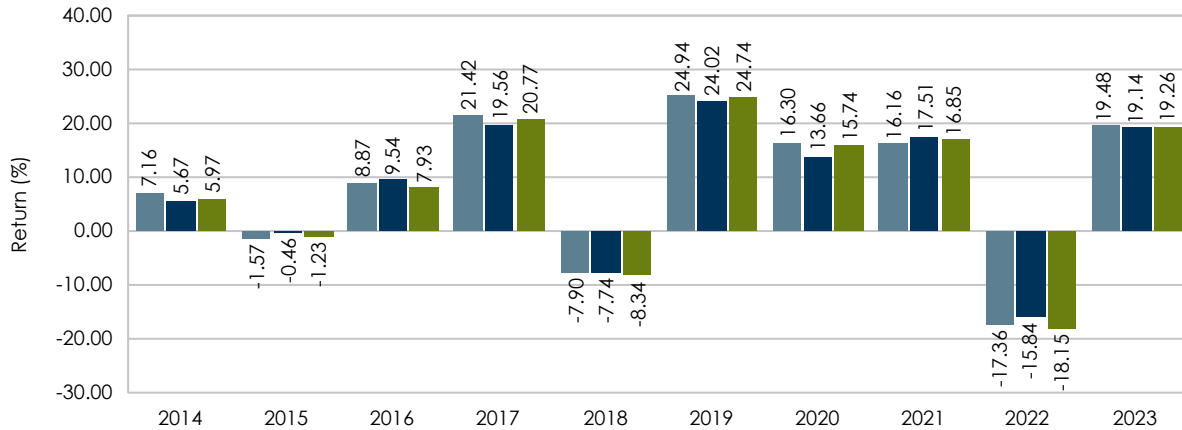
Beta	1.02
Up Capture (%)	101.67
Down Capture (%)	101.01

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard 2045 *	10.57	69	--	--
S&P Target Date 2045	10.53	--	--	--
MF Target Date 2041-2045 Net *	10.85	--	--	--

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>1 Year</b>				
Vanguard 2045 *	19.48	41	11.78	1.23
S&P Target Date 2045	19.14	--	11.61	1.22
MF Target Date 2041-2045 Net *	19.26	--	14.94	0.95

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Years</b>				
Vanguard 2045 *	4.68	46	14.89	0.17
S&P Target Date 2045	5.62	--	14.91	0.23
MF Target Date 2041-2045 Net *	4.55	--	15.64	0.15

#### Calendar Year Returns



	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>5 Years</b>				
Vanguard 2045 *	10.76	35	18.65	0.48
S&P Target Date 2045	10.68	--	18.35	0.48
MF Target Date 2041-2045 Net *	10.46	--	16.99	0.51

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>10 Years</b>				
Vanguard 2045 *	7.91	23	14.50	0.46
S&P Target Date 2045	7.76	--	14.20	0.46
MF Target Date 2041-2045 Net *	7.45	--	13.87	0.46

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2050

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VFIFX
- **Assets \$(Millions)** 63,788
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2050
- **Universe(s)** MF Target Date 2046-2050 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

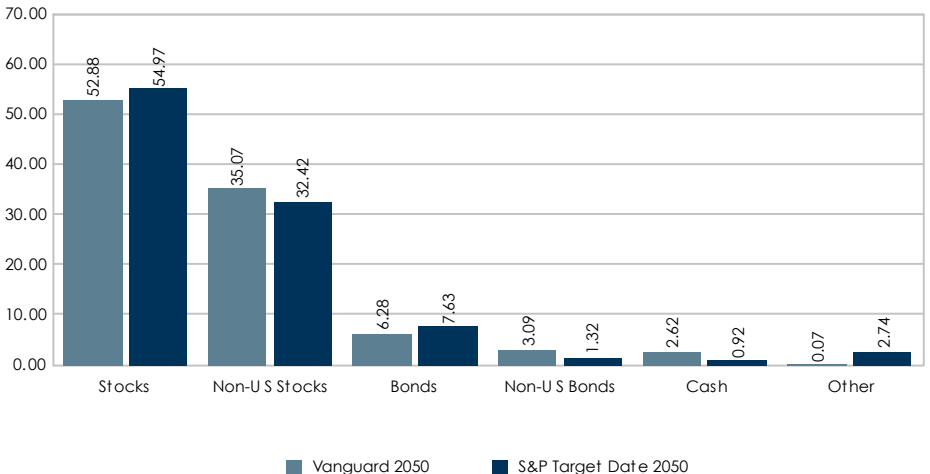
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

