



# AUGUST 2024 UPDATE & Q2 2024 PERFORMANCE REVIEW

MEMORIAL HEALTHCARE SYSTEM



# **AUGUST 2024**

Dave Moore, ARM, CEBS, CPCU, Partner Gary Wyniemko, CFA, Partner Deirdre Robert, CFA, CAIA, Partner

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# **MARKET OUTLOOK**



The health of the labor market will drive the speed the Fed moves to lower rates in coming years



Mag-6 names are "priced for perfection" with future earnings growth expectations set at a high hurdle



The 2024 global election "Supercycle" increases the likelihood of geopolitical surprise for the market



We encourage neutral duration positioning relative to strategic targets given the current rate environment

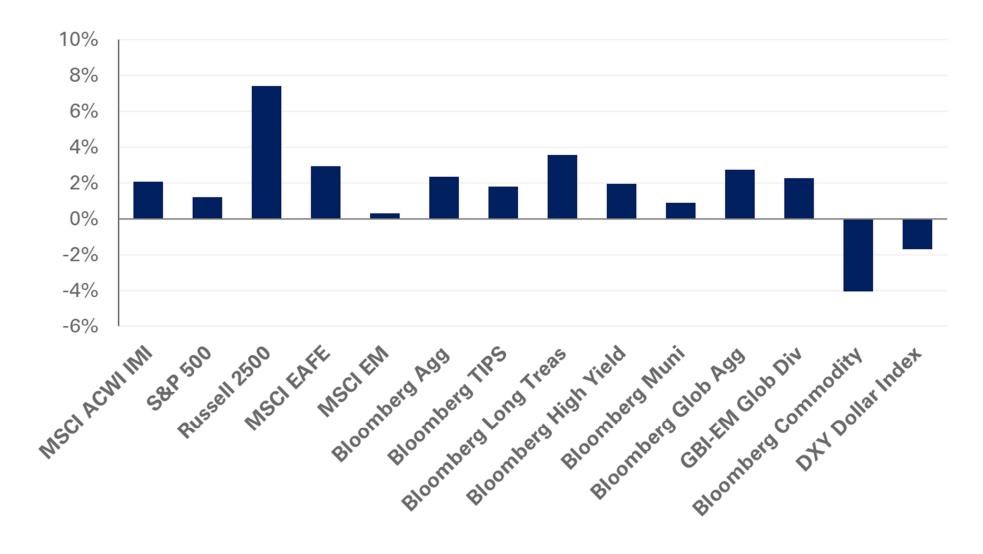


We recommend investors strategically add U.S. TIPS exposure to capitalize on the attractive real rate environment



# U.S. SMALL-CAPS LED THE WAY

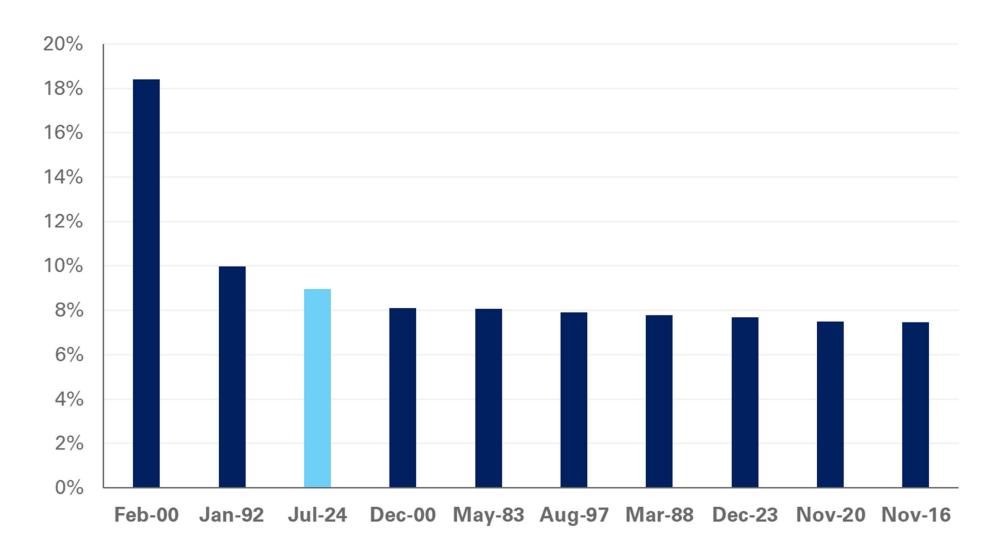
## JULY MONTHLY TOTAL RETURNS





# **MARKET ROTATION BENEFITED SMALL-CAPS**

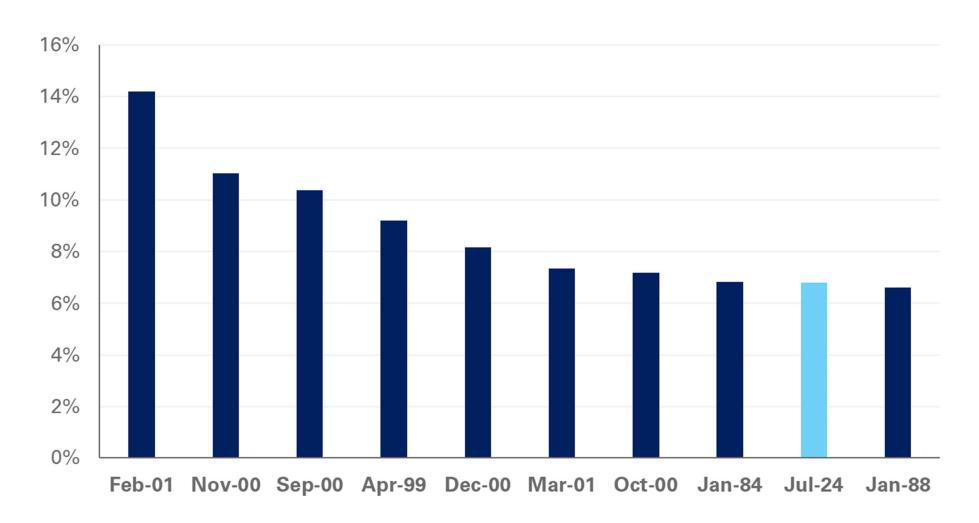
TOP RUSSELL 2000 VERSUS S&P 500 MONTHLY RETURNS





# **VALUE ALSO BENEFITED FROM ROTATION**

TOP RUSSELL 1000 VALUE VERSUS GROWTH MONTHLY RETURNS





# **TECH VALUATIONS CORRECTED IN JULY**

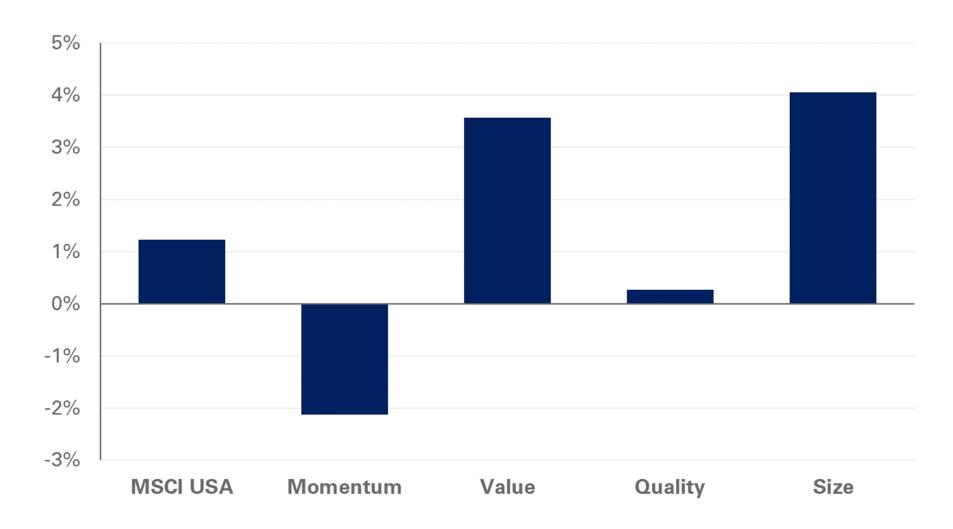
# MARKET CAP OF NASDAQ RELATIVE TO RUSSELL 2000





# **JULY SAW A REVERSAL IN MOMENTUM FACTOR**

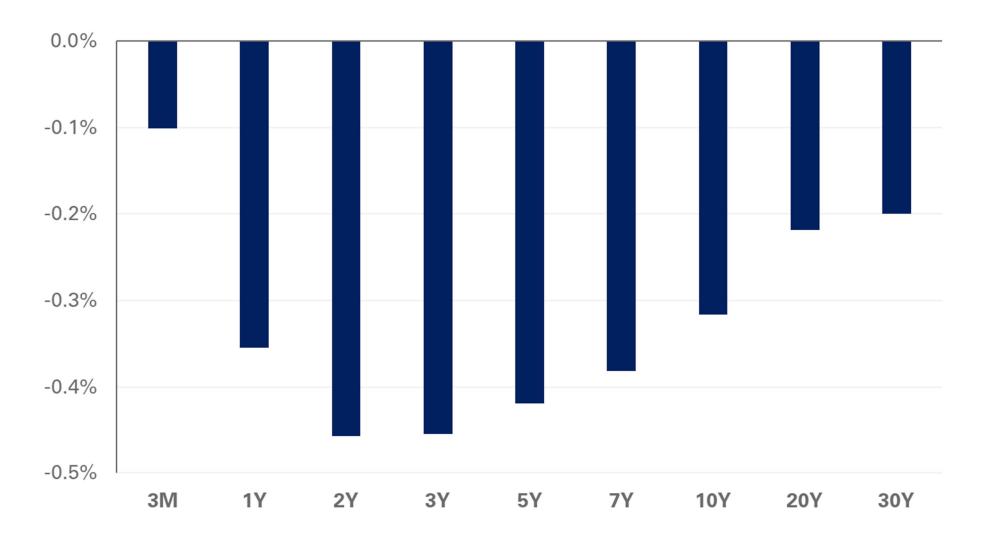
## JULY MONTHLY MSCI USA FACTOR TOTAL RETURN





# TREASURY CURVE IS BECOMING LESS INVERTED

JULY MONTHLY CHANGE IN U.S. TREASURY YIELDS

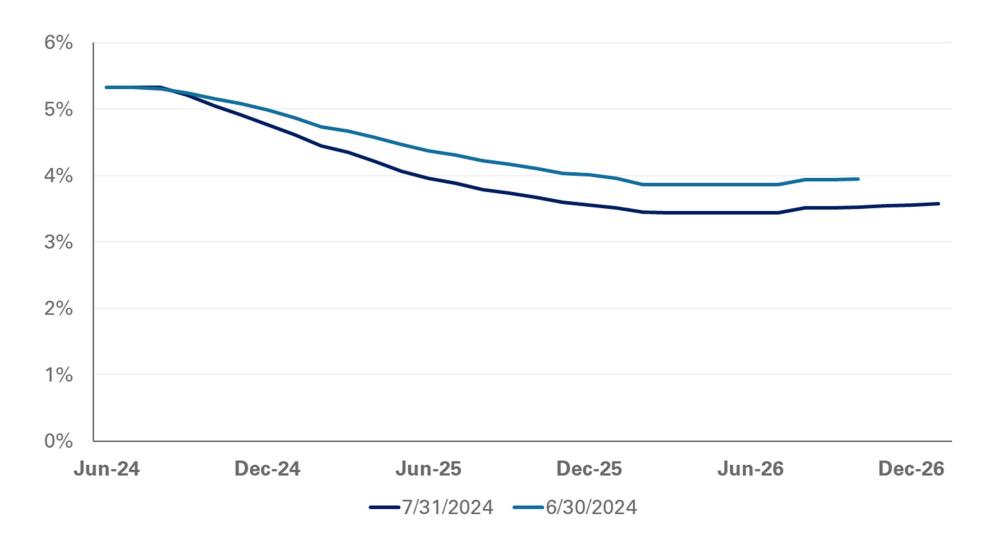




Sources: FactSet, NEPC

# MARKET MORE CONFIDENT OF FED FUND CUTS

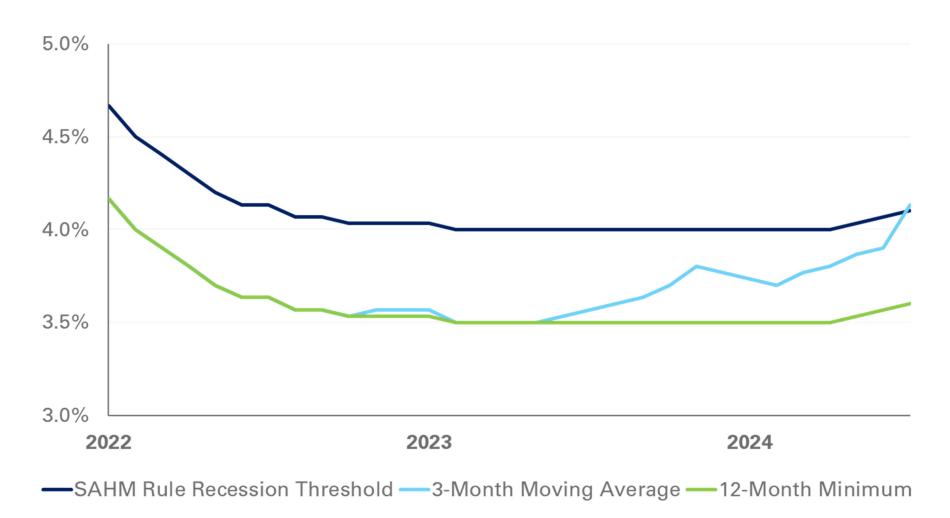
## FED FUNDS FUTURES RATE EXPECTATIONS





# THE LABOR MARKET IS RAISING SOME CONCERNS

## U.S. UNEMPLOYMENT: THE SAHM RULE



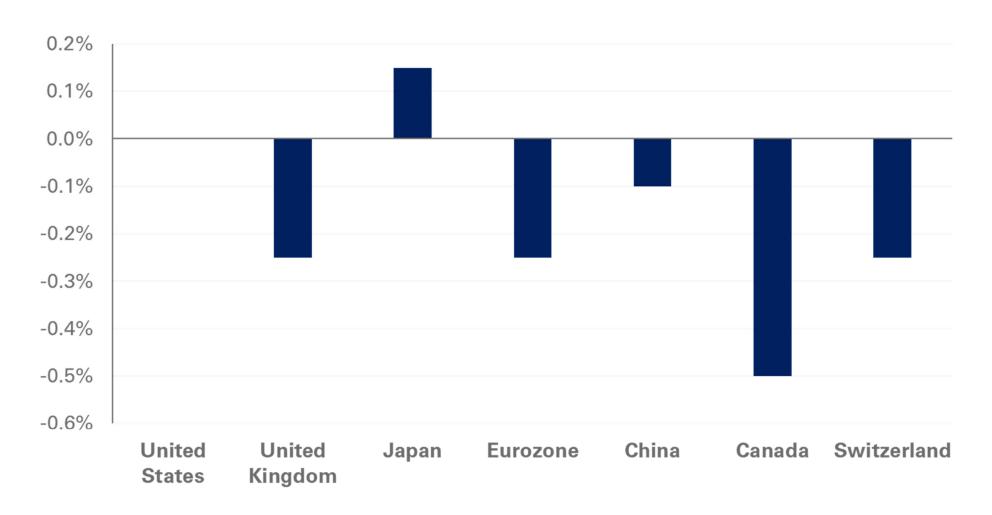


Note: The SAHM Rule is a recession indicator that signals the start of a recession when the three-month moving average of the unemployment rate rises to 0.5% above the minimum of the prior twelve months.

Sources: U.S. Department of Labor Statistics, FactSet, NEPC

# FED LIKELY TO FOLLOW WITH A CUT IN RATES

CENTRAL BANK POLICY RATE CHANGE: JUNE 1 THROUGH AUG 1





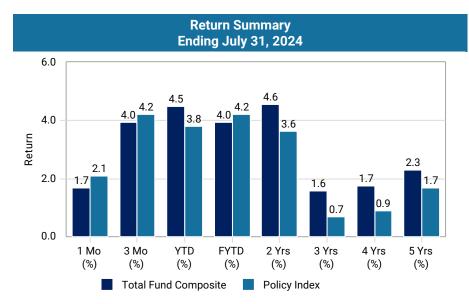


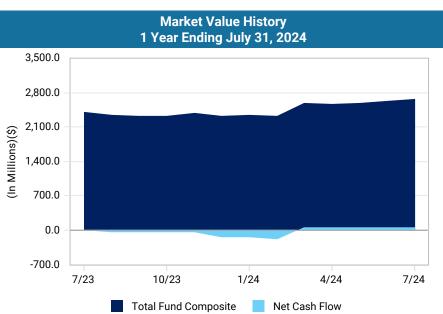


# SOUTH **BROWARD** HOSPITAL DISTRICT -**OPERATING FUNDS**

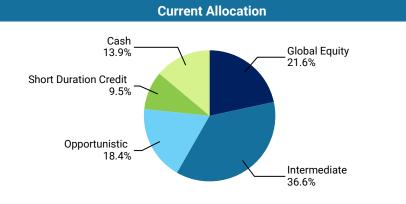
July 31, 2024

# **EXECUTIVE SUMMARY**





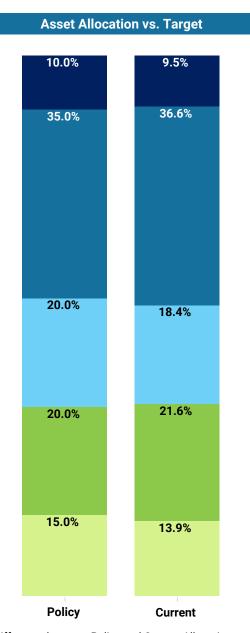
	Current (\$)	Current (%)	Policy (%)	Differences (%)
Global Equity	577,385,796	21.6	20.0	1.6
Intermediate	979,566,082	36.6	35.0	1.6
Opportunistic	491,376,641	18.4	20.0	-1.6
<b>Short Duration Credit</b>	253,355,601	9.5	10.0	-0.5
Cash	371,089,960	13.9	15.0	-1.1
Total	2,672,774,080	100.0	100.0	0.0



Summary of Cash Flows										
	1 Month	FYTD	3 Years							
Beginning Market Value	2,628,329,779	2,571,092,637	2,593,656,473							
Net Cash Flow			-36,055,028							
Net Investment Change	44,444,302	101,681,443	115,172,635							
<b>Ending Market Value</b>	2,672,774,080	2,672,774,080	2,672,774,080							



# **ASSET ALLOCATION VS. POLICY**



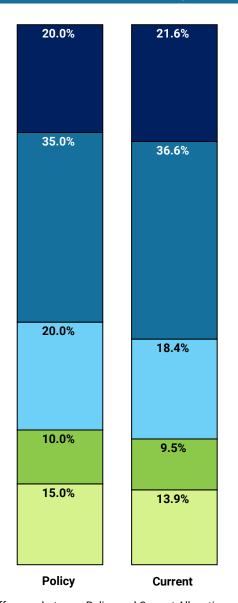
	Current (\$)	Current (%)	Policy (%)	Differences* (%)	Policy Range (%)	Within Range
Short Term Composite	253,355,601	9.5	10.0	-0.5	5.0 - 15.0	Yes
Intermediate Term Composite	979,566,082	36.6	35.0	1.6	30.0 - 40.0	Yes
Opportunistic Composite	491,376,641	18.4	20.0	-1.6	15.0 - 25.0	Yes
Global Equity Composite	577,385,796	21.6	20.0	1.6	15.0 - 25.0	Yes
Cash Composite	371,089,960	13.9	15.0	-1.1	15.0 - 20.0	No
<b>Total Fund Composite</b>	2,672,774,080	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation



# **ASSET ALLOCATION VS. POLICY**

#### **Asset Allocation vs. Target**



	Current Balance (\$)	Policy (%)	Current Allocation (%)	Differences (%)	Policy Range (%)	Within Range
Global Equity	577,385,796	20.0	21.6	1.6	15.0 - 25.0	Yes
Vanguard Global Minimum Volatility Equity	272,603,405		10.2			
Parametric Global Defensive Equity	304,782,391		11.4			
Intermediate	979,566,082	35.0	36.6	1.6	30.0 - 40.0	Yes
Galliard Intermediate Government	237,837,058		8.9			
Merganser Intermediate Bond	230,699,081		8.6			
Fort Washington Intermediate Bond	198,057,870		7.4			
Lord Abbett Intermediate Bond	227,546,156		8.5			
PFM - Self Insurance Fund	47,378,163		1.8			
PFM - Disability Fund	20,973,416		0.8			
PFM - Workmen's Compensation Fund	11,451,937		0.4			
PFM - Health & Dental Fund	5,622,403		0.2			
Opportunistic	491,376,641	20.0	18.4	-1.6	15.0 - 25.0	Yes
Galliard Opportunistic	151,638,105		5.7			
Merganser Opportunistic	151,663,792		5.7			
Fort Washington Active Fixed Income	188,074,744		7.0			
Short Duration Credit	253,355,601	10.0	9.5	-0.5	5.0 - 15.0	Yes
Lord Abbett Short Duration	127,544,549		4.8			
Loop Capital Asset Management	125,811,052		4.7			
Cash	371,089,960	15.0	13.9	-1.1	15.0 - 20.0	No
PNC Treasury Management	371,085,807		13.9			
U.S. Bank Cash	4,153		0.0			
Total	2,672,774,080	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation



	Allocation	on				Perf	Performance (%)				
	Market	% of	1 Mo	3 Mo	YTD	FYTD	1 Yr	2 Yrs	3 Yrs	4 Yrs	5 Yrs
T. 1.15 10	Value (\$)	Portfolio	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Total Fund Composite	2,672,774,080	100.0	1.7	4.0	4.5	4.0	7.8	4.6	1.6	1.7	2.3
Policy Index	. =		2.1	4.2	3.8	4.2	6.9	3.6	0.7	0.9	1.7
Fixed Income Composite	1,724,298,324	64.5	1.8	4.0	2.9	4.0	6.3	2.6	-0.3	-0.1	1.1
Short Term Composite	253,355,601	9.5	1.5	3.2	2.9	3.2	6.2	3.0	0.5	0.4	1.2
Blmbg. 1-5 Year Gov/Credit			1.5	3.2	2.5	3.2	5.8	2.7	0.2	0.2	1.3
Lord Abbett Short Duration	127,544,549	4.8	1.5	3.2	2.8	3.2	6.1	3.1	0.6		
Blmbg. 1-5 Year Gov/Credit			1.5	3.2	2.5	3.2	5.8	2.7	0.2		
Loop Capital Asset Management	125,811,052	4.7	1.5	3.1	2.9	3.1	6.2	2.9	0.3	0.4	1.1
Blmbg. 1-5 Year Gov/Credit			1.5	3.2	2.5	3.2	5.8	2.7	0.2	0.2	1.3
Intermediate Term Composite	979,566,082	36.6	1.8	3.9	2.9	3.9	6.3	2.6	-0.3	-0.1	1.1
Blmbg. Intermed. U.S. Government/Credit			1.9	3.9	2.4	3.9	5.9	2.1	-0.8	-0.6	1.1
Galliard Intermediate Government	237,837,058	8.9	2.0	4.2	3.2	4.2	6.8	2.7	-0.2	0.0	1.2
Blmbg. Intermed. U.S. Government/Credit			1.9	3.9	2.4	3.9	5.9	2.1	-0.8	-0.6	1.1
Merganser Intermediate Bond	230,699,081	8.6	1.7	3.8	2.9	3.8	6.2	2.6	-0.3	-0.1	1.0
Blmbg. Intermed. U.S. Government/Credit			1.9	3.9	2.4	3.9	5.9	2.1	-0.8	-0.6	1.1
Fort Washington Intermediate Bond	198,057,870	7.4	1.9	4.0	2.8	4.0	6.2	2.5	-0.4		
Blmbg. Intermed. U.S. Government/Credit			1.9	3.9	2.4	3.9	5.9	2.1	-0.8		
Lord Abbett Intermediate Bond	227,546,156	8.5	1.9	4.0	2.7	4.0	6.1	2.3	-0.4		
Blmbg. Intermed. U.S. Government/Credit			1.9	3.9	2.4	3.9	5.9	2.1	-0.8		
PFM - Self Insurance Fund	47,378,163	1.8	1.5	3.1	2.6	3.1	5.9	2.8	0.4	0.4	1.5
ICE BofA 1-5 Yr Treasury & Agency			1.5	3.1	2.3	3.1	5.4	2.3	0.0	0.0	1.1
PFM - Disability Fund	20,973,416	0.8	1.5	3.1	2.6	3.1	5.9	2.8	0.4	0.4	1.5
ICE BofA 1-5 Yr Treasury & Agency			1.5	3.1	2.3	3.1	5.4	2.3	0.0	0.0	1.1
PFM - Workmen's Compensation Fund	11,451,937	0.4	1.0	2.2	2.6	2.2	5.6	3.3	1.3	1.0	1.6
ICE BofA U.S. Agencies, 1-3yr			1.0	2.2	2.5	2.2	5.6	3.0	0.9	0.7	1.3
PFM - Health & Dental Fund	5,622,403	0.2	1.0	2.2	2.7	2.2	5.6	3.3	1.3	1.0	1.6
ICE BofA U.S. Agencies, 1-3yr			1.0	2.2	2.5	2.2	5.6	3.0	0.9	0.7	1.3



	Allocation	on		Performance (%)							
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	FYTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	4 Yrs (%)	5 Yrs (%)
Opportunistic Composite	491,376,641	18.4	2.1	4.4	2.8	4.4	6.3	2.3	-0.6	-0.4	1.1
Blmbg. U.S. Intermediate Aggregate			2.1	4.6	2.2	4.6	5.6	1.4	-1.3	-0.9	0.6
Galliard Opportunistic	151,638,105	5.7	2.2	4.7	2.9	4.7	6.5	2.1	-0.9	-0.5	1.1
Blmbg. U.S. Intermediate Aggregate			2.1	4.6	2.2	4.6	5.6	1.4	-1.3	-0.9	0.6
Merganser Opportunistic	151,663,792	5.7	1.9	4.2	2.8	4.2	6.2	2.4	-0.6	-0.4	1.1
Blmbg. U.S. Intermediate Aggregate			2.1	4.6	2.2	4.6	5.6	1.4	-1.3	-0.9	0.6
Fort Washington Active Fixed Income	188,074,744	7.0	2.1	4.4	2.8	4.4	6.3	2.5	-0.5		
Blmbg. U.S. Intermediate Aggregate			2.1	4.6	2.2	4.6	5.6	1.4	-1.3		
Global Equity Composite	577,385,796	21.6	2.0	5.7	10.8	5.7	14.1	10.8	6.3	9.1	6.9
MSCI AC World Minimum Volatility Index (Net)			4.0	7.2	9.3	7.2	11.6	7.9	3.4	6.6	5.5
Vanguard Global Minimum Volatility Equity	272,603,405	10.2	3.2	6.3	12.4	6.3	16.5	10.5	6.2	8.4	5.7
MSCI AC World Minimum Volatility Index (Net)			4.0	7.2	9.3	7.2	11.6	7.9	3.4	6.6	5.5
Parametric Global Defensive Equity	304,782,391	11.4	0.9	5.1	9.3	5.1	11.9	11.2	6.4	9.5	7.2
50% MSCI ACWI / 50% 90 Day T-Bill			1.0	4.7	8.0	4.7	11.3	10.1	4.8	7.5	6.9
Cash Composite	371,089,960	13.9									
90 Day U.S. Treasury Bill			0.4	1.3	3.1	1.3	5.5	4.7	3.2	2.4	2.2
PNC Treasury Management	371,085,807	13.9	0.5	1.4	3.1	1.4	5.5	4.7	3.2	2.4	2.2
90 Day U.S. Treasury Bill			0.4	1.3	3.1	1.3	5.5	4.7	3.2	2.4	2.2
U.S. Bank Cash	4,153	0.0									
90 Day U.S. Treasury Bill			0.4	1.3	3.1	1.3	5.5	4.7	3.2	2.4	2.2

<sup>\*</sup> All data prior to 5/2023 was received from Marquette Associates.



<sup>\*</sup> Policy Index consist of 35% Bloomberg Intermediate U.S. Gov/Credit, 20% Bloomberg U.S. Intermediate Aggregate, 10% Bloomberg 1-5 Year Gov/Credit, 20% MSCI AC World Minimum Volatility Index (Net), and 15% 90 Day U.S. T-Bills.

	Allocation	on				Perf	ormance	e (%)			
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Total Fund Composite	2,672,774,080	100.0	6.7	-5.9	1.1	3.9	5.3	1.2	1.3	1.1	1.1
Policy Index			5.7	-7.1	1.0	3.9	5.7	1.2	0.8	0.9	0.8
Short Term Composite	253,355,601	9.5	5.1	-5.2	-1.0	3.2	3.5	1.6	0.7	8.0	0.6
Blmbg. 1-5 Year Gov/Credit			4.9	-5.5	-1.0	4.7	5.0	1.4	1.3	1.6	1.0
Lord Abbett Short Duration	127,544,549	4.8	5.1	-4.9							
Blmbg. 1-5 Year Gov/Credit			4.9	-5.5							
Loop Capital Asset Management	125,811,052	4.7	5.1	-5.6	-0.9	3.2	3.5	1.6	0.7	1.0	0.4
Blmbg. 1-5 Year Gov/Credit			4.9	-5.5	-1.0	4.7	5.0	1.4	1.3	1.6	1.0
Intermediate Term Composite	979,566,082	36.6	5.5	-7.5	-1.0	4.8	4.6	1.5	1.3	1.2	1.2
Blmbg. Intermed. U.S. Government/Credit			5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1
Galliard Intermediate Government	237,837,058	8.9	5.8	-8.1	-0.6	5.1	4.6	1.5	1.4	1.3	1.1
Blmbg. Intermed. U.S. Government/Credit			5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1
Merganser Intermediate Bond	230,699,081	8.6	5.5	-7.6	-1.0	4.6	4.6	1.5	1.3	1.2	1.0
Blmbg. Intermed. U.S. Government/Credit			5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1
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Lord Abbett Intermediate Bond	227,546,156	8.5	5.5	-7.7							
Blmbg. Intermed. U.S. Government/Credit			5.2	-8.2							
PFM - Self Insurance Fund	47,378,163	1.8	5.0	-5.0	-0.9	4.6	4.6	1.4	1.1	1.3	1.0
ICE BofA 1-5 Yr Treasury & Agency			4.3	-5.2	-1.1	4.2	4.2	1.5	0.7	1.1	1.0
PFM - Disability Fund	20,973,416	0.8	5.0	-5.1	-0.9	4.6	4.6	1.3	1.1	1.3	1.0
ICE BofA 1-5 Yr Treasury & Agency			4.3	-5.2	-1.1	4.2	4.2	1.5	0.7	1.1	1.0
PFM - Workmen's Compensation Fund	11,451,937	0.4	5.1	-3.0	-0.5	2.8	3.5	1.6	0.7	1.0	0.7
ICE BofA U.S. Agencies, 1-3yr			4.7	-3. <i>7</i>	-0.4	2.7	3.5	1.8	0.7	1.0	0.7
PFM - Health & Dental Fund	5,622,403	0.2	5.0	-3.1	-0.5	2.8	3.5	1.7	0.7	1.0	0.7
ICE BofA U.S. Agencies, 1-3yr			4.7	-3.7	-0.4	2.7	3.5	1.8	0.7	1.0	0.7



	Allocati	on		Performance (%)							
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Opportunistic Composite	491,376,641	18.4	5.7	-8.5	-1.4	6.3	5.9	1.3	2.0	1.6	1.5
Blmbg. U.S. Intermediate Aggregate			5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2
Galliard Opportunistic	151,638,105	5.7	5.7	-9.2	-1.1	6.6	5.9	1.3	2.2	1.6	1.4
Blmbg. U.S. Intermediate Aggregate			5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2
Merganser Opportunistic	151,663,792	5.7	5.6	-8.3	-1.4	5.9	5.8	1.4	1.7	1.6	1.2
Blmbg. U.S. Intermediate Aggregate			5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2
Fort Washington Active Fixed Income	188,074,744	7.0	5.8	-8.2							
Blmbg. U.S. Intermediate Aggregate			5.2	-9.5							
Global Equity Composite	577,385,796	21.6	11.2	-6.0	12.7	1.4	17.0				
MSCI AC World Minimum Volatility Index (Net)			7.7	-10.3	13.9	2.7	21.1				
Vanguard Global Minimum Volatility Equity	272,603,405	10.2	8.0	-4.5	12.0	-3.9	22.7				
MSCI AC World Minimum Volatility Index (Net)			7.7	-10.3	13.9	2.7	21.1				
Parametric Global Defensive Equity	304,782,391	11.4	14.6	-7.5	13.1	2.6	14.1				
50% MSCI ACWI / 50% 90 Day T-Bill			13.6	-8.5	9.0	9.1	14.1				
Cash Composite	371,089,960	13.9									
PNC Treasury Management	371,085,807	13.9	5.1	1.3	0.1	8.0	2.4	1.9	0.9	0.5	0.2
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0
U.S. Bank Cash	4,153	0.0									
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3				



<sup>\*</sup> All data prior to 5/2023 was received from Marquette Associates.

\* Policy Index consist of 35% Bloomberg Intermediate U.S. Gov/Credit, 20% Bloomberg U.S. Intermediate Aggregate, 10% Bloomberg 1-5 Year Gov/Credit, 20% MSCI AC World Minimum Volatility Index (Net), and 15% 90 Day U.S. T-Bills.

# **CASH FLOW SUMMARY BY MANAGER**

	1 Mor	nth Ending July 31,	, 2024			
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Gain/ Loss	Ending Market Value
Lord Abbett Short Duration	\$125,673,477	-	-	-	\$1,871,072	\$127,544,549
Loop Capital Asset Management	\$123,956,045	-	-	-	\$1,855,007	\$125,811,052
Galliard Intermediate Government	\$233,110,424	-	-	-	\$4,726,633	\$237,837,058
Merganser Intermediate Bond	\$226,757,969	-	-	-	\$3,941,112	\$230,699,081
Fort Washington Intermediate Bond	\$194,402,564	-	-	-	\$3,655,306	\$198,057,870
Lord Abbett Intermediate Bond	\$223,403,188	-	-	-	\$4,142,968	\$227,546,156
PFM - Self Insurance Fund	\$46,685,734	-	-	-	\$692,429	\$47,378,163
PFM - Disability Fund	\$20,668,727	-	-	-	\$304,688	\$20,973,416
PFM - Workmen's Compensation Fund	\$11,338,330	-	-	-	\$113,607	\$11,451,937
PFM - Health & Dental Fund	\$5,566,379	-	-	-	\$56,023	\$5,622,403
Galliard Opportunistic	\$148,402,091	-	-	-	\$3,236,014	\$151,638,105
Merganser Opportunistic	\$148,792,050	-	-	-	\$2,871,742	\$151,663,792
Fort Washington Active Fixed Income	\$184,249,815	-	-	-	\$3,824,929	\$188,074,744
Vanguard Global Minimum Volatility Equity	\$264,079,167	-	-	-	\$8,524,238	\$272,603,405
Parametric Global Defensive Equity	\$301,965,873	-	-	-	\$2,816,519	\$304,782,391
PNC Treasury Management	\$369,273,810	-	-	-	\$1,811,996	\$371,085,807
U.S. Bank Cash	\$4,136	-	-	-	\$18	\$4,153
Total	\$2,628,329,779				\$44,444,302	\$2,672,774,080

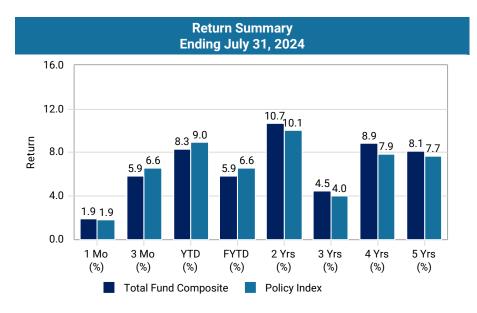


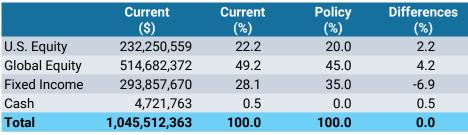


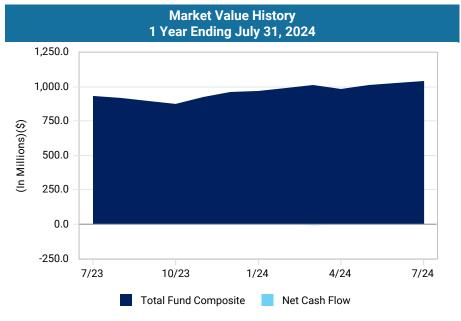
# SOUTH **BROWARD** HOSPITAL DISTRICT -RETIREMENT **PLAN**

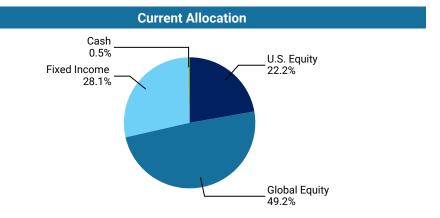
July 31, 2024

# **EXECUTIVE SUMMARY**









Summary of Cash Flows										
	3 Years									
Beginning Market Value	1,026,218,113	987,517,133	917,440,218							
Net Cash Flow	37,271	200,598	-5,105,947							
Net Investment Change	19,256,979	57,794,632	133,178,091							
<b>Ending Market Value</b>	1,045,512,363	1,045,512,363	1,045,512,363							



# **ASSET ALLOCATION VS. POLICY**



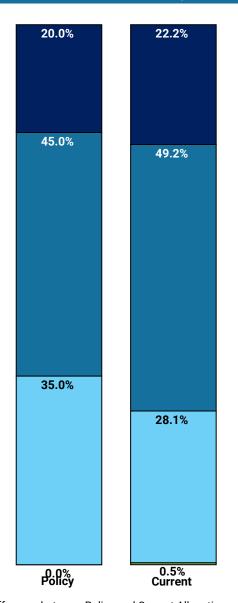
	Current (\$)	Current (%)	Policy (%)	Differences* (%)	Policy Range (%)	Within Range
C.S. McKee Aggregate Fixed Income	191,613,981	18.3	25.0	-6.7	20.0 - 30.0	No
Chartwell High Yield	48,195,638	4.6	5.0	-0.4	2.5 - 7.5	Yes
Aristotle Floating Rate Income	54,033,771	5.2	5.0	0.2	2.5 - 7.5	Yes
Vanguard Total Stock Market Fund	116,616,621	11.2	10.0	1.2	5.0 - 15.0	Yes
Parametric Defensive Equity	115,633,937	11.1	10.0	1.1	5.0 - 15.0	Yes
Dodge & Cox	208,993,891	20.0	17.5	2.5	12.5 - 22.5	Yes
Walter Scott & Partners	250,618,694	24.0	22.5	1.5	17.5 - 27.5	Yes
Vanguard Global Minimum Volatility	55,069,787	5.3	5.0	0.3	2.5 - 7.5	Yes
<b>Total Fund Composite</b>	1,045,512,363	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation



# **ASSET ALLOCATION VS. POLICY**





	Current Balance (\$)	Policy (%)	Current Allocation (%)	Differences (%)	Policy Range (%)	Within Range
U.S. Equity	232,250,559	20.0	22.2	2.2	15.0 - 25.0	Yes
Vanguard Total Stock Market Fund	116,616,621		11.2			
Parametric Defensive Equity	115,633,937		11.1			
Global Equity	514,682,372	45.0	49.2	4.2	40.0 - 50.0	Yes
Dodge & Cox	208,993,891		20.0			
Walter Scott & Partners	250,618,694		24.0			
Vanguard Global Minimum Volatility	55,069,787		5.3			
Fixed Income	293,857,670	35.0	28.1	-6.9	30.0 - 40.0	No
C.S. McKee Aggregate Fixed Income	191,613,981		18.3			
Chartwell High Yield	48,195,638		4.6			
Aristotle Floating Rate Income	54,033,771		5.2			
Wellington LCP Legacy Portfolio	14,280		0.0			
Cash	4,721,763	0.0	0.5	0.5	0.0 - 0.0	No
Money Market	710,107		0.1			
Vanguard Treasury Money Market	4,011,656		0.4			
Total	1,045,512,363	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation



MHS Retirement Plan

July 31, 2024

	Allocation	on				Perf	ormanc	e (%)			
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	FYTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	4 Yrs (%)	5 Yrs (%)
Total Fund Composite	1,045,512,363	100.0	1.9	5.9	8.3	5.9	12.1	10.7	4.5	8.9	8.1
Policy Index	.,,,.		1.9	6.6	9.0	6.6	12.6	10.1	4.0	7.9	7.7
Fixed Income Composite	293,857,670	28.1	1.9	4.3	3.0	4.3	6.9	3.5	-0.1	0.2	1.7
Custom Index			1.9	4.3	2.5	4.3	6.3	2.9	-0.5	0.0	1.5
C.S. McKee Aggregate Fixed Income	191,613,981	18.3	2.4	5.5	2.3	5.5	5.8	1.2	-2.3	-1.9	0.4
Blmbg. U.S. Aggregate Index			2.3	5.1	1.6	5.1	5.1	0.8	-2.6	-2.2	0.2
Chartwell High Yield	48,195,638	4.6	1.0	2.7	3.9	2.7	8.2	6.0	3.1	3.4	3.4
ICE BofA U.S. High Yield Cash Pay BB 1-3 Year			1.2	2.7	4.1	2.7	8.3	6.5	3.4	4.1	4.1
Aristotle Floating Rate Income	54,033,771	5.2	0.6	1.7	4.8	1.7	9.7	10.0	6.3	6.5	5.0
Credit Suisse Leveraged Loan Index			0.7	1.9	5.2	1.9	10.4	10.0	6.2	7.1	5.4
Wellington LCP Legacy Portfolio	14,280	0.0									
U.S. Equity Composite	232,250,559	22.2	1.3	7.9	13.1	7.9	17.1	14.7	7.9	13.2	11.7
CRSP U.S. Total Market TR Index			1.8	10.0	15.7	10.0	21.1	16.8	8.0	15.0	14.2
Vanguard Total Stock Market Fund	116,616,621	11.2	1.9	10.0	15.7	10.0	21.2	16.8	8.0	15.0	14.2
CRSP U.S. Total Market TR Index			1.8	10.0	15.7	10.0	21.1	16.8	8.0	15.0	14.2
Parametric Defensive Equity	115,633,937	11.1	8.0	5.9	10.6	5.9	13.6	12.8	8.0	11.1	8.9
50% S&P 500/50% 90 Day T-Bill			0.8	5.6	9.8	5.6	13.8	11.3	6.8	9.3	8.9
Global Equity Composite	514,682,372	49.2	2.1	5.9	9.3	5.9	13.0	13.6	5.9	12.8	10.7
MSCI AC World Index (Net)			1.6	8.1	13.1	8.1	17.0	14.9	5.8	12.0	11.0
Dodge & Cox	208,993,891	20.0	3.4	5.5	8.9	5.5	11.4	14.3	7.9	16.7	11.8
MSCI AC World Index Value (Net)			4.3	6.9	10.8	6.9	14.2	12.1	6.3	12.7	8.0
Walter Scott & Partners	250,618,694	24.0	0.9	6.0	9.1	6.0	13.6	13.8	4.2	10.7	10.4
MSCI World Growth (Net)			-1.0	9.7	16.1	9.7	21.6	19.1	6.0	12.6	14.8
Vanguard Global Minimum Volatility	55,069,787	5.3	3.2	6.3	12.4	6.3	16.5	10.5	6.2	8.4	5.7
MSCI AC World Minimum Volatility Index (Net)			4.0	7.2	9.3	7.2	11.6	7.9	3.4	6.6	5.5
Cash Composite	4,721,763	0.5	0.3	1.0	3.1	1.0	5.7	3.9	2.7	2.0	1.8
90 Day U.S. Treasury Bill			0.4	1.3	3.1	1.3	5.5	4.7	3.2	2.4	2.2

- All data is preliminary.
- Memorial Health Systems' Fiscal Year ends in April.
- All data prior to 5/2023 was received from Marquette Associates.
- Policy Index consist of 40% MSCI ACWI, 5% MSCI ACWI Minimum Volatility, 25% Bloomberg U.S. Aggregate, 10% CRSP US Total Market Index, 10% CBOE Put Write Index, 5% BofAML 1-3 Year High Yield BB, and 5% Credit Suisse Leveraged Loan Index.
- Custom Index consist of 71.4% Bloomberg U.S. Aggregate, 14.3% BofA Merrill Lynch 1-3 Yrs High Yield BB, and 14.3% Credit Suisse Leveraged Loan Index.



MHS Retirement Plan

July 31, 2024

	Allocation	Performance (%)					
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019
Total Fund Composite	1,045,512,363	100.0	16.3	-11.9	13.4	11.0	19.5
Policy Index			15.7	-13.9	12.6	11.7	19.6
Fixed Income Composite	293,857,670	28.1	7.5	-9.5	-0.2	6.3	8.6
Custom Index			7.1	-10.0	0.1	6.7	8.7
C.S. McKee Aggregate Fixed Income	191,613,981	18.3	5.9	-12.9	-1.8	7.6	8.9
Blmbg. U.S. Aggregate Index			5.5	-13.0	-1.5	7.5	8.7
Chartwell High Yield	48,195,638	4.6	8.1	-3.0	2.3	4.2	7.0
ICE BofA U.S. High Yield Cash Pay BB 1-3 Year			8.9	-3.1	3.2	5.4	8.7
Aristotle Floating Rate Income	54,033,771	5.2	13.4	-0.8	4.6	1.6	8.3
Credit Suisse Leveraged Loan Index			13.0	-1.1	5.4	2.8	8.2
Wellington LCP Legacy Portfolio	14,280	0.0					
U.S. Equity Composite	232,250,559	22.2	21.0	-13.8	21.8	13.6	23.5
CRSP U.S. Total Market TR Index			26.0	-19.5	25.7	21.0	30.8
Vanguard Total Stock Market Fund	116,616,621	11.2	26.0	-19.5	25.7	21.0	30.7
CRSP U.S. Total Market TR Index			26.0	-19.5	25.7	21.0	30.8
Parametric Defensive Equity	115,633,937	11.1	16.9	-7.7	17.2	5.0	16.0
50% S&P 500/50% 90 Day T-Bill			15.5	-8.2	13.7	10.1	16.3
Global Equity Composite	514,682,372	49.2	20.2	-12.8	19.0	12.4	27.1
MSCI AC World Index (Net)			22.2	-18.4	18.5	16.3	26.6
Dodge & Cox	208,993,891	20.0	20.3	-5.8	20.8	6.0	23.8
MSCI AC World Index Value (Net)			11.8	-7.5	19.6	-0.3	20.6
Walter Scott & Partners	250,618,694	24.0	23.1	-19.6	18.7	18.9	30.5
MSCI World Growth (Net)			37.0	-29.2	21.2	33.8	33.7
Vanguard Global Minimum Volatility	55,069,787	5.3	8.0	-4.5	12.0	-3.9	22.7
MSCI AC World Minimum Volatility Index (Net)			7.7	-10.3	13.9	2.7	21.1
Cash Composite	4,721,763	0.5	4.2	0.7	0.0	0.4	2.0
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3

- All data is preliminary.
- Memorial Health Systems' Fiscal Year ends in April.
- All data prior to 5/2023 was received from Marquette Associates.
- Policy Index consist of 40% MSCI ACWI, 5% MSCI ACWI Minimum Volatility, 25% Bloomberg U.S. Aggregate, 10% CRSP US Total Market Index, 10% CBOE Put Write Index, 5% BofAML 1-3 Year High Yield BB, and 5% Credit Suisse Leveraged Loan Index.
- Custom Index consist of 71.4% Bloomberg U.S. Aggregate,14.3% BofA Merrill Lynch 1-3 Yrs High Yield BB, and 14.3% Credit Suisse Leveraged Loan Index.



# **CASH FLOW SUMMARY BY MANAGER**

1 Month Ending July 31, 2024						
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Gain/ Loss	Ending Market Value
C.S. McKee Aggregate Fixed Income	\$187,057,087	-	-	-	\$4,556,895	\$191,613,981
Chartwell High Yield	\$47,712,498	-	-	-	\$483,139	\$48,195,638
Aristotle Floating Rate Income	\$53,664,885	-	-\$8,613	-\$8,613	\$377,499	\$54,033,771
Wellington LCP Legacy Portfolio	\$14,225	-	-	-	\$56	\$14,280
Vanguard Total Stock Market Fund	\$114,451,746	-	-	-	\$2,164,875	\$116,616,621
Parametric Defensive Equity	\$114,771,872	-	-	-	\$862,065	\$115,633,937
Dodge & Cox	\$202,048,863	-	-	-	\$6,945,028	\$208,993,891
Walter Scott & Partners	\$248,476,865	-	-	-	\$2,141,829	\$250,618,694
Vanguard Global Minimum Volatility	\$53,347,769	-	-	-	\$1,722,018	\$55,069,787
Money Market	\$694,626	\$23,613	-\$9,385	\$14,229	\$1,253	\$710,107
Vanguard Treasury Money Market	\$3,977,678	\$3,934,035	-\$3,902,379	\$31,656	\$2,322	\$4,011,656
Total	\$1,026,218,113	\$3,957,648	-\$3,920,377	\$37,271	\$19,256,979	\$1,045,512,363





# **MEMORIAL** HEALTHCARE **SYSTEM DEFINED** CONTRIBUTION **PLANS**

July 31, 2024

# **ASSET ALLOCATION VS. POLICY**

Current Al	



	Current (\$)	Current (%)
JPMorgan Target Date Funds	1,031,101,443	62.4
Transamerica Stable Value	933,273	0.1
Transamerica Guaranteed Investment Option	140,688,738	8.5
Dodge & Cox Income X (DOXIX)	27,712,920	1.7
Fidelity US Bond Index (FXNAX)	9,350,000	0.6
Fidelity Inflation Protected Bond Index (FIPDX)	17,219,837	1.0
American Beacon Large Cap Value Fund (AALRX)	27,267,291	1.7
Fidelity Spartan 500 Index (FXAIX)	126,894,862	7.7
Fidelity Large Cap Growth Index (FSPGX)	89,966,052	5.4
Fidelity Extended Market Index (FSMAX)	45,864,905	2.8
Dimensional US Targeted Value Strategy (DFFVX)	22,091,375	1.3
T. Rowe Price New Horizons (PRJIX)	37,254,000	2.3
Vanguard International-Growth (VWILX)	38,134,640	2.3
Fidelity Global ex US Index (FSGGX)	15,251,259	0.9
Charles Schwab Personal Choice	22,316,148	1.4
Total Fund Composite	1,652,046,744	100.0

Current



	Total Fund	
	\$	%
Total Fund Composite	1,375,107,239	100.0
JP Morgan Target Date Funds	846,554,014	61.6
JPMorgan SmartRetirement Blend Income (JIYBX)	41,223,082	3.0
JPMorgan SmartRetirement Blend 2020 (JSYRX)	67,277,556	4.9
JPMorgan SmartRetirement Blend 2025 (JBYSX)	133,694,839	9.7
JPMorgan SmartRetirement Blend 2030 (JRBYX)	144,510,125	10.5
JPMorgan SmartRetirement Blend 2035 (JPYRX)	127,416,768	9.3
JPMorgan SmartRetirement Blend 2040 (JOBYX)	98,766,698	7.2
JPMorgan SmartRetirement Blend 2045 (JMYAX)	88,247,887	6.4
JPMorgan SmartRetirement Blend 2050 (JNYAX)	78,956,418	5.7
JPMorgan SmartRetirement Blend 2055 (JTYBX)	41,671,272	3.0
JPMorgan SmartRetirement Blend 2060 (JAAYX)	21,785,550	1.6
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,003,818	0.2
Core Funds	510,075,383	37.1
Transamerica Stable Value	779,384	0.1
Transamerica Guaranteed Investment Option	129,278,799	9.4
Dodge & Cox Income X (DOXIX)	22,808,655	1.7
Fidelity US Bond Index (FXNAX)	8,553,408	0.6
Fidelity Inflation Protected Bond Index (FIPDX)	14,410,920	1.0
American Beacon Large Cap Value Fund (AALRX)	23,881,262	1.7
Fidelity Spartan 500 Index (FXAIX)	103,888,021	7.6
Fidelity Large Cap Growth Index (FSPGX)	72,427,914	5.3
Fidelity Extended Market Index (FSMAX)	38,499,334	2.8
Dimensional US Targeted Value Strategy (DFFVX)	18,813,758	1.4
T. Rowe Price New Horizons (PRJIX)	31,153,482	2.3
Vanguard International-Growth (VWILX)	31,912,055	2.3
Fidelity Global ex US Index (FSGGX)	13,668,393	1.0
Brokerage	18,477,842	1.3
Charles Schwab Personal Choice	18,477,842	1.3



	Total Fund	d
	\$	%
Total Fund Composite	107,365,578	100.0
JPMorgan Target Date Funds	90,540,017	84.3
JPMorgan SmartRetirement Blend Income (JIYBX)	1,158,946	1.1
JPMorgan SmartRetirement Blend 2020 (JSYRX)	2,479,088	2.3
JPMorgan SmartRetirement Blend 2025 (JBYSX)	6,393,079	6.0
JPMorgan SmartRetirement Blend 2030 (JRBYX)	8,646,542	8.1
JPMorgan SmartRetirement Blend 2035 (JPYRX)	11,560,527	10.8
JPMorgan SmartRetirement Blend 2040 (JOBYX)	11,944,366	11.1
JPMorgan SmartRetirement Blend 2045 (JMYAX)	14,736,027	13.7
JPMorgan SmartRetirement Blend 2050 (JNYAX)	15,861,922	14.8
JPMorgan SmartRetirement Blend 2055 (JTYBX)	11,610,410	10.8
JPMorgan SmartRetirement Blend 2060 (JAAYX)	5,434,809	5.1
JPMorgan SmartRetirement Blend 2065 (JSBYX)	714,301	0.7
Core Funds	16,766,091	15.6
Transamerica Stable Value	63,624	0.1
Transamerica Guaranteed Investment Option	1,286,403	1.2
Dodge & Cox Income X (DOXIX)	243,807	0.2
Fidelity US Bond Index (FXNAX)	724,258	0.7
Fidelity Inflation Protected Bond Index (FIPDX)	604,848	0.6
American Beacon Large Cap Value Fund (AALRX)	979,511	0.9
Fidelity Spartan 500 Index (FXAIX)	4,253,514	4.0
Fidelity Large Cap Growth Index (FSPGX)	3,161,565	2.9
Fidelity Extended Market Index (FSMAX)	1,187,902	1.1
Dimensional US Targeted Value Strategy (DFFVX)	910,223	0.8
T. Rowe Price New Horizons (PRJIX)	864,208	0.8
Vanguard International-Growth (VWILX)	1,004,047	0.9
Fidelity Global ex US Index (FSGGX)	1,482,183	1.4
Brokerage	59,470	0.1
Charles Schwab Personal Choice	59,470	0.1



	Total Fun	nd .
	\$	%
Total Fund Composite	143,333,077	100.0
JPMorgan Target Date Funds	71,013,213	49.5
JPMorgan SmartRetirement Blend Income (JIYBX)	3,989,879	2.8
JPMorgan SmartRetirement Blend 2020 (JSYRX)	5,167,425	3.6
JPMorgan SmartRetirement Blend 2025 (JBYSX)	12,412,931	8.7
JPMorgan SmartRetirement Blend 2030 (JRBYX)	12,363,201	8.6
JPMorgan SmartRetirement Blend 2035 (JPYRX)	10,985,500	7.7
JPMorgan SmartRetirement Blend 2040 (JOBYX)	8,481,561	5.9
JPMorgan SmartRetirement Blend 2045 (JMYAX)	8,510,024	5.9
JPMorgan SmartRetirement Blend 2050 (JNYAX)	6,316,101	4.4
JPMorgan SmartRetirement Blend 2055 (JTYBX)	2,005,763	1.4
JPMorgan SmartRetirement Blend 2060 (JAAYX)	777,426	0.5
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,403	0.0
Core Funds	68,541,028	47.8
Transamerica Stable Value	2,273	0.0
Transamerica Guaranteed Investment Option	9,838,287	6.9
Dodge & Cox Income X (DOXIX) - 457(b) Retirement Plan	4,551,515	3.2
Fidelity US Bond Index (FXNAX) - 457(b) Plan	72,334	0.1
Fidelity Inflation Protected Bond Index (FIPDX)	1,842,148	1.3
American Beacon Large Cap Value Fund (AALRX)	2,335,430	1.6
Fidelity Spartan 500 Index (FXAIX)	17,407,360	12.1
Fidelity Large Cap Growth Index (FSPGX)	13,797,142	9.6
Fidelity Extended Market Index (FSMAX)	6,060,596	4.2
Dimensional US Targeted Value Strategy (DFFVX)	2,367,394	1.7
T. Rowe Price New Horizons (PRJIX)	5,013,839	3.5
Vanguard International-Growth (VWILX)	5,152,026	3.6
Fidelity Global ex US Index (FSGGX)	100,684	0.1
Brokerage	3,778,837	2.6
Charles Schwab Personal Choice	3,778,837	2.6



	Total Fund		
	\$	%	
Total Fund Composite	26,240,850	100.0	
JPMorgan Target Date Funds	22,994,199	87.6	
JPMorgan SmartRetirement Blend Income (JIYBX)	249,607	1.0	
JPMorgan SmartRetirement Blend 2020 (JSYRX)	273,298	1.0	
JPMorgan SmartRetirement Blend 2025 (JBYSX)	6,966,549	26.5	
JPMorgan SmartRetirement Blend 2030 (JRBYX)	7,574,575	28.9	
JPMorgan SmartRetirement Blend 2035 (JPYRX)	4,364,981	16.6	
JPMorgan SmartRetirement Blend 2040 (JOBYX)	2,282,980	8.7	
JPMorgan SmartRetirement Blend 2045 (JMYAX)	1,239,315	4.7	
JPMorgan SmartRetirement Blend 2050 (JNYAX)	42,894	0.2	
JPMorgan SmartRetirement Blend 2055 (JTYBX)		0.0	
JPMorgan SmartRetirement Blend 2060 (JAAYX)		0.0	
JPMorgan SmartRetirement Blend 2065 (JSBYX)		0.0	
Core Funds	3,246,650	12.4	
Transamerica Stable Value	87,992	0.3	
Transamerica Guaranteed Investment Option	285,250	1.1	
Dodge & Cox Income X (DOXIX)	108,944	0.4	
Fidelity US Bond Index (FXNAX)		0.0	
Fidelity Inflation Protected Bond Index (FIPDX)	361,922	1.4	
American Beacon Large Cap Value Fund (AALRX)	71,089	0.3	
Fidelity Spartan 500 Index (FXAIX)	1,345,967	5.1	
Fidelity Large Cap Growth Index (FSPGX)	579,431	2.2	
Fidelity Extended Market Index (FSMAX)	117,074	0.4	
Dimensional US Targeted Value Strategy (DFFVX)		0.0	
T. Rowe Price New Horizons (PRJIX)	222,471	0.8	
Vanguard International-Growth (VWILX)	66,511	0.3	
Fidelity Global ex US Index (FSGGX)		0.0	
Brokerage		0.0	
Charles Schwab Personal Choice		0.0	



## **PERFORMANCE DETAIL**

	Allocation	on				Perform	nance (%)			
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total Fund Composite	1,652,046,744	100.0								
JPMorgan Target Date Funds	1,031,101,443	62.4								
JPMorgan SmartRetirement Blend Income (JIYBX)	46,621,513	2.8	2.3	6.3	6.8	10.6	1.5	4.6	4.6	4.5
S&P Target Date Retirement Income Index			2.0	5.5	5.5	9.0	1.5	4.2	4.4	4.2
JPMorgan SmartRetirement Blend 2020 (JSYRX)	75,197,367	4.6	2.2	6.3	6.8	10.6	1.5	4.8	4.9	5.1
S&P Target Date 2020 Index			2.1	6.0	6.7	10.3	2.3	5.6	5.6	5.6
JPMorgan SmartRetirement Blend 2025 (JBYSX)	159,467,398	9.7	2.3	6.6	7.3	11.1	1.8	5.7	5.7	5.8
S&P Target Date 2025 Index			2.1	6.1	7.0	10.6	2.6	6.4	6.3	6.2
JPMorgan SmartRetirement Blend 2030 (JRBYX)	173,094,443	10.5	2.3	7.2	8.5	12.3	2.6	6.9	6.6	6.6
S&P Target Date 2030 Index			2.2	6.7	8.1	11.9	3.3	7.4	7.1	6.9
JPMorgan SmartRetirement Blend 2035 (JPYRX)	154,327,776	9.3	2.3	7.7	9.8	13.5	3.5	8.1	7.5	7.4
S&P Target Date 2035 Index			2.3	7.1	9.3	13.2	4.0	8.5	7.9	7.6
JPMorgan SmartRetirement Blend 2040 (JOBYX)	121,475,605	7.4	2.3	8.1	10.7	14.4	4.2	8.9	8.2	7.9
S&P Target Date 2040 Index			2.4	7.5	10.4	14.4	4.7	9.3	8.6	8.2
JPMorgan SmartRetirement Blend 2045 (JMYAX)	112,733,253	6.8	2.3	8.3	11.4	15.1	4.7	9.6	8.7	8.3
S&P Target Date 2045 Index			2.4	7.7	11.1	15.0	5.2	9.9	9.0	8.5
JPMorgan SmartRetirement Blend 2050 (JNYAX)	101,177,334	6.1	2.3	8.5	11.8	15.4	4.9	9.8	8.8	8.4
S&P Target Date 2050 Index			2.4	7.9	11.5	15.5	5.5	10.2	9.2	8.7
JPMorgan SmartRetirement Blend 2055 (JTYBX)	55,287,445	3.3	2.3	8.5	11.8	15.4	4.9	9.8	8.8	8.4
S&P Target Date 2055 Index			2.4	8.0	11.6	15.5	5.5	10.2	9.3	8.8
JPMorgan SmartRetirement Blend 2060 (JAAYX)	27,997,785	1.7	2.3	8.5	11.8	15.4	5.0			
S&P Target Date 2060 Index			2.5	8.0	11.6	15.6	5.5			
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,721,522	0.2	2.3	8.4	12.0	15.5				
S&P Target Date 2065+ Index			2.4	8.1	11.8	15.8				



### **PERFORMANCE DETAIL**

	Allocation	on				Perform	nance (%)			
	Market Value (\$)	% of Portfolio	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Core Funds	583,377,893	35.3								
Transamerica Stable Value	933,273	0.1	0.2	0.6	1.5	2.6	2.0	1.7	1.6	1.4
90 Day U.S. Treasury Bill			0.4	1.3	3.1	5.5	3.2	2.2	2.1	1.5
Transamerica Guaranteed Investment Option	140,688,738	8.5	0.2	0.6	1.5	2.6	2.4	2.2	1.9	1.7
90 Day U.S. Treasury Bill			0.4	1.3	3.1	5.5	3.2	2.2	2.1	1.5
Dodge & Cox Income X (DOXIX)	27,712,920	1.7	2.5	5.7	2.7	7.0	-0.8	1.9	2.4	2.6
Blmbg. U.S. Aggregate Index			2.3	5.1	1.6	5.1	-2.6	0.2	1.1	1.6
Fidelity US Bond Index (FXNAX)	9,350,000	0.6	2.2	5.0	1.7	5.0	-2.7	0.2	1.1	1.6
Blmbg. U.S. Aggregate Index			2.3	5.1	1.6	5.1	-2.6	0.2	1.1	1.6
Fidelity Inflation Protected Bond Index (FIPDX)	17,219,837	1.0	1.7	4.2	2.7	4.3	-1.6	2.3	2.6	2.0
Blmbg. U.S. TIPS			1.8	4.3	2.5	4.4	-1.6	2.4	2.7	2.1
American Beacon Large Cap Value Fund (AALRX)	27,267,291	1.7	4.8	7.6	13.4	17.7	9.0	11.8	10.4	9.4
Russell 1000 Value Index			5.1	7.4	12.1	14.8	7.0	9.9	9.2	9.0
Fidelity Spartan 500 Index (FXAIX)	126,894,862	7.7	1.2	10.0	16.7	22.1	9.6	15.0	14.1	13.1
S&P 500 Index			1.2	10.0	16.7	22.1	9.6	15.0	14.1	13.2
Fidelity Large Cap Growth Index (FSPGX)	89,966,052	5.4	-1.7	11.2	18.6	27.0	9.5	18.4	17.9	
Russell 1000 Growth Index			-1.7	11.2	18.6	26.9	9.5	18.4	17.9	
Fidelity Extended Market Index (FSMAX)	45,864,905	2.8	6.2	9.6	9.7	15.3	-0.1	9.6	9.6	9.4
Dow Jones U.S. Completion Total Stock Market Indx			6.2	9.6	9.7	15.0	-0.3	9.5	9.5	9.2
Dimensional US Targeted Value Strategy (DFFVX)	22,091,375	1.3	9.8	12.3	10.3	16.4	10.8	14.0	10.5	9.5
Russell 2000 Value Index			12.2	15.5	11.2	15.7	4.6	9.5	7.5	8.1
T. Rowe Price New Horizons (PRJIX)	37,254,000	2.3	4.9	5.1	1.8	2.2	-8.6	7.0	11.4	12.0
Russell 2000 Growth Index			8.2	13.8	13.0	12.8	-1.1	7.6	8.4	8.9
Vanguard International-Growth (VWILX)	38,134,640	2.3	1.2	6.9	9.1	5.0	-6.3	9.1	8.1	7.9
MSCI AC World ex USA (Net)			2.3	5.2	8.1	9.7	1.8	6.3	5.0	4.2
Fidelity Global ex US Index (FSGGX)	15,251,259	0.9	2.5	5.9	8.4	10.0	1.9	6.5	5.0	4.3
MSCI AC World ex USA (Net)			2.3	5.2	8.1	9.7	1.8	6.3	5.0	4.2
Brokerage	22,316,148	1.4								
Charles Schwab Personal Choice	22,316,148	1.4								

<sup>-</sup> All data prior to 5/2023 was received from Marquette Associates

<sup>-</sup> Performance is net of fees and is annualized for periods longer than one year. Performance is ranked within PARis's style-specific universes, where "1" refers to the top percentile and "100" th bottom percentile.



<sup>-</sup> Transamerica Stable Value Fund is not an open option for plan participants
- Assets include: Memorial Healthcare System RSP Gold 403(b) Plan, Memorial Healthcare System 457(b) Plan, Memorial Healthcare System SERP 457(f

### **TOTAL FUND PERFORMANCE DETAIL**

	Allocation	on				Perf	ormance	e (%)			
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Total Fund Composite	1,652,046,744										
JPMorgan SmartRetirement Blend Income (JIYBX)	46,621,513		11.8	-13.7	6.3	9.6	14.1	-3.8	10.7	5.8	-0.7
S&P Target Date Retirement Income Index			10.3	-11.2	5.1	8.8	13.3	-2.5	8.5	5.0	-0.2
JPMorgan SmartRetirement Blend 2020 (JSYRX)	75,197,367		12.0	-13.7	6.4	10.1	15.5	-4.5	13.4	6.8	-0.7
S&P Target Date 2020 Index			12.3	-12.8	8.8	10.2	16.5	-4.2	12.8	7.2	-0.2
JPMorgan SmartRetirement Blend 2025 (JBYSX)	159,467,398		13.4	-15.2	9.1	11.3	18.3	-5.7	15.6	7.2	-0.7
S&P Target Date 2025 Index			13.0	-13.1	10.7	11.2	18.4	-5.0	14.6	7.8	-0.3
JPMorgan SmartRetirement Blend 2030 (JRBYX)	173,094,443		15.3	-16.1	11.3	12.2	20.4	-6.6	17.4	7.9	-0.8
S&P Target Date 2030 Index			14.8	-14.0	12.6	11.9	20.4	-6.0	16.2	8.3	-0.3
JPMorgan SmartRetirement Blend 2035 (JPYRX)	154,327,776		17.1	-16.7	14.1	12.6	22.3	-7.4	18.9	8.3	-1.0
S&P Target Date 2035 Index			16.6	-15.0	14.9	12.8	22.2	-6.9	17.8	8.9	-0.3
JPMorgan SmartRetirement Blend 2040 (JOBYX)	121,475,605		18.4	-17.2	15.9	13.0	23.8	-8.0	20.3	8.8	-1.1
S&P Target Date 2040 Index			18.2	-15.6	16.5	13.4	23.4	-7.4	18.9	9.2	-0.4
JPMorgan SmartRetirement Blend 2045 (JMYAX)	112,733,253		19.5	-17.6	17.7	13.1	24.6	-8.3	20.5	8.8	-1.0
S&P Target Date 2045 Index			19.1	-15.8	17.5	13.7	24.0	-7.7	19.6	9.5	-0.5
JPMorgan SmartRetirement Blend 2050 (JNYAX)	101,177,334		19.8	-17.6	17.8	13.4	24.6	-8.3	20.5	8.8	-1.1
S&P Target Date 2050 Index			19.6	-16.0	18.0	13.9	24.4	-7.9	20.2	9.7	-0.5
JPMorgan SmartRetirement Blend 2055 (JTYBX)	55,287,445		19.7	-17.6	17.8	13.2	24.7	-8.4	20.4	8.8	-1.0
S&P Target Date 2055 Index			19.6	-16.0	18.2	13.9	24.5	-8.0	20.5	9.9	-0.5
JPMorgan SmartRetirement Blend 2060 (JAAYX)	27,997,785		19.7	-17.4	17.8						
S&P Target Date 2060 Index			19.7	-16.0	18.0						
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,721,522		19.1								
S&P Target Date 2065+ Index			19.8								
Transamerica Stable Value	933,273		2.5	1.6	1.0	1.2	1.8	1.3	1.0	1.0	1.0
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0
Transamerica Guaranteed Investment Option	140,688,738		2.5	2.2	2.3	1.6	1.8	1.3	1.0	1.0	1.0
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0



### **TOTAL FUND PERFORMANCE DETAIL**

	Allocati	on		Performance (%)							
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Dodge & Cox Income X (DOXIX)	27,712,920		7.8	-10.8	-0.9	9.5	9.7	-0.3	4.4	5.6	-0.6
Blmbg. U.S. Aggregate Index			5.5	-13.0	-1.5	7.5	8.7	0.0	3.5	2.6	0.5
Fidelity US Bond Index (FXNAX)	9,350,000		5.5	-13.0	-1.8	7.8	8.5	0.0	3.5	2.5	0.6
Blmbg. U.S. Aggregate Index			5.5	-13.0	-1.5	7.5	8.7	0.0	3.5	2.6	0.5
Fidelity Inflation Protected Bond Index (FIPDX)	17,219,837		3.8	-12.0	5.9	10.9	8.3	-1.4	3.0	4.9	-1.7
Blmbg. U.S. TIPS			3.9	-11.8	6.0	11.0	8.4	-1.3	3.0	4.7	-1.4
American Beacon Large Cap Value Fund (AALRX)	27,267,291		13.5	-5.2	28.0	3.4	29.7	-12.0	17.1	16.0	-6.1
Russell 1000 Value Index			11.5	-7.5	25.2	2.8	26.5	-8.3	13.7	17.3	-3.8
Fidelity Spartan 500 Index (FXAIX)	126,894,862		26.3	-18.1	28.7	18.4	31.5	-4.4	21.8	12.0	1.4
S&P 500 Index			26.3	-18.1	28.7	18.4	31.5	-4.4	21.8	12.0	1.4
Fidelity Large Cap Growth Index (FSPGX)	89,966,052		42.8	-29.2	27.6	38.4	36.4	-1.6	30.1		
Russell 1000 Growth Index			42.7	-29.1	27.6	38.5	36.4	-1.5	30.2		
Fidelity Extended Market Index (FSMAX)	45,864,905		25.4	-26.4	12.4	32.2	28.0	-9.4	18.2	16.1	-3.3
Dow Jones U.S. Completion Total Stock Market Indx			25.0	-26.5	12.4	32.2	27.9	-9.6	18.1	15.7	-3.4
Dimensional US Targeted Value Strategy (DFFVX)	22,091,375		19.3	-4.6	38.8	3.8	21.5	-15.8	9.6	26.9	-5.7
Russell 2000 Value Index			14.6	-14.5	28.3	4.6	22.4	-12.9	7.8	31.7	-7.5
T. Rowe Price New Horizons (PRJIX)	37,254,000		21.5	-36.9	9.8	57.9	37.8	4.2	31.7	7.9	4.5
Russell 2000 Growth Index			18.7	-26.4	2.8	34.6	28.5	-9.3	22.2	11.3	-1.4
Vanguard International-Growth (VWILX)	38,134,640		14.8	-30.8	-0.7	59.7	31.5	-12.6	43.2	1.8	-0.5
MSCI AC World ex USA (Net)			15.6	-16.0	7.8	10.7	21.5	-14.2	27.2	4.5	-5.7
Fidelity Global ex US Index (FSGGX)	15,251,259		15.6	-15.7	7.8	10.7	21.3	-13.9	27.4	4.6	-5.6
MSCI AC World ex USA (Net)			15.6	-16.0	7.8	10.7	21.5	-14.2	27.2	4.5	-5.7
Charles Schwab Personal Choice	22,316,148										
All data with E/0000	•										

<sup>-</sup> All data prior to 5/2023 was received from Marguette Associates



<sup>-</sup> Transamerica Stable Value Fund is not an open option for plan participants

<sup>-</sup> Assets include: Memorial Healthcare System RSP Gold 403(b) Plan, Memorial Healthcare System 401(a) Plan, Memorial Healthcare System 457(b) Plan, Memorial Healthcare System SERP 457(f Plan

<sup>-</sup> Performance is net of fees and is annualized for periods longer than one year. Performance is ranked within PARis's style-specific universes, where "1" refers to the top percentile and "100" th bottom percentile.



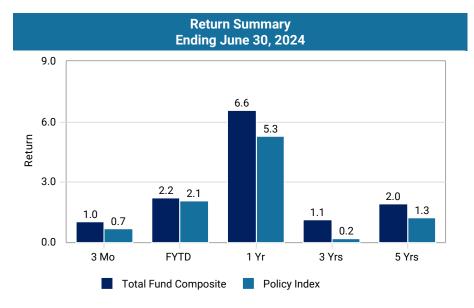
# QUARTERLY **PERFORMANCE REVIEW**

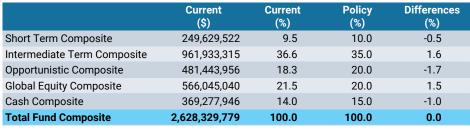
Q2 2024



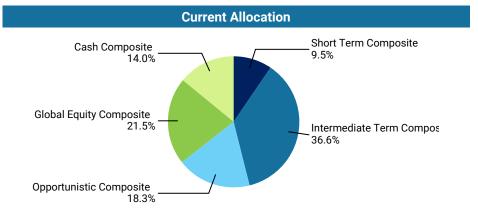
SOUTH **BROWARD** HOSPITAL DISTRICT -**OPERATING FUNDS** Q2 2024

### **EXECUTIVE SUMMARY**





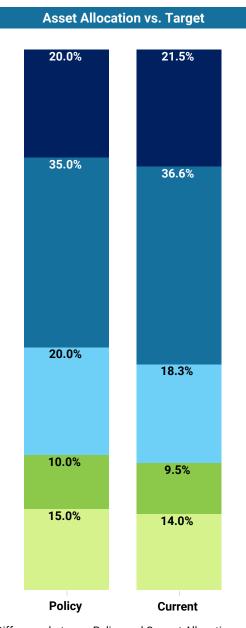




	Summary	of Cash Flows	:	
	1 Quarter	1 Year	3 Years	5 Years
Beginning Market Value	2,601,159,732	2,402,758,165	2,572,985,477	2,161,110,774
Net Cash Flow		69,425,443	-25,949,128	233,569,940
Net Investment Change	27,170,047	156,146,171	81,293,430	233,649,065
<b>Ending Market Value</b>	2,628,329,779	2,628,329,779	2,628,329,779	2,628,329,779



## **ASSET ALLOCATION VS. POLICY**

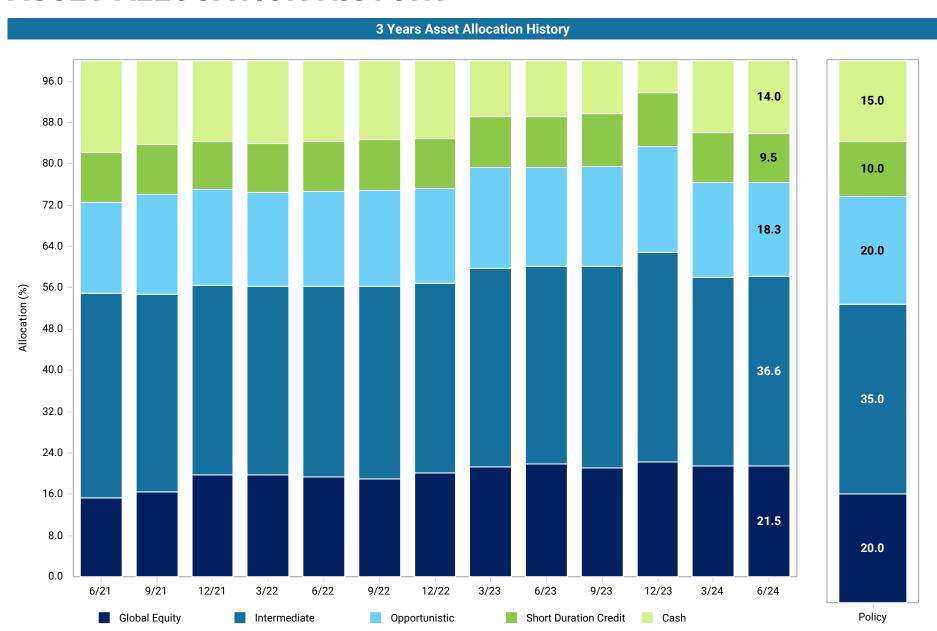


	Current (\$)	Current (%)	Policy (%)	Differences* (%)	Policy Range (%)	Within Range
Global Equity	566,045,040	21.5	20.0	1.5	15.0 - 25.0	Yes
Vanguard Global Minimum Volatility Equity	264,079,167	10.0				
Parametric Global Defensive Equity	301,965,873	11.5				
Intermediate	961,933,315	36.6	35.0	1.6	30.0 - 40.0	Yes
Galliard Intermediate Government	233,110,424	8.9				
Merganser Intermediate Bond	226,757,969	8.6				
Fort Washington Intermediate Bond	194,402,564	7.4				
Lord Abbett Intermediate Bond	223,403,188	8.5				
PFM - Self Insurance Fund	46,685,734	1.8				
PFM - Disability Fund	20,668,727	0.8				
PFM - Workmen's Compensation Fund	11,338,330	0.4				
PFM - Health & Dental Fund	5,566,379	0.2				
Opportunistic	481,443,956	18.3	20.0	-1.7	15.0 - 25.0	Yes
Galliard Opportunistic	148,402,091	5.6				
Merganser Opportunistic	148,792,050	5.7				
Fort Washington Active Fixed Income	184,249,815	7.0				
Short Duration Credit	249,629,522	9.5	10.0	-0.5	5.0 - 15.0	Yes
Lord Abbett Short Duration	125,673,477	4.8				
Loop Capital Asset Management	123,956,045	4.7				
Cash	369,277,946	14.0	15.0	-1.0	15.0 - 20.0	No
PNC Treasury Management	369,273,810	14.0				
U.S. Bank Cash	4,136	0.0				
Total	2,628,329,779	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation