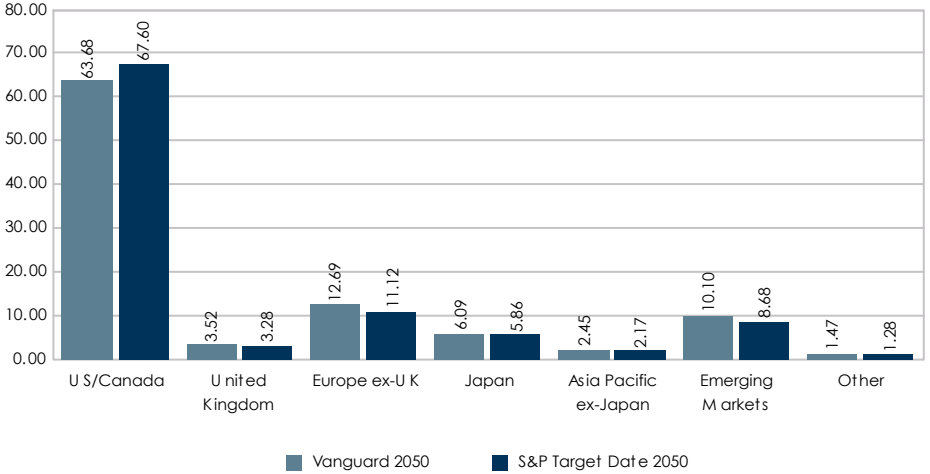
#### Asset Allocation Fund Type



#### Asset Allocation



#### Region Allocation

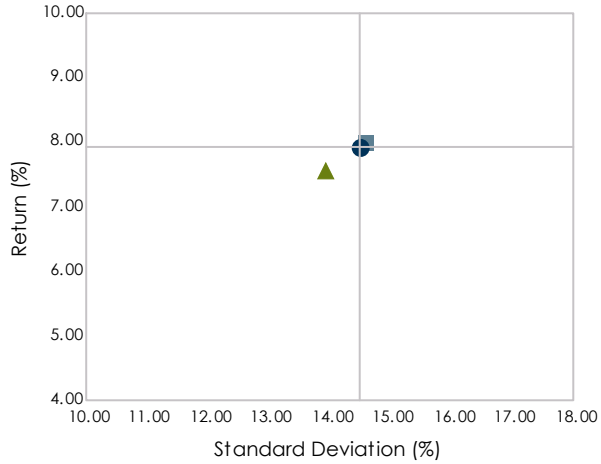


Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Target Retirement 2050

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2050**

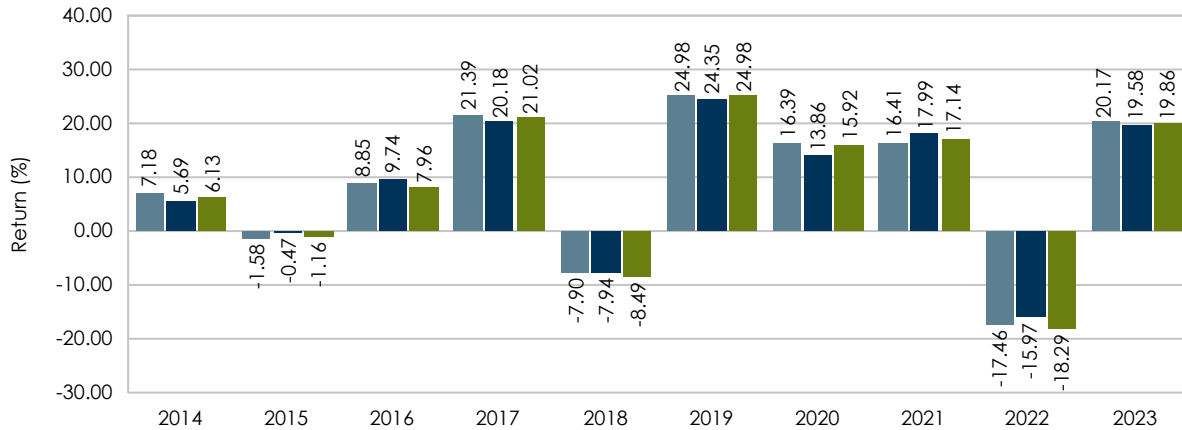
Beta	1.00
Up Capture (%)	100.17
Down Capture (%)	99.61

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard 2050 *	10.79	66	--	--
S&P Target Date 2050	10.70	--	--	--
MF Target Date 2046-2050 Net *	11.04	--	--	--

<b>1 Year</b>				
Vanguard 2050 *	20.17	40	11.99	1.26
S&P Target Date 2050	19.58		11.77	1.24
MF Target Date 2046-2050 Net *	19.86		15.30	0.96

<b>3 Years</b>				
Vanguard 2050 *	4.91	38	15.20	0.18
S&P Target Date 2050	5.84		15.18	0.24
MF Target Date 2046-2050 Net *	4.70		15.85	0.16

#### Calendar Year Returns



<b>5 Years</b>				
Vanguard 2050 *	10.93	34	18.79	0.48
S&P Target Date 2050	10.92		18.71	0.48
MF Target Date 2046-2050 Net *	10.64		17.20	0.51

<b>10 Years</b>				
Vanguard 2050 *	7.99	22	14.59	0.46
S&P Target Date 2050	7.92		14.50	0.46
MF Target Date 2046-2050 Net *	7.56		13.94	0.46

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Vanguard Target Retirement 2055

For the Period Ending December 31, 2023

### Fund Information

- **Ticker** VFFVX
- **Assets \$(Millions)** 42,001
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2055
- **Universe(s)** MF Target Date 2051-2055 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

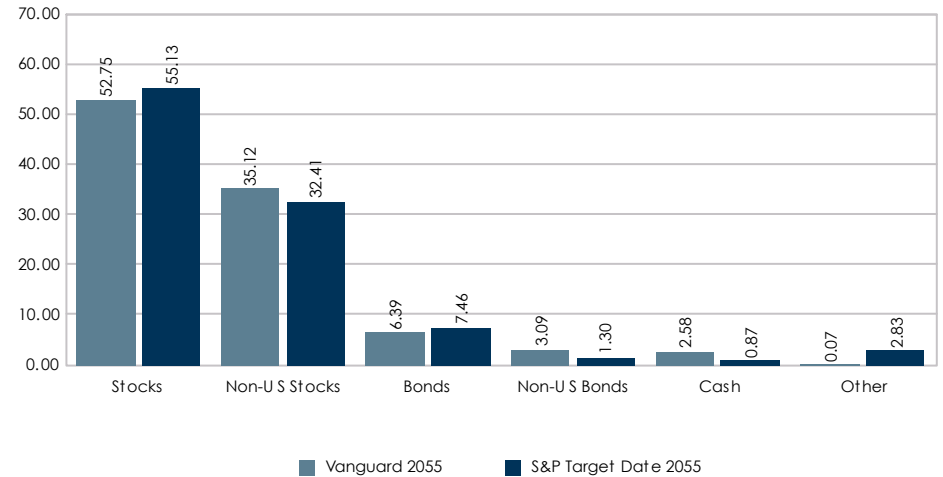
### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