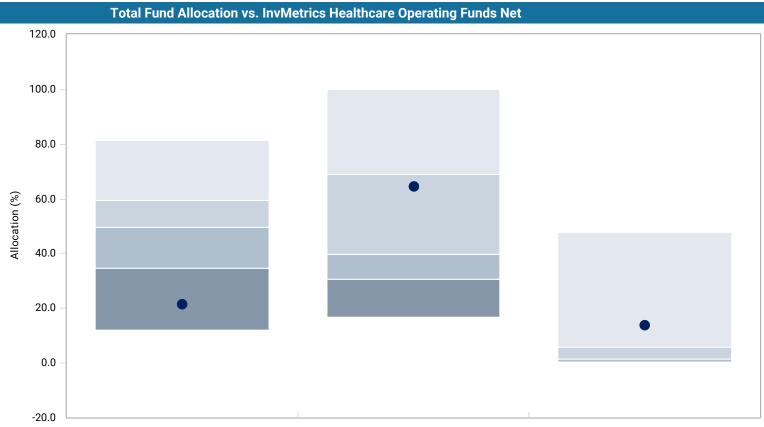


### **ASSET ALLOCATION HISTORY**





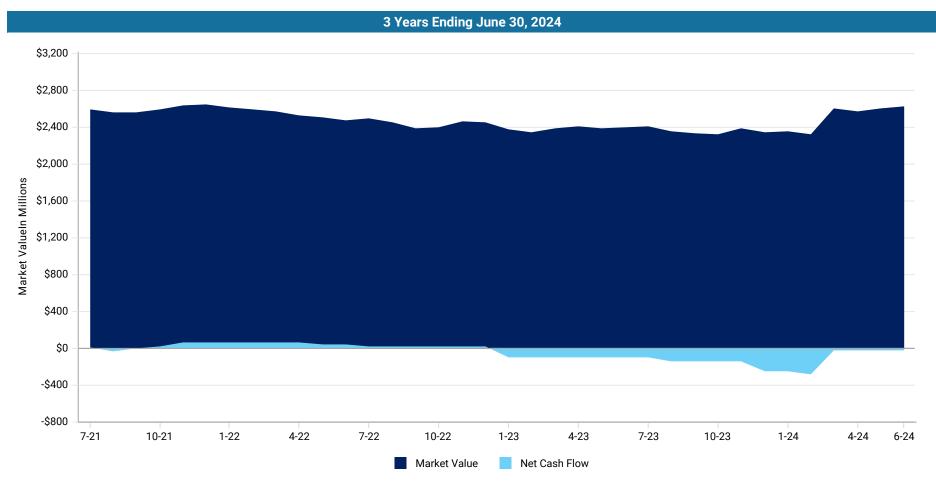
### **ALLOCATIONS VS. PEER UNIVERSE**



	Total Equity	Total Fixed Income	Cash & Equivalents
<ul><li>Total Fund Composite</li></ul>	21.5 (90)	64.4 (29)	14.0 (18)
5th Percentile	81.3	100.0	47.7
1st Quartile	59.5	68.9	5.8
Median	49.7	39.6	1.4
3rd Quartile	34.7	30.8	0.3
95th Percentile	12.1	16.9	0.0
Population	76	93	83



### **ASSET GROWTH SUMMARY**



	Last Three Months	Year To Date	1 Year	3 Years
Beginning Market Value	2,601,159,732	2,341,109,499	2,402,758,165	2,572,985,477
Net Cash Flow	-	218,618,517	69,425,443	-25,949,128
Net Investment Change	27,170,047	68,601,763	156,146,171	81,293,430
Ending Market Value	2,628,329,779	2,628,329,779	2,628,329,779	2,628,329,779
Net Change	27,170,047	287,220,279	225,571,614	55,344,302



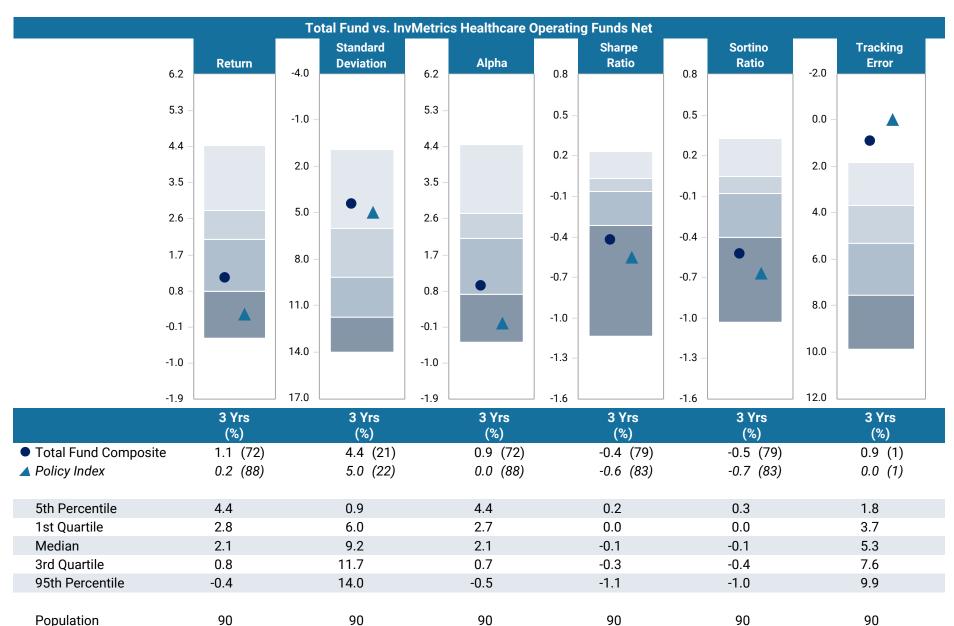
### **RETURN SUMMARY VS. PEER UNIVERSE**

# Total Fund Composite vs. InvMetrics Healthcare Operating Funds Net 23.0 20.0 17.0 14.0 8.0 5.0 2.0 -1.0 4.0

	3 Мо	YTD	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years
<ul><li>Total Fund Composite</li></ul>	1.0 (65)	2.8 (70)	6.6 (73)	4.5 (78)	1.1 (72)	2.0 (84)	2.1 (83)	1.8 (85)
▲ Policy Index	0.7 (90)	1.7 (85)	5.3 (85)	3.4 (87)	0.2 (88)	1.3 (93)	1.6 (90)	1.4 (91)
5th Percentile	2.1	9.0	16.6	14.5	4.4	8.3	8.1	6.8
1st Quartile	1.4	6.3	12.5	11.1	2.8	6.5	6.5	5.7
Median	1.2	5.2	10.0	9.0	2.1	5.4	5.3	5.1
3rd Quartile	0.9	2.4	6.1	4.9	0.8	2.7	3.4	3.1
95th Percentile	0.1	0.9	4.4	2.4	-0.4	1.0	1.4	1.3
Population	101	99	99	96	90	81	70	54

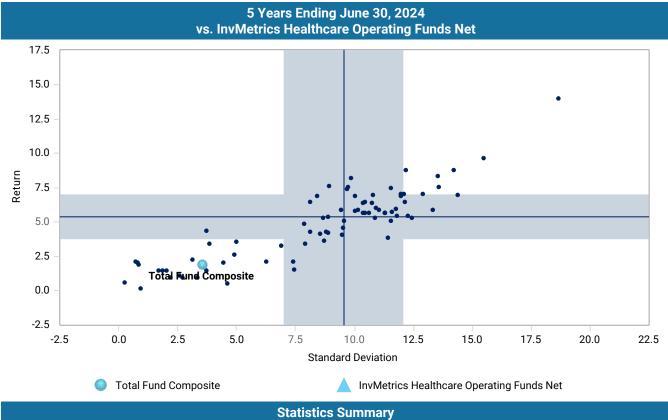


### **RISK STATISTICS VS. PEER UNIVERSE - 3 YEAR**





### **RISK VS. RETURN - 5 YEAR**



		atistics Summary Ending June 30, 2024		
	5 Years Return	5 Years Standard Deviation	5 Years Sharpe Ratio	5 Years Sortino Ratio
Total Fund Composite	2.0	3.5	0.0	-0.1
Policy Index	1.3	4.0	-0.2	-0.3



### **COMPOSITE PERFORMANCE DETAIL**

	Allocation	on				Perforr	nance (%	)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total Fund Composite	2,628,329,779	100.0	1.0	2.8	2.2	6.6	1.1	2.0	2.1	1.8
Policy Index			0.7	1.7	2.1	5.3	0.2	1.3	1.6	1.4
InvMetrics Healthcare Operating Funds Net Rank			65	70	72	73	72	84	83	85
Short Term Composite	249,629,522	9.5	1.0	1.4	1.7	5.2	0.0	0.9	1.2	1.1
Blmbg. 1-5 Year Gov/Credit			0.8	1.0	1.6	4.7	-0.2	1.0	1.5	1.4
eV US Short Duration Fixed Inc Rank			53	72	9	58	83	91	93	94
Intermediate Term Composite	961,933,315	36.6	0.8	1.0	2.0	4.7	-0.7	0.7	1.2	1.2
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	2.0	4.2	-1.2	0.7	1.4	1.5
eV US Interm Duration Fixed Inc Rank			9	22	60	31	14	61	80	89
Opportunistic Composite	481,443,956	18.3	0.8	0.8	2.3	4.5	-1.1	0.7	1.4	1.5
Blmbg. U.S. Intermediate Aggregate			0.5	0.0	2.4	3.5	-1.8	0.2	1.0	1.3
eV US Interm Duration Fixed Inc Rank			14	37	28	42	38	59	64	65
Global Equity Composite	566,045,040	21.5	1.5	8.6	3.6	13.2	5.8	6.6		
MSCI AC World Minimum Volatility Index (Net)			0.3	5.1	3.0	9.1	2.6	4.7		
eV Global All Cap Equity Rank			47	48	61	59	30	85		



### **PERFORMANCE DETAIL**

	Allocati	on					Perfor	mance (	(%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund Composite	2,628,329,779	100.0	1.0	2.8	6.6	1.1	2.0	2.1	1.8	2.6	Apr-06
Policy Index			0.7	1.7	5.3	0.2	1.3	1.6	1.4	2.3	
InvMetrics Healthcare Operating Funds Net Rank			65	70	73	72	84	83	85	97	
Fixed Income Composite	1,693,006,793	64.4	8.0	1.0	4.7	-0.7	0.7	1.2	1.3	1.8	Dec-08
Short Term Composite	249,629,522	9.5	1.0	1.4	5.2	0.0	0.9	1.2	1.1	2.0	Apr-06
Blmbg. 1-5 Year Gov/Credit			0.8	1.0	4.7	-0.2	1.0	1.5	1.4	2.5	
eV US Short Duration Fixed Inc Rank			53	72	58	83	91	93	94	89	
Lord Abbett Short Duration	125,673,477	4.8	1.0	1.3	5.0					0.1	Jul-21
Blmbg. 1-5 Year Gov/Credit			0.8	1.0	4.7	-0.2				-0.2	
Loop Capital Asset Management	123,956,045	4.7	1.0	1.4	5.3	0.0	8.0	1.2	1.0	1.8	Apr-06
Blmbg. 1-5 Year Gov/Credit			0.8	1.0	4.7	-0.2	1.0	1.5	1.4	2.5	
Intermediate Term Composite	961,933,315	36.6	8.0	1.0	4.7	-0.7	0.7	1.2	1.2	2.6	Apr-06
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	4.2	-1.2	0.7	1.4	1.5	3.0	
eV US Interm Duration Fixed Inc Rank			9	22	31	14	61	80	89	95	
Galliard Intermediate Government	233,110,424	8.9	0.8	1.1	5.1	-0.6	8.0	1.3	1.3	2.5	Apr-06
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	4.2	-1.2	0.7	1.4	1.5	3.0	
Merganser Intermediate Bond	226,757,969	8.6	0.9	1.1	4.7	-0.7	0.7	1.2	1.2	2.2	Apr-06
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	4.2	-1.2	0.7	1.4	1.5	3.0	
Fort Washington Intermediate Bond	194,402,564	7.4	0.9	0.9	4.5					-1.0	Jul-21
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	4.2	-1.2				-1.2	
Lord Abbett Intermediate Bond	223,403,188	8.5	8.0	8.0	4.5					-1.0	Jul-21
Blmbg. Intermed. U.S. Government/Credit			0.6	0.5	4.2	-1.2				-1.2	
PFM - Self Insurance Fund	46,685,734	1.8	0.9	1.1	4.8	0.0	1.1	1.5	1.4		Sep-01
ICE BofA 1-5 Yr Treasury & Agency			0.8	0.8	4.2	-0.3	0.8	1.2	1.2	2.4	
PFM - Disability Fund	20,668,727	0.8	0.9	1.1	4.8	0.0	1.1	1.5	1.4		Sep-01
ICE BofA 1-5 Yr Treasury & Agency			0.8	0.8	4.2	-0.3	0.8	1.2	1.2	2.4	
PFM - Workmen's Compensation Fund	11,338,330	0.4	1.0	1.6	5.0	1.0	1.4	1.6	1.3		Sep-01
ICE BofA U.S. Agencies, 1-3yr			1.0	1.5	4.9	0.6	1.1	1.4	1.2	2.3	
PFM - Health & Dental Fund	5,566,379	0.2	1.0	1.6	5.1	1.0	1.4	1.6	1.3		Sep-01
ICE BofA U.S. Agencies, 1-3yr			1.0	1.5	4.9	0.6	1.1	1.4	1.2	2.3	



### **PERFORMANCE DETAIL**

	Allocati	on					Perfor	mance (	(%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Opportunistic Composite	481,443,956	18.3	8.0	8.0	4.5	-1.1	0.7	1.4	1.5	3.1	Apr-06
Blmbg. U.S. Intermediate Aggregate			0.5	0.0	3.5	-1.8	0.2	1.0	1.3	2.9	
eV US Interm Duration Fixed Inc Rank			14	37	42	38	59	64	65	62	
Galliard Opportunistic	148,402,091	5.6	0.7	0.7	4.5	-1.3	0.7	1.4	1.5	3.0	Apr-06
Blmbg. U.S. Intermediate Aggregate			0.5	0.0	3.5	-1.8	0.2	1.0	1.3	2.9	
Merganser Opportunistic	148,792,050	5.7	0.8	0.8	4.5	-1.0	0.7	1.3	1.4	2.6	Feb-07
Blmbg. U.S. Intermediate Aggregate			0.5	0.0	3.5	-1.8	0.2	1.0	1.3	2.8	
Fort Washington Active Fixed Income	184,249,815	7.0	8.0	0.7	4.4					-1.1	Jul-21
Blmbg. U.S. Intermediate Aggregate			0.5	0.0	3.5	-1.8				-1.8	
Global Equity Composite	566,045,040	21.5	1.5	8.6	13.2	5.8	6.6			7.1	Feb-18
MSCI AC World Minimum Volatility Index (Net)			0.3	5.1	9.1	2.6	4.7			5.0	
eV Global All Cap Equity Rank			47	48	59	30	85			55	
Vanguard Global Minimum Volatility Equity	264,079,167	10.0	0.2	8.9	13.4	5.4	5.3			6.5	Feb-18
MSCI AC World Minimum Volatility Index (Net)			0.3	5.1	9.1	2.6	4.7			5.0	
eV Global Low Volatility Equity Rank			51	21	25	27	63			17	
Parametric Global Defensive Equity	301,965,873	11.5	2.6	8.3	13.1	6.2	7.0			6.2	Sep-18
50% MSCI ACWI / 50% 90 Day T-Bill			2.1	6.9	12.4	4.6	6.8			6.2	
Cash Composite	369,277,946	14.0	1.3	2.6	5.4	3.0	2.2	2.1			Jan-15
90 Day U.S. Treasury Bill			1.3	2.6	5.4	3.0	2.2	2.1		1.6	
PNC Treasury Management	369,273,810	14.0	1.3	2.6	5.4	3.0	2.2	2.1	1.6	1.5	Apr-14
90 Day U.S. Treasury Bill			1.3	2.6	5.4	3.0	2.2	2.1	1.5	1.5	
U.S. Bank Cash	4,136	0.0	1.3	2.6	4.5	60.9	34.3			26.7	Mar-18
90 Day U.S. Treasury Bill			1.3	2.6	5.4	3.0	2.2			2.2	

<sup>\*</sup> All data prior to 5/2023 was received from Marquette Associates.



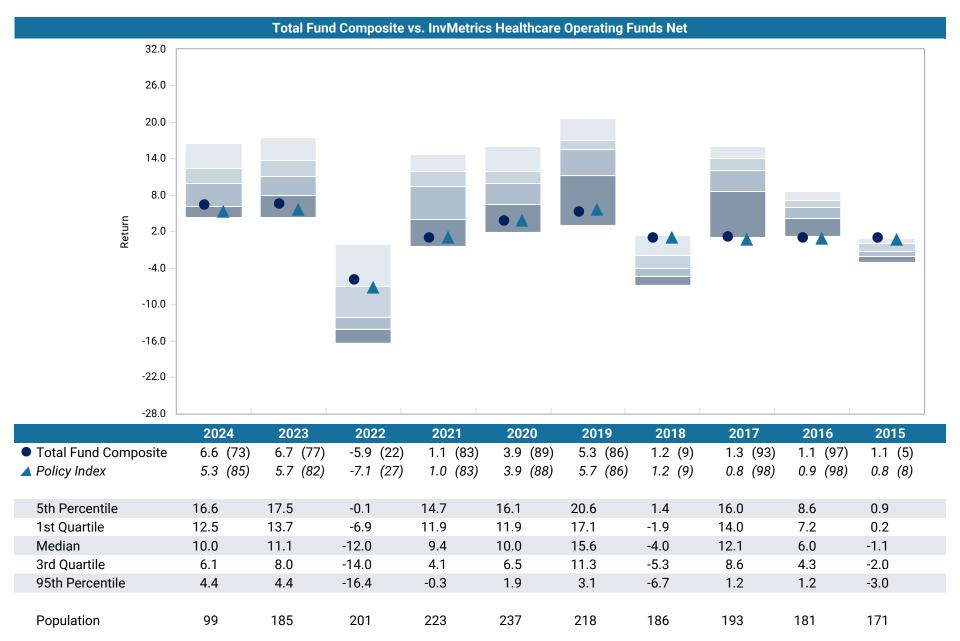
<sup>\*</sup> Policy Index consist of 35% Bloomberg Intermediate U.S. Gov/Credit, 20% Bloomberg U.S. Intermediate Aggregate, 10% Bloomberg 1-5 Year Gov/Credit, 20% MSCI AC World Minimum Volatility Index (Net), and 15% 90 Day U.S. T-Bills.

### **CASH FLOW SUMMARY BY MANAGER**

1 Quarter Ending June 30, 2024								
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Gain/ Loss	Ending Market Value		
Lord Abbett Short Duration	\$124,422,127	-	-	-	\$1,251,350	\$125,673,477		
Loop Capital Asset Management	\$122,756,035	-	-	-	\$1,200,010	\$123,956,045		
Galliard Intermediate Government	\$231,337,756	-	-	-	\$1,772,668	\$233,110,424		
Merganser Intermediate Bond	\$224,650,371	-	-	-	\$2,107,598	\$226,757,969		
Fort Washington Intermediate Bond	\$192,719,656	-	-	-	\$1,682,908	\$194,402,564		
Lord Abbett Intermediate Bond	\$221,694,178	-	-	-	\$1,709,009	\$223,403,188		
PFM - Self Insurance Fund	\$46,271,878	-	-	-	\$413,856	\$46,685,734		
PFM - Disability Fund	\$20,484,758	-	-	-	\$183,969	\$20,668,727		
PFM - Workmen's Compensation Fund	\$11,224,342	-	-	-	\$113,988	\$11,338,330		
PFM - Health & Dental Fund	\$5,509,516	-	-	-	\$56,864	\$5,566,379		
Galliard Opportunistic	\$147,365,545	-	-	-	\$1,036,546	\$148,402,091		
Merganser Opportunistic	\$147,542,594	-	-	-	\$1,249,456	\$148,792,050		
Fort Washington Active Fixed Income	\$182,786,522	-	-	-	\$1,463,293	\$184,249,815		
Vanguard Global Minimum Volatility Equity	\$263,652,750	-	-	-	\$426,417	\$264,079,167		
Parametric Global Defensive Equity	\$294,190,732	-	-	-	\$7,775,141	\$301,965,873		
PNC Treasury Management	\$364,546,889	-	-	-	\$4,726,921	\$369,273,810		
U.S. Bank Cash	\$4,082	-	-	-	\$53	\$4,136		
Total	\$2,601,159,732	-	-	-	\$27,170,047	\$2,628,329,779		

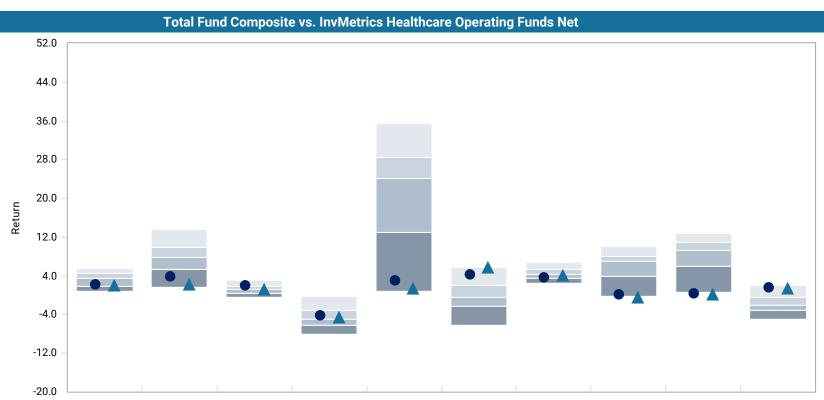


### **RETURN SUMMARY VS. PEER UNIVERSE**





### **RETURN SUMMARY VS. PEER UNIVERSE**



	FYTD	Fiscal 2023	Fiscal 2022	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015
<ul><li>Total Fund Composite</li></ul>	2.2 (72)	3.9 (85)	2.0 (21)	-4.1 (39)	3.0 (88)	4.3 (11)	3.8 (69)	0.1 (91)	0.4 (98)	1.6 (9)
▲ Policy Index	2.1 (73)	2.3 (93)	1.2 (48)	-4.5 (47)	1.5 (91)	5.7 (5)	4.1 (57)	-0.5 (98)	0.2 (100)	1.4 (9)
5th Percentile	5.6	13.7	3.0	-0.1	35.5	5.7	6.9	10.1	12.8	2.0
1st Quartile	4.5	10.0	1.9	-3.1	28.4	2.0	5.3	8.1	11.0	-0.3
Median	3.5	7.9	1.2	-4.9	24.1	-0.4	4.4	7.1	9.3	-2.0
3rd Quartile	1.8	5.4	0.5	-6.3	13.0	-2.3	3.6	4.0	6.0	-3.1
95th Percentile	0.9	1.7	-0.5	-8.0	0.8	-6.2	2.5	-0.2	0.6	-4.9
Population	101	151	163	150	151	146	136	131	127	115



## **RISK STATISTICS - 3 YEAR**

3 Years Ending June 30, 2024								
	Return	Standard Deviation	Alpha	Sharpe Ratio	Sortino Ratio	Tracking Error	Up Capture	Down Capture
Fixed Income Composite	-0.7	4.4	-0.9	-0.9	-1.0	1.8	72.2	84.9
Short Term Composite	0.0	3.1	0.2	-1.0	-1.1	0.3	96.3	91.7
Blmbg. 1-5 Year Gov/Credit	-0.2	3.3	0.0	-1.0	-1.1	0.0	100.0	100.0
Lord Abbett Short Duration	0.1	3.1	0.3	-1.0	-1.1	0.4	95.1	88.8
Blmbg. 1-5 Year Gov/Credit	-0.2	3.3	0.0	-1.0	-1.1	0.0	100.0	100.0
Loop Capital Asset Management	0.0	3.2	0.1	-1.0	-1.1	0.5	97.7	94.6
Blmbg. 1-5 Year Gov/Credit	-0.2	3.3	0.0	-1.0	-1.1	0.0	100.0	100.0
Intermediate Term Composite	-0.7	4.4	0.3	-0.9	-1.0	0.5	94.4	89.4
Blmbg. Intermed. U.S. Government/Credit	-1.2	4.8	0.0	-0.9	-1.0	0.0	100.0	100.0
Galliard Intermediate Government	-0.6	4.8	0.5	-0.8	-0.9	0.6	104.1	96.1
Blmbg. Intermed. U.S. Government/Credit	-1.2	4.8	0.0	-0.9	-1.0	0.0	100.0	100.0
Merganser Intermediate Bond	-0.7	4.3	0.3	-0.9	-1.0	0.6	92.4	87.4
Blmbg. Intermed. U.S. Government/Credit	-1.2	4.8	0.0	-0.9	-1.0	0.0	100.0	100.0
Fort Washington Intermediate Bond	-1.0	4.6	0.1	-0.9	-1.0	0.6	95.3	93.8
Blmbg. Intermed. U.S. Government/Credit	-1.2	4.8	0.0	-0.9	-1.0	0.0	100.0	100.0
Lord Abbett Intermediate Bond	-1.0	4.7	0.1	-0.9	-1.0	0.5	96.7	95.2
Blmbg. Intermed. U.S. Government/Credit	-1.2	4.8	0.0	-0.9	-1.0	0.0	100.0	100.0
PFM - Self Insurance Fund	0.0	3.1	0.3	-1.0	-1.1	0.5	103.2	95.3
ICE BofA 1-5 Yr Treasury & Agency	-0.3	3.0	0.0	-1.1	-1.2	0.0	100.0	100.0
PFM - Disability Fund	0.0	3.1	0.4	-1.0	-1.1	0.4	104.5	95.3
ICE BofA 1-5 Yr Treasury & Agency	-0.3	3.0	0.0	-1.1	-1.2	0.0	100.0	100.0
PFM - Workmen's Compensation Fund	1.0	2.0	0.4	-1.1	-1.1	0.3	105.1	90.8
ICE BofA U.S. Agencies, 1-3yr	0.6	2.1	0.0	-1.3	-1.2	0.0	100.0	100.0



## **RISK STATISTICS - 3 YEAR**

	Return	Standard Deviation	Alpha	Sharpe Ratio	Sortino Ratio	Tracking Error	Up Capture	Down Capture
PFM - Health & Dental Fund	1.0	2.0	0.4	-1.1	-1.1	0.3	103.9	90.7
ICE BofA U.S. Agencies, 1-3yr	0.6	2.1	0.0	-1.3	-1.2	0.0	100.0	100.0
Opportunistic Composite	-1.1	5.2	0.5	-0.8	-0.9	8.0	93.2	86.8
Blmbg. U.S. Intermediate Aggregate	-1.8	5.8	0.0	-0.8	-1.0	0.0	100.0	100.0
Galliard Opportunistic	-1.3	5.7	0.5	-0.7	-0.9	0.5	102.9	96.5
Blmbg. U.S. Intermediate Aggregate	-1.8	5.8	0.0	-0.8	-1.0	0.0	100.0	100.0
Merganser Opportunistic	-1.0	4.9	0.5	-0.8	-1.0	1.0	88.7	81.9
Blmbg. U.S. Intermediate Aggregate	-1.8	5.8	0.0	-0.8	-1.0	0.0	100.0	100.0
Fort Washington Active Fixed Income	-1.1	5.0	0.4	-0.8	-1.0	1.0	88.0	82.9
Blmbg. U.S. Intermediate Aggregate	-1.8	5.8	0.0	-0.8	-1.0	0.0	100.0	100.0
Global Equity Composite	5.8	9.2	3.7	0.3	0.5	3.7	89.5	69.2
MSCI AC World Minimum Volatility Index (Net)	2.6	11.4	0.0	0.0	0.0	0.0	100.0	100.0
Vanguard Global Minimum Volatility Equity	5.4	10.4	3.1	0.3	0.4	3.8	95.7	78.4
MSCI AC World Minimum Volatility Index (Net)	2.6	11.4	0.0	0.0	0.0	0.0	100.0	100.0
Parametric Global Defensive Equity	6.2	8.6	1.6	0.4	0.6	1.5	107.4	95.6
50% MSCI ACWI / 50% 90 Day T-Bill	4.6	8.5	0.0	0.2	0.3	0.0	100.0	100.0
Cash Composite	3.0	0.7	-0.1	-0.2	-0.1	0.1	99.4	548.8
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0
PNC Treasury Management	3.0	0.7	-0.1	-0.2	-0.1	0.1	99.5	548.8
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0
U.S. Bank Cash	60.9	81.5	411.7	0.8	137.9	81.7	2,264.6	0.0
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0



# MHS Operating Plan FEE SCHEDULE

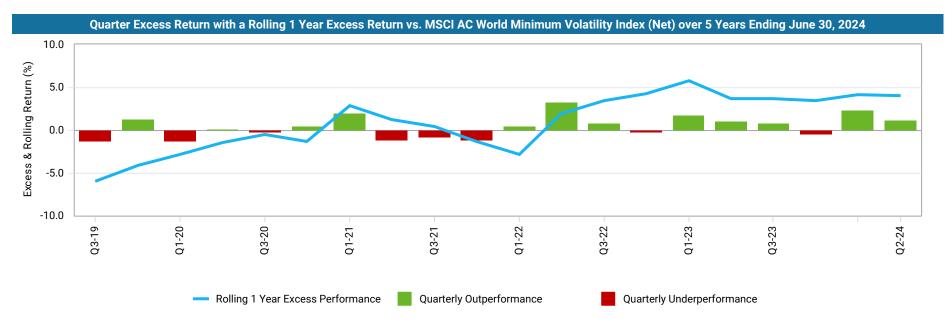
Account Name	Fee Schedule	Market Value (\$)	% of Portfolio	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Fund Composite		2,628,329,779	100.0	4,396,744	0.2
Lord Abbett Short Duration	0.13 % of First \$50 M 0.10 % of Next \$150 M 0.08 % Thereafter	125,673,477	4.8	140,673	0.1
Loop Capital Asset Management	0.20 % of First \$25 M 0.15 % of Next \$25 M 0.10 % Thereafter	123,956,045	4.7	161,456	0.1
Galliard Intermediate Government	0.20 % of First \$50 M 0.15 % of Next \$150 M 0.13 % of Next \$300 M 0.10 % Thereafter	233,110,424	8.9	368,044	0.2
Merganser Intermediate Bond	0.20 % of First \$50 M 0.15 % of Next \$100 M 0.10 % Thereafter	226,757,969	8.6	326,758	0.1
Fort Washington Intermediate Bond	0.15 % of First \$100 M 0.10 % Thereafter	194,402,564	7.4	244,403	0.1
Lord Abbett Intermediate Bond	0.13 % of First \$50 M 0.10 % of Next \$150 M 0.08 % Thereafter	223,403,188	8.5	233,723	0.1
PFM - Self Insurance Fund	0.08 % of First \$100 M 0.07 % Thereafter	46,685,734	1.8	37,349	0.1
PFM - Disability Fund	0.08 % of First \$100 M 0.07 % Thereafter	20,668,727	0.8	16,535	0.1
PFM - Workmen's Compensation Fund	0.08 % of First \$100 M 0.07 % Thereafter	11,338,330	0.4	9,071	0.1
PFM - Health & Dental Fund	0.08 % of First \$100 M 0.07 % Thereafter	5,566,379	0.2	4,453	0.1
Galliard Opportunistic	0.20 % of First \$50 M 0.15 % of Next \$150 M 0.13 % of Next \$300 M 0.10 % Thereafter	148,402,091	5.6	247,603	0.2
Merganser Opportunistic	0.20 % of First \$50 M 0.15 % of Next \$100 M 0.10 % Thereafter	148,792,050	5.7	248,188	0.2



Account Name	Fee Schedule	Market Value (\$)	% of Portfolio	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Fort Washington Active Fixed Income	0.15 % of First \$100 M 0.10 % Thereafter	184,249,815	7.0	234,250	0.1
Vanguard Global Minimum Volatility Equity	0.15 % of Assets	264,079,167	10.0	396,119	0.2
Parametric Global Defensive Equity	0.45 % of Assets	301,965,873	11.5	1,358,846	0.5
PNC Treasury Management	0.10 % of Assets	369,273,810	14.0	369,274	0.1
U.S. Bank Cash		4,136	0.0		



### **GLOBAL EQUITY COMPOSITE**







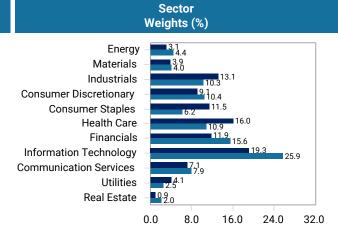
## **VANGUARD GLOBAL MINIMUM VOLATILITY EQUITY**

### Vanguard Global Minimum Volatility Equity vs. MSCI AC World Index **Characteristics** Portfolio Benchmark Price/Earnings ratio 20.2 22.4 Price/Book ratio 3.6 3.9 Current Yield (%) 2.2 1.9 Wtd. Avg. Mkt. Cap \$B 106 659 Median Mkt. Cap \$B 13 12 Number of Stocks 271 2,760

11.2

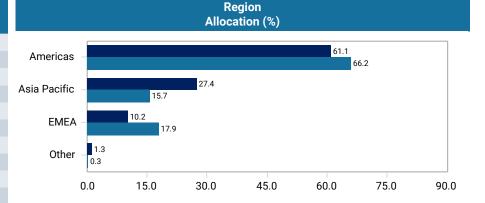
5 Yr. EPS Growth Rate (%)





Top Holdings						
	Weight (%)					
Taiwan Semiconductor	2.2					
Icici Bank Ltd	1.8					
Republic Services Inc.	1.8					
Waste Management Inc.	1.7					
AptarGroup Inc.	1.7					
Colgate-Palmolive Co	1.7					
Merck & Co Inc	1.7					
Cencora Inc	1.7					
Church & Dwight Co Inc	1.6					
Roper Technologies Inc	1.6					

15.5

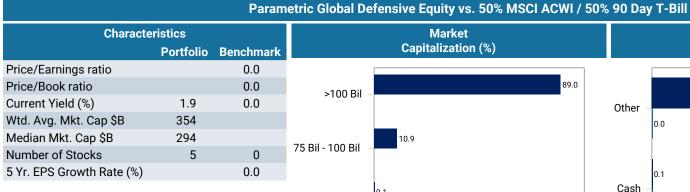


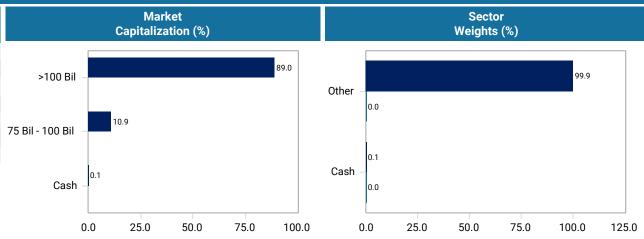
Top Contributors		
Weight	Return	Contribution
1.7	28.2	0.5
1.2	16.6	0.2
0.9	20.8	0.2
1.6	9.1	0.1
0.5	25.5	0.1
	Weight 1.7 1.2 0.9 1.6	1.7 28.2 1.2 16.6 0.9 20.8 1.6 9.1

	Top Detractor	s	
	Weight	Return	Contribution
Chemed Corp	1.6	-15.4	-0.2
NewMarket Corp	1.1	-18.4	-0.2
Amdocs Ltd	1.5	-12.1	-0.2
Globe Life Inc	0.6	-29.1	-0.2
East Japan Railway Co	1.0	-14.1	-0.1

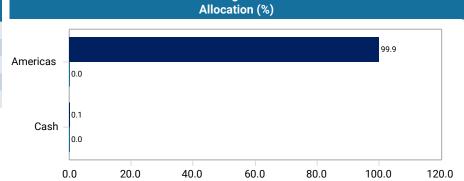


## PARAMETRIC GLOBAL DEFENSIVE EQUITY





Top Holdings						
	Weight (%)					
iShares Core S&P 500 ETF	46.6					
iShares Core MSCI EAFE ETF	23.2					
Vanguard S&P 500 ETF	19.2					
iShares Core MSCI EM ETF	10.9					
% of Portfolio	99.9					



Region

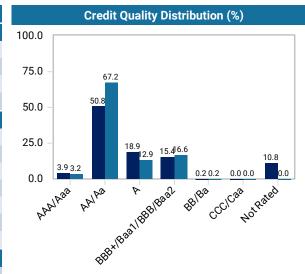
	Top Contribut	ors	
	Weight	Return	Contribution
Vanguard S&P 500 ETF	85.5	4.4	3.8

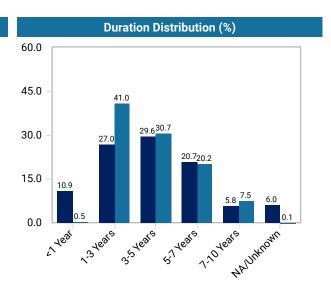
Top Detractors			
	Weight	Return	Contribution
Vanguard S&P 500 ETF	85.5	4.4	3.8

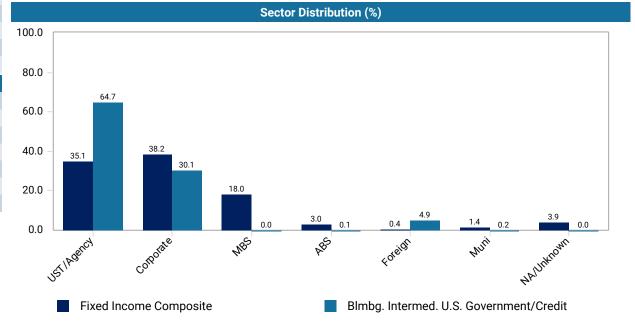


### **FIXED INCOME COMPOSITE**

Portfolio Characteristics		Fund	Index
Avg. Quality	Portfolio Characteristics		
Effective Duration 3.7 3.8 Yield To Maturity (%) 5.0 4.8  Quality Breakdown  AAA/Aaa 3.9 3.2 AA/Aa 50.8 67.2 A 18.9 12.9 BBB+/Baa1/BBB/Baa2 15.4 16.6 BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown  <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown  UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	Avg. Maturity	4.4	4.3
Yield To Maturity (%)       5.0       4.8         Quality Breakdown       AAA/Aaa       3.9       3.2         AAA/Aa       50.8       67.2         A       18.9       12.9         BBB+/Baa1/BBB/Baa2       15.4       16.6         BB/Ba       0.2       0.2         CCC/Caa       0.0       0.0         Not Rated       10.8       0.0         Duration Breakdown       27.0       41.0         3-5 Years       27.0       41.0         3-5 Years       29.6       30.7         5-7 Years       20.7       20.2         7-10 Years       5.8       7.5         NA/Unknown       6.0       0.1         Sectors Allocation Breakdown       UST/Agency       35.1       64.7         Corporate       38.2       30.1         MBS       18.0         ABS       3.0       0.1         Foreign       0.4       4.9         Muni       1.4       0.2	Avg. Quality	AA	AA
Quality Breakdown         AAA/Aaa       3.9       3.2         AAA/Aa       50.8       67.2         A       18.9       12.9         BBB+/Baa1/BBB/Baa2       15.4       16.6         BB/Ba       0.2       0.2         CCC/Caa       0.0       Not Rated         Not Rated       10.8         Duration Breakdown         <1 Year	Effective Duration	3.7	3.8
AAA/Aaa 3.9 3.2 AA/Aa 50.8 67.2 A 18.9 12.9 BBB+/Baa1/BBB/Baa2 15.4 16.6 BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	Yield To Maturity (%)	5.0	4.8
AA/Aa 50.8 67.2 A 18.9 12.9 BBB+/Baa1/BBB/Baa2 15.4 16.6 BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	Quality Breakdown		
A 18.9 12.9 BBB+/Baa1/BBB/Baa2 15.4 16.6 BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	AAA/Aaa	3.9	3.2
BBB+/Baa1/BBB/Baa2 15.4 16.6 BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	AA/Aa	50.8	67.2
BB/Ba 0.2 0.2 CCC/Caa 0.0 Not Rated 10.8  Duration Breakdown <1 Year 10.9 0.5 1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	A	18.9	12.9
CCC/Caa       0.0         Not Rated       10.8         Duration Breakdown         <1 Year	BBB+/Baa1/BBB/Baa2	15.4	16.6
Not Rated         Duration Breakdown         <1 Year	BB/Ba	0.2	0.2
Duration Breakdown       <1 Year	CCC/Caa	0.0	
<1 Year	Not Rated	10.8	
1-3 Years 27.0 41.0 3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	Duration Breakdown		
3-5 Years 29.6 30.7 5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	<1 Year	10.9	0.5
5-7 Years 20.7 20.2 7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown UST/Agency 35.1 64.7 Corporate 38.2 30.1 MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	1-3 Years	27.0	41.0
7-10 Years 5.8 7.5 NA/Unknown 6.0 0.1  Sectors Allocation Breakdown  UST/Agency 35.1 64.7 Corporate 38.2 30.1  MBS 18.0  ABS 3.0 0.1  Foreign 0.4 4.9  Muni 1.4 0.2	3-5 Years	29.6	30.7
NA/Unknown         6.0         0.1           Sectors Allocation Breakdown         UST/Agency         35.1         64.7           Corporate         38.2         30.1           MBS         18.0           ABS         3.0         0.1           Foreign         0.4         4.9           Muni         1.4         0.2	5-7 Years	20.7	20.2
Sectors Allocation Breakdown           UST/Agency         35.1         64.7           Corporate         38.2         30.1           MBS         18.0           ABS         3.0         0.1           Foreign         0.4         4.9           Muni         1.4         0.2	7-10 Years	5.8	7.5
UST/Agency       35.1       64.7         Corporate       38.2       30.1         MBS       18.0         ABS       3.0       0.1         Foreign       0.4       4.9         Muni       1.4       0.2	NA/Unknown	6.0	0.1
Corporate     38.2     30.1       MBS     18.0       ABS     3.0     0.1       Foreign     0.4     4.9       Muni     1.4     0.2	Sectors Allocation Breakdown		
MBS 18.0 ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	UST/Agency	35.1	64.7
ABS 3.0 0.1 Foreign 0.4 4.9 Muni 1.4 0.2	Corporate	38.2	30.1
Foreign 0.4 4.9 Muni 1.4 0.2	MBS	18.0	
Muni 1.4 0.2	ABS	3.0	0.1
	Foreign	0.4	4.9
NA/Unknown 3.9	Muni	1.4	0.2
	NA/Unknown	3.9	