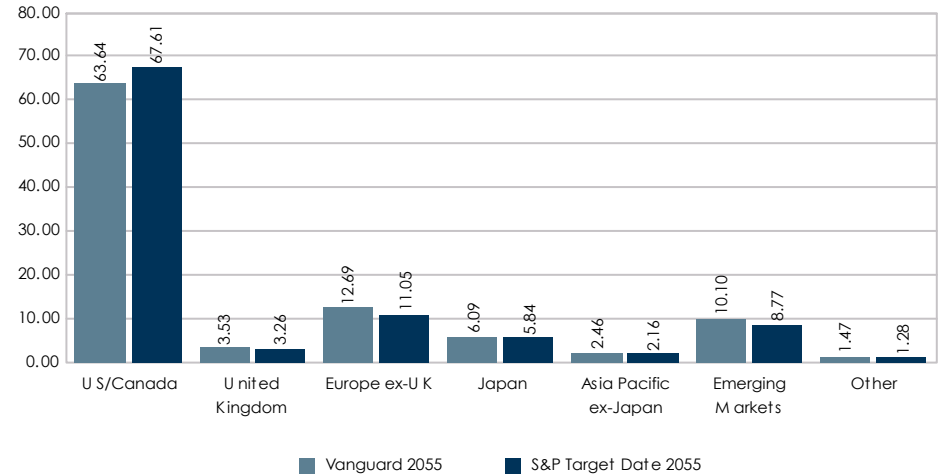
### Asset Allocation Fund Type



### Asset Allocation



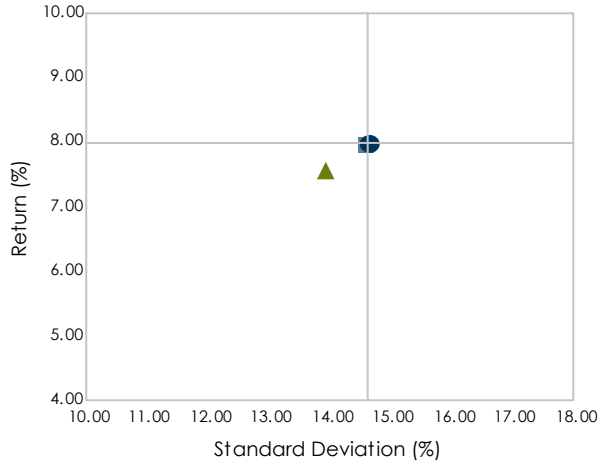
### Region Allocation



### Vanguard Target Retirement 2055

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

**S&P Target Date 2055**

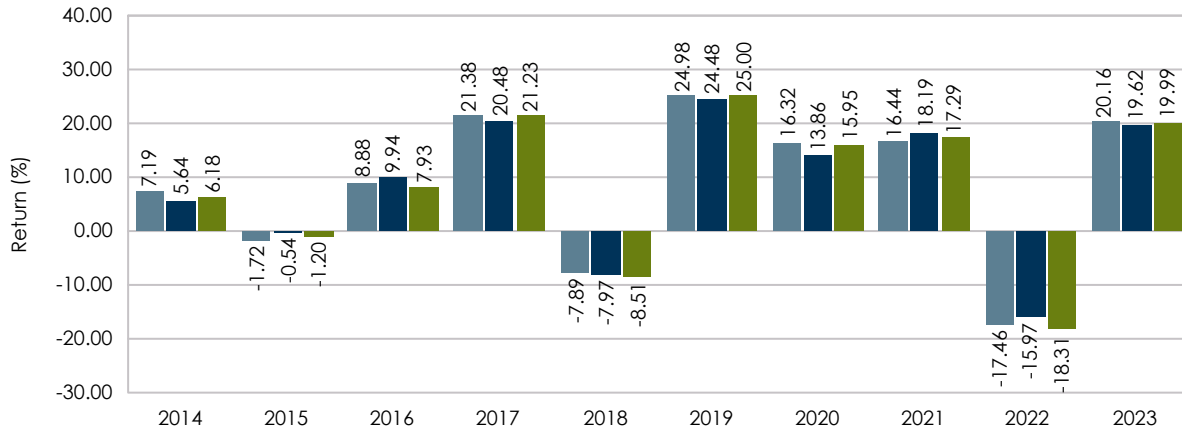
Beta	0.99
Up Capture (%)	99.23
Down Capture (%)	98.97

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
<b>3 Months</b>				
Vanguard 2055 *	10.78	66	--	--
S&P Target Date 2055	10.71	--	--	--
MF Target Date 2051-2055 Net *	11.06	--	--	--

<b>1 Year</b>				
Vanguard 2055 *	20.16	45	11.98	1.26
S&P Target Date 2055	19.62	--	11.79	1.24
MF Target Date 2051-2055 Net *	19.99	--	15.30	0.96

<b>3 Years</b>				
Vanguard 2055 *	4.92	38	15.20	0.18
S&P Target Date 2055	5.91	--	15.26	0.25
MF Target Date 2051-2055 Net *	4.74	--	15.87	0.16

#### Calendar Year Returns



<b>5 Years</b>				
Vanguard 2055 *	10.92	36	18.79	0.48
S&P Target Date 2055	10.98	--	18.87	0.48
MF Target Date 2051-2055 Net *	10.69	--	17.25	0.51

<b>10 Years</b>				
Vanguard 2055 *	7.97	25	14.59	0.46
S&P Target Date 2055	7.99	--	14.63	0.46
MF Target Date 2051-2055 Net *	7.57	--	13.93	0.46