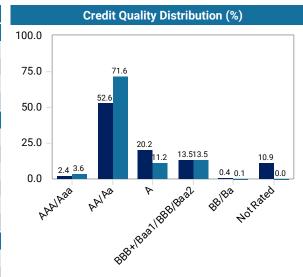


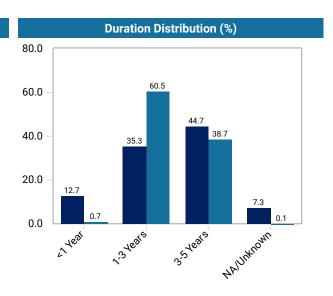


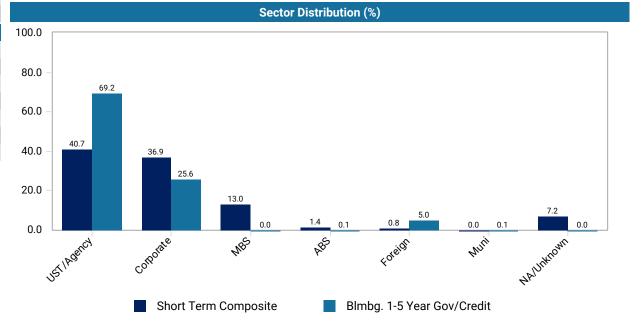


### **SHORT TERM COMPOSITE**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.9	2.9
Avg. Quality	Α	AA
Effective Duration	2.5	2.7
Yield To Maturity (%)	5.1	4.8
Quality Breakdown		
AAA/Aaa	2.4	3.6
AA/Aa	52.6	71.6
A	20.2	11.2
BBB+/Baa1/BBB/Baa2	13.5	13.5
BB/Ba	0.4	0.1
Not Rated	10.9	
Duration Breakdown		
<1 Year	12.7	0.7
1-3 Years	35.3	60.5
3-5 Years	44.7	38.7
NA/Unknown	7.3	0.1
Sectors Allocation Breakdown		
UST/Agency	40.7	69.2
Corporate	36.9	25.6
MBS	13.0	
ABS	1.4	0.1
Foreign	8.0	5.0
Muni		0.1
NA/Unknown	7.2	



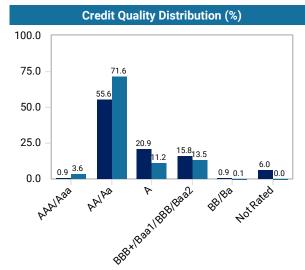


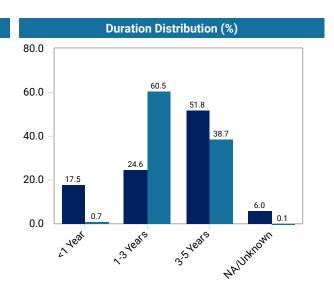


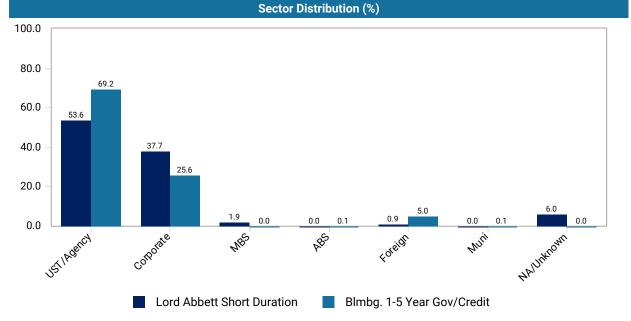


### LORD ABBETT SHORT DURATION

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.9	2.9
Avg. Quality	Α	AA
Effective Duration	2.6	2.7
Yield To Maturity (%)	4.9	4.8
Quality Breakdown		
AAA/Aaa	0.9	3.6
AA/Aa	55.6	71.6
Α	20.9	11.2
BBB+/Baa1/BBB/Baa2	15.8	13.5
BB/Ba	0.9	0.1
Not Rated	6.0	
Duration Breakdown		
<1 Year	17.5	0.7
1-3 Years	24.6	60.5
3-5 Years	51.8	38.7
NA/Unknown	6.0	0.1
Sectors Allocation Breakdown		
UST/Agency	53.6	69.2
Corporate	37.7	25.6
MBS	1.9	
ABS		0.1
Foreign	0.9	5.0
Muni		0.1
NA/Unknown	6.0	



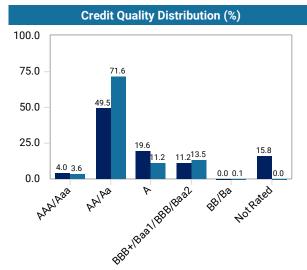


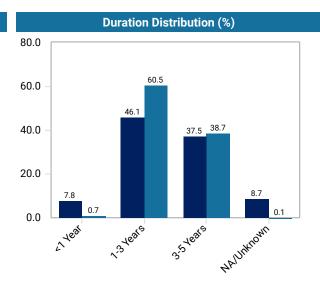


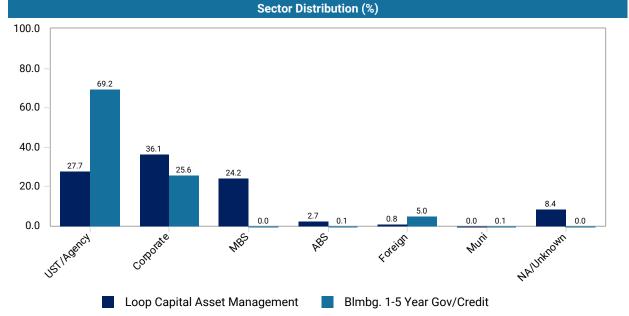


### LOOP CAPITAL ASSET MANAGEMENT

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.9	2.9
Avg. Quality	AA	AA
Effective Duration	2.4	2.7
Yield To Maturity (%)	5.2	4.8
Quality Breakdown		
AAA/Aaa	4.0	3.6
AA/Aa	49.5	71.6
A	19.6	11.2
BBB+/Baa1/BBB/Baa2	11.2	13.5
BB/Ba		0.1
Not Rated	15.8	
Duration Breakdown		
<1 Year	7.8	0.7
1-3 Years	46.1	60.5
3-5 Years	37.5	38.7
NA/Unknown	8.7	0.1
Sectors Allocation Breakdown		
UST/Agency	27.7	69.2
Corporate	36.1	25.6
MBS	24.2	
ABS	2.7	0.1
Foreign	0.8	5.0
		0.1
Muni		0.1



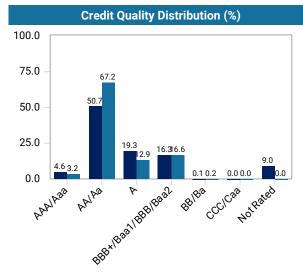


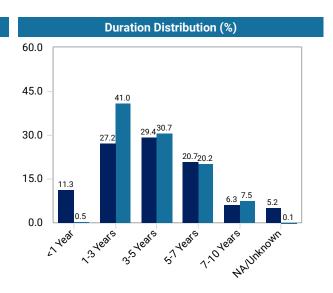


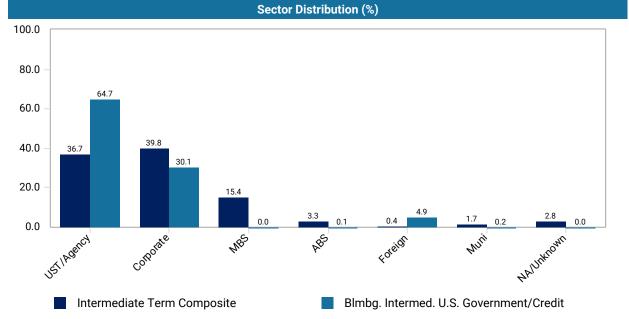


### **INTERMEDIATE TERM COMPOSITE**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	4.4	4.3
Avg. Quality	AA	AA
Effective Duration	3.7	3.8
Yield To Maturity (%)	5.0	4.8
Quality Breakdown		
AAA/Aaa	4.6	3.2
AA/Aa	50.7	67.2
Α	19.3	12.9
BBB+/Baa1/BBB/Baa2	16.3	16.6
BB/Ba	0.1	0.2
CCC/Caa	0.0	
Not Rated	9.0	
Duration Breakdown		
<1 Year	11.3	0.5
1-3 Years	27.2	41.0
3-5 Years	29.4	30.7
5-7 Years	20.7	20.2
7-10 Years	6.3	7.5
NA/Unknown	5.2	0.1
Sectors Allocation Breakdown		
UST/Agency	36.7	64.7
Corporate	39.8	30.1
MBS	15.4	
ABS	3.3	0.1
Foreign	0.4	4.9
Muni	1.7	0.2
NA/Unknown	2.8	



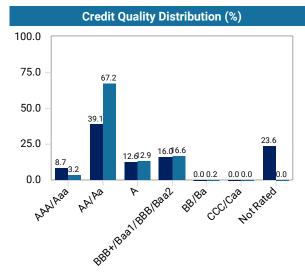


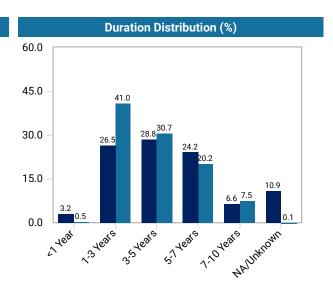


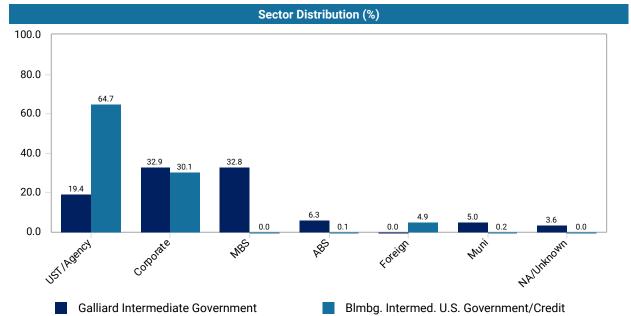


### **GALLIARD INTERMEDIATE GOVERNMENT**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	5.1	4.3
Avg. Quality	AA	AA
Effective Duration	4.1	3.8
Yield To Maturity (%)	5.2	4.8
Quality Breakdown		
AAA/Aaa	8.7	3.2
AA/Aa	39.1	67.2
Α	12.6	12.9
BBB+/Baa1/BBB/Baa2	16.0	16.6
BB/Ba		0.2
CCC/Caa	0.0	
Not Rated	23.6	
Duration Breakdown		
<1 Year	3.2	0.5
1-3 Years	26.5	41.0
3-5 Years	28.8	30.7
5-7 Years	24.2	20.2
7-10 Years	6.6	7.5
NA/Unknown	10.9	0.1
Sectors Allocation Breakdown		
UST/Agency	19.4	64.7
Corporate	32.9	30.1
MBS	32.8	
ABS	6.3	0.1
Foreign		4.9
Muni	5.0	0.2
NA/Unknown	3.6	



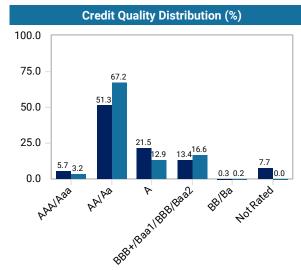


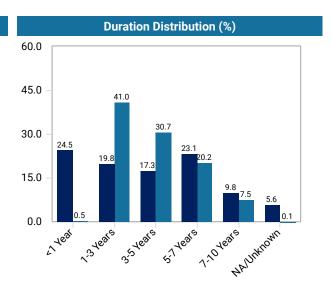


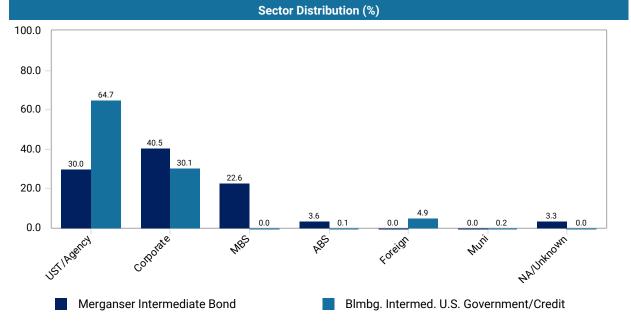


### **MERGANSER INTERMEDIATE BOND**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	4.3	4.3
Avg. Quality	AA	AA
Effective Duration	3.6	3.8
Yield To Maturity (%)	5.1	4.8
Quality Breakdown		
AAA/Aaa	5.7	3.2
AA/Aa	51.3	67.2
Α	21.5	12.9
BBB+/Baa1/BBB/Baa2	13.4	16.6
BB/Ba	0.3	0.2
Not Rated	7.7	
Duration Breakdown		
<1 Year	24.5	0.5
1-3 Years	19.8	41.0
3-5 Years	17.3	30.7
5-7 Years	23.1	20.2
7-10 Years	9.8	7.5
NA/Unknown	5.6	0.1
Sectors Allocation Breakdown		
UST/Agency	30.0	64.7
Corporate	40.5	30.1
MBS	22.6	
ABS	3.6	0.1
Foreign		4.9
Muni		0.2
NA/Unknown	3.3	



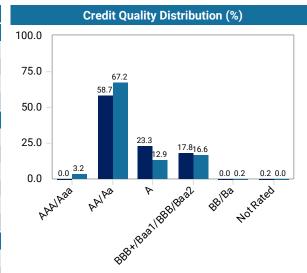


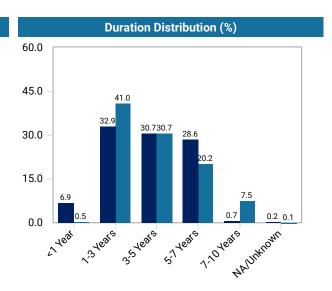


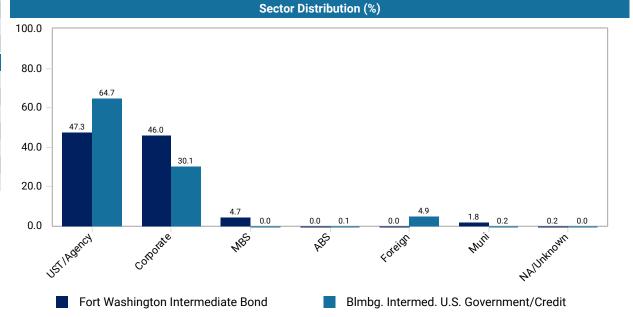


### FORT WASHINGTON INTERMEDIATE BOND

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	4.3	4.3
Avg. Quality	Α	AA
Effective Duration	3.7	3.8
Yield To Maturity (%)	4.9	4.8
Quality Breakdown		
AAA/Aaa		3.2
AA/Aa	58.7	67.2
A	23.3	12.9
BBB+/Baa1/BBB/Baa2	17.8	16.6
BB/Ba		0.2
Not Rated	0.2	
Duration Breakdown		
<1 Year	6.9	0.5
1-3 Years	32.9	41.0
3-5 Years	30.7	30.7
5-7 Years	28.6	20.2
7-10 Years	0.7	7.5
NA/Unknown	0.2	0.1
Sectors Allocation Breakdowr	1	
UST/Agency	47.3	64.7
Corporate	46.0	30.1
MBS	4.7	
ABS		0.1
Foreign		4.9
Muni	1.8	0.2
NA/Unknown	0.2	



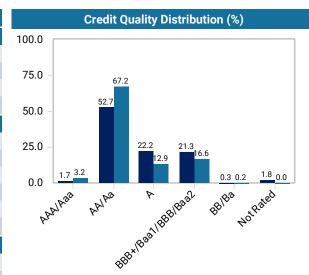


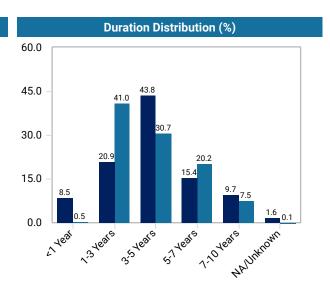


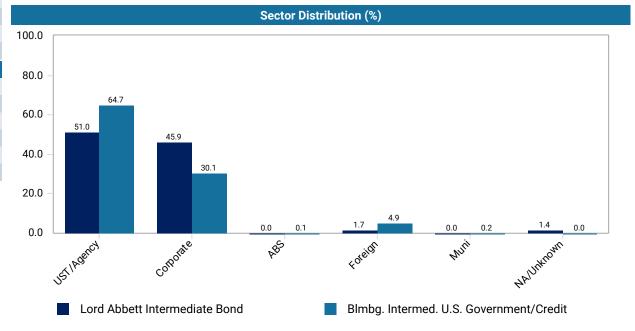


### **LORD ABBETT INTERMEDIATE BOND**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	4.4	4.3
Avg. Quality	Α	AA
Effective Duration	3.7	3.8
Yield To Maturity (%)	4.9	4.8
Quality Breakdown		
AAA/Aaa	1.7	3.2
AA/Aa	52.7	67.2
Α	22.2	12.9
BBB+/Baa1/BBB/Baa2	21.3	16.6
BB/Ba	0.3	0.2
Not Rated	1.8	
Duration Breakdown		
<1 Year	8.5	0.5
1-3 Years	20.9	41.0
3-5 Years	43.8	30.7
5-7 Years	15.4	20.2
7-10 Years	9.7	7.5
NA/Unknown	1.6	0.1
Sectors Allocation Breakdown		
UST/Agency	51.0	64.7
Corporate	45.9	30.1
ABS		0.1
Foreign	1.7	4.9
Muni		0.2
NA/Unknown	1.4	



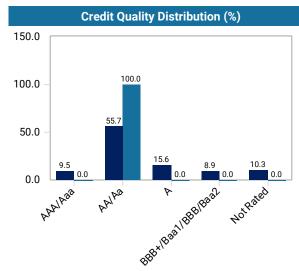


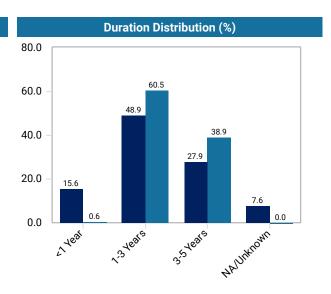


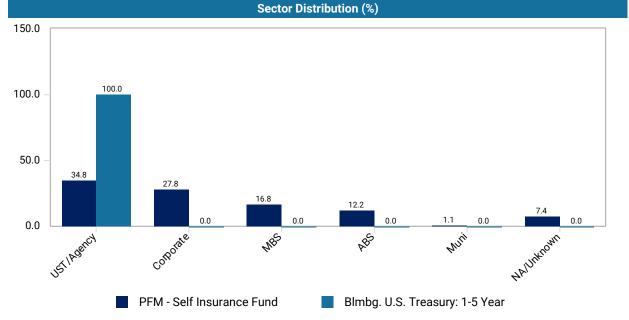


#### **PFM - SELF INSURANCE FUND**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.8	2.9
Avg. Quality	AA	AA
Effective Duration	2.5	2.7
Yield To Maturity (%)	4.9	4.6
Quality Breakdown		
AAA/Aaa	9.5	
AA/Aa	55.7	100.0
Α	15.6	
BBB+/Baa1/BBB/Baa2	8.9	
Not Rated	10.3	
Duration Breakdown		
<1 Year	15.6	0.6
1-3 Years	48.9	60.5
3-5 Years	27.9	38.9
NA/Unknown	7.6	
<b>Sectors Allocation Breakdown</b>	1	
UST/Agency	34.8	100.0
Corporate	27.8	
MBS	16.8	
ABS	12.2	
Muni	1.1	
NA/Unknown	7.4	



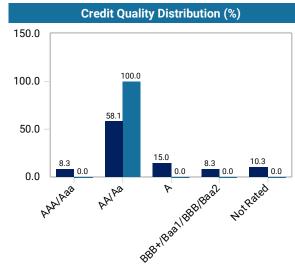


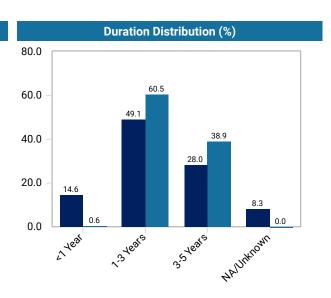


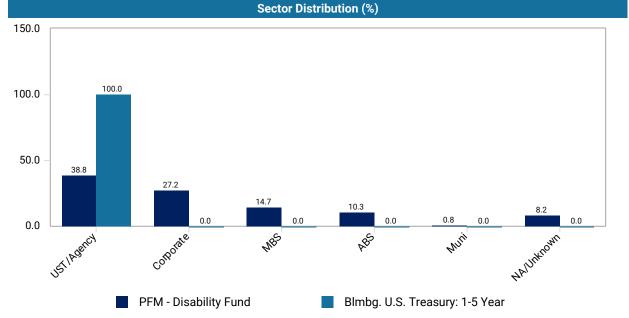


## **PFM - DISABILITY FUND**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.8	2.9
Avg. Quality	AA	AA
Effective Duration	2.5	2.7
Yield To Maturity (%)	4.9	4.6
Quality Breakdown		
AAA/Aaa	8.3	
AA/Aa	58.1	100.0
Α	15.0	
BBB+/Baa1/BBB/Baa2	8.3	
Not Rated	10.3	
Duration Breakdown		
<1 Year	14.6	0.6
1-3 Years	49.1	60.5
3-5 Years	28.0	38.9
NA/Unknown	8.3	
Sectors Allocation Breakdown		
UST/Agency	38.8	100.0
Corporate	27.2	
MBS	14.7	
ABS	10.3	
Muni	0.8	
NA/Unknown	8.2	



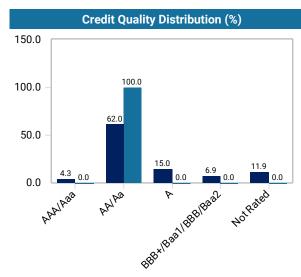


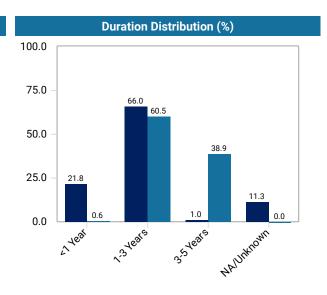


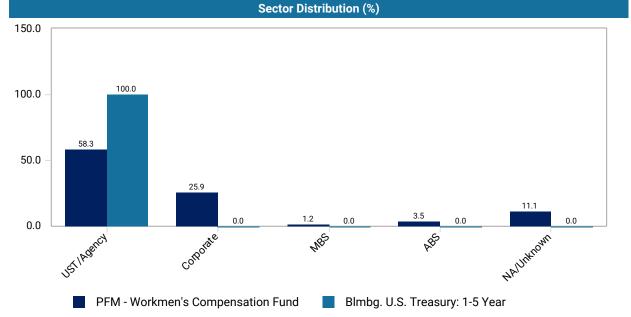


## PFM - WORKMEN'S COMPENSATION FUND

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	1.6	2.9
Avg. Quality	AA	AA
Effective Duration	1.5	2.7
Yield To Maturity (%)	5.0	4.6
Quality Breakdown		
AAA/Aaa	4.3	
AA/Aa	62.0	100.0
A	15.0	
BBB+/Baa1/BBB/Baa2	6.9	
Not Rated	11.9	
Duration Breakdown		
<1 Year	21.8	0.6
1-3 Years	66.0	60.5
3-5 Years	1.0	38.9
NA/Unknown	11.3	
Sectors Allocation Breakdown		
UST/Agency	58.3	100.0
	00.0	
Corporate	25.9	
Corporate MBS		
•	25.9	



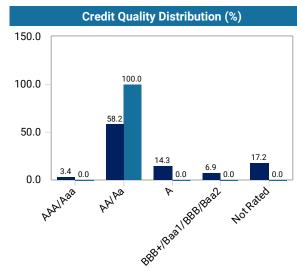


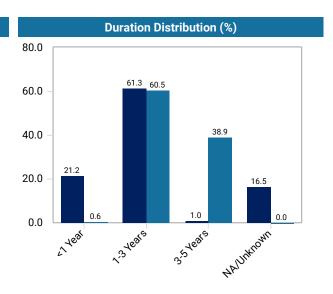


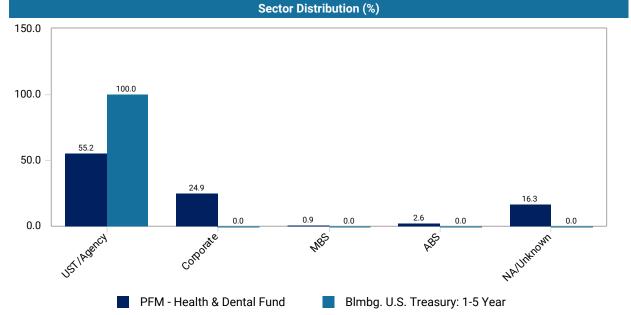


#### **PFM - HEALTH & DENTAL FUND**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	1.7	2.9
Avg. Quality	AA	AA
Effective Duration	1.5	2.7
Yield To Maturity (%)	5.0	4.6
Quality Breakdown		
AAA/Aaa	3.4	
AA/Aa	58.2	100.0
Α	14.3	
BBB+/Baa1/BBB/Baa2	6.9	
Not Rated	17.2	
Duration Breakdown		
<1 Year	21.2	0.6
1-3 Years	61.3	60.5
3-5 Years	1.0	38.9
NA/Unknown	16.5	
Sectors Allocation Breakdown		
UST/Agency	55.2	100.0
Corporate	24.9	
MBS	0.9	
ABS	2.6	
NA/Unknown	16.3	



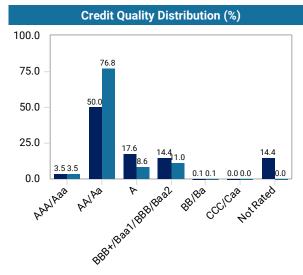


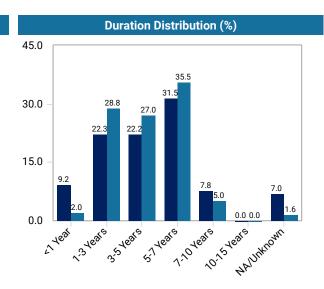


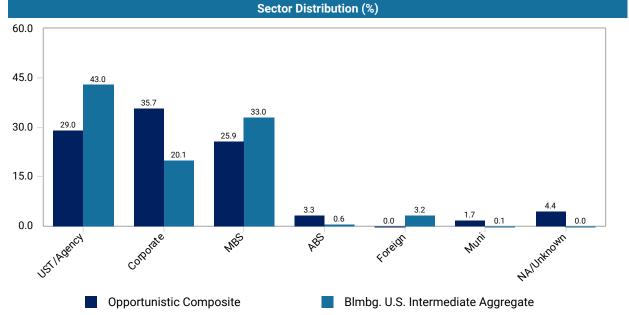


## **OPPORTUNISTIC COMPOSITE**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	5.2	5.3
Avg. Quality	AA	AA
Effective Duration	4.3	4.2
Yield To Maturity (%)	5.0	4.9
Quality Breakdown		
AAA/Aaa	3.5	3.5
AA/Aa	50.0	76.8
Α	17.6	8.6
BBB+/Baa1/BBB/Baa2	14.4	11.0
BB/Ba	0.1	0.1
CCC/Caa	0.0	
Not Rated	14.4	
Duration Breakdown		
<1 Year	9.2	2.0
1-3 Years	22.3	28.8
3-5 Years	22.2	27.0
5-7 Years	31.5	35.5
7-10 Years	7.8	5.0
10-15 Years		0.0
NA/Unknown	7.0	1.6
Sectors Allocation Breakdown		
UST/Agency	29.0	43.0
Corporate	35.7	20.1
MBS	25.9	33.0
ABS	3.3	0.6
Foreign		3.2
Muni	1.7	0.1
NA/Unknown	4.4	



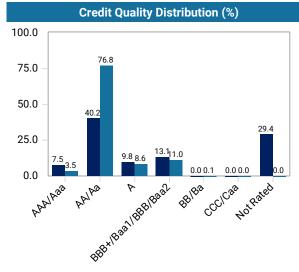


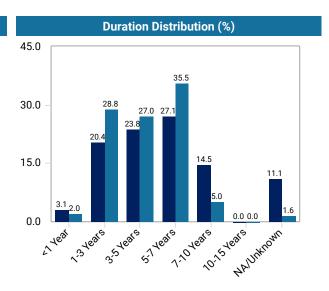


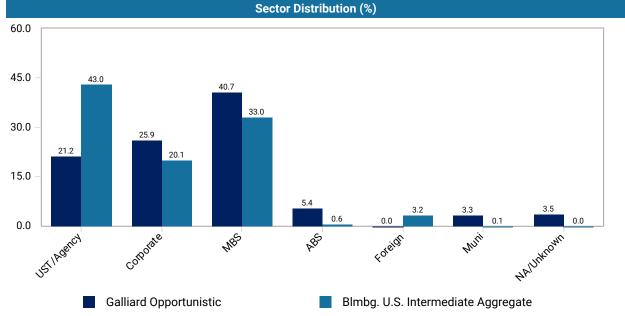


## **GALLIARD OPPORTUNISTIC**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	6.1	5.3
Avg. Quality	AA	AA
Effective Duration	4.8	4.2
Yield To Maturity (%)	5.1	4.9
Quality Breakdown		
AAA/Aaa	7.5	3.5
AA/Aa	40.2	76.8
Α	9.8	8.6
BBB+/Baa1/BBB/Baa2	13.1	11.0
BB/Ba		0.1
CCC/Caa	0.0	
Not Rated	29.4	
Duration Breakdown		
<1 Year	3.1	2.0
1-3 Years	20.4	28.8
3-5 Years	23.8	27.0
5-7 Years	27.1	35.5
7-10 Years	14.5	5.0
10-15 Years		0.0
NA/Unknown	11.1	1.6
Sectors Allocation Breakdown		
UST/Agency	21.2	43.0
Corporate	25.9	20.1
MBS	40.7	33.0
ABS	5.4	0.6
Foreign		3.2
Muni	3.3	0.1
NA/Unknown	3.5	



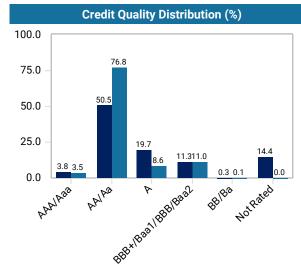


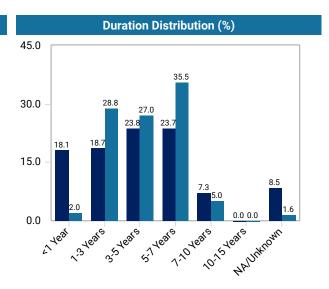


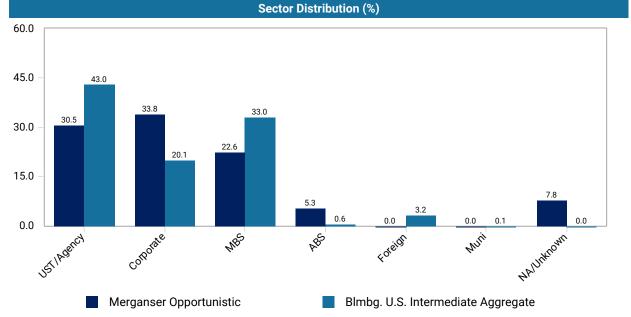


## **MERGANSER OPPORTUNISTIC**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	4.6	5.3
Avg. Quality	AA	AA
Effective Duration	3.9	4.2
Yield To Maturity (%)	4.9	4.9
Quality Breakdown		
AAA/Aaa	3.8	3.5
AA/Aa	50.5	76.8
Α	19.7	8.6
BBB+/Baa1/BBB/Baa2	11.3	11.0
BB/Ba	0.3	0.1
Not Rated	14.4	
Duration Breakdown		
<1 Year	18.1	2.0
1-3 Years	18.7	28.8
3-5 Years	23.8	27.0
5-7 Years	23.7	35.5
7-10 Years	7.3	5.0
10-15 Years		0.0
NA/Unknown	8.5	1.6
Sectors Allocation Breakdown		
UST/Agency	30.5	43.0
Corporate	33.8	20.1
MBS	22.6	33.0
ABS	5.3	0.6
Foreign		3.2
Muni		0.1
NA/Unknown	7.8	



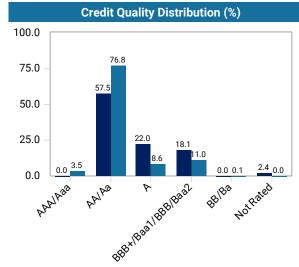


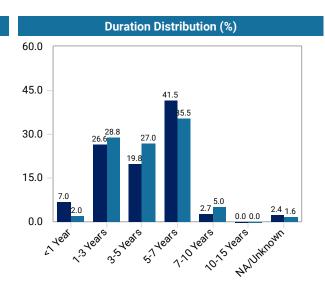


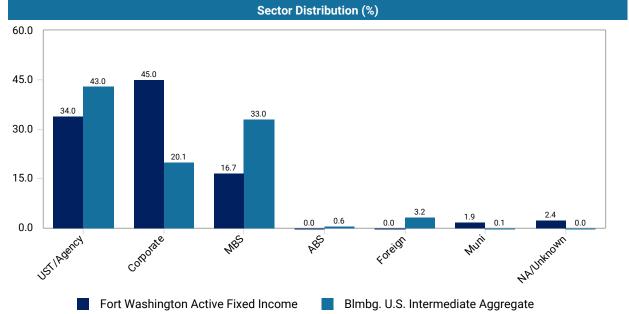


#### FORT WASHINGTON ACTIVE FIXED INCOME

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	5.1	5.3
Avg. Quality	Α	AA
Effective Duration	4.1	4.2
Yield To Maturity (%)	5.0	4.9
Quality Breakdown		
AAA/Aaa		3.5
AA/Aa	57.5	76.8
Α	22.0	8.6
BBB+/Baa1/BBB/Baa2	18.1	11.0
BB/Ba		0.1
Not Rated	2.4	
Duration Breakdown		
<1 Year	7.0	2.0
1-3 Years	26.6	28.8
3-5 Years	19.8	27.0
5-7 Years	41.5	35.5
7-10 Years	2.7	5.0
10-15 Years		0.0
NA/Unknown	2.4	1.6
Sectors Allocation Breakdown		
UST/Agency	34.0	43.0
Corporate	45.0	20.1
MBS	16.7	33.0
ABS		0.6
Foreign		3.2
Muni	1.9	0.1
NA/Unknown	2.4	









# **COMPOSITE PERFORMANCE DETAIL**

	Allocation			Performance (%)									
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total Fund Composite	2,628,329,779	100.0	6.6	6.7	-5.9	1.1	3.9	5.3	1.2	1.3	1.1	1.1	1.7
Policy Index			5.3	5.7	-7.1	1.0	3.9	5.7	1.2	0.8	0.9	0.8	1.3
InvMetrics Healthcare Operating Funds Net Rank			73	77	22	83	89	86	9	93	97	5	88
Short Term Composite	249,629,522	9.5	5.2	5.1	-5.2	-1.0	3.2	3.5	1.6	0.7	0.8	0.6	0.6
Blmbg. 1-5 Year Gov/Credit			4.7	4.9	-5.5	-1.0	4.7	5.0	1.4	1.3	1.6	1.0	1.4
eV US Short Duration Fixed Inc Rank			58	53	80	86	78	90	14	86	92	65	84
Intermediate Term Composite	961,933,315	36.6	4.7	5.5	-7.5	-1.0	4.8	4.6	1.5	1.3	1.2	1.2	1.9
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1	3.1
eV US Interm Duration Fixed Inc Rank			31	50	11	33	97	99	3	95	92	30	97
Opportunistic Composite	481,443,956	18.3	4.5	5.7	-8.5	-1.4	6.3	5.9	1.3	2.0	1.6	1.5	3.2
Blmbg. U.S. Intermediate Aggregate			3.5	5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2	4.1
eV US Interm Duration Fixed Inc Rank			42	42	50	60	64	87	6	82	82	13	64
Global Equity Composite	566,045,040	21.5	13.2	11.2	-6.0	12.7	1.4	17.0					
MSCI AC World Minimum Volatility Index (Net)			9.1	7.7	-10.3	13.9	2.7	21.1					
eV Global All Cap Equity Rank			59	86	7	75	89	91					