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2060

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VTTSX
- **Assets \$(Millions)** 23,027
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2060
- **Universe(s)** MF Target Date 2056-2060 Net
- **Morningstar Rating** 4
- **Avg Manager Tenure** 3.5
- **Manager** Multiple

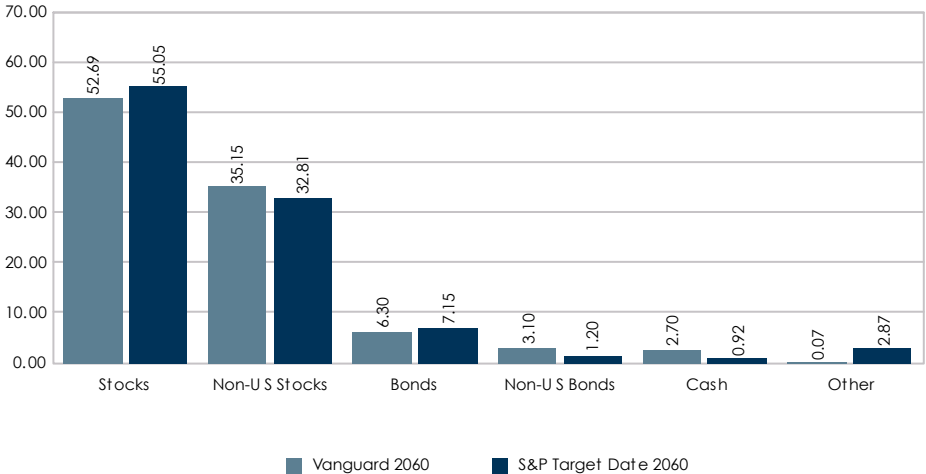
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

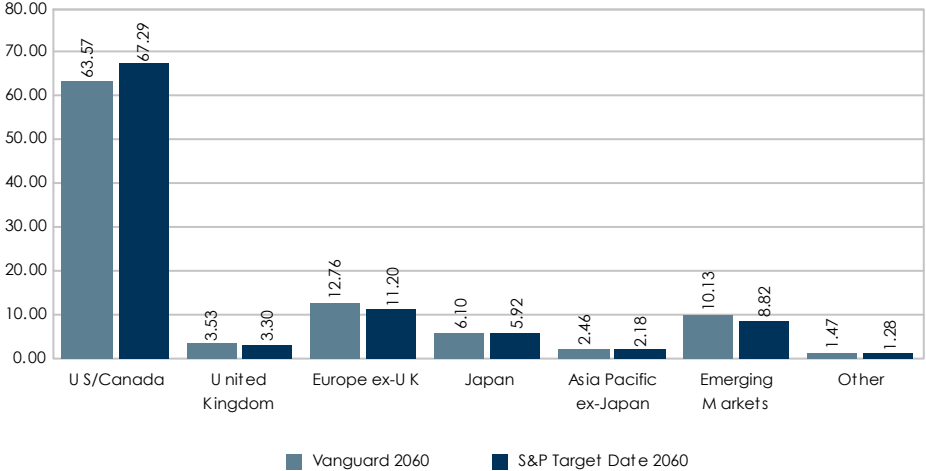
#### Asset Allocation Fund Type



#### Asset Allocation



#### Region Allocation

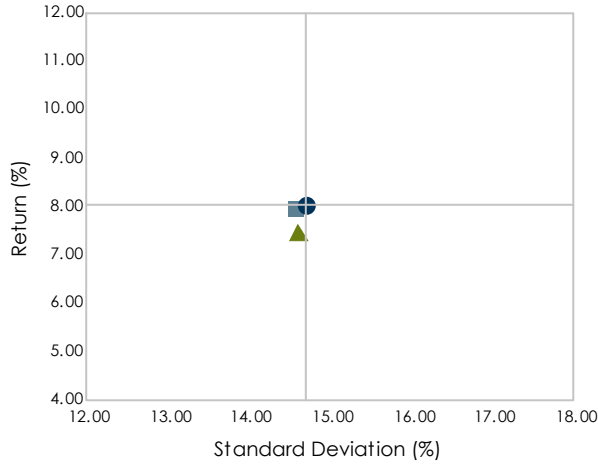


Data Source: Morningstar. Fund data may not be updated through current quarter due to the availability of information supplied to Morningstar.