	Allocation	Allocation			Performance (%)								
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total Fund Composite	2,628,329,779	100.0	6.6	6.7	-5.9	1.1	3.9	5.3	1.2	1.3	1.1	1.1	1.7
Policy Index			5.3	5.7	-7.1	1.0	3.9	5.7	1.2	0.8	0.9	0.8	1.3
InvMetrics Healthcare Operating Funds Net Rank			73	77	22	83	89	86	9	93	97	5	88
Fixed Income Composite	1,693,006,793	64.4	4.7	5.5	-7.5	-1.1	5.0	4.8	1.5	1.3	1.3	1.1	2.0
Short Term Composite	249,629,522	9.5	5.2	5.1	-5.2	-1.0	3.2	3.5	1.6	0.7	8.0	0.6	0.6
Blmbg. 1-5 Year Gov/Credit			4.7	4.9	-5.5	-1.0	4.7	5.0	1.4	1.3	1.6	1.0	1.4
eV US Short Duration Fixed Inc Rank			58	53	80	86	78	90	14	86	92	65	84
Lord Abbett Short Duration	125,673,477	4.8	5.0	5.1	-4.9								
Blmbg. 1-5 Year Gov/Credit			4.7	4.9	-5.5								
Loop Capital Asset Management	123,956,045	4.7	5.3	5.1	-5.6	-0.9	3.2	3.5	1.6	0.7	1.0	0.4	0.5
Blmbg. 1-5 Year Gov/Credit			4.7	4.9	-5.5	-1.0	4.7	5.0	1.4	1.3	1.6	1.0	1.4
Intermediate Term Composite	961,933,315	36.6	4.7	5.5	-7.5	-1.0	4.8	4.6	1.5	1.3	1.2	1.2	1.9
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1	3.1
eV US Interm Duration Fixed Inc Rank			31	50	11	33	97	99	3	95	92	30	97
Galliard Intermediate Government	233,110,424	8.9	5.1	5.8	-8.1	-0.6	5.1	4.6	1.5	1.4	1.3	1.1	2.0
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1	3.1
Merganser Intermediate Bond	226,757,969	8.6	4.7	5.5	-7.6	-1.0	4.6	4.6	1.5	1.3	1.2	1.0	1.8
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2	-1.4	6.4	6.8	0.9	2.1	2.1	1.1	3.1
Fort Washington Intermediate Bond	194,402,564	7.4	4.5	5.6	-7.9								
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2								
Lord Abbett Intermediate Bond	223,403,188	8.5	4.5	5.5	-7.7								
Blmbg. Intermed. U.S. Government/Credit			4.2	5.2	-8.2								
PFM - Self Insurance Fund	46,685,734	1.8	4.8	5.0	-5.0	-0.9	4.6	4.6	1.4	1.1	1.3	1.0	1.3
ICE BofA 1-5 Yr Treasury & Agency			4.2	4.3	-5.2	-1.1	4.2	4.2	1.5	0.7	1.1	1.0	1.2
PFM - Disability Fund	20,668,727	0.8	4.8	5.0	-5.1	-0.9	4.6	4.6	1.3	1.1	1.3	1.0	1.3
ICE BofA 1-5 Yr Treasury & Agency			4.2	4.3	-5.2	-1.1	4.2	4.2	1.5	0.7	1.1	1.0	1.2
PFM - Workmen's Compensation Fund	11,338,330	0.4	5.0	5.1	-3.0	-0.5	2.8	3.5	1.6	0.7	1.0	0.7	0.6
ICE BofA U.S. Agencies, 1-3yr			4.9	4.7	-3.7	-0.4	2.7	3.5	1.8	0.7	1.0	0.7	0.7
PFM - Health & Dental Fund	5,566,379	0.2	5.1	5.0	-3.1	-0.5	2.8	3.5	1.7	0.7	1.0	0.7	0.6
ICE BofA U.S. Agencies, 1-3yr			4.9	4.7	-3.7	-0.4	2.7	3.5	1.8	0.7	1.0	0.7	0.7



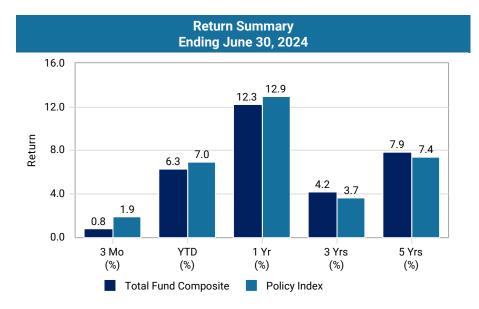
	Allocation			Performance (%)									
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Opportunistic Composite	481,443,956	18.3	4.5	5.7	-8.5	-1.4	6.3	5.9	1.3	2.0	1.6	1.5	3.2
Blmbg. U.S. Intermediate Aggregate			3.5	5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2	4.1
eV US Interm Duration Fixed Inc Rank			42	42	50	60	64	87	6	82	82	13	64
Galliard Opportunistic	148,402,091	5.6	4.5	5.7	-9.2	-1.1	6.6	5.9	1.3	2.2	1.6	1.4	3.4
Blmbg. U.S. Intermediate Aggregate			3.5	5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2	4.1
Merganser Opportunistic	148,792,050	5.7	4.5	5.6	-8.3	-1.4	5.9	5.8	1.4	1.7	1.6	1.2	2.5
Blmbg. U.S. Intermediate Aggregate			3.5	5.2	-9.5	-1.3	5.6	6.7	0.9	2.3	2.0	1.2	4.1
Fort Washington Active Fixed Income	184,249,815	7.0	4.4	5.8	-8.2								
Blmbg. U.S. Intermediate Aggregate			3.5	5.2	-9.5								
Global Equity Composite	566,045,040	21.5	13.2	11.2	-6.0	12.7	1.4	17.0					
MSCI AC World Minimum Volatility Index (Net)			9.1	7.7	-10.3	13.9	2.7	21.1					
eV Global All Cap Equity Rank			59	86	7	75	89	91					
Vanguard Global Minimum Volatility Equity	264,079,167	10.0	13.4	8.0	-4.5	12.0	-3.9	22.7					
MSCI AC World Minimum Volatility Index (Net)			9.1	7.7	-10.3	13.9	2.7	21.1					
eV Global Low Volatility Equity Rank			25	66	8	80	81	24					
Parametric Global Defensive Equity	301,965,873	11.5	13.1	14.6	-7.5	13.1	2.6	14.1					
50% MSCI ACWI / 50% 90 Day T-Bill			12.4	13.6	-8.5	9.0	9.1	14.1					
Cash Composite	369,277,946	14.0	5.4	5.1	1.3	0.1	8.0	2.4	1.9	0.9	0.5		
90 Day U.S. Treasury Bill			5.4	5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0	
PNC Treasury Management	369,273,810	14.0	5.4	5.1	1.3	0.1	8.0	2.4	1.9	0.9	0.5	0.2	
90 Day U.S. Treasury Bill			5.4	5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0	
U.S. Bank Cash	4,136	0.0	4.5	4.2	1.5	290.5	2.1	2.0					
90 Day U.S. Treasury Bill			5.4	5.0	1.5	0.0	0.7	2.3					





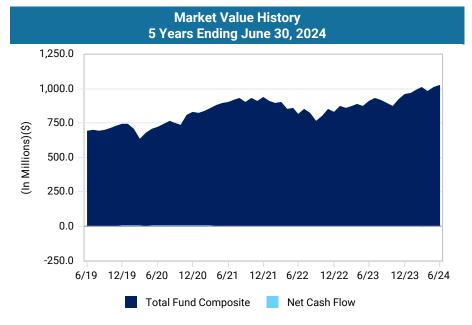
SOUTH **BROWARD** HOSPITAL DISTRICT -RETIREMENT **PLAN** Q2 2024

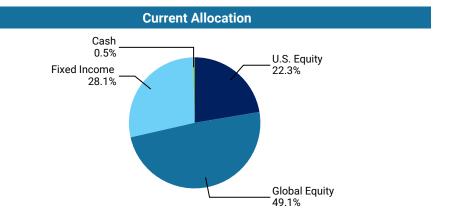
# **EXECUTIVE SUMMARY**



	Current (\$)	Current (%)	Policy (%)	Differences (%)
U.S. Equity	229,223,618	22.3	20.0	2.3
Global Equity	503,873,497	49.1	45.0	4.1
Fixed Income	288,448,694	28.1	35.0	-6.9
Cash	4,672,303	0.5	0.0	0.5
Total	1,026,218,113	100.0	100.0	0.0

June 30, 2024

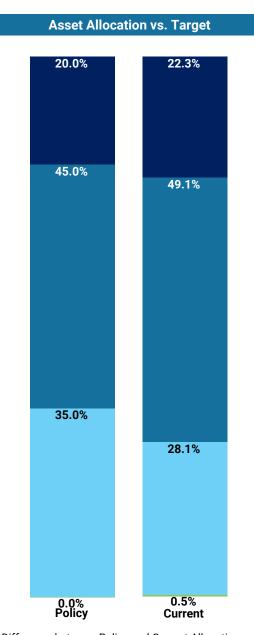




Summary of Cash Flows												
	1 Quarter	Year To Date	1 Year	3 Years								
Beginning Market Value	1,015,375,773	967,099,836	915,524,683	907,221,574								
Net Cash Flow	2,205,102	-1,510,233	-1,754,938	-5,185,108								
Net Investment Change	8,637,237	60,628,509	112,448,367	124,181,646								
Ending Market Value	1,026,218,113	1,026,218,113	1,026,218,113	1,026,218,113								



# **ASSET ALLOCATION VS. POLICY**

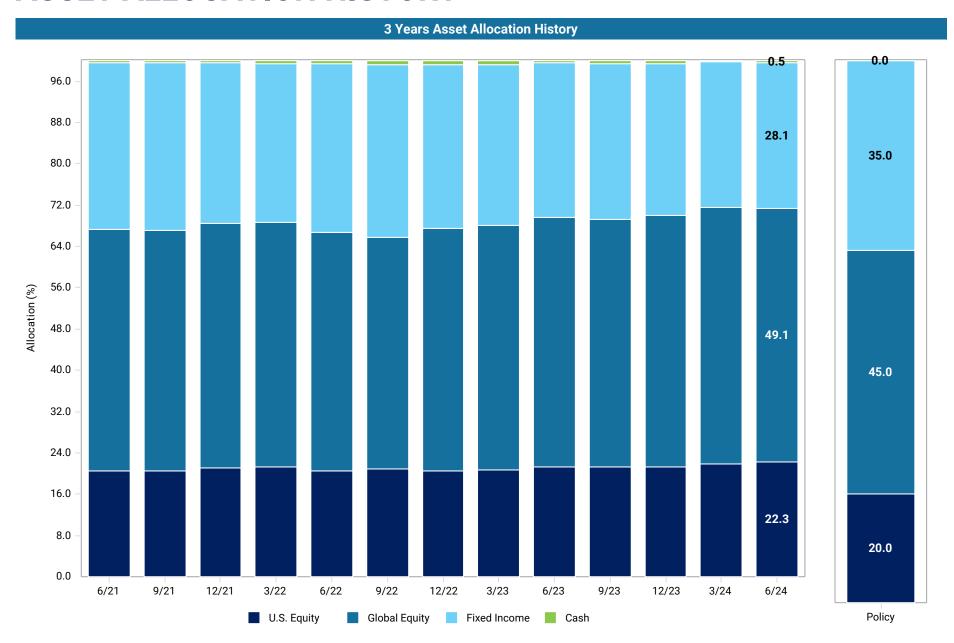


	Current (\$)	Current (%)	Policy (%)	Differences* (%)	Policy Range (%)	Within Range
U.S. Equity	229,223,618	22.3	20.0	2.3	15.0 - 25.0	Yes
Vanguard Total Stock Market Fund	114,451,746	11.2				
Parametric Defensive Equity	114,771,872	11.2				
Global Equity	503,873,497	49.1	45.0	4.1	40.0 - 50.0	Yes
Dodge & Cox	202,048,863	19.7				
Walter Scott & Partners	248,476,865	24.2				
Vanguard Global Minimum Volatility	53,347,769	5.2				
Fixed Income	288,448,694	28.1	35.0	-6.9	30.0 - 40.0	No
C.S. McKee Aggregate Fixed Income	187,057,087	18.2				
Chartwell High Yield	47,712,498	4.6				
Aristotle Floating Rate Income	53,664,885	5.2				
Wellington LCP Legacy Portfolio	14,225	0.0				
Cash	4,672,303	0.5	0.0	0.5	0.0 - 0.0	No
Money Market	694,626	0.1				
Vanguard Treasury Money Market	3,977,678	0.4				
Total	1,026,218,113	100.0	100.0	0.0		

<sup>\*</sup>Difference between Policy and Current Allocation

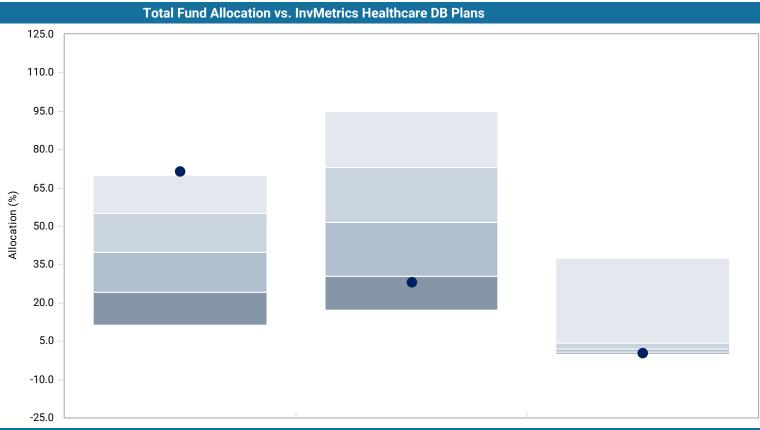


# **ASSET ALLOCATION HISTORY**





# **ALLOCATIONS VS. PEER UNIVERSE**

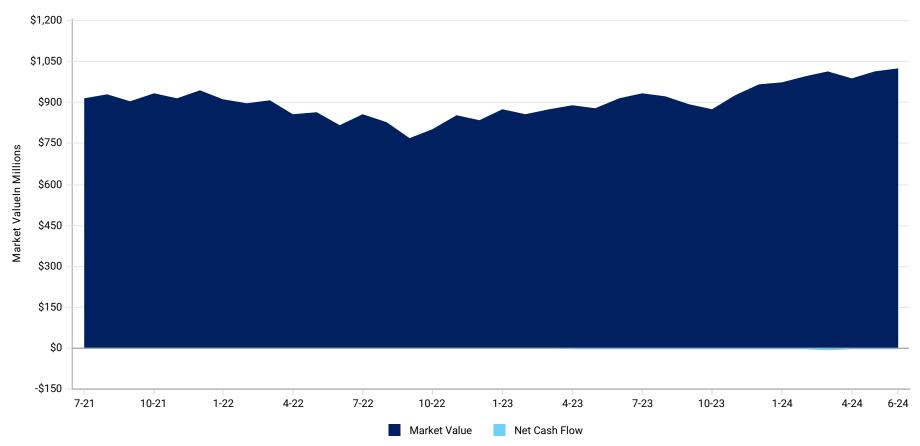


	Total Equity	Total Fixed Income	Cash & Equivalents
Total Fund Composite	71.4 (5)	28.1 (81)	0.5 (90)
5th Percentile	69.9	94.9	37.5
1st Quartile	55.3	73.0	4.2
Median	39.8	51.7	1.9
3rd Quartile	24.2	30.3	0.9
95th Percentile	11.3	17.2	0.2
Population	62	70	60



# **ASSET GROWTH SUMMARY**

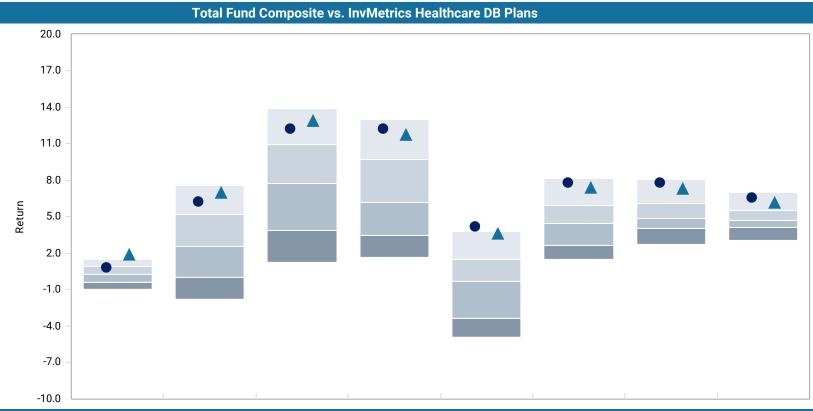




	Last Three Months	Year To Date	1 Year	3 Years
Beginning Market Value	1,015,375,773	967,099,836	915,524,683	907,221,574
Net Cash Flow	2,205,102	-1,510,233	-1,754,938	-5,185,108
Net Investment Change	8,637,237	60,628,509	112,448,367	124,181,646
Ending Market Value	1,026,218,113	1,026,218,113	1,026,218,113	1,026,218,113
Net Change	10,842,339	59,118,277	110,693,430	118,996,539



# **RETURN SUMMARY VS. PEER UNIVERSE**



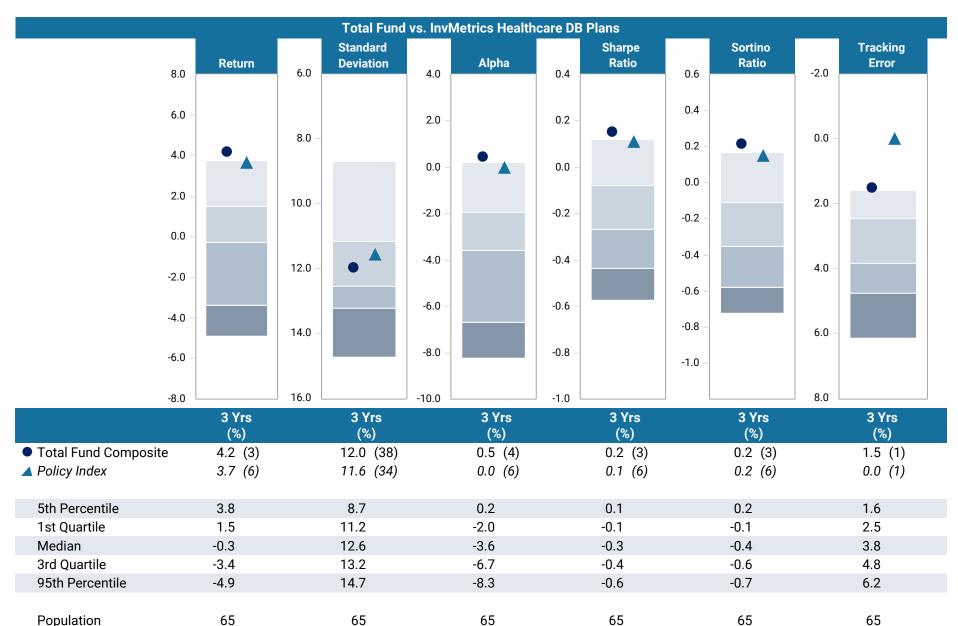
	3 Мо	YTD	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years
<ul><li>Total Fund Composite</li></ul>	0.8 (27)	6.3 (12)	12.3 (12)	12.3 (9)	4.2 (3)	7.9 (8)	7.8 (8)	6.6 (8)
Policy Index	1.9 (3)	7.0 (9)	12.9 (11)	11.8 (10)	3.7 (6)	7.4 (13)	7.3 (12)	6.2 (15)
5th Percentile	1.5	7.6	13.9	13.0	3.8	8.2	8.1	7.0
1st Quartile	1.0	5.2	11.0	9.7	1.5	6.0	6.1	5.5
Median	0.3	2.5	7.7	6.2	-0.3	4.5	4.9	4.7
3rd Quartile	-0.4	0.1	3.9	3.5	-3.4	2.7	4.1	4.1
95th Percentile	-0.9	-1.8	1.3	1.7	-4.9	1.5	2.7	3.1
Population	68	68	68	66	65	63	58	51



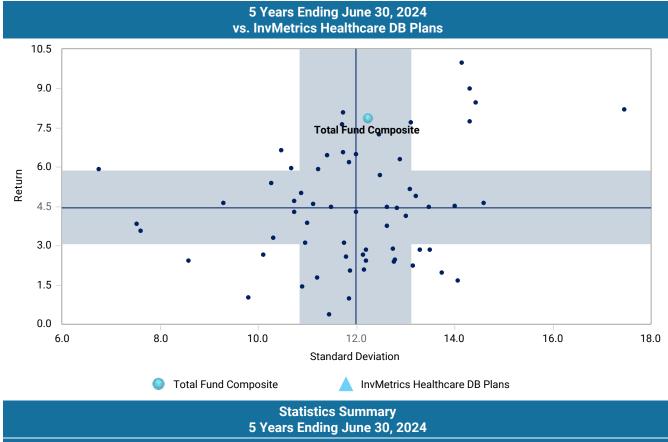
MHS Retirement Plan

June 30, 2024

#### **RISK STATISTICS VS. PEER UNIVERSE - 3 YEAR**







Statistics Summary 5 Years Ending June 30, 2024											
	5 Years Return	5 Years Standard Deviation	5 Years Sharpe Ratio	5 Years Sortino Ratio							
Total Fund Composite	7.9	12.2	0.5	0.7							
Policy Index	7.4	11.8	0.5	0.7							



	Allocation	on					Perform	mance (%	<b>6)</b>		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Total Fund Composite</b>	1,026,218,113	100.0	0.8	6.3	12.3	4.2	7.9	7.8	6.6	5.7	Jul-04
Policy Index			<u>1.9</u>	<u>7.0</u>	<u>12.9</u>	<u>3.7</u>	<u>7.4</u>	<u>7.3</u>	<u>6.2</u>	<u>6.1</u>	
Over/Under			-1.1	-0.7	-0.6	0.5	0.5	0.5	0.4	-0.4	
InvMetrics Healthcare DB Plans Rank			27	12	12	3	8	8	8	46	
Fixed Income Composite	288,448,694	28.1	0.7	1.1	5.2	-0.5	1.4	2.0	1.8	3.2	Jul-04
Custom Index			<u>0.5</u>	<u>0.5</u>	<u>4.6</u>	<u>-0.9</u>	<u>1.2</u>	<u>2.0</u>	<u>1.9</u>	<u>3.4</u>	
Over/Under			0.2	0.6	0.6	0.4	0.2	0.0	-0.1	-0.2	
eV All US Fixed Inc Rank			49	45	40	45	44	44	52	56	
U.S. Equity Composite	229,223,618	22.3	3.2	11.7	18.8	7.9	11.8	11.0		11.3	Sep-16
CRSP U.S. Total Market TR Index			<u>3.2</u>	<u>13.6</u>	<u>23.2</u>	<u>7.9</u>	<u>14.1</u>	<u>13.4</u>		<u>13.8</u>	
Over/Under			0.0	-1.9	-4.4	0.0	-2.3	-2.4		-2.5	
eV All US Equity Rank			22	29	35	28	39	43		45	
Global Equity Composite	503,873,497	49.1	-0.1	7.1	13.8	5.6	10.3	10.3	8.7	6.8	May-02
MSCI AC World Index (Net)			<u>2.9</u>	<u>11.3</u>	<u> 19.4</u>	<u>5.4</u>	<u>10.8</u>	<u>10.0</u>	<u>8.4</u>	<u>7.8</u>	
Over/Under			-3.0	-4.2	-5.6	0.2	-0.5	0.3	0.3	-1.0	
eV Global All Cap Equity Rank			69	61	56	32	42	39	38	87	



	Allocation	on					Perfor	mance (	(%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund Composite	1,026,218,113	100.0	8.0	6.3	12.3	4.2	7.9	7.8	6.6	5.7	Jul-04
Policy Index			<u>1.9</u>	<u>7.0</u>	<u>12.9</u>	<u>3.7</u>	<u>7.4</u>	<u>7.3</u>	<u>6.2</u>	<u>6.1</u>	
Over/Under			-1.1	-0.7	-0.6	0.5	0.5	0.5	0.4	-0.4	
InvMetrics Healthcare DB Plans Rank			27	12	12	3	8	8	8	46	
Fixed Income Composite	288,448,694	28.1	0.7	1.1	5.2	-0.5	1.4	2.0	1.8	3.2	Jul-04
Custom Index			<u>0.5</u>	<u>0.5</u>	<u>4.6</u>	<u>-0.9</u>	<u>1.2</u>	<u>2.0</u>	<u>1.9</u>	<u>3.4</u>	
Over/Under			0.2	0.6	0.6	0.4	0.2	0.0	-0.1	-0.2	
eV All US Fixed Inc Rank			49	45	40	45	44	44	52	56	
C.S. McKee Aggregate Fixed Income	187,057,087	18.2	0.2	-0.1	3.1	-2.8	0.0			1.3	Sep-18
Blmbg. U.S. Aggregate Index			<u>0.1</u>	<u>-0.7</u>	<u>2.6</u>	<u>-3.0</u>	<u>-0.2</u>			<u>1.0</u>	
Over/Under			0.1	0.6	0.5	0.2	0.2			0.3	
eV US Core Fixed Inc Rank			43	32	53	46	75			49	
Chartwell High Yield	47,712,498	4.6	1.4	2.8	8.1	2.7	3.2			3.1	Oct-17
ICE BofA U.S. High Yield Cash Pay BB 1-3 Year			<u>1.4</u>	<u>2.8</u>	<u>8.1</u>	<u>3.1</u>	<u>4.0</u>			<u>4.0</u>	
Over/Under			0.0	0.0	0.0	-0.4	-0.8			-0.9	
High Yield Bond Rank			20	45	93	19	67			79	
Aristotle Floating Rate Income	53,664,885	5.2	1.6	4.1	10.5	6.0	5.0			4.7	Feb-18
Credit Suisse Leveraged Loan Index			<u>1.9</u>	<u>4.4</u>	<u>11.0</u>	<u>6.0</u>	<u>5.4</u>			<u>5.0</u>	
Over/Under			-0.3	-0.3	-0.5	0.0	-0.4			-0.3	
Bank Loan Rank			65	46	46	10	23			17	
Wellington LCP Legacy Portfolio	14,225	0.0									

<sup>\*</sup>Custom Index consist of 71.4% Bloomberg U.S. Aggregate,14.3% BofA Merrill Lynch 1-3 Yrs High Yield BB, and 14.3% Credit Suisse Leveraged Loan Index.



<sup>\*</sup>All data prior to 5/2023 was received from Marquette Associates.
\*Policy Index consist of 40% MSCI ACWI, 5% MSCI ACWI Minimum Volatility, 25% Barclays U.S. Aggregate, 10% CRSP US Total Market Index, 10% CBOE Put Write Index, 5% BofAML 1-3 Year High Yield BB, and 5% Credit Suisse Leveraged Loan Index.

	Allocati	on					Perfor	mance (	[%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
U.S. Equity Composite	229,223,618	22.3	3.2	11.7	18.8	7.9	11.8	11.0		11.3	Sep-16
CRSP U.S. Total Market TR Index			<u>3.2</u>	<u>13.6</u>	<u>23.2</u>	<u>7.9</u>	<u>14.1</u>	<u>13.4</u>		<u>13.8</u>	
Over/Under			0.0	-1.9	-4.4	0.0	-2.3	-2.4		-2.5	
eV All US Equity Rank			22	29	35	28	39	43		45	
Vanguard Total Stock Market Fund	114,451,746	11.2	3.3	13.6	23.3	7.9	14.1	13.4		13.6	Sep-16
CRSP U.S. Total Market TR Index			<u>3.2</u>	<u>13.6</u>	<u>23.2</u>	<u>7.9</u>	<u>14.1</u>	<u>13.4</u>		<u>13.8</u>	
Over/Under			0.1	0.0	0.1	0.0	0.0	0.0		-0.2	
All Cap Rank			25	29	29	29	25	25		27	
Parametric Defensive Equity	114,771,872	11.2	3.2	9.8	15.0	8.1	9.2	8.2		8.1	Feb-17
50% S&P 500/50% 90 Day T-Bill			<u>2.9</u>	<u>8.9</u>	<u>14.9</u>	<u>6.9</u>	<u>8.9</u>	<u>8.4</u>		<u>8.4</u>	
Over/Under			0.3	0.9	0.1	1.2	0.3	-0.2		-0.3	
Global Equity Composite	503,873,497	49.1	-0.1	7.1	13.8	5.6	10.3	10.3	8.7	6.8	May-02
MSCI AC World Index (Net)			<u>2.9</u>	<u>11.3</u>	<u> 19.4</u>	<u>5.4</u>	<u>10.8</u>	<u>10.0</u>	<u>8.4</u>	<u>7.8</u>	
Over/Under			-3.0	-4.2	-5.6	0.2	-0.5	0.3	0.3	-1.0	
eV Global All Cap Equity Rank			69	61	56	32	42	39	38	87	
Dodge & Cox	202,048,863	19.7	-0.4	5.3	14.1	6.0	11.0	8.8	7.8	10.5	Sep-11
MSCI AC World Index Value (Net)			<u>-0.6</u>	<u>6.2</u>	<u>13.9</u>	<u>4.8</u>	<u>7.0</u>	<u>6.4</u>	<u>5.4</u>	<u>7.4</u>	
Over/Under			0.2	-0.9	0.2	1.2	4.0	2.4	2.4	3.1	
Global Large-Stock Value Rank			43	63	43	41	8	12	7	1	
Walter Scott & Partners	248,476,865	24.2	0.1	8.1	13.5	5.3	10.3	11.6	10.0	11.3	Dec-11
MSCI World Growth (Net)			<u>6.3</u>	<u>17.2</u>	<u> 26.4</u>	<u>7.4</u>	<u>15.3</u>	<u>14.5</u>	<u>12.1</u>	<u>13.3</u>	
Over/Under			-6.2	-9.1	-12.9	-2.1	-5.0	-2.9	-2.1	-2.0	
eV Global All Cap Growth Eq Rank			69	55	54	16	55	47	49	59	
Vanguard Global Minimum Volatility	53,347,769	5.2	0.2	8.9	13.4	5.4	5.2			6.2	Nov-17
MSCI AC World Minimum Volatility Index (Net)			<u>0.3</u>	<u>5.1</u>	<u>9.1</u>	<u>2.6</u>	<u>4.7</u>			<u>5.8</u>	
Over/Under			-0.1	3.8	4.3	2.8	0.5			0.4	
eV Global Low Volatility Equity Rank			51	21	25	27	63			35	

<sup>\*</sup>All data prior to 5/2023 was received from Marquette Associates.

<sup>\*</sup>Custom Index consist of 71.4% Bloomberg U.S. Aggregate, 14.3% BofA Merrill Lynch 1-3 Yrs High Yield BB, and 14.3% Credit Suisse Leveraged Loan Index.



<sup>\*</sup>Policy Index consist of 40% MSCI ACWI, 5% MSCI ACWI Minimum Volatility, 25% Barclays U.S. Aggregate, 10% CRSP US Total Market Index, 10% CBOE Put Write Index, 5% of AML 1-3 Year High Yield BB, and 5% Credit Suisse Leveraged Loan Index.

# **CASH FLOW SUMMARY BY MANAGER**

	1	Quarter Ending Jur	ne 30, 2024			
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Gain/ Loss	Ending Market Value
C.S. McKee Aggregate Fixed Income	\$186,666,699	-	-	-	\$390,388	\$187,057,087
Chartwell High Yield	\$47,031,099	-	-	-	\$681,399	\$47,712,498
Aristotle Floating Rate Income	\$52,752,187	-	-\$8,340	-\$8,340	\$921,038	\$53,664,885
Wellington LCP Legacy Portfolio	\$14,068	\$93	-\$51	\$42	\$114	\$14,225
Vanguard Total Stock Market Fund	\$111,195,876	-	-\$407,262	-\$407,262	\$3,663,132	\$114,451,746
Parametric Defensive Equity	\$111,260,207	-	-	-	\$3,511,665	\$114,771,872
Dodge & Cox	\$202,820,533	-	-	-	-\$771,670	\$202,048,863
Walter Scott & Partners	\$248,336,364	-	-	-	\$140,501	\$248,476,865
Vanguard Global Minimum Volatility	\$53,260,798	-	-	-	\$86,971	\$53,347,769
Money Market	\$2,011,347	\$422,671	-\$1,749,394	-\$1,326,722	\$10,001	\$694,626
Vanguard Treasury Money Market	\$26,595	\$15,369,910	-\$11,422,525	\$3,947,385	\$3,698	\$3,977,678
Total	\$1,015,375,773	\$15,792,674	-\$13,587,571	\$2,205,102	\$8,637,237	\$1,026,218,113



## **RETURN SUMMARY VS. PEER UNIVERSE**

#### **Total Fund Composite vs. InvMetrics Healthcare DB Plans** 36.0 28.0 20.0 12.0 4.0 Return -4.0 -12.0 -20.0 -28.0 -36.0 2019 2018 2017 2016 2015 2024 2023 2022 2021 2020 Total Fund Composite 12.3 (12) 16.3 (9) -11.9 (18) 11.0 (79) 19.5 (45) 15.9 (38) 7.1 (55) -2.0 (50) 13.4 (18) -3.7 (19) ▲ Policy Index 12.9 (11) 15.7 (9) -13.9 (31) 12.6 (25) 11.7 (70) 19.6 (44) -4.7 (37) 15.2 (52) 6.2 (74) -1.4 (36) 9.9 5th Percentile 13.9 17.6 -8.2 16.2 18.9 23.6 -2.0 18.5 0.5 1st Quartile 15.6 20.9 16.4 11.0 13.8 -13.4 12.6 -4.1 8.4 -0.9 Median 7.7 11.7 -16.2 9.8 13.5 -5.4 15.3 7.3 -2.1 19.1 3rd Quartile 3.9 10.2 -20.6 11.2 17.2 -6.5 13.8 6.0 -2.7 6.6 95th Percentile 7.2 7.8 13.1 1.3 -24.4 0.2 -7.6 9.5 4.2 -4.0 Population 68 113 131 179 199 174 166 176 173 166



# MHS Retirement Plan RISK STATISTICS

	3	Years Ending	June 30, 20	)24				
	Return	Standard Deviation	Alpha	Sharpe Ratio	Sortino Ratio	Tracking Error	3 Years Up Capture	3 Years Down Capture
Fixed Income Composite	-0.5	5.9	0.4	-0.6	-0.7	0.6	100.0	95.0
Custom Index	-0.9	6.0	0.0	-0.6	-0.8	0.0	100.0	100.0
C.S. McKee Aggregate Fixed Income	-2.8	7.6	0.3	-0.7	-0.9	0.7	101.6	98.9
Blmbg. U.S. Aggregate Index	-3.0	7.4	0.0	-0.8	-1.0	0.0	100.0	100.0
Chartwell High Yield	2.7	4.3	-0.4	0.0	-0.1	0.7	98.4	105.0
ICE BofA U.S. High Yield Cash Pay BB 1-3 Year	3.1	4.1	0.0	0.0	0.0	0.0	100.0	100.0
Aristotle Floating Rate Income	6.0	3.9	-0.2	0.8	1.1	0.8	100.9	101.0
Credit Suisse Leveraged Loan Index	6.0	3.7	0.0	0.8	1.1	0.0	100.0	100.0
Wellington LCP Legacy Portfolio	15.2	14.5	18.9	0.8	2.5	14.8	111.3	-33.4
Blmbg. Global Aggregate	-5.5	8.8	0.0	-1.0	-1.1	0.0	100.0	100.0
U.S. Equity Composite  CRSP U.S. Total Market TR Index	<b>7.9</b> 7.9	<b>14.0</b> 18.1	<b>1.5</b> 0.0	<b>0.4</b> 0.3	<b>0.6</b> 0.5	<b>4.4</b> 0.0	<b>80.1</b> 100.0	<b>74.6</b> 100.0
Vanguard Total Stock Market Fund	7.9	18.1	0.0	0.3	0.5	0.2	99.8	99.8
CRSP U.S. Total Market TR Index	7.9	18.1	0.0	0.3	0.5	0.0	100.0	100.0
Parametric Defensive Equity	8.1	10.3	0.5	0.5	0.7	2.6	112.9	109.2
50% S&P 500/50% 90 Day T-Bill	6.9	9.0	0.0	0.5	0.7	0.0	100.0	100.0
Global Equity Composite	5.6	16.1	0.4	0.2	0.3	3.4	97.6	96.6
MSCI AC World Index (Net)	5.4	16.8	0.0	0.2	0.3	0.0	100.0	100.0
Dodge & Cox	6.0	17.5	1.0	0.2	0.4	5.4	115.1	111.9
MSCI AC World Index Value (Net)	4.8	15.3	0.0	0.2	0.3	0.0	100.0	100.0
Walter Scott & Partners	5.3	18.3	-0.9	0.2	0.3	7.0	85.3	89.6
MSCI World Growth (Net)	7.4	20.9	0.0	0.3	0.4	0.0	100.0	100.0



	Return	Standard Deviation	Alpha	Sharpe Ratio	Sortino Ratio	Tracking Error	3 Years Up Capture	3 Years Down Capture
Vanguard Global Minimum Volatility	5.4	10.4	3.1	0.3	0.4	3.9	95.7	78.4
MSCI AC World Minimum Volatility Index (Net)	2.6	11.4	0.0	0.0	0.0	0.0	100.0	100.0
Cash Composite	2.6	0.7	-0.3	-1.2	-0.8	0.4	84.5	-10.0
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0
Money Market	3.1	0.8	0.1	0.2	0.1	0.4	101.8	-21.3
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0
Vanguard Treasury Money Market	2.3	0.8	-0.6	-1.3	-1.1	0.6	75.8	-5.0
90 Day U.S. Treasury Bill	3.0	0.7	0.0		0.0	0.0	100.0	100.0

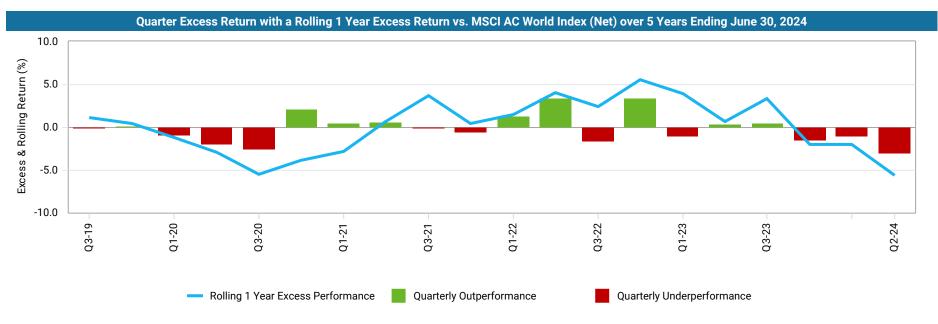


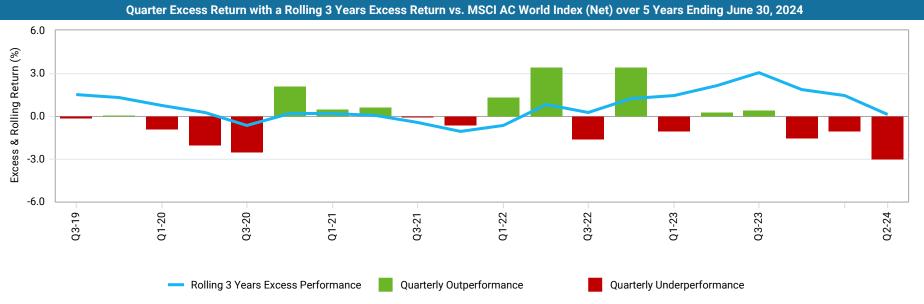
# MHS Retirement Plan FEE SCHEDULE

Account Name	Fee Schedule	Market Value (\$)	% of Portfolio	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Fund Composite		1,026,218,113	100.0	4,252,664	0.4
C.S. McKee Aggregate Fixed Income	0.20 % of First \$100 M 0.15 % of Next \$100 M 0.12 % Thereafter	187,057,087	18.2	330,586	0.2
Chartwell High Yield	0.50 % of First \$20 M 0.40 % of Next \$30 M 0.30 % Thereafter	47,712,498	4.6	210,850	0.4
Aristotle Floating Rate Income	0.71 % of Assets	53,664,885	5.2	381,021	0.7
Wellington LCP Legacy Portfolio		14,225	0.0		
Vanguard Total Stock Market Fund	0.05 % of Assets	114,451,746	11.2	57,226	0.1
Parametric Defensive Equity	0.33 % of Assets	114,771,872	11.2	373,009	0.3
Dodge & Cox	0.65 % of Assets	202,048,863	19.7	1,313,318	0.7
Walter Scott & Partners	0.75 % of First \$100 M 0.50 % Thereafter	248,476,865	24.2	1,492,384	0.6
Vanguard Global Minimum Volatility	0.17 % of Assets	53,347,769	5.2	90,691	0.2
Money Market		694,626	0.1		
Vanguard Treasury Money Market		3,977,678	0.4	3,580	0.1



# **GLOBAL EQUITY COMPOSITE**





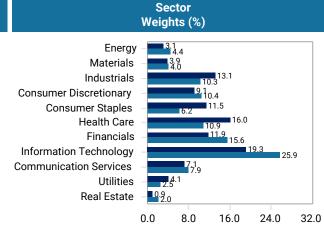


## **VANGUARD GLOBAL MINIMUM VOLATILITY**

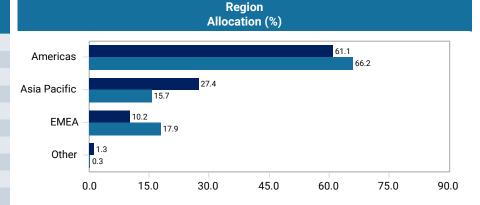
#### Vanguard Global Minimum Volatility vs. MSCI AC World Index (Net)

Characteristics			
	Portfolio	Benchmark	
Price/Earnings ratio	20.2	22.4	
Price/Book ratio	3.6	3.9	
Current Yield (%)	2.2	1.9	
Wtd. Avg. Mkt. Cap \$B	106	659	
Median Mkt. Cap \$B	13	12	
Number of Stocks	271	2,760	
5 Yr. EPS Growth Rate (%)	11.2	15.5	





Top Holdings			
	Weight (%)		
Taiwan Semiconductor	2.2		
Icici Bank Ltd	1.8		
Republic Services Inc.	1.8		
Waste Management Inc.	1.7		
AptarGroup Inc.	1.7		
Colgate-Palmolive Co	1.7		
Merck & Co Inc	1.7		
Cencora Inc	1.7		
Church & Dwight Co Inc	1.6		
Roper Technologies Inc	1.6		



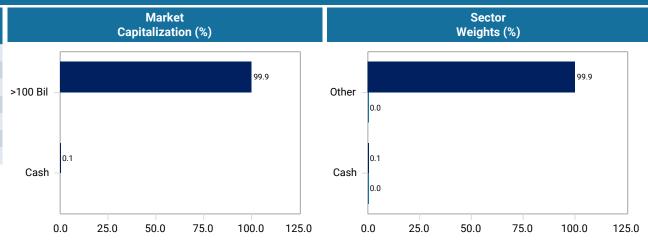
Top Contributors			
	Weight	Return	Contribution
Taiwan Semiconductor	1.7	28.2	0.5
Eli Lilly and Co	1.2	16.6	0.2
Dollarama Inc	0.9	20.8	0.2
Icici Bank Ltd	1.6	9.1	0.1
China Shenhua Energy Co Ltd	0.5	25.5	0.1

	Top Detractors	\$	
	Weight	Return	Contribution
Chemed Corp	1.6	-15.4	-0.2
NewMarket Corp	1.1	-18.4	-0.2
Amdocs Ltd	1.5	-12.1	-0.2
Globe Life Inc	0.6	-29.1	-0.2
East Japan Railway Co	1.0	-14.1	-0.1

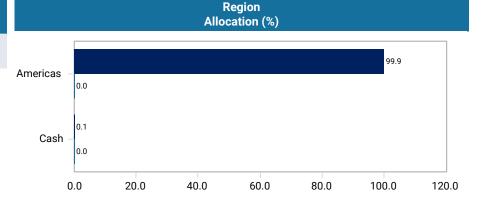


# **PARAMETRIC DEFENSIVE EQUITY**

#### Parametric Defensive Equity vs. 50% S&P 500/50% 90 Day T-Bill **Characteristics** Portfolio Benchmark Price/Earnings ratio 0.0 Price/Book ratio 0.0 Current Yield (%) 1.3 0.0 Wtd. Avg. Mkt. Cap \$B 488 Median Mkt. Cap \$B 488 **Number of Stocks** 0 5 Yr. EPS Growth Rate (%) 0.0



Top Holdin	igs
	Weight (%)
iShares Core S&P 500 ETF	99.9
% of Portfolio	99.9



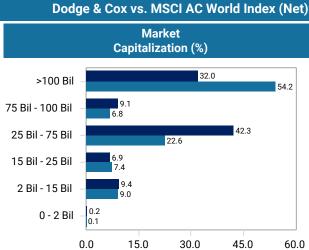
	Top Contribut	ors	
	Weight	Return	Contribution
Vanguard S&P 500 ETF	85.5	4.4	3.8

	Top Detracto	rs	
	Weight	Return	Contribution
Vanguard S&P 500 ETF	85.5	4.4	3.8



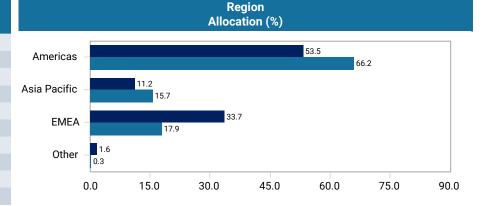
# MHS Retirement Plan DODGE & COX

#### **Characteristics** Portfolio Benchmark Price/Earnings ratio 14.3 22.4 3.9 Price/Book ratio 2.3 Current Yield (%) 1.9 1.9 253 Wtd. Avg. Mkt. Cap \$B 659 48 Median Mkt. Cap \$B 12 **Number of Stocks** 88 2,760 5 Yr. EPS Growth Rate (%) 9.9 15.5





Top Holdings			
	Weight (%)		
Alphabet Inc CI C	4.2		
Sanofi	3.0		
Schwab (Charles) Corp	3.0		
GSK plc	2.9		
Charter Communications Inc	2.4		
Johnson Controls Inter	2.4		
Comcast Corp	2.0		
RTX Corp	1.9		
CVS Health Corp	1.9		
HDFC Bank Limited	1.9		



	Top Contributors		
	Weight	Return	Contribution
Alphabet Inc CI C	3.7	20.6	0.8
Axis Bank Ltd	1.6	20.8	0.3
Alnylam Pharmaceuticals Inc	0.5	62.6	0.3
Barclays PLC	2.1	14.1	0.3
HDFC Bank Limited	1.4	17.9	0.2

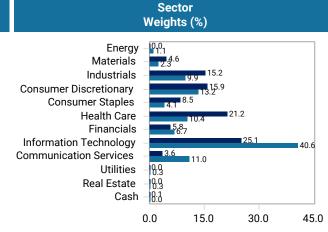
	Top Detractors		
	Weight	Return	Contribution
CVS Health Corp	1.5	-25.2	-0.4
XP Inc	1.0	-31.4	-0.3
GSK plc	3.2	-9.4	-0.3
BNP Paribas	2.2	-12.0	-0.3
Zimmer Biomet Holdings Inc	1.4	-17.6	-0.2



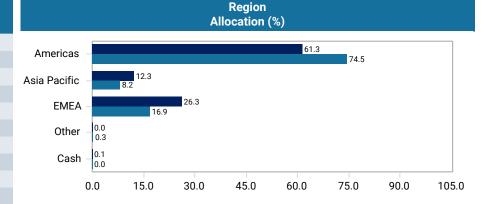
# **WALTER SCOTT & PARTNERS**

#### **Characteristics** Portfolio Benchmark Price/Earnings ratio 30.5 34.1 Price/Book ratio 7.6 7.9 Current Yield (%) 1.2 8.0 Wtd. Avg. Mkt. Cap \$B 399 1,224 Median Mkt. Cap \$B 86 21 **Number of Stocks** 49 641 5 Yr. EPS Growth Rate (%) 12.9 22.9





Top Holdings			
	Weight (%)		
Microsoft Corp	4.6		
Novo Nordisk A/S	4.6		
Taiwan Semiconductor	4.4		
Alphabet Inc CI C	3.6		
TJX Companies Inc (The)	3.4		
Amphenol Corp	3.4		
Adobe Inc	2.9		
Mastercard Inc	2.9		
Linde Plc	2.8		
Alimentation Couche-Tard Inc	2.8		



Top Contributors			
	Weight	Return	Contribution
Taiwan Semiconductor	3.5	28.2	1.0
Alphabet Inc CI C	3.1	20.6	0.6
Novo Nordisk A/S	4.5	13.3	0.6
Amphenol Corp	3.0	17.0	0.5
Costco Wholesale Corp	2.6	16.2	0.4

Top Detractors			
	Weight	Return	Contribution
Fastenal Co	2.3	-18.1	-0.4
LVMH Moet Hennessy Louis	2.9	-14.3	-0.4
West Pharmaceutical Services Inc.	2.4	-16.7	-0.4
Old Dominion Freight Line Inc	1.9	-19.4	-0.4
Waters Corp	1.8	-15.7	-0.3



## **VANGUARD TOTAL STOCK MARKET FUND**

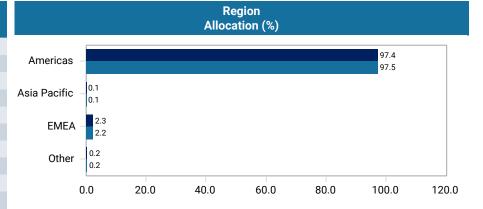
# Vanguard Total Stock Market Fund vs. CRSP U.S. Total Market TR Index Market

Characteristics			
	Portfolio	Benchmark	
Price/Earnings ratio	26.0	26.0	
Price/Book ratio	4.6	4.6	
Current Yield (%)	1.4	1.4	
Wtd. Avg. Mkt. Cap \$B	875	875	
Median Mkt. Cap \$B	1	1	
Number of Stocks	3,614	3,636	
5 Yr. EPS Growth Rate (%)	17.5	17.4	





Top Holdings			
	Weight (%)		
Microsoft Corp	6.4		
Apple Inc	5.9		
NVIDIA Corporation	5.5		
Amazon.com Inc	3.5		
Meta Platforms Inc	2.1		
Alphabet Inc CI A	2.1		
Alphabet Inc CI C	1.7		
Eli Lilly and Co	1.5		
Broadcom Inc	1.4		
Berkshire Hathaway Inc	1.4		



Top Contributors			
	Weight	Return	Contribution
NVIDIA Corporation	4.2	36.7	1.6
Apple Inc	5.0	23.0	1.1
Microsoft Corp	6.2	6.4	0.4
Alphabet Inc CI A	1.8	20.8	0.4
Alphabet Inc CI C	1.4	20.6	0.3
•			• • •

Top Detractors			
	Weight	Return	Contribution
Intel Corp	0.4	-29.6	-0.1
Walt Disney Co (The)	0.4	-18.9	-0.1
SALESFORCE INC	0.5	-14.6	-0.1
Home Depot Inc. (The)	0.8	-9.6	-0.1
Mastercard Inc	0.8	-8.3	-0.1

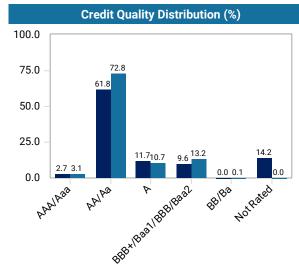


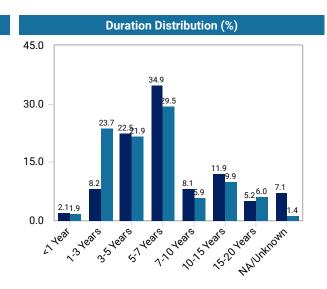
MHS Retirement Plan

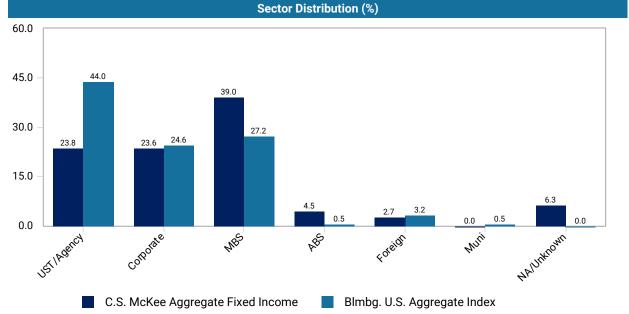
June 30, 2024

#### C.S. MCKEE AGGREGATE FIXED INCOME

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	9.5	8.4
Avg. Quality	AA	AA
Effective Duration	6.1	6.0
Yield To Maturity (%)	5.2	4.9
Quality Breakdown		
AAA/Aaa	2.7	3.1
AA/Aa	61.8	72.8
A	11.7	10.7
BBB+/Baa1/BBB/Baa2	9.6	13.2
BB/Ba		0.1
Not Rated	14.2	
Duration Breakdown		
<1 Year	2.1	1.9
1-3 Years	8.2	23.7
3-5 Years	22.5	21.9
5-7 Years	34.9	29.5
7-10 Years	8.1	5.9
10-15 Years	11.9	9.9
15-20 Years	5.2	6.0
NA/Unknown	7.1	1.4
Sectors Allocation Breakdown		
UST/Agency	23.8	44.0
Corporate	23.6	24.6
MBS	39.0	27.2
ABS	4.5	0.5
Foreign	2.7	3.2
Muni		0.5
NA/Unknown	6.3	



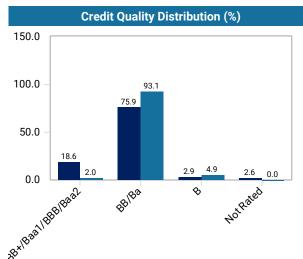


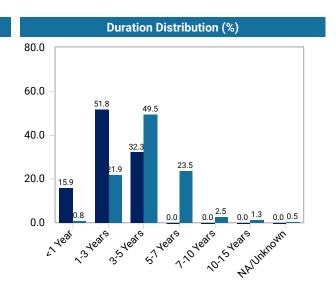


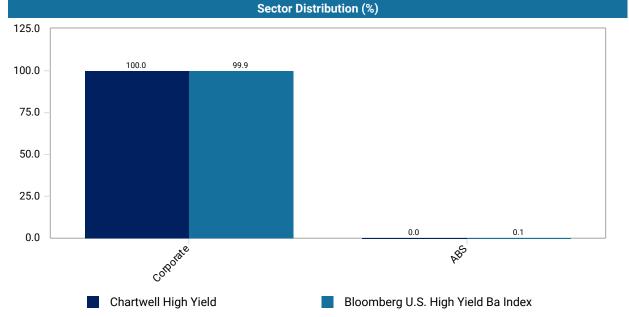


## **CHARTWELL HIGH YIELD**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	2.5	5.2
Avg. Quality	BB	BB
Effective Duration	1.9	4.2
Yield To Maturity (%)	6.2	6.6
Quality Breakdown		
BBB+/Baa1/BBB/Baa2	18.6	2.0
BB/Ba	75.9	93.1
В	2.9	4.9
Not Rated	2.6	
Duration Breakdown		
<1 Year	15.9	8.0
1-3 Years	51.8	21.9
3-5 Years	32.3	49.5
5-7 Years		23.5
7-10 Years		2.5
10-15 Years		1.3
NA/Unknown		0.5
Sectors Allocation Breakdown		
Corporate	100.0	99.9
ABS		0.1



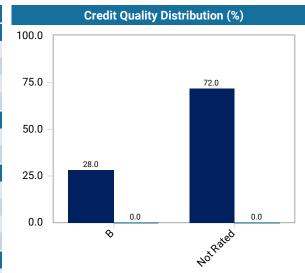


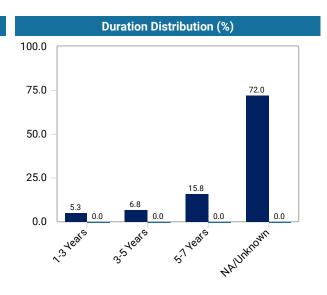


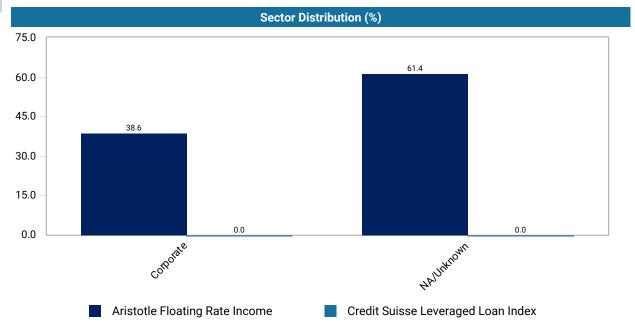


# **ARISTOTLE FLOATING RATE INCOME**

	Fund	Index
Portfolio Characteristics		
Avg. Maturity	5.7	
Avg. Quality	В	
Effective Duration	3.0	
Yield To Maturity (%)	7.1	
Quality Breakdown		
В	28.0	
Not Rated	72.0	
Duration Breakdown		
1-3 Years	5.3	
3-5 Years	6.8	
5-7 Years	15.8	
NA/Unknown	72.0	
Sectors Allocation Breakdov	wn	
Corporate	38.6	
NA/Unknown	61.4	









	Allocation Performance (%)						Allocation Performance (%)						
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
<b>Total Fund Composite</b>	1,026,218,113	100.0	12.3	16.3	-11.9	13.4	11.0	19.5	-3.7	15.9	7.1	-2.0	4.2
Policy Index			<u>12.9</u>	<u>15.7</u>	<u>-13.9</u>	<u>12.6</u>	<u>11.7</u>	<u> 19.6</u>	<u>-4.7</u>	<u>15.2</u>	<u>6.2</u>	<u>-1.4</u>	<u>4.1</u>
Over/Under			-0.6	0.6	2.0	0.8	-0.7	-0.1	1.0	0.7	0.9	-0.6	0.1
InvMetrics Healthcare DB Plans Rank			12	9	18	18	79	45	19	38	55	50	81
Fixed Income Composite	288,448,694	28.1	5.2	7.5	-9.5	-0.2	6.3	8.6	-0.6	4.5	3.1	-0.7	4.0
Custom Index			<u>4.6</u>	<u>7.1</u>	<u>-10.0</u>	<u>0.1</u>	<u>6.7</u>	<u>8.7</u>	<u>0.5</u>	<u>4.9</u>	<u>2.5</u>	<u>-0.7</u>	<u>4.1</u>
Over/Under			0.6	0.4	0.5	-0.3	-0.4	-0.1	-1.1	-0.4	0.6	0.0	-0.1
eV All US Fixed Inc Rank			40	33	52	53	47	46	68	40	50	75	50
U.S. Equity Composite	229,223,618	22.3	18.8	21.0	-13.8	21.8	13.6	23.5	-4.1	17.8			
CRSP U.S. Total Market TR Index			<u>23.2</u>	<u>26.0</u>	<u>-19.5</u>	<u>25.7</u>	<u>21.0</u>	<u>30.8</u>	<u>-5.2</u>	<u>21.2</u>			
Over/Under			-4.4	-5.0	5.7	-3.9	-7.4	-7.3	1.1	-3.4			
eV All US Equity Rank			35	40	39	70	55	78	29	56			
Global Equity Composite	503,873,497	49.1	13.8	20.2	-12.8	19.0	12.4	27.1	-6.2	23.6	8.7	-2.6	5.0
MSCI AC World Index (Net)			<u>19.4</u>	<u>22.2</u>	<u>-18.4</u>	<u>18.5</u>	<u>16.3</u>	<u> 26.6</u>	<u>-9.4</u>	<u>24.0</u>	<u>7.9</u>	<u>-2.4</u>	<u>4.2</u>
Over/Under			-5.6	-2.0	5.6	0.5	-3.9	0.5	3.2	-0.4	8.0	-0.2	0.8
eV Global All Cap Equity Rank			56	45	29	41	65	49	23	54	30	69	31



	Allocation			Performance (%)									
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total Fund Composite	1,026,218,113	100.0	12.3	16.3	-11.9	13.4	11.0	19.5	-3.7	15.9	7.1	-2.0	4.2
Policy Index			<u>12.9</u>	<u>15.7</u>	<u>-13.9</u>	<u>12.6</u>	<u>11.7</u>	<u> 19.6</u>	<u>-4.7</u>	<u>15.2</u>	<u>6.2</u>	<u>-1.4</u>	<u>4.1</u>
Over/Under			-0.6	0.6	2.0	0.8	-0.7	-0.1	1.0	0.7	0.9	-0.6	0.1
InvMetrics Healthcare DB Plans Rank			12	9	18	18	79	45	19	38	55	50	81
Fixed Income Composite	288,448,694	28.1	5.2	7.5	-9.5	-0.2	6.3	8.6	-0.6	4.5	3.1	-0.7	4.0
Custom Index			<u>4.6</u>	<u>7.1</u>	<u>-10.0</u>	<u>0.1</u>	<u>6.7</u>	<u>8.7</u>	<u>0.5</u>	<u>4.9</u>	<u>2.5</u>	<u>-0.7</u>	<u>4.1</u>
Over/Under			0.6	0.4	0.5	-0.3	-0.4	-0.1	-1.1	-0.4	0.6	0.0	-0.1
eV All US Fixed Inc Rank			40	33	52	53	47	46	68	40	50	75	50
C.S. McKee Aggregate Fixed Income	187,057,087	18.2	3.1	5.9	-12.9	-1.8	7.6	8.9					
Blmbg. U.S. Aggregate Index			<u>2.6</u>	<u>5.5</u>	<u>-13.0</u>	<u>-1.5</u>	<u>7.5</u>	<u>8.7</u>					
Over/Under			0.5	0.4	0.1	-0.3	0.1	0.2					
eV US Core Fixed Inc Rank			53	51	43	76	72	52					
Chartwell High Yield	47,712,498	4.6	8.1	8.1	-3.0	2.3	4.2	7.0	0.7				
ICE BofA U.S. High Yield Cash Pay BB 1-3 Year			<u>8.1</u>	<u>8.9</u>	<u>-3.1</u>	<u>3.2</u>	<u>5.4</u>	<u>8.7</u>	<u>1.3</u>				
Over/Under			0.0	-0.8	0.1	-0.9	-1.2	-1.7	-0.6				
High Yield Bond Rank			93	97	5	96	72	96	4				
Aristotle Floating Rate Income	53,664,885	5.2	10.5	13.4	-0.8	4.6	1.6	8.3					
Credit Suisse Leveraged Loan Index			<u>11.0</u>	<u>13.0</u>	<u>-1.1</u>	<u>5.4</u>	<u>2.8</u>	<u>8.2</u>					
Over/Under			-0.5	0.4	0.3	-0.8	-1.2	0.1					
Bank Loan Rank			46	22	18	40	62	44					
Wellington LCP Legacy Portfolio	14,225	0.0											



	Allocation			Performance (%)									
	Market Value (\$)	% of Portfolio	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
U.S. Equity Composite	229,223,618	22.3	18.8	21.0	-13.8	21.8	13.6	23.5	-4.1	17.8			
CRSP U.S. Total Market TR Index			<u>23.2</u>	<u>26.0</u>	<u>-19.5</u>	<u>25.7</u>	<u>21.0</u>	<u>30.8</u>	<u>-5.2</u>	<u>21.2</u>			
Over/Under			-4.4	-5.0	5.7	-3.9	-7.4	-7.3	1.1	-3.4			
eV All US Equity Rank			35	40	39	70	55	78	29	56			
Vanguard Total Stock Market Fund	114,451,746	11.2	23.3	26.0	-19.5	25.7	21.0	30.7	-5.2	21.2			
CRSP U.S. Total Market TR Index			<u>23.2</u>	<u> 26.0</u>	<u>-19.5</u>	<u>25.7</u>	<u>21.0</u>	<u>30.8</u>	<u>-5.2</u>	<u>21.2</u>			
Over/Under			0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0			
All Cap Rank			29	25	62	47	35	36	39	42			
Parametric Defensive Equity	114,771,872	11.2	15.0	16.9	-7.7	17.2	5.0	16.0	-2.9				
50% S&P 500/50% 90 Day T-Bill			<u>14.9</u>	<u>15.5</u>	<u>-8.2</u>	<u>13.7</u>	<u> 10.1</u>	<u>16.3</u>	<u>-1.0</u>				
Over/Under			0.1	1.4	0.5	3.5	-5.1	-0.3	-1.9				
Global Equity Composite	503,873,497	49.1	13.8	20.2	-12.8	19.0	12.4	27.1	-6.2	23.6	8.7	-2.6	5.0
MSCI AC World Index (Net)			<u> 19.4</u>	<u>22.2</u>	<u>-18.4</u>	<u> 18.5</u>	<u>16.3</u>	<u> 26.6</u>	<u>-9.4</u>	<u>24.0</u>	<u>7.9</u>	<u>-2.4</u>	<u>4.2</u>
Over/Under			-5.6	-2.0	5.6	0.5	-3.9	0.5	3.2	-0.4	8.0	-0.2	8.0
eV Global All Cap Equity Rank			56	45	29	41	65	49	23	54	30	69	31
Dodge & Cox	202,048,863	19.7	14.1	20.3	-5.8	20.8	6.0	23.8	-12.6	21.5	17.1	-8.0	7.0
MSCI AC World Index Value (Net)			<u>13.9</u>	<u>11.8</u>	<u>-7.5</u>	<u> 19.6</u>	<u>-0.3</u>	<u> 20.6</u>	<u>-10.8</u>	<u> 18.3</u>	<u>12.6</u>	<u>-6.3</u>	<u>2.9</u>
Over/Under			0.2	8.5	1.7	1.2	6.3	3.2	-1.8	3.2	4.5	-1.7	4.1
Global Large-Stock Value Rank			43	20	34	32	44	30	70	27	7	94	16
Walter Scott & Partners	248,476,865	24.2	13.5	23.1	-19.6	18.7	18.9	30.5	-2.3	26.1	6.5	8.0	3.8
MSCI World Growth (Net)			<u> 26.4</u>	<u>37.0</u>	<u>-29.2</u>	<u>21.2</u>	<u>33.8</u>	<u>33.7</u>	<u>-6.7</u>	<u>28.0</u>	<u>2.8</u>	<u>3.1</u>	<u>6.1</u>
Over/Under			-12.9	-13.9	9.6	-2.5	-14.9	-3.2	4.4	-1.9	3.7	-2.3	-2.3
eV Global All Cap Growth Eq Rank			54	43	19	23	90	57	19	72	16	62	35
Vanguard Global Minimum Volatility	53,347,769	5.2	13.4	8.0	-4.5	12.0	-3.9	22.7	-1.7				
MSCI AC World Minimum Volatility Index (Net)			<u>9.1</u>	<u>7.7</u>	<u>-10.3</u>	<u>13.9</u>	<u>2.7</u>	<u>21.1</u>	<u>-1.6</u>				
Over/Under			4.3	0.3	5.8	-1.9	-6.6	1.6	-0.1				
eV Global Low Volatility Equity Rank			25	66	8	80	81	24	9				





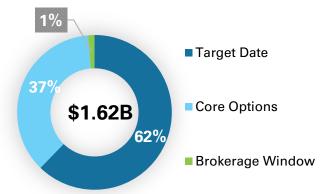
**MEMORIAL** HEALTHCARE **SYSTEM DEFINED** CONTRIBUTION **PLANS** 

Q2 2024

# **EXECUTIVE SUMMARY**

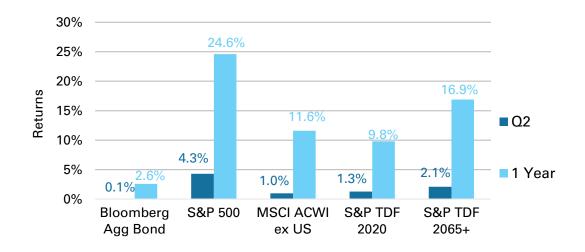
# AS OF JUNE 30, 2024

Beginning Period Assets (4/1/2024)	\$1.57 billion
End Period Assets (6/30/2024)	\$1.62 billion



Assets inclusive of Memorial Health's Defined Contribution Plans

# Capital Market Performance Summary Indexes Common to DC Plans



### Manager Due Diligence

There were several manager announcements from your DC Plan managers this quarter, as summarized in the Due Diligence Events Summary of this report.

No Plan investments currently have NEPC Status advisements.

### Recent Actions | Recommendations

NEPC has no additional recommendations to the Defined Contribution portfolios at this time.



# **LEGAL & REGULATORY UPDATE**



# Final Regulation "Fiduciary Rule"

- On April 23, 2024, the Department of Labor (DOL) issued a final "*Retirement Security Rule: Definition of an Investment Advice Fiduciary* " (aka *the Fiduciary Rule*) which is the latest attempt to update ERISA's language from 1975 on what constitutes a Fiduciary
- This regulation has an effective date of **September 23, 2024**; full compliance will be required one year later (September 23, 2025)
- Previous attempts by the DOL have been challenged and struck down (which is what happened when the 2016 Fiduciary Rule was vacated by the 5<sup>th</sup> District Court in 2018) and there has already been multiple lawsuits filed that are attempting to block this regulation before the September effective date
  - (7/26/24 Update) Two federal judges in Texas have granted a "Motion to Stay" in separate lawsuits to temporarily block the rule before the effective date
- One of the more notable portions of the rule is that the DOL is updating language to ensure that all
   "professional" recommendations on rollovers/distributions are classified as a fiduciary activity (current regulation has an exemption for one time advice and classifies fiduciaries as those "providing regular advice")
  - The term "professional" was added to the rule so that **plan sponsor employees aren't** considered fiduciaries when interacting with plan participants (i.e., human resources)
- The DOL considers a recommendation to be a communication that could reasonably be viewed as a "call to action"
- The rule is intended to align with the **SEC "Best Interest"** standard but expands beyond SEC regulated investments (i.e., insurance and annuity products which are not covered by the SEC's rule)



# **LEGAL & REGULATORY UPDATE**



# **New Managed Accounts Lawsuit**

- On May 24, 2024, a participant in the \$5.3 billion (15k + participant) Bechtel Trust and Thrift Plan sued its fiduciaries in the Eastern District of Virginia (Hanigan v. Bechtel Global Corp) for being automatically defaulted into the Plan's Managed Accounts Program (Empower PMP) which is used as the Plan's QDIA
- The participant alleges that she did not fill out a questionnaire to receive personalized advice from Empower PMP (sub-advised by Financial Engines) and thus, "were enrolled in essentially very expensive and imprudent TDFs"
- The lawsuit doesn't detail the managed account fee schedule however it **estimates losses at** \$4.7 million annually and \$23.5 million total for the class period (from 2018-2022)
- This case includes significant detail on the growth of managed accounts in the last few years (using 5500 data) for both Fidelity and Empower recordkeeping clients; which could suggest there are more cases to come
- This case and the ongoing AT&T case (which focused on direct and indirect compensation) should reinforce the importance of fiduciaries understanding fees and revenues beyond the participant fee schedule (i.e., asking for detail on revenue splits between the provider and record keeper, revenue generated by managed accounts etc.)



# **ASSET ALLOCATION**

Asset Alloca	tic
62.3%	
0.1%	
1.7% 9.6% 7:7%	
<del>1</del> : <b>5</b> %	
5.6%	
2.6%	
1.3%	
2.2%	

	Current (\$)	Current (%)
■ JPMorgan Target Date Funds	1,007,191,322	62.3
■ Transamerica Stable Value	825,095	0.1
■ Transamerica Guaranteed Investment Option	141,216,904	8.7
Dodge & Cox Income X (DOXIX)	27,441,987	1.7
Fidelity US Bond Index (FXNAX)	9,690,517	0.6
Fidelity Inflation Protected Bond Index (FIPDX)	16,882,856	1.0
■ American Beacon Large Cap Value Fund (AALRX)	25,369,482	1.6
■ Fidelity Spartan 500 Index (FXAIX)	124,829,721	7.7
■ Fidelity Large Cap Growth Index (FSPGX)	90,523,848	5.6
■ Fidelity Extended Market Index (FSMAX)	42,299,059	2.6
Dimensional US Targeted Value Strategy (DFFVX)	20,387,629	1.3
■ T. Rowe Price New Horizons (PRJIX)	36,290,286	2.2
■ Vanguard International-Growth (VWILX)	38,950,840	2.4
Fidelity Global ex US Index (FSGGX)	13,769,092	0.9
■ Charles Schwab Personal Choice	21,331,885	1.3
Total Fund Composite	1,617,000,523	100.0

Current



	Total Fund	d
	\$	%
Total Fund Composite	1,345,582,191	100.0
JP Morgan Target Date Funds	826,523,480	61.4
JPMorgan SmartRetirement Blend Income (JIYBX)	40,820,896	3.0
JPMorgan SmartRetirement Blend 2020 (JSYRX)	66,853,544	5.0
JPMorgan SmartRetirement Blend 2025 (JBYSX)	130,620,502	9.7
JPMorgan SmartRetirement Blend 2030 (JRBYX)	141,602,259	10.5
JPMorgan SmartRetirement Blend 2035 (JPYRX)	124,192,314	9.2
JPMorgan SmartRetirement Blend 2040 (JOBYX)	95,839,177	7.1
JPMorgan SmartRetirement Blend 2045 (JMYAX)	85,316,445	6.3
JPMorgan SmartRetirement Blend 2050 (JNYAX)	77,048,432	5.7
JPMorgan SmartRetirement Blend 2055 (JTYBX)	40,396,553	3.0
JPMorgan SmartRetirement Blend 2060 (JAAYX)	21,048,852	1.6
JPMorgan SmartRetirement Blend 2065 (JSBYX)	2,784,505	0.2
Core Funds	500,954,473	37.2
Transamerica Stable Value	680,336	0.1
Transamerica Guaranteed Investment Option	129,932,478	9.7
Dodge & Cox Income X (DOXIX)	22,533,416	1.7
Fidelity US Bond Index (FXNAX)	8,417,351	0.6
Fidelity Inflation Protected Bond Index (FIPDX)	14,035,079	1.0
American Beacon Large Cap Value Fund (AALRX)	22,228,938	1.7
Fidelity Spartan 500 Index (FXAIX)	102,089,308	7.6
Fidelity Large Cap Growth Index (FSPGX)	72,740,359	5.4
Fidelity Extended Market Index (FSMAX)	35,597,278	2.6
Dimensional US Targeted Value Strategy (DFFVX)	17,295,674	1.3
T. Rowe Price New Horizons (PRJIX)	30,540,432	2.3
Vanguard International-Growth (VWILX)	32,545,840	2.4
Fidelity Global ex US Index (FSGGX)	12,317,985	0.9
Brokerage	18,104,239	1.3
Charles Schwab Personal Choice	18,104,239	1.3



	Total Fun	d
	\$	%
Total Fund Composite	105,234,278	100.0
JPMorgan Target Date Funds	88,815,365	84.4
JPMorgan SmartRetirement Blend Income (JIYBX)	1,133,346	1.1
JPMorgan SmartRetirement Blend 2020 (JSYRX)	2,461,818	2.3
JPMorgan SmartRetirement Blend 2025 (JBYSX)	6,266,257	6.0
JPMorgan SmartRetirement Blend 2030 (JRBYX)	8,466,869	8.0
JPMorgan SmartRetirement Blend 2035 (JPYRX)	11,315,307	10.8
JPMorgan SmartRetirement Blend 2040 (JOBYX)	11,718,649	11.1
JPMorgan SmartRetirement Blend 2045 (JMYAX)	14,473,339	13.8
JPMorgan SmartRetirement Blend 2050 (JNYAX)	15,557,649	14.8
JPMorgan SmartRetirement Blend 2055 (JTYBX)	11,392,767	10.8
JPMorgan SmartRetirement Blend 2060 (JAAYX)	5,331,282	5.1
JPMorgan SmartRetirement Blend 2065 (JSBYX)	698,081	0.7
Core Funds	16,418,913	15.6
Transamerica Stable Value	54,569	0.1
Transamerica Guaranteed Investment Option	1,267,480	1.2
Dodge & Cox Income X (DOXIX)	265,989	0.3
Fidelity US Bond Index (FXNAX)	642,262	0.6
Fidelity Inflation Protected Bond Index (FIPDX)	574,006	0.5
American Beacon Large Cap Value Fund (AALRX)	908,106	0.9
Fidelity Spartan 500 Index (FXAIX)	4,225,464	4.0
Fidelity Large Cap Growth Index (FSPGX)	3,203,475	3.0
Fidelity Extended Market Index (FSMAX)	1,099,266	1.0
Dimensional US Targeted Value Strategy (DFFVX)	855,121	0.8
T. Rowe Price New Horizons (PRJIX)	817,791	0.8
Vanguard International-Growth (VWILX)	1,115,970	1.1
Fidelity Global ex US Index (FSGGX)	1,389,415	1.3
Brokerage		0.0
Charles Schwab Personal Choice		0.0



	Total Fun	nd
	\$	%
Total Fund Composite	140,062,464	100.0
JPMorgan Target Date Funds	68,906,539	49.2
JPMorgan SmartRetirement Blend Income (JIYBX)	3,918,298	2.8
JPMorgan SmartRetirement Blend 2020 (JSYRX)	5,427,735	3.9
JPMorgan SmartRetirement Blend 2025 (JBYSX)	11,906,888	8.5
JPMorgan SmartRetirement Blend 2030 (JRBYX)	12,009,340	8.6
JPMorgan SmartRetirement Blend 2035 (JPYRX)	10,623,861	7.6
JPMorgan SmartRetirement Blend 2040 (JOBYX)	8,096,656	5.8
JPMorgan SmartRetirement Blend 2045 (JMYAX)	8,215,520	5.9
JPMorgan SmartRetirement Blend 2050 (JNYAX)	6,056,962	4.3
JPMorgan SmartRetirement Blend 2055 (JTYBX)	1,920,894	1.4
JPMorgan SmartRetirement Blend 2060 (JAAYX)	720,419	0.5
JPMorgan SmartRetirement Blend 2065 (JSBYX)	9,967	0.0
Core Funds	67,928,278	48.5
Transamerica Stable Value	2,271	0.0
Transamerica Guaranteed Investment Option	9,732,418	6.9
Dodge & Cox Income X (DOXIX) - 457(b) Retirement Plan	4,536,292	3.2
Fidelity US Bond Index (FXNAX) - 457(b) Plan	630,904	0.5
Fidelity Inflation Protected Bond Index (FIPDX)	1,917,924	1.4
American Beacon Large Cap Value Fund (AALRX)	2,164,588	1.5
Fidelity Spartan 500 Index (FXAIX)	17,185,062	12.3
Fidelity Large Cap Growth Index (FSPGX)	14,024,688	10.0
Fidelity Extended Market Index (FSMAX)	5,492,257	3.9
Dimensional US Targeted Value Strategy (DFFVX)	2,236,834	1.6
T. Rowe Price New Horizons (PRJIX)	4,720,013	3.4
Vanguard International-Growth (VWILX)	5,223,335	3.7
Fidelity Global ex US Index (FSGGX)	61,693	0.0
Brokerage	3,227,646	2.3
Charles Schwab Personal Choice	3,227,646	2.3



	Total Fund			
	\$	%		
Total Fund Composite	26,121,590	100.0		
JPMorgan Target Date Funds	22,945,938	87.8		
JPMorgan SmartRetirement Blend Income (JIYBX)	244,089	0.9		
JPMorgan SmartRetirement Blend 2020 (JSYRX)	267,352	1.0		
JPMorgan SmartRetirement Blend 2025 (JBYSX)	7,031,230	26.9		
JPMorgan SmartRetirement Blend 2030 (JRBYX)	7,620,044	29.2		
JPMorgan SmartRetirement Blend 2035 (JPYRX)	4,265,231	16.3		
JPMorgan SmartRetirement Blend 2040 (JOBYX)	2,231,167	8.5		
JPMorgan SmartRetirement Blend 2045 (JMYAX)	1,244,894	4.8		
JPMorgan SmartRetirement Blend 2050 (JNYAX)	41,931	0.2		
JPMorgan SmartRetirement Blend 2055 (JTYBX)		0.0		
JPMorgan SmartRetirement Blend 2060 (JAAYX)		0.0		
JPMorgan SmartRetirement Blend 2065 (JSBYX)		0.0		
Core Funds	3,175,652	12.2		
Transamerica Stable Value	87,920	0.3		
Transamerica Guaranteed Investment Option	284,529	1.1		
Dodge & Cox Income X (DOXIX)	106,290	0.4		
Fidelity US Bond Index (FXNAX)		0.0		
Fidelity Inflation Protected Bond Index (FIPDX)	355,847	1.4		
American Beacon Large Cap Value Fund (AALRX)	67,850	0.3		
Fidelity Spartan 500 Index (FXAIX)	1,329,887	5.1		
Fidelity Large Cap Growth Index (FSPGX)	555,326	2.1		
Fidelity Extended Market Index (FSMAX)	110,258	0.4		
Dimensional US Targeted Value Strategy (DFFVX)		0.0		
T. Rowe Price New Horizons (PRJIX)	212,051	0.8		
Vanguard International-Growth (VWILX)	65,695	0.3		
Fidelity Global ex US Index (FSGGX)		0.0		
Brokerage		0.0		
Charles Schwab Personal Choice		0.0		