### Vanguard Target Retirement 2060

For the Periods Ending December 31, 2023

#### 10 Years Risk / Return



#### 10 Years Relative Statistics

S&P Target Date 2060	
Beta	0.99
Up Capture (%)	98.53
Down Capture (%)	98.47

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
--	------------	------	-------------	--------------

#### 3 Months

Vanguard 2060 *	10.79	68	--	--
S&P Target Date 2060	10.72	--	--	--
MF Target Date 2056-2060 Net *	11.05	--	--	--

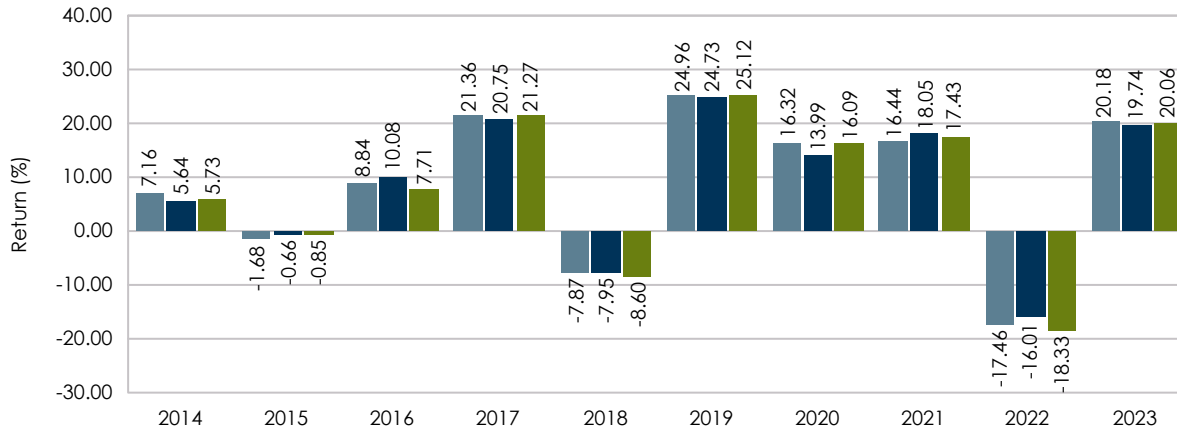
#### 1 Year

Vanguard 2060 *	20.18	47	12.01	1.26
S&P Target Date 2060	19.74	--	11.81	1.25
MF Target Date 2056-2060 Net *	20.06	--	15.38	0.96

#### 3 Years

Vanguard 2060 *	4.92	41	15.21	0.18
S&P Target Date 2060	5.89	--	15.28	0.24
MF Target Date 2056-2060 Net *	4.73	--	16.02	0.16

#### Calendar Year Returns



#### 5 Years

Vanguard 2060 *	10.92	41	18.77	0.48
S&P Target Date 2060	11.04	--	18.92	0.48
MF Target Date 2056-2060 Net *	10.77	--	17.29	0.51

#### 10 Years

Vanguard 2060 *	7.97	2	14.58	0.46
S&P Target Date 2060	8.04	--	14.70	0.46
MF Target Date 2056-2060 Net *	7.46	--	14.62	0.43

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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### Vanguard Target Retirement 2065

For the Period Ending December 31, 2023

#### Fund Information

- **Ticker** VLXVX
- **Assets \$(Millions)** 6,315
- **Expense Ratio** 0.08%
- **Strategy** Target Date Retirement Funds
- **Benchmark(s)** S&P Target Date 2065+
- **Universe(s)** MF Target-Date 2065+ Net
- **Morningstar Rating** 3
- **Avg Manager Tenure** 2.4
- **Manager** Multiple