	Allocati		Performance (%)						
	Market	% of	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	Value (\$)	Portfolio	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Total Fund Composite	1,617,000,523	100.0							
JPMorgan Target Date Funds	1,007,191,322	62.3							
JPMorgan SmartRetirement Blend Income (JIYBX)	46,116,628	2.9	1.2 (6)	4.4 (23)	9.6 (21)	0.9 (36)	4.2 (56)	4.4 (76)	4.2 (83)
S&P Target Date Retirement Income Index			1.1	3.5	8.2	1.1	3.9	4.2	3.9
Target-Date 2000-2010 Median			1.0	3.5	8.4	0.8	4.4	4.6	4.4
JPMorgan SmartRetirement Blend 2020 (JSYRX)	75,010,449	4.6	<b>1.2</b> (15)	4.5 (46)	9.7 (48)	<b>1.0</b> (43)	<b>4.4</b> (79)	<b>4.8</b> (78)	<b>4.7</b> (81)
S&P Target Date 2020 Index			1.3	4.5	9.8	1.8	5.3	5.5	5.2
Target-Date 2020 Median			1.0	4.4	9.6	0.9	5.2	5.6	5.2
JPMorgan SmartRetirement Blend 2025 (JBYSX)	155,824,877	9.6	1.3 (16)	4.9 (54)	10.4 (53)	<b>1.2</b> (52)	<b>5.3</b> (73)	<b>5.6</b> (77)	<b>5.4</b> (66)
S&P Target Date 2025 Index			1.3	4.8	10.3	2.1	6.1	6.2	5.8
Target-Date 2025 Median			1.1	5.0	10.5	1.2	5.9	6.1	5.7
JPMorgan SmartRetirement Blend 2030 (JRBYX)	169,698,512	10.5	1.5 (11)	6.0 (45)	12.1 (47)	<b>2.0</b> (38)	<b>6.5</b> (70)	<b>6.6</b> (77)	<b>6.2</b> (65)
S&P Target Date 2030 Index			1.4	5.7	11.8	2.8	7.0	7.0	6.5
Target-Date 2030 Median			1.2	6.0	12.0	1.8	6.8	7.0	6.3
JPMorgan SmartRetirement Blend 2035 (JPYRX)	150,396,713	9.3	1.7 (16)	7.2 (48)	13.8 (46)	<b>2.9</b> (29)	<b>7.6</b> (67)	<b>7.5</b> (73)	<b>7.0</b> (54)
S&P Target Date 2035 Index			1.6	6.9	13.6	3.5	8.1	7.9	7.2
Target-Date 2035 Median			1.4	7.2	13.6	2.6	7.8	7.7	7.0
JPMorgan SmartRetirement Blend 2040 (JOBYX)	117,885,649	7.3	1.9 (18)	8.2 (50)	15.1 (51)	<b>3.6</b> (34)	<b>8.5</b> (61)	<b>8.2</b> (68)	<b>7.5</b> (58)
S&P Target Date 2040 Index			1.8	7.9	15.1	4.2	8.9	8.6	7.7
Target-Date 2040 Median			1.6	8.2	15.1	3.3	8.7	8.4	7.6
JPMorgan SmartRetirement Blend 2045 (JMYAX)	109,250,199	6.8	2.0 (28)	8.9 (57)	16.1 (58)	4.1 (34)	9.1 (67)	<b>8.7</b> (71)	<b>7.9</b> (61)
S&P Target Date 2045 Index			1.8	8.5	15.9	4.6	9.4	9.0	8.0
Target-Date 2045 Median			1.8	9.3	16.5	3.8	9.4	9.0	8.0
JPMorgan SmartRetirement Blend 2050 (JNYAX)	98,704,974	6.1	2.1 (29)	9.3 (58)	16.5 (65)	4.2 (41)	9.3 (78)	8.8 (81)	8.0 (71)
S&P Target Date 2050 Index			2.0	8.9	16.5	4.9	9.7	9.2	8.2
Target-Date 2050 Median			1.8	9.5	17.0	4.1	9.6	9.1	8.2
JPMorgan SmartRetirement Blend 2055 (JTYBX)	53,710,215	3.3	2.1 (31)	9.3 (64)	16.6 (67)	4.3 (43)	9.3 (81)	<b>8.8</b> (87)	8.0 (74)
S&P Target Date 2055 Index			1.9	8.9	16.5	4.9	9.8	9.3	8.3
Target-Date 2055 Median			1.8	9.7	17.2	4.2	9.7	9.3	8.2
JPMorgan SmartRetirement Blend 2060 (JAAYX)	27,100,553	1.7	2.1 (27)	9.3 (66)	16.6 (71)	4.3 (38)			
S&P Target Date 2060 Index			1.9	8.9	16.5	4.9			
Target-Date 2060 Median			1.8	9.7	17.2	4.2			



	Allocation	Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,492,553	0.2	2.0 (19)	9.4 (34)	16.5 (45)	( )			
S&P Target Date 2065+ Index			2.1	9.2	16.9				
Target-Date 2065+ Median			1.6	9.1	16.2				



	Allocation				Performance (%)					
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	
Core Funds	574,708,223	35.5								
Transamerica Stable Value	825,095	0.1	0.6	1.3	2.6	2.0	1.7	1.6	1.4	
90 Day U.S. Treasury Bill			1.3	2.6	5.4	3.0	2.2	2.1	1.5	
Transamerica Guaranteed Investment Option	141,216,904	8.7	0.6	1.3	2.6	2.4	2.2	1.9	1.6	
90 Day U.S. Treasury Bill			1.3	2.6	5.4	3.0	2.2	2.1	1.5	
Dodge & Cox Income X (DOXIX)	27,441,987	1.7	0.5 (17)	0.2 (42)	4.7 (22)	-1.3 (7)	1.5 (6)	2.2 (6)	2.4 (7)	
Blmbg. U.S. Aggregate Index			0.1	-0.7	2.6	-3.0	-0.2	0.9	1.3	
Intermediate Core-Plus Bond Median			0.3	0.1	3.8	-2.9	0.2	1.1	1.6	
Fidelity US Bond Index (FXNAX)	9,690,517	0.6	0.2 (54)	-0.6 (61)	<b>2.7</b> (62)	-3.0 (44)	-0.2 (51)	0.9 (48)	1.3 (48)	
Blmbg. U.S. Aggregate Index			0.1	-0.7	2.6	-3.0	-0.2	0.9	1.3	
Intermediate Core Bond Median			0.2	-0.4	2.9	-3.1	-0.2	0.8	1.3	
Fidelity Inflation Protected Bond Index (FIPDX)	16,882,856	1.0	1.0 (17)	0.9 (36)	2.7 (53)	-1.4 (41)	2.0 (44)	<b>2.4</b> (37)	1.9 (23)	
Blmbg. U.S. TIPS			0.8	0.7	2.7	-1.3	2.1	2.5	1.9	
Inflation-Protected Bond Median			0.8	0.8	2.7	-1.4	2.0	2.3	1.7	
American Beacon Large Cap Value Fund (AALRX)	25,369,482	1.6	<b>-1.5</b> (52)	8.2 (38)	17.4 (27)	7.4 (36)	11.0 (27)	9.8 (36)	8.7 (43)	
Russell 1000 Value Index			-2.2	6.6	13.1	5.5	9.0	8.6	8.2	
Large Value Median			-1.5	7.2	14.7	6.6	9.9	9.3	8.5	
Fidelity Spartan 500 Index (FXAIX)	124,829,721	7.7	4.3 (20)	15.3 (26)	24.6 (33)	10.0 (20)	15.0 (17)	14.3 (13)	12.8 (10)	
S&P 500 Index			4.3	15.3	24.6	10.0	15.0	14.3	12.9	
Large Blend Median			3.2	14.0	23.3	8.7	14.0	13.2	11.8	
Fidelity Extended Market Index (FSMAX)	42,299,059	2.6	-3.4 (38)	3.3 (77)	<b>15.0</b> (28)	<b>-2.5</b> (98)	8.7 (69)	8.8 (57)	8.3 (56)	
Dow Jones U.S. Completion Total Stock Market Indx			-3.4	3.3	14.7	-2.6	8.6	8.7	8.1	
Mid-Cap Blend Median			-3.5	5.2	12.9	3.8	9.5	9.0	8.5	
Dimensional US Targeted Value Strategy (DFFVX)	20,387,629	1.3	<b>-4.0</b> (51)	0.5 (53)	13.6 (27)	6.8 (13)	12.1 (14)	9.2 (10)	8.0 (15)	
Russell 2000 Value Index			-3.6	-0.8	10.9	-0.5	7.1	5.9	6.2	
Small Value Median			-4.0	0.6	11.0	2.7	8.7	6.9	6.6	
T. Rowe Price New Horizons (PRJIX)	36,290,286	2.2	<b>-8.5</b> (97)	<b>-2.9</b> (95)	1.7 (94)	<b>-9.4</b> (92)	6.4 (81)	10.9 (36)	11.0 (16)	
Russell 2000 Growth Index			-2.9	4.4	9.1	-4.9	6.2	7.3	7.4	
Mid-Cap Growth Median			-3.7	5.4	11.8	-1.6	8.8	10.5	9.7	



	Allocation								
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Vanguard International-Growth (VWILX)	38,950,840	2.4	2.4 (6)	7.8 (31)	9.0 (51)	<b>-7.2</b> (90)	<b>8.5</b> (15)	8.7 (12)	7.6 (10)
MSCI AC World ex USA (Net)			1.0	5.7	11.6	0.5	5.5	5.2	3.8
Foreign Large Growth Median			-0.1	6.2	9.1	-1.5	6.1	6.2	5.1
Fidelity Global ex US Index (FSGGX)	13,769,092	0.9	1.0 (24)	5.8 (36)	<b>11.3</b> (37)	0.5 (68)	<b>5.6</b> (68)	5.2 (62)	3.9 (65)
MSCI AC World ex USA (Net)			1.0	5.7	11.6	0.5	5.5	5.2	3.8
Foreign Large Blend Median			0.0	5.3	10.9	1.5	6.1	5.4	4.1
Brokerage	21,331,885	1.3							
Charles Schwab Personal Choice	21,331,885	1.3							

All data prior to 5/2023 was received from Marguette Associates.

Policy Index consist of 35% Bloomberg Intermediate U.S. Gov/Credit, 20% Bloomberg U.S. Intermediate Aggregate, 10% Bloomberg 1-5 Year Gov/Credit, 20% MSCI AC World Minimum Volatility Index (Net), and 15% 90 Day U.S. T-Bills.

Transamerica Stable Value Fund is not an open option for plan participants.

Assets include: Memorial Healthcare System RSP Gold 403(b) Plan, Memorial Healthcare System 401(a) Plan, Memorial Healthcare System 457(b) Plan, Memorial Healthcare System SERP 457(f) Plan

Performance is net of fees and is annualized for periods longer than one year. Performance is ranked within PARis's style-specific universes, where "1" refers to the top percentile and "100" the bottom percentile.



# **TOTAL FUND PERFORMANCE DETAIL**

	Allocation			Performance (%)							
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Total Fund Composite	1,617,000,523										
JPMorgan SmartRetirement Blend Income (JIYBX)	46,116,628		11.8	-13.7	6.3	9.6	14.1	-3.8	10.7	5.8	-0.7
S&P Target Date Retirement Income Index			10.3	-11.2	5.1	8.8	13.3	-2.5	8.5	5.0	-0.2
JPMorgan SmartRetirement Blend 2020 (JSYRX)	75,010,449		12.0	-13.7	6.4	10.1	15.5	-4.5	13.4	6.8	-0.7
S&P Target Date 2020 Index			12.3	-12.8	8.8	10.2	16.5	-4.2	12.8	7.2	-0.2
JPMorgan SmartRetirement Blend 2025 (JBYSX)	155,824,877		13.4	-15.2	9.1	11.3	18.3	-5.7	15.6	7.2	-0.7
S&P Target Date 2025 Index			13.0	-13.1	10.7	11.2	18.4	-5.0	14.6	7.8	-0.3
JPMorgan SmartRetirement Blend 2030 (JRBYX)	169,698,512		15.3	-16.1	11.3	12.2	20.4	-6.6	17.4	7.9	-0.8
S&P Target Date 2030 Index			14.8	-14.0	12.6	11.9	20.4	-6.0	16.2	8.3	-0.3
JPMorgan SmartRetirement Blend 2035 (JPYRX)	150,396,713		17.1	-16.7	14.1	12.6	22.3	-7.4	18.9	8.3	-1.0
S&P Target Date 2035 Index			16.6	-15.0	14.9	12.8	22.2	-6.9	17.8	8.9	-0.3
JPMorgan SmartRetirement Blend 2040 (JOBYX)	117,885,649		18.4	-17.2	15.9	13.0	23.8	-8.0	20.3	8.8	-1.1
S&P Target Date 2040 Index			18.2	-15.6	16.5	13.4	23.4	-7.4	18.9	9.2	-0.4
JPMorgan SmartRetirement Blend 2045 (JMYAX)	109,250,199		19.5	-17.6	17.7	13.1	24.6	-8.3	20.5	8.8	-1.0
S&P Target Date 2045 Index			19.1	-15.8	17.5	13.7	24.0	-7.7	19.6	9.5	-0.5
JPMorgan SmartRetirement Blend 2050 (JNYAX)	98,704,974		19.8	-17.6	17.8	13.4	24.6	-8.3	20.5	8.8	-1.1
S&P Target Date 2050 Index			19.6	-16.0	18.0	13.9	24.4	-7.9	20.2	9.7	-0.5
JPMorgan SmartRetirement Blend 2055 (JTYBX)	53,710,215		19.7	-17.6	17.8	13.2	24.7	-8.4	20.4	8.8	-1.0
S&P Target Date 2055 Index			19.6	-16.0	18.2	13.9	24.5	-8.0	20.5	9.9	-0.5
JPMorgan SmartRetirement Blend 2060 (JAAYX)	27,100,553		19.7	-17.4	17.8						
S&P Target Date 2060 Index			19.7	-16.0	18.0						
JPMorgan SmartRetirement Blend 2065 (JSBYX)	3,492,553		19.1								
S&P Target Date 2065+ Index			19.8								
Transamerica Stable Value	825,095		2.5	1.6	1.0	1.2	1.8	1.3	1.0	1.0	1.0
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0
Transamerica Guaranteed Investment Option	141,216,904		2.5	2.2	2.3	1.6	1.8	1.3	1.0	1.0	1.0
90 Day U.S. Treasury Bill			5.0	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0



# **TOTAL FUND PERFORMANCE DETAIL**

	Allocation		Performance (%)								
	Market Value (\$)	% of Portfolio	2023	2022	2021	2020	2019	2018	2017	2016	2015
Dodge & Cox Income X (DOXIX)	27,441,987		7.8	-10.8	-0.9	9.5	9.7	-0.3	4.4	5.6	-0.6
Blmbg. U.S. Aggregate Index			5.5	-13.0	-1.5	7.5	8.7	0.0	3.5	2.6	0.5
Fidelity US Bond Index (FXNAX)	9,690,517		5.5	-13.0	-1.8	7.8	8.5	0.0	3.5	2.5	0.6
Blmbg. U.S. Aggregate Index			5.5	-13.0	-1.5	7.5	8.7	0.0	3.5	2.6	0.5
Fidelity Inflation Protected Bond Index (FIPDX)	16,882,856		3.8	-12.0	5.9	10.9	8.3	-1.4	3.0	4.9	-1.7
Blmbg. U.S. TIPS			3.9	-11.8	6.0	11.0	8.4	-1.3	3.0	4.7	-1.4
American Beacon Large Cap Value Fund (AALRX)	25,369,482		13.5	-5.2	28.0	3.4	29.7	-12.0	17.1	16.0	-6.1
Russell 1000 Value Index			11.5	-7.5	25.2	2.8	26.5	-8.3	13.7	17.3	-3.8
Fidelity Spartan 500 Index (FXAIX)	124,829,721		26.3	-18.1	28.7	18.4	31.5	-4.4	21.8	12.0	1.4
S&P 500 Index			26.3	-18.1	28.7	18.4	31.5	-4.4	21.8	12.0	1.4
Fidelity Large Cap Growth Index (FSPGX)	90,523,848		42.8	-29.2	27.6	38.4	36.4	-1.6	30.1		
Russell 1000 Growth Index			42.7	-29.1	27.6	38.5	36.4	-1.5	30.2		
Fidelity Extended Market Index (FSMAX)	42,299,059		25.4	-26.4	12.4	32.2	28.0	-9.4	18.2	16.1	-3.3
Dow Jones U.S. Completion Total Stock Market Indx			25.0	-26.5	12.4	32.2	27.9	-9.6	18.1	15.7	-3.4
Dimensional US Targeted Value Strategy (DFFVX)	20,387,629		19.3	-4.6	38.8	3.8	21.5	-15.8	9.6	26.9	-5.7
Russell 2000 Value Index			14.6	-14.5	28.3	4.6	22.4	-12.9	7.8	31.7	-7.5
T. Rowe Price New Horizons (PRJIX)	36,290,286		21.5	-36.9	9.8	57.9	37.8	4.2	31.7	7.9	4.5
Russell 2000 Growth Index			18.7	-26.4	2.8	34.6	28.5	-9.3	22.2	11.3	-1.4
Vanguard International-Growth (VWILX)	38,950,840		14.8	-30.8	-0.7	59.7	31.5	-12.6	43.2	1.8	-0.5
MSCI AC World ex USA (Net)			15.6	-16.0	7.8	10.7	21.5	-14.2	27.2	4.5	-5. <i>7</i>
Fidelity Global ex US Index (FSGGX)	13,769,092		15.6	-15.7	7.8	10.7	21.3	-13.9	27.4	4.6	-5.6
MSCI AC World ex USA (Net)			15.6	-16.0	7.8	10.7	21.5	-14.2	27.2	4.5	-5. <i>7</i>
Charles Schwab Personal Choice	21,331,885										
All data prior to E/2022 was received from Marquetta Associates											

<sup>-</sup> All data prior to 5/2023 was received from Marguette Associates



<sup>-</sup> Transamerica Stable Value Fund is not an open option for plan participants

<sup>-</sup> Assets include: Memorial Healthcare System RSP Gold 403(b) Plan, Memorial Healthcare System 401(a) Plan, Memorial Healthcare System 457(b) Plan, Memorial Healthcare System SERP 457(f Plan

<sup>-</sup> Performance is net of fees and is annualized for periods longer than one year. Performance is ranked within PARis's style-specific universes, where "1" refers to the top percentile and "100" th bottom percentile.

# **FEE SCHEDULE**

Account Name	Fee Schedule	Estimated Annual Fee (%)
Total Fund Composite		0.29
JPMorgan SmartRetirement Blend Income (JIYBX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2020 (JSYRX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2025 (JBYSX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2030 (JRBYX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2035 (JPYRX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2040 (JOBYX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2045 (JMYAX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2050 (JNYAX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2055 (JTYBX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2060 (JAAYX)	0.19 % of Assets	0.19
JPMorgan SmartRetirement Blend 2065 (JSBYX)	0.19 % of Assets	0.19
Transamerica Stable Value		
Transamerica Guaranteed Investment Option		
Dodge & Cox Income X (DOXIX)	0.33 % of Assets	0.33
Fidelity US Bond Index (FXNAX)	0.03 % of Assets	0.03
Fidelity Inflation Protected Bond Index (FIPDX)	0.05 % of Assets	0.05
American Beacon Large Cap Value Fund (AALRX)	0.58 % of Assets	0.58
Fidelity Spartan 500 Index (FXAIX)	0.02 % of Assets	0.02
Fidelity Large Cap Growth Index (FSPGX)	0.04 % of Assets	0.04
Fidelity Extended Market Index (FSMAX)	0.04 % of Assets	0.04
Dimensional US Targeted Value Strategy (DFFVX)	0.29 % of Assets	0.29
T. Rowe Price New Horizons (PRJIX)	0.65 % of Assets	0.65
Vanguard International-Growth (VWILX)	0.32 % of Assets	0.32
Fidelity Global ex US Index (FSGGX)	0.06 % of Assets	0.06
Charles Schwab Personal Choice		

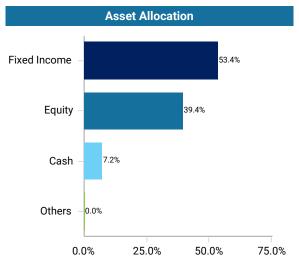
Transamerica Stable Value and Transamerica Guaranteed Investment Option use a variable spread fee



# JPMORGAN SMARTRETIREMENT® BLEND INCOMER6

### **Fund Investment Policy**

The investment seeks current income and some capital appreciation.



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Fund Name : JPMorgan SmartRetirement® Blend

IncomeR6

Fund Family: JPMorgan
Ticker: JIYBX
Inception Date: Jul-12
Portfolio Turnover: 37%

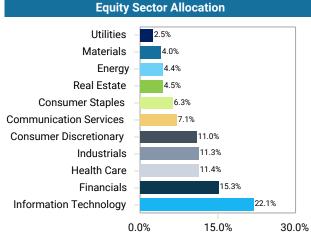
Portfolio Assets: \$627 Million

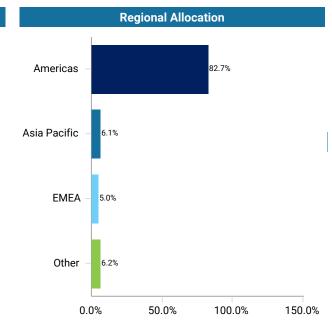
Portfolio Manager : Team Managed
PM Tenure : 11 Years 11 Months

Fund Assets: \$653 Million

Top 5	Countries
United States	82.7 %
Japan	2.7 %
United Kingdom	1.7 %
France	1.4 %
Switzerland	1.1 %
Total	89.6 %





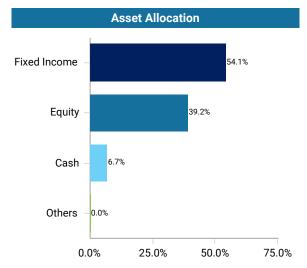




# JPMORGAN SMARTRETIREMENT® BLEND 2020 R6

### **Fund Investment Policy**

The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.

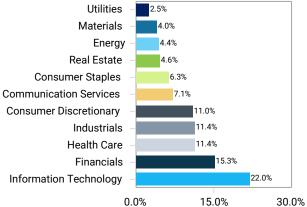


Top Ten Securities	
JPMorgan Equity Index R6	21.7 %
JPMorgan Core Plus Bond R6	10.4 %
JPMorgan BetaBuilders Intl Eq ETF	10.4 %
JPMorgan High Yield R6	5.3 %
JPMorgan Inflation Managed Bond	5.1 %
Jpmorgan Us Govt Mmkt Fund Im	4.0 %
JPMorgan BetaBuilders US Aggt Bond	3.9 %
JPMorgan BetaBuilders US Mid Cap	2.8 %
JPMorgan BetaBuilders Emerging	2.0 %
JPMorgan Emerging Markets Debt	1.9 %
Total	67.4 %

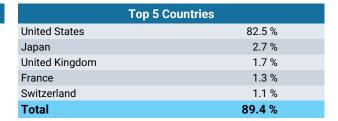
### **Fund Information**

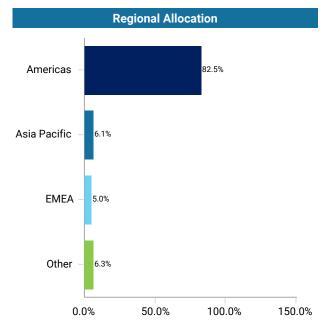
Fund Name: JPMorgan SmartRetirement® Blend 2020 R6 Portfolio Assets: \$780 Million Fund Family: JPMorgan Portfolio Manager: Team Managed **JSYRX** PM Tenure: 11 Years 11 Months Ticker: Jul-12 \$805 Million Inception Date: Fund Assets: Portfolio Turnover: 26%









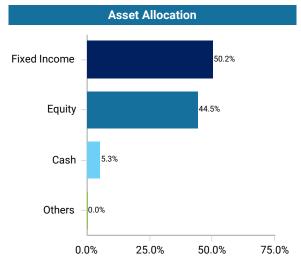




# JPMORGAN SMARTRETIREMENT® BLEND 2025 R6

### **Fund Investment Policy**

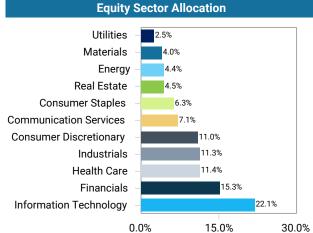
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	24.4 %
JPMorgan BetaBuilders Intl Eq ETF	11.6 %
JPMorgan Core Plus Bond R6	9.9 %
JPMorgan High Yield R6	4.7 %
JPMorgan Inflation Managed Bond	4.0 %
JPMorgan BetaBuilders US Aggt Bond	3.5 %
Jpmorgan Us Govt Mmkt Fund Im	3.2 %
JPMorgan BetaBuilders US Mid Cap	3.1 %
JPMorgan Emerging Mkts Rsrch Enh	2.1 %
JPMorgan BetaBuilders Emerging	2.1 %
Total	68.6 %

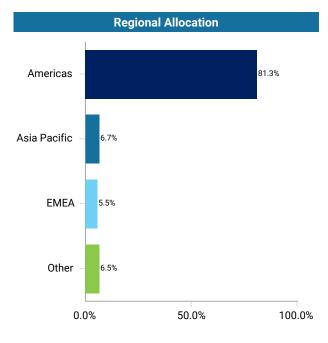
### Fund Information

Fund Name: JPMorgan SmartRetirement® Blend 2025 R6 Portfolio Assets: \$1,873 Million
Fund Family: JPMorgan Portfolio Manager: Team Managed
Ticker: JBYSX PM Tenure: 11 Years 11 Months
Inception Date: Jul-12 Fund Assets: \$1,923 Million
Portfolio Turnover: 35%





Тор	5 Countries
United States	81.3 %
Japan	3.0 %
United Kingdom	1.9 %
France	1.5 %
Switzerland	1.3 %
Total	88.8 %

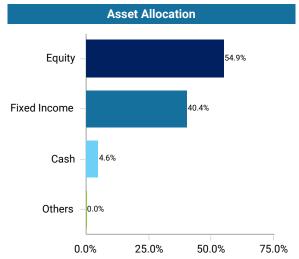




# JPMORGAN SMARTRETIREMENT® BLEND 2030 R6

### **Fund Investment Policy**

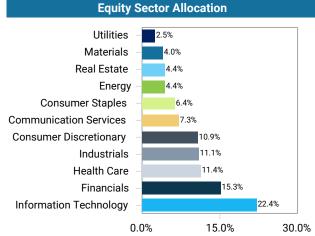
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	31.3 %
JPMorgan BetaBuilders Intl Eq ETF	14.7 %
JPMorgan Core Plus Bond R6	8.4 %
JPMorgan High Yield R6	3.5 %
JPMorgan BetaBuilders US Mid Cap	3.1 %
JPMorgan BetaBuilders US Aggt Bond	3.1 %
JPMorgan BetaBuilders Emerging	2.7 %
JPMorgan Emerging Mkts Rsrch Enh	2.6 %
Jpmorgan Us Govt Mmkt Fund Im	2.4 %
JPMorgan Inflation Managed Bond	1.5 %
Total	73.4 %

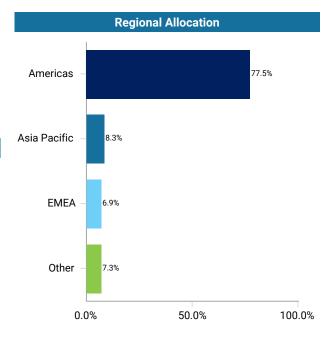
### Fund Information

Fund Name: JPMorgan SmartRetirement® Blend 2030 R6 Portfolio Assets: \$2,507 Million
Fund Family: JPMorgan Portfolio Manager: Team Managed
Ticker: JRBYX PM Tenure: 11 Years 11 Months
Inception Date: Jul-12 Fund Assets: \$2,577 Million
Portfolio Turnover: 31%





Top 5 Countries		
United States	77.5 %	
Japan	3.8 %	
United Kingdom	2.3 %	
France	1.7 %	
Switzerland	1.6 %	
Total	86.9 %	

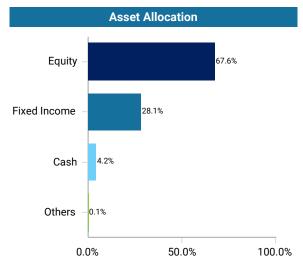




# JPMORGAN SMARTRETIREMENT® BLEND 2035 R6

### **Fund Investment Policy**

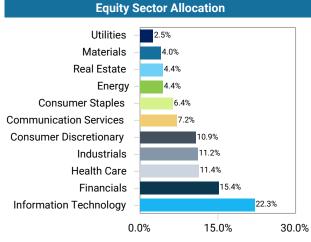
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	37.6 %
JPMorgan BetaBuilders Intl Eq ETF	17.9 %
JPMorgan Core Plus Bond R6	15.1 %
JPMorgan BetaBuilders US Mid Cap	3.9 %
JPMorgan Emerging Mkts Rsrch Enh	3.2 %
JPMorgan BetaBuilders Emerging	3.2 %
JPMorgan High Yield R6	2.6 %
JPMorgan BetaBuilders US Aggt Bond	2.5 %
JPMorgan BetaBuilders US Sml Cp	2.0 %
Jpmorgan Us Govt Mmkt Fund Im	1.6 %
Total	89.5 %

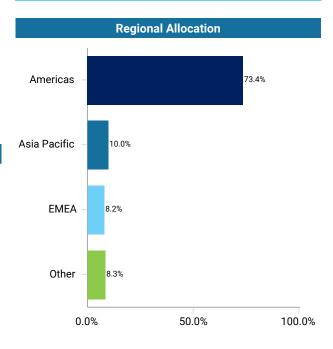
### Fund Information

Fund Name :JPMorgan SmartRetirement® Blend 2035 R6 Portfolio Assets :\$2,733 MillionFund Family :JPMorganPortfolio Manager :Team ManagedTicker :JPYRXPM Tenure :11 Years 11 MonthsInception Date :Jul-12Fund Assets :\$2,804 MillionPortfolio Turnover :25%



		Market C	apitalizatio	n	
Giant –				43.5%	
Large –			32.7%		
Medium –		16.5%			
Small –	5.8%				
Micro -	1.6%				
0.0	)%	15.0%	30.0%	45.0%	60.0%

Top 5 Countries		
United States	73.4 %	
Japan	4.6 %	
United Kingdom	2.8 %	
France	2.1 %	
Switzerland	1.9 %	
Total	84.7 %	

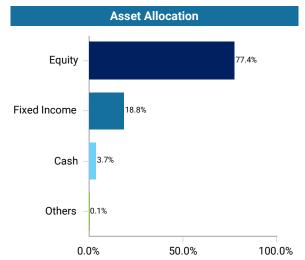




# JPMORGAN SMARTRETIREMENT® BLEND 2040 R6

### **Fund Investment Policy**

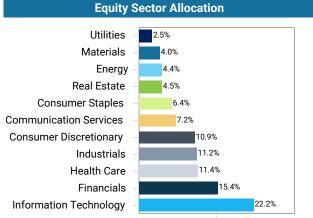
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	42.6 %
JPMorgan BetaBuilders Intl Eq ETF	20.3 %
JPMorgan Core Plus Bond R6	10.1 %
JPMorgan Core Bond R6	5.0 %
JPMorgan BetaBuilders US Mid Cap	4.6 %
JPMorgan BetaBuilders Emerging	3.6 %
JPMorgan Emerging Mkts Rsrch Enh	3.6 %
JPMorgan BetaBuilders US Sml Cp	2.3 %
JPMorgan High Yield R6	1.8 %
Jpmorgan Us Govt Mmkt Fund Im	1.7 %
Total	95.6 %

### Fund Information

Fund Name: JPMorgan SmartRetirement® Blend 2040 R6 Portfolio Assets: \$2,499 Million
Fund Family: JPMorgan Portfolio Manager: Team Managed
Ticker: JOBYX PM Tenure: 11 Years 11 Months
Inception Date: Jul-12 Fund Assets: \$2,557 Million
Portfolio Turnover: 22%



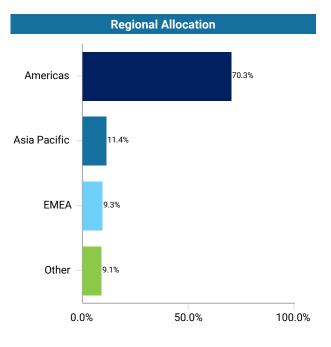
0.0%

15.0%

30.0%



Top 5 Countries		
United States	70.3 %	
Japan	5.2 %	
United Kingdom	3.2 %	
France	2.3 %	
Switzerland	2.2 %	
Total	83.1 %	

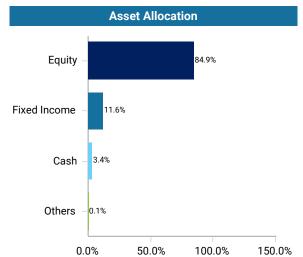




# JPMORGAN SMARTRETIREMENT® BLEND 2045 R6

### **Fund Investment Policy**

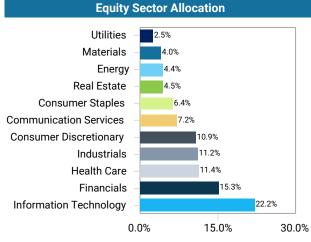
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.

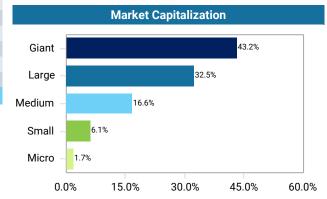


Top Ten Securities			
JPMorgan Equity Index R6	46.5 %		
JPMorgan BetaBuilders Intl Eq ETF	22.2 %		
JPMorgan Core Plus Bond R6	6.2 %		
JPMorgan BetaBuilders US Mid Cap	5.1 %		
JPMorgan BetaBuilders Emerging	4.0 %		
JPMorgan Emerging Mkts Rsrch Enh	3.9 %		
JPMorgan Core Bond R6	3.1 %		
JPMorgan BetaBuilders US Sml Cp	2.6 %		
JPMorgan US Government MMkt Morgan	1.8 %		
JPMorgan BetaBuilders MSCI US REIT	1.8 %		
Total	97.2 %		

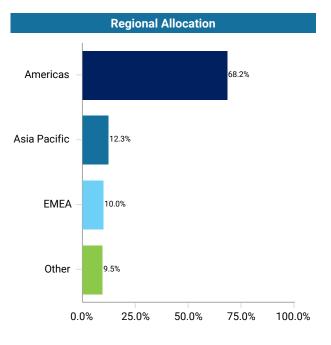
### Fund Information

Fund Name :JPMorgan SmartRetirement® Blend 2045 R6 Portfolio Assets :\$2,176 MillionFund Family :JPMorganPortfolio Manager :Team ManagedTicker :JMYAXPM Tenure :11 Years 11 MonthsInception Date :Jul-12Fund Assets :\$2,224 MillionPortfolio Turnover :22%





Top 5 Countries		
United States	68.2 %	
Japan	5.6 %	
United Kingdom	3.4 %	
France	2.4 %	
Switzerland	2.4 %	
Total	82.0 %	

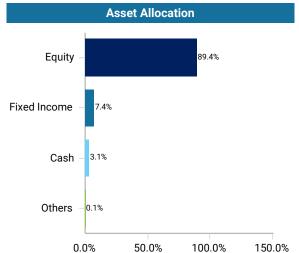




# JPMORGAN SMARTRETIREMENT® BLEND 2050 R6

### **Fund Investment Policy**

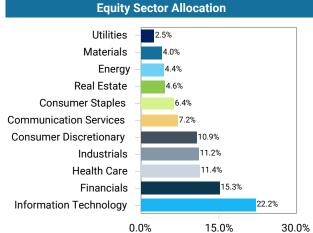
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities			
JPMorgan Equity Index R6	48.7 %		
JPMorgan BetaBuilders Intl Eq ETF	23.1 %		
JPMorgan BetaBuilders US Mid Cap	5.4 %		
JPMorgan BetaBuilders Emerging	4.1 %		
JPMorgan Emerging Mkts Rsrch Enh	4.1 %		
JPMorgan Core Plus Bond R6	3.9 %		
JPMorgan BetaBuilders US Sml Cp	2.8 %		
Jpmorgan Us Govt Mmkt Fund Im	2.2 %		
JPMorgan Core Bond R6	2.0 %		
JPMorgan BetaBuilders MSCI US REIT	1.8 %		
Total	98.1 %		

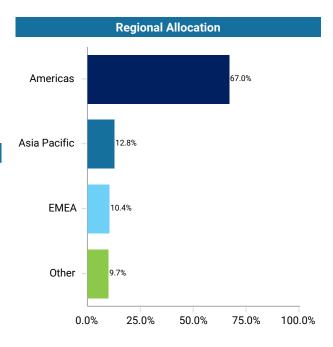
### Fund Information

Fund Name: JPMorgan SmartRetirement® Blend 2050 R6 Portfolio Assets: \$1,754 Million
Fund Family: JPMorgan Portfolio Manager: Team Managed
Ticker: JNYAX PM Tenure: 11 Years 11 Months
Inception Date: Jul-12 Fund Assets: \$1,797 Million
Portfolio Turnover: 21%



	Market Capitalization				
Giant –				43.1%	
Large –			32.5%		
Medium –		16.6%			
Small -	6.1%				
Micro -	1.7%				
0.0	)%	15.0%	30.0%	45.0%	60.0%

Top 5 Countries		
United States	67.0 %	
Japan	5.8 %	
United Kingdom	3.6 %	
France	2.5 %	
Switzerland	2.5 %	
Total	81.4 %	

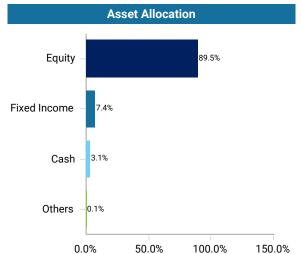




# JPMORGAN SMARTRETIREMENT® BLEND 2055 R6

### **Fund Investment Policy**

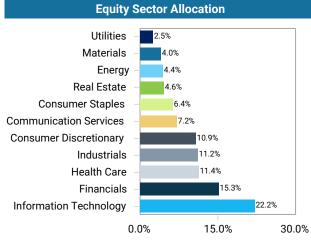
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	48.8 %
JPMorgan BetaBuilders Intl Eq ETF	23.2 %
JPMorgan BetaBuilders US Mid Cap	5.3 %
JPMorgan BetaBuilders Emerging	4.1 %
JPMorgan Emerging Mkts Rsrch Enh	4.1 %
JPMorgan Core Plus Bond R6	3.9 %
JPMorgan BetaBuilders US Sml Cp	2.8 %
Jpmorgan Us Govt Mmkt Fund Im	2.1 %
JPMorgan Core Bond R6	1.9 %
JPMorgan BetaBuilders MSCI US REIT	1.9 %
Total	98.1 %

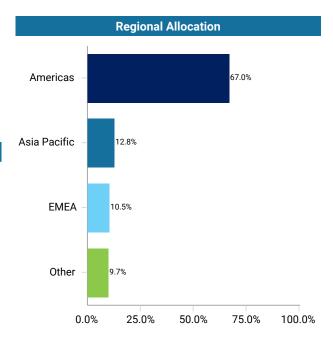
### Fund Information

Fund Name :JPMorgan SmartRetirement® Blend 2055 R6 Portfolio Assets :\$1,070 MillionFund Family :JPMorganPortfolio Manager :Team ManagedTicker :JTYBXPM Tenure :11 Years 11 MonthsInception Date :Jul-12Fund Assets :\$1,094 MillionPortfolio Turnover :19%



		Market Ca	pitalizatio	n	
Giant –				43.2%	
Large –			32.5%		
Medium –		16.6%			
Small –	6.1%	Š			
Micro -	1.7%				
0.0	)%	15.0%	30.0%	45.0%	60.0%

Тор	5 Countries
United States	67.0 %
Japan	5.8 %
United Kingdom	3.6 %
France	2.5 %
Switzerland	2.5 %
Total	81.4 %

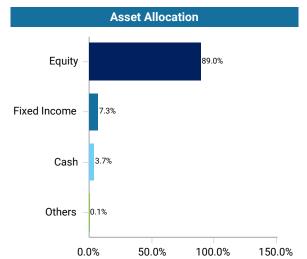




# JPMORGAN SMARTRETIREMENT® BLEND 2060 R6

### **Fund Investment Policy**

The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



Top Ten Securities	
JPMorgan Equity Index R6	48.7 %
JPMorgan BetaBuilders Intl Eq ETF	23.0 %
JPMorgan BetaBuilders US Mid Cap	5.4 %
JPMorgan BetaBuilders Emerging	4.1 %
JPMorgan Emerging Mkts Rsrch Enh	4.1 %
JPMorgan Core Plus Bond R6	4.0 %
JPMorgan BetaBuilders US Sml Cp	2.8 %
Jpmorgan Us Govt Mmkt Fund Im	2.1 %
JPMorgan Core Bond R6	2.0 %
JPMorgan BetaBuilders MSCI US REIT	1.8 %
Total	98.1 %

### Fund Information

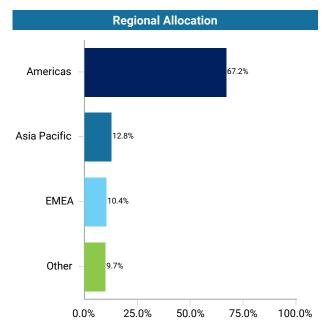
Fund Name :JPMorgan SmartRetirement® Blend 2060 R6Portfolio Assets :\$562 MillionFund Family :JPMorganPortfolio Manager :Team ManagedTicker :JAAYXPM Tenure :7 Years 10 MonthsInception Date :Aug-16Fund Assets :\$583 MillionPortfolio Turnover :18%



Utilities	- 2	2.5%	
Materials		4.0%	
Energy		4.4%	
Real Estate	-	4.6%	
Consumer Staples	-	6.4%	
Communication Services		7.2%	
Consumer Discretionary	-	10.9%	
Industrials		11.2%	
Health Care	-	11.4%	
Financials	-	15.3%	
Information Technology	-		22.2%
(	0.0%	15.0%	30.0%



Top 5 C	Countries
United States	67.2 %
Japan	5.8 %
United Kingdom	3.5 %
France	2.5 %
Switzerland	2.4 %
Total	81.5 %

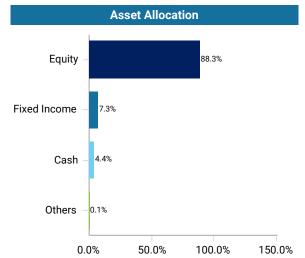




# JPMORGAN SMARTRETIREMENT® BLEND 2065 R6

### **Fund Investment Policy**

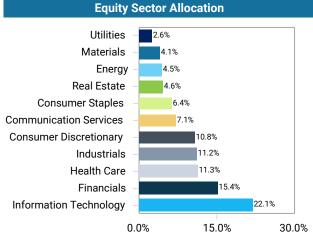
The investment seeks high total return with a shift to current income and some capital appreciation over time as the fund approaches and passes the target retirement date.