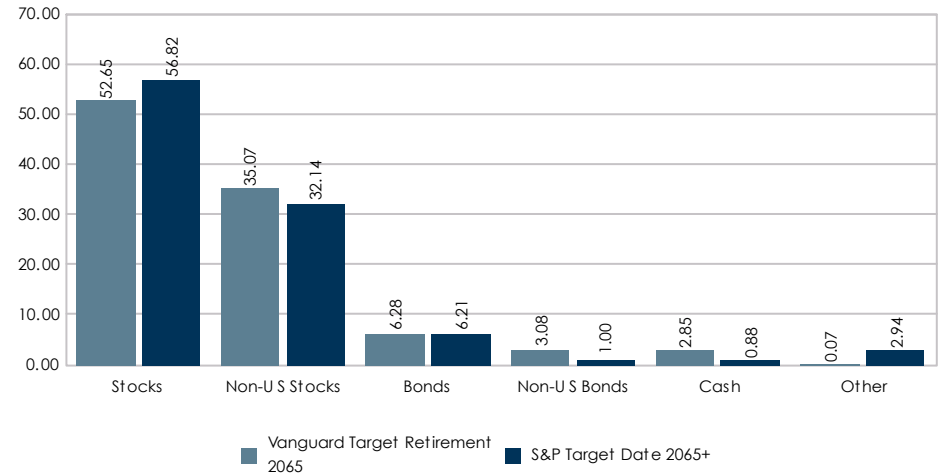
#### Investment Strategy

Target date funds, also known as lifecycle funds, provide investors diversified exposure to a range of asset classes and investment strategies in a single investment vehicle. These funds are typically used to address a need for capital at a future (i.e. target) date, such as retirement. These funds generally include major equity and fixed income asset classes with allocation weights dependent on time horizon and risk tolerance. Over time, as the fund nears its target date, the allocation typically becomes more conservative with an increase in defensive asset classes, such as fixed income, and a reduction in growth oriented asset classes, such as equity. This change in allocation is defined as the fund's glide path and is typically defined as part of the fund's management strategy and philosophy.

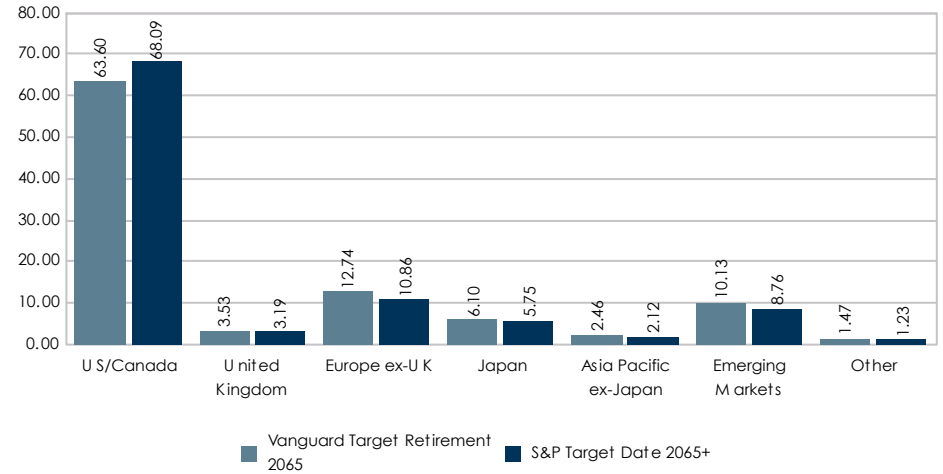
#### Asset Allocation Fund Type



#### Asset Allocation



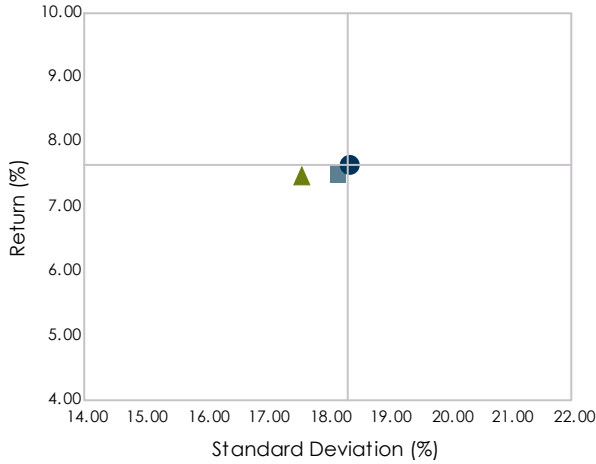
#### Region Allocation



### Vanguard Target Retirement 2065

For the Periods Ending December 31, 2023

#### 6 Years Risk / Return



#### 6 Years Relative Statistics

##### S&P Target Date 2065+

Beta	0.99
Up Capture (%)	98.55
Down Capture (%)	99.28

**Return (%)**   **Rank**   **Std Dev (%)**   **Sharpe Ratio**

#### 3 Months

■ Vanguard Target Retirement 2065 *	10.79	65	--	--
● S&P Target Date 2065+	10.80	--	--	--
▲ MF Target-Date 2065+ Net *	11.10	--	--	--

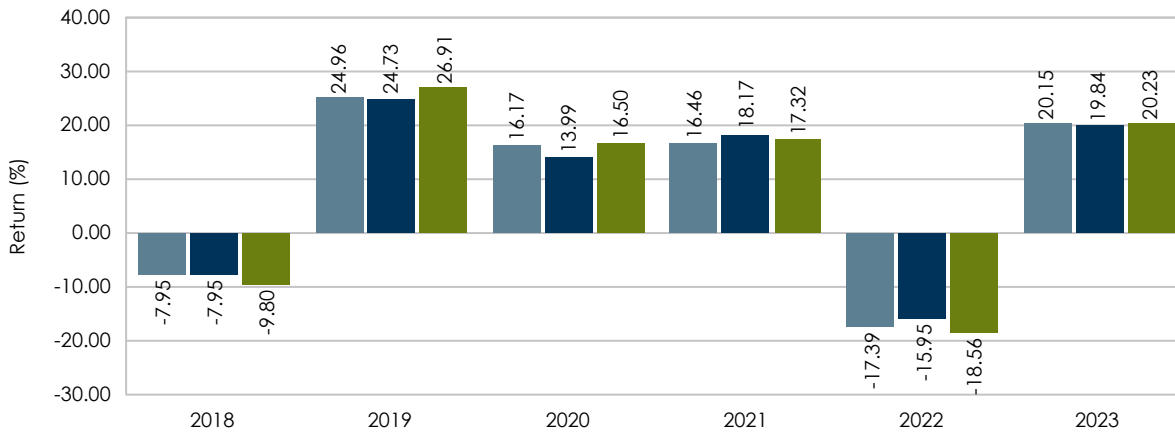
#### 1 Year

Vanguard Target Retirement 2065 *	20.15	54	11.99	1.26
S&P Target Date 2065+	19.84	--	11.86	1.25
MF Target-Date 2065+ Net *	20.23	--	15.48	0.97

#### 3 Years

Vanguard Target Retirement 2065 *	4.95	35	15.19	0.18
S&P Target Date 2065+	5.98	--	15.25	0.25
MF Target-Date 2065+ Net *	4.65	--	16.24	0.15

#### Calendar Year Returns



#### 5 Years

Vanguard Target Retirement 2065 *	10.91	76	18.77	0.48
S&P Target Date 2065+	11.09	--	18.90	0.49
MF Target-Date 2065+ Net *	11.18	--	18.16	0.53

#### 6 Years

Vanguard Target Retirement 2065 *	7.52	38	18.16	0.31
S&P Target Date 2065+	7.67	--	18.34	0.32
MF Target-Date 2065+ Net *	7.49	--	17.57	0.33

\* Net of Fee Returns

Performance and statistics are calculated using quarterly return data.

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## Definitions

## Definitions of Statistical Measures

**Alpha** - the annualized difference between the manager's actual return and the manager's expected return given its relative risk vs. the benchmark (which is represented by beta, a measure that tracks volatility to an index).

**Batting Average** - a measure used to quantify a manager's ability to meet or beat a benchmark. A manager who outperforms the benchmark 20 out of a possible 40 times has a batting average of 50.

**Beta** - measures the portfolio's sensitivity of returns to market movements represented by the primary benchmark.

**Down Capture** - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a negative return. For instance, a down-capture of 96% indicates that, on average, the portfolio is down 96% when the benchmark is down 100%. Lower portfolio down-capture is preferred.

**R Squared** - the amount of the manager's return that can be explained by the benchmark. A R Squared of 100 indicates a perfect correlation, while a R Squared of 0 indicates no correlation at all.

**Sharpe Ratio** - a measure of return per unit of risk. Higher sharpe ratios are preferred while negative ratios are generally meaningless and cannot be used for comparison purposes.

**Standard Deviation** - a measure of the portfolio's volatility. A large standard deviation relative to the benchmark represents volatile portfolio returns.

**Tracking Error** - a measure that reports the difference between the return of a manager that is received and that of a benchmark that the manager is attempting to track.

**Up Capture** - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a positive return. For instance, an up-capture of 96% indicates that, on average, the portfolio is up 96% when the benchmark is up 100%. Higher portfolio up-capture is preferred.

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