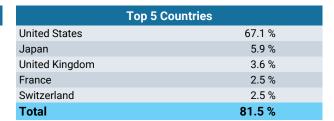
Top Ten Securities	
JPMorgan Equity Index R6	48.6 %
JPMorgan BetaBuilders Intl Eq ETF	23.1 %
SPDR® S&P MIDCAP 400 ETF Trust	5.4 %
JPMorgan Emerging Mkts Rsrch Enh	4.1 %
JPMorgan BetaBuilders Emerging	4.1 %
JPMorgan Core Plus Bond R6	3.7 %
iShares Russell 2000 ETF	2.8 %
JPMorgan US Government MMkt Morgan	2.7 %
JPMorgan BetaBuilders MSCI US REIT	1.8 %
JPMorgan Core Bond R6	1.8 %
Total	98.1 %

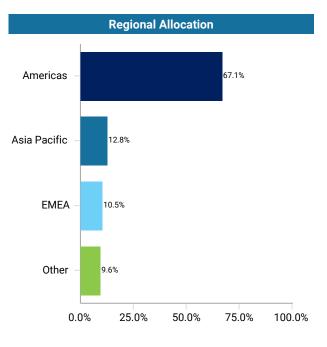
### Fund Information

Fund Name :JPMorgan SmartRetirement® Blend 2065 R6Portfolio Assets :\$31 MillionFund Family :JPMorganPortfolio Manager :Team ManagedTicker :JSBYXPM Tenure :1 Year 7 MonthsInception Date :Nov-22Fund Assets :\$31 MillionPortfolio Turnover :29%











# **DODGE & COX INCOME X**

### **Fund Information**

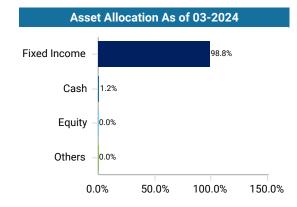
Fund Name : Dodge & Cox Income X
Fund Family : Dodge & Cox
Ticker : DOXIX
Inception Date : May-22

Portfolio Assets: \$12,269 Million
Portfolio Manager: Team Managed
PM Tenure: 35 Years 5 Months
Fund Assets: \$76,850 Million

Fund Characteristics As of 06-2024		
Avg. Coupon	4.4 %	
Avg. Effective Maturity	10.06 Years	
Avg. Effective Duration	6 Years	
Avg. Credit Quality	Α	
Yield To Maturity	5.46 %	
SEC Yield		

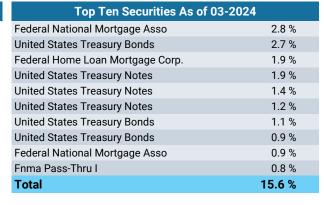
### **Fund Investment Policy**

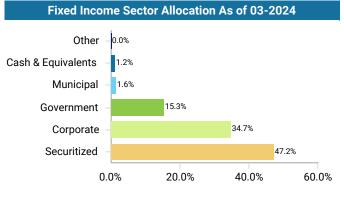
The investment seeks a high and stable rate of current income, consistent with long-term preservation of capital; a secondary objective is capital appreciation.





# Regional Allocation As of 03-2024 Americas - 86.8% EMEA - 12.6% Other - 0.6% 0.0% 50.0% 100.0% 150.0%







# FIDELITY U.S. BOND INDEX

### **Fund Information**

Fund Name : Fidelity U.S. Bond Index
Fund Family : Fidelity Investments

Ticker: FXNAX Inception Date: May-11

Portfolio Assets: \$56,656 Million

Portfolio Manager: Bettencourt,B/Munclinger,R

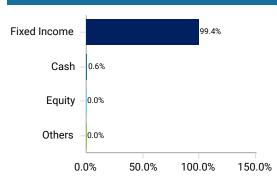
PM Tenure: 10 Years 1 Month Fund Assets: \$56.656 Million

Fund Characteristics As of 06-2024		
Avg. Coupon	3.32 %	
Avg. Effective Maturity		
Avg. Effective Duration	5.93 Years	
Avg. Credit Quality	AA	
Yield To Maturity		
SEC Yield	4.5 %	

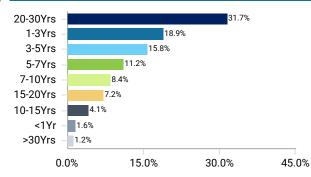
### **Fund Investment Policy**

The investment seeks to provide investment results that correspond to the aggregate price and interest performance of the debt securities in the Bloomberg U.S. Aggregate Bond Index.

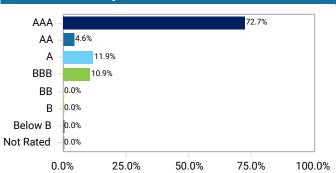
### Asset Allocation As of 04-2024



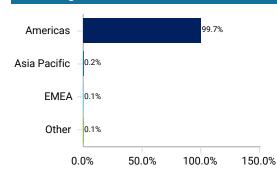
### **Maturity Distribution As of 05-2024**



### **Quality Allocation As of 05-2024**



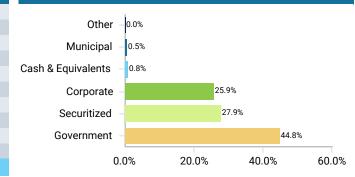
### Regional Allocation As of 05-2024



### Top Ten Securities As of 05-2024

United States Treasury Notes 4.875%	1.3 %
United States Treasury Notes 1.5%	1.1 %
United States Treasury Notes 2.75%	1.0 %
United States Treasury Notes 2.625%	1.0 %
United States Treasury Notes 4.5%	0.9 %
Federal Home Loan Mortgage Corp.	0.9 %
United States Treasury Notes 4.625%	0.8 %
Fidelity Cash Central Fund	0.8 %
United States Treasury Notes 3.875%	0.7 %
United States Treasury Notes 4.25%	0.7 %
Total	9.3 %

### Fixed Income Sector Allocation As of 05-2024





# FIDELITY INFLATION-PROT BD INDEX

### **Fund Information**

Fund Name: Fidelity Inflation-Prot Bd Index

Fund Family: Fidelity Investments

Ticker: FIPDX Inception Date: May-12

- . . .

Portfolio Assets: \$9,167 Million

Portfolio Manager: Bettencourt,B/Munclinger,R

PM Tenure: 10 Years 1 Month Fund Assets: \$9.167 Million Fund Characteristics As of 06-2024

Avg. Coupon 0.93 %

Avg. Effective Maturity

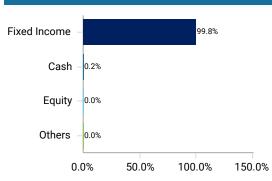
Avg. Effective Duration 6.59 Years
Avg. Credit Quality AAA

Yield To Maturity SEC Yield

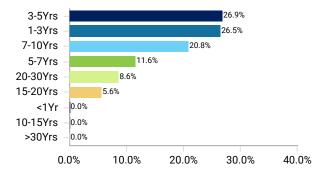
### **Fund Investment Policy**

The investment seeks to provide investment results that correspond to the total return of the inflation-protected sector of the United States Treasury market.

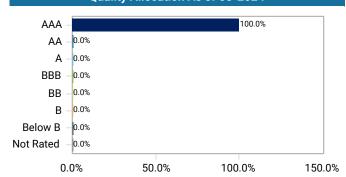
### Asset Allocation As of 04-2024



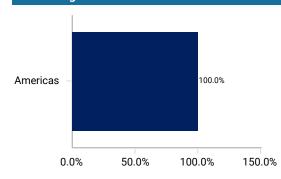
### **Maturity Distribution As of 05-2024**



### **Quality Allocation As of 05-2024**



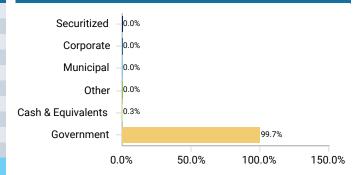
### Regional Allocation As of 05-2024



### Top Ten Securities As of 05-2024

•	
United States Treasury Notes 0.625%	4.0 %
United States Treasury Notes 0.625%	3.8 %
United States Treasury Notes 1.375%	3.8 %
United States Treasury Notes 0.125%	3.4 %
United States Treasury Notes 1.125%	3.4 %
United States Treasury Notes 0.125%	3.3 %
United States Treasury Notes 0.125%	3.3 %
United States Treasury Notes 0.125%	3.3 %
United States Treasury Notes 0.5%	3.3 %
United States Treasury Notes 0.375%	3.2 %
Total	34.9 %

### Fixed Income Sector Allocation As of 05-2024





# **AMERICAN BEACON LARGE CAP VALUE R6**

### **Fund Information**

Fund Name : American Beacon Large Cap Value R6

Fund Family: American Beacon

Ticker: AALRX Inception Date: Feb-17 Portfolio Turnover: 25%

Portfolio Assets: \$1,479 Million
Portfolio Manager: Team Managed
PM Tenure: 34 Years 6 Months
Fund Assets: \$3,456 Million

Fund Characteristics As of 06-2024

Total Securities 170

Avg. Market Cap \$70,442 Million

P/E 14.2

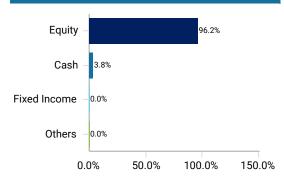
P/B 2.0

Div. Yield 2.6%

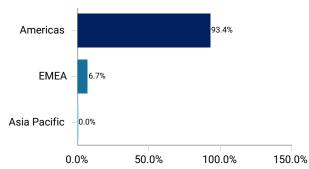
### **Fund Investment Policy**

The investment seeks long-term capital appreciation and current income.

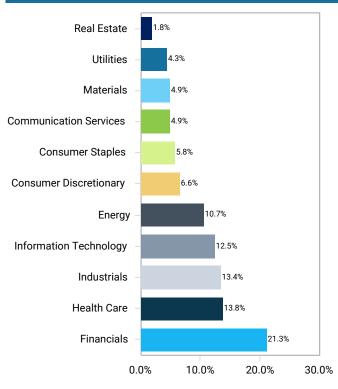
### Asset Allocation As of 04-2024



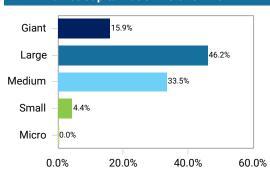
### Regional Allocation As of 04-2024



### **Equity Sector Allocation As of 04-2024**



### Market Capitalization As of 04-2024



Top Ten Securities As of 04-	-2024
Future on E-mini S&P 500 Futures	3.8 %
State Street Instl US Govt MMkt	3.6 %
Elevance Health Inc	2.4 %
Comcast Corp Class A	1.7 %
Citigroup Inc	1.7 %
Wells Fargo & Co	1.7 %
Fidelity National Information	1.6 %
JPMorgan Chase & Co	1.5 %
Pioneer Natural Resources Co	1.4 %
The Cigna Group	1.4 %
Total	20.8 %



# **FIDELITY 500 INDEX**

### **Fund Information**

Fund Name : Fidelity 500 Index
Fund Family : Fidelity Investments

Ticker: FXAIX
Inception Date: May-11
Portfolio Turnover: 2%

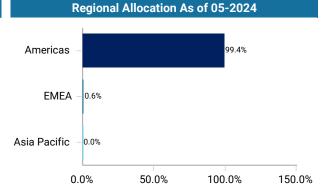
Portfolio Assets: \$561,294 Million
Portfolio Manager: Team Managed
PM Tenure: 15 Years 5 Months
Fund Assets: \$561,294 Million

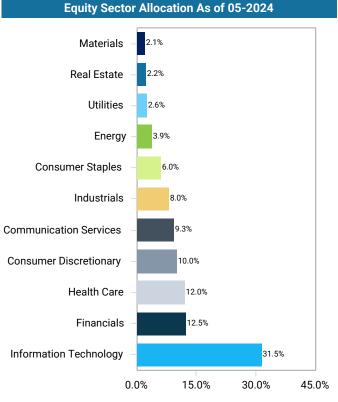
Fund Characteristics As of 06-2024			
Total Securities	507		
Avg. Market Cap	\$293,434 Million		
P/E	21.6		
P/B	4.1		
Div. Yield	1.5%		

### **Fund Investment Policy**

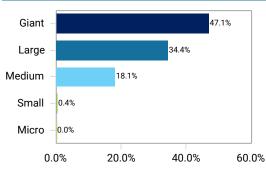
The investment seeks to provide investment results that correspond to the total return performance of common stocks publicly traded in the United States.

# Asset Allocation As of 04-2024 Equity - 100.0% Cash - 0.0% Fixed Income - 0.0% Others - 0.0% 0.0% 50.0% 100.0% 150.0%









Top Ten Securities As of 05-2024	
Microsoft Corp	7.0 %
Apple Inc	6.3 %
NVIDIA Corp	6.1 %
Amazon.com Inc	3.6 %
Meta Platforms Inc Class A	2.3 %
Alphabet Inc Class A	2.3 %
Alphabet Inc Class C	1.9 %
Berkshire Hathaway Inc Class B	1.7 %
Eli Lilly and Co	1.5 %
JPMorgan Chase & Co	1.3 %
Total	34.0 %



## FIDELITY LARGE CAP GROWTH IDX

#### **Fund Information**

Fund Name : Fidelity Large Cap Growth Idx

Fund Family: Fidelity Investments

Ticker: FSPGX Inception Date: Jun-16 Portfolio Turnover: 15%

Portfolio Assets : \$27,294 Million
Portfolio Manager : Team Managed

PM Tenure: 8 Years

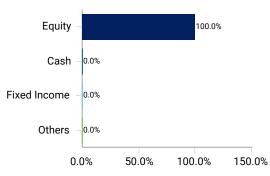
Fund Assets: \$27,294 Million

Fund Characteristics As of 06-2024		
Total Securities	446	
Avg. Market Cap	\$544,233 Million	
P/E	28.3	
P/B	9.4	
Div. Yield	0.8%	

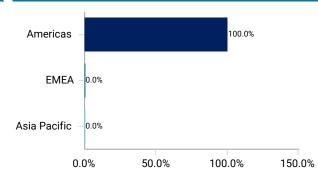
#### **Fund Investment Policy**

The investment seeks to provide investment results that correspond to the total return of stocks of large capitalization U.S. companies.

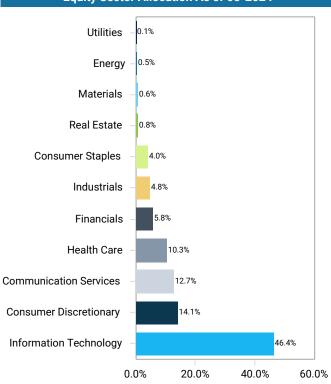
## Asset Allocation As of 04-2024



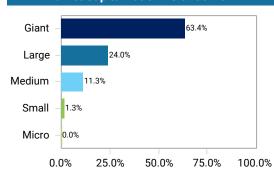
### Regional Allocation As of 05-2024



## **Equity Sector Allocation As of 05-2024**



#### Market Capitalization As of 05-2024







## FIDELITY EXTENDED MARKET INDEX

#### **Fund Information**

Fidelity Extended Market Index Fund Name:

Fund Family: Fidelity Investments

Ticker: **FSMAX** Inception Date: Sep-11 Portfolio Turnover: 9%

\$37,547 Million Portfolio Assets: Portfolio Manager: Team Managed PM Tenure: 15 Years 5 Months Fund Assets:

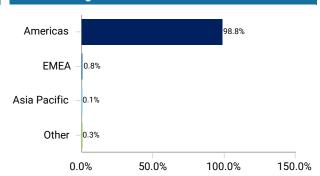
\$37.547 Million

Fund Characteristics As of 06-2024		
Total Securities	3,587	
Avg. Market Cap	\$6,937 Million	
P/E	17.5	
P/B	2.2	
Div. Yield	1.4%	

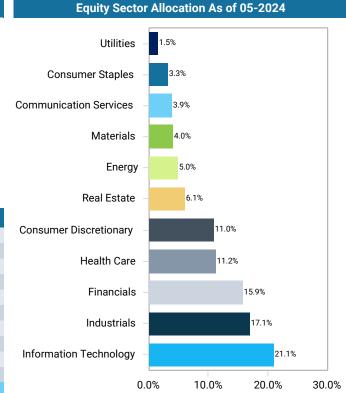
## **Fund Investment Policy**

The investment seeks to provide investment results that correspond to the total return of stocks of mid- to small-capitalization United States companies.

## Asset Allocation As of 04-2024 Equity 100.0% Cash Fixed Income Others 0.0%



Regional Allocation As of 05-2024



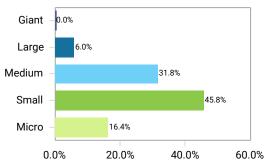


50.0%

100.0%

150.0%

0.0%



Top Ten Securities As of 05-2024	
CrowdStrike Holdings Inc Class	1.1 %
KKR & Co Inc Ordinary Shares	1.0 %
Marvell Technology Inc	0.9 %
Apollo Global Management Inc Class	0.8 %
Snowflake Inc Ordinary Shares -	0.7 %
Workday Inc Class A	0.7 %
Ferguson PLC	0.6 %
Palantir Technologies Inc Ordinary	0.6 %
The Trade Desk Inc Class A	0.6 %
Coinbase Global Inc Ordinary Shares	0.6 %
Total	7.6 %



## **DFA US TARGETED VALUE I**

#### **Fund Information**

Fund Name: DFA US Targeted Value I
Fund Family: Dimensional Fund Advisors

Ticker: DFFVX
Inception Date: Feb-00
Portfolio Turnover: 20%

Portfolio Assets: \$12,674 Million

Portfolio Manager: Fogdall,J/Leblond,M/Schneider,J

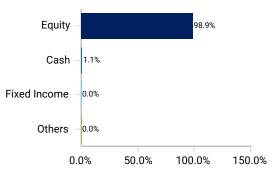
PM Tenure: 12 Years 4 Months Fund Assets: \$12,674 Million

Fund Characteristics As of 06-2024		
Total Securities	1,425	
Avg. Market Cap	\$3,453 Million	
P/E	12.0	
P/B	1.2	
Div. Yield	2.0%	

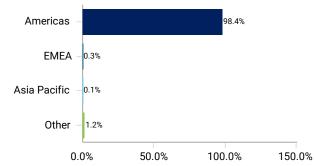
## **Fund Investment Policy**

The investment seeks long-term capital appreciation.

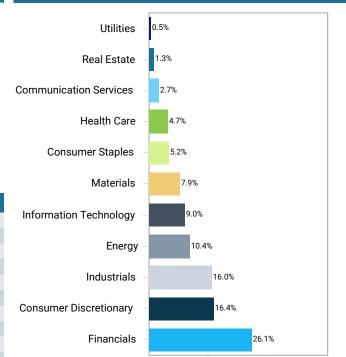
## Asset Allocation As of 04-2024



## Regional Allocation As of 05-2024



### **Equity Sector Allocation As of 05-2024**



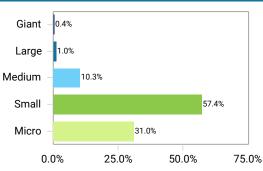
0.0%

15.0%

30.0%

45.0%





4
0.9 %
0.6 %
0.6 %
0.6 %
0.6 %
0.6 %
0.6 %
0.5 %
0.5 %
0.5 %
6.1 %



## T. ROWE PRICE NEW HORIZONS I

#### **Fund Information**

Fund Name : T. Rowe Price New Horizons I
Fund Family : T. Rowe Price

Fund Family: T. Rowe Find Find Family: PRJIX
Inception Date: Aug-15
Portfolio Turnover: 55%

Portfolio Assets: \$10,579 Million
Portfolio Manager: Spencer,J
PM Tenure: 5 Years 3 Months
Fund Assets: \$21,678 Million

 Fund Characteristics As of 06-2024

 Total Securities
 143

 Avg. Market Cap
 \$13,290 Million

 P/E
 32.8

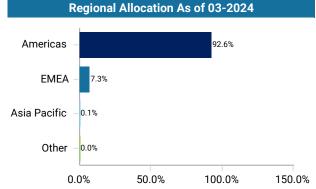
 P/B
 4.8

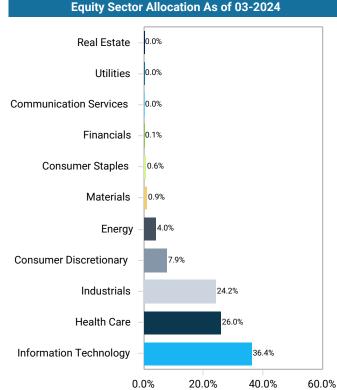
 Div. Yield
 0.3%

## **Fund Investment Policy**

The investment seeks long-term capital growth.









rop ren Securities As of 03-	2024
Aggregate Miscellaneous Equity	4.7 %
Entegris Inc	3.1 %
Ingersoll Rand Inc	2.8 %
Dayforce Inc	2.8 %
Paylocity Holding Corp	2.8 %
IDEX Corp	2.7 %
Teledyne Technologies Inc	2.6 %
Booz Allen Hamilton Holding Corp	2.6 %
HubSpot Inc	2.6 %
Saia Inc	2.5 %
Total	29.1 %

Ton Ten Securities As of 03-2024



## VANGUARD INTERNATIONAL GROWTH ADM

#### **Fund Information**

Fund Name : Vanguard International Growth Adm

Fund Family: Vanguard
Ticker: VWILX
Inception Date: Aug-01
Portfolio Turnover: 14%

Portfolio Assets: \$38,106 Million
Portfolio Manager: Team Managed
PM Tenure: 14 Years 6 Months
Fund Assets: \$45,024 Million

Fund Characteristics As of 06-2024		
Total Securities	168	
Avg. Market Cap	\$67,065 Million	
P/E	23.2	
P/B	3.4	
Div. Yield	1.2%	

## **Fund Investment Policy**

The investment seeks to provide long-term capital appreciation.



Market Capitalization As of 03-2024

24.4%

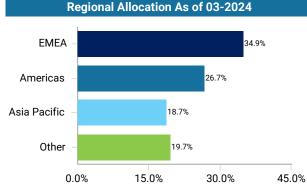
22.1%

25.0%

51.9%

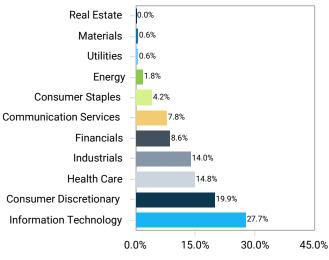
50.0%

75.0%











Giant

Large

1.7%

0.0%

0.0%

Medium

Small

Micro

## FIDELITY GLOBAL EX US INDEX

#### **Fund Information**

Fund Name : Fidelity Global ex US Index
Fund Family : Fidelity Investments

Ticker: FSGGX Inception Date: Sep-11 Portfolio Turnover: 8%

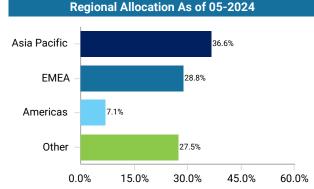
Portfolio Assets: \$10,297 Million
Portfolio Manager: Team Managed
PM Tenure: 12 Years 9 Months
Fund Assets: \$10,297 Million

Fund Characteristics As of 06-2024		
Total Securities	2,307	
Avg. Market Cap	\$49,506 Million	
P/E	13.8	
P/B	1.7	
Div. Yield	3.4%	

#### **Fund Investment Policy**

The investment seeks to provide investment results that correspond to the total return of foreign developed and emerging stock markets.

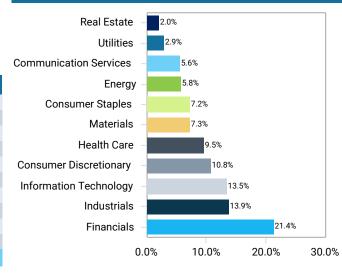
















# **OVERVIEW ELECTION THOUGHTS**

Long-term market dynamics and investor sentiment are driven by macroeconomic forces and monetary policy

Price stability and monetary policy have become increasingly important election issues

**Divided government versus single-party control of Congress** is the election outcome of most relevance for investors

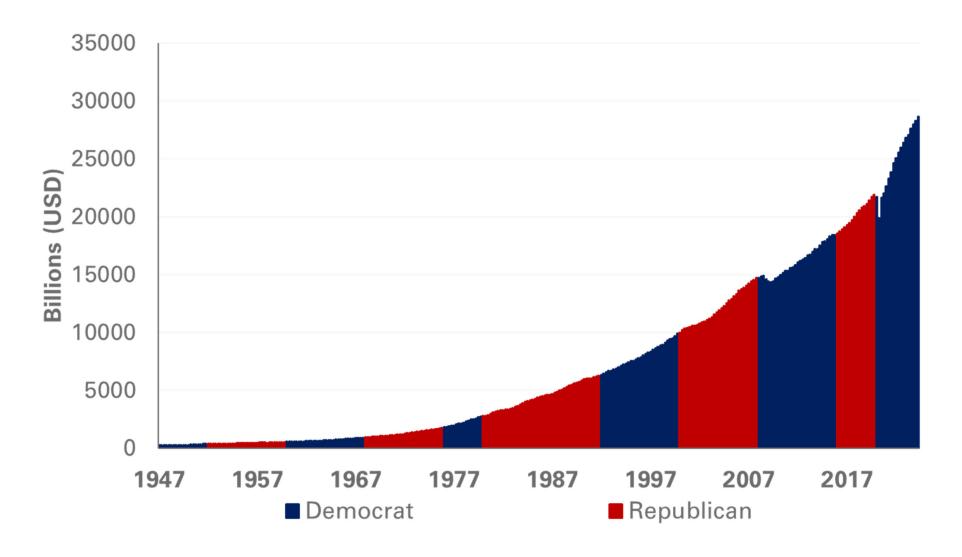
Election outcomes should not influence strategic asset allocations; the focus remains on core investment objectives





# **GROWTH IS DICTATED BY THE BUSINESS CYCLE**

## U.S. NOMINAL GDP

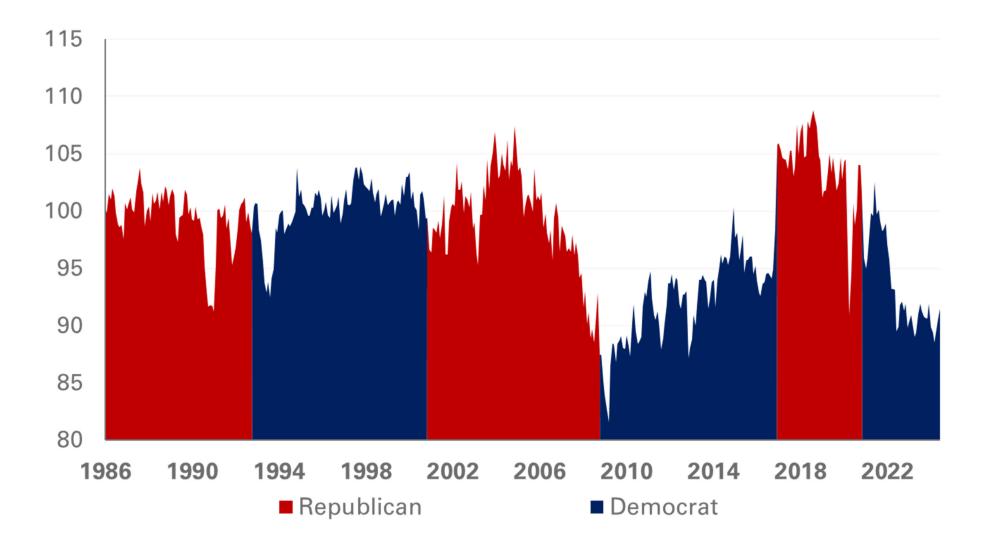




Notes: Political party defined as the President's political affiliation Sources: U.S. Bureau of Economic Analysis, White House History

# SENTIMENT IS TIED TO REGULATORY STANCE

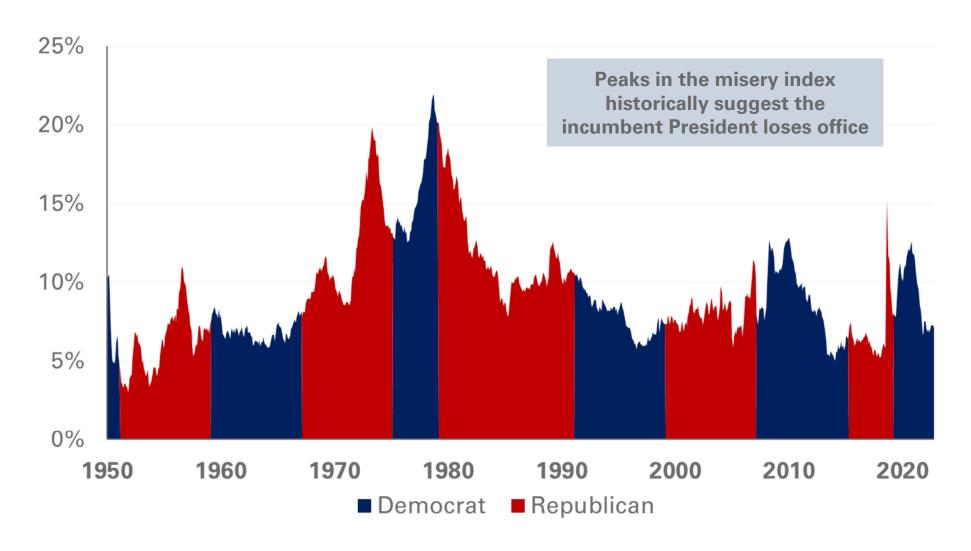
NFIB SMALL BUSINESS OPTIMISM INDEX





# **ECONOMIC "MISERY" CAN INFLUENCE VOTERS**

## U.S. MISERY INDEX

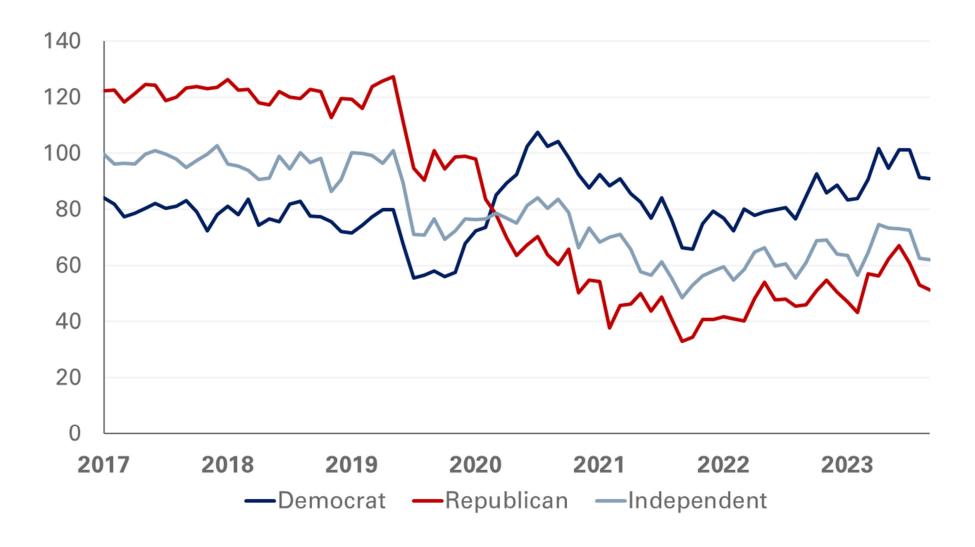




Notes: The misery index is calculated as the seasonally-adjusted unemployment rate 16+ plus the annual rate of inflation Sources: U.S. Department of Labor, FactSet

# SENTIMENT IS INFLUENCED BY THE RULING PARTY

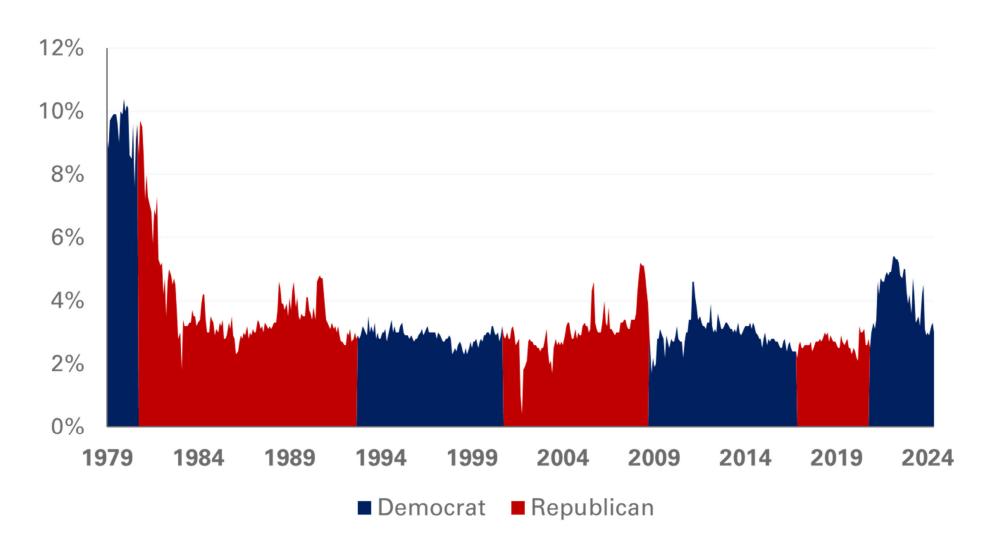
## CONSUMER SENTIMENT BY POLITICAL PARTY





# **CONSUMERS VOTE WITH THEIR WALLETS**

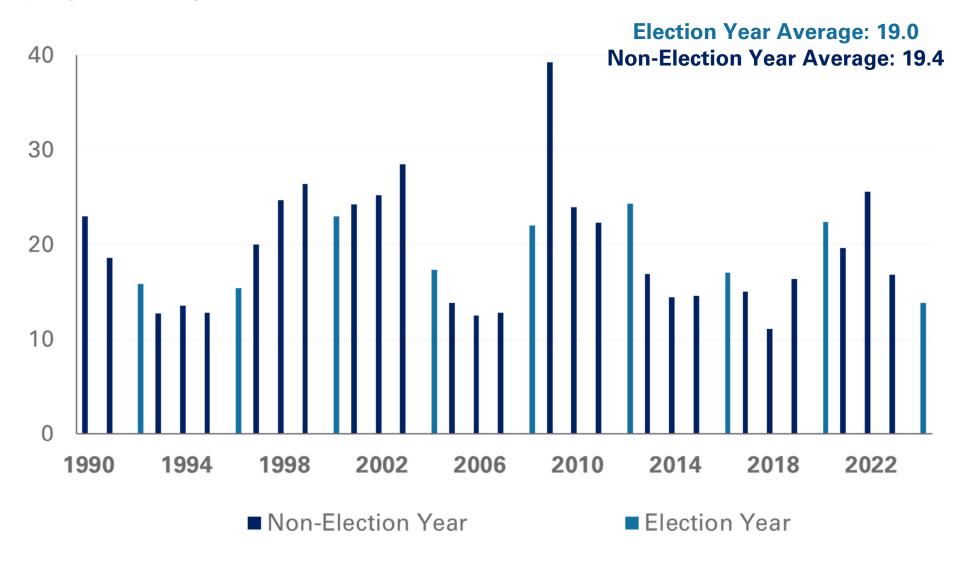
**CONSUMER INFLATION EXPECTATIONS: 1-YEAR AHEAD** 





# **VOLATILITY IS NOT OUTSIZED DURING ELECTIONS**

## **CBOE VIX VOLATILITY INDEX**

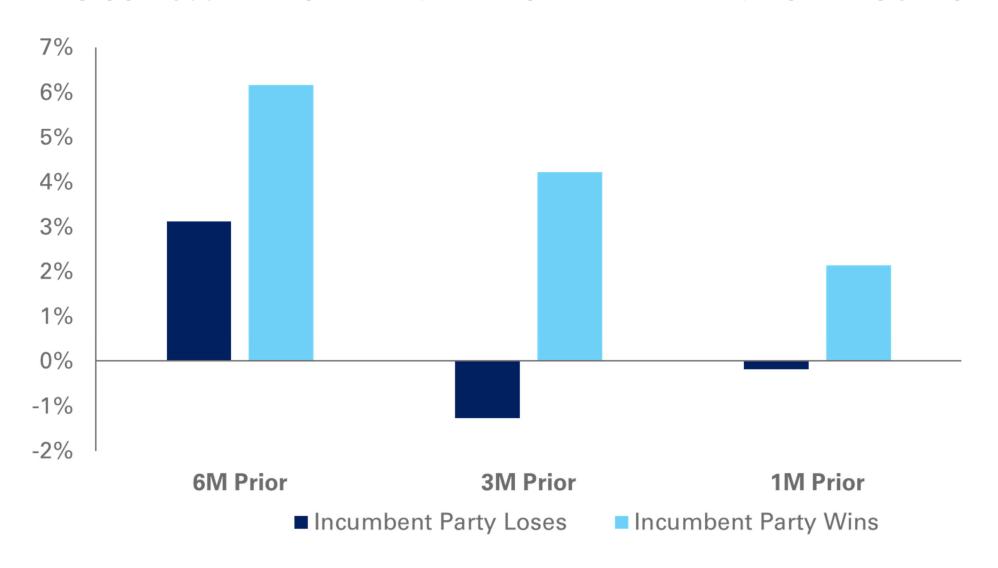




Note: 2024 reflects returns through July 26, 2024 Sources: CBOE, FactSet

# THE S&P IS A GOOD PREDICTOR 90 DAYS OUT

AVG S&P 500 PERFORMANCE: PRESIDENTIAL ELECTION RESULTS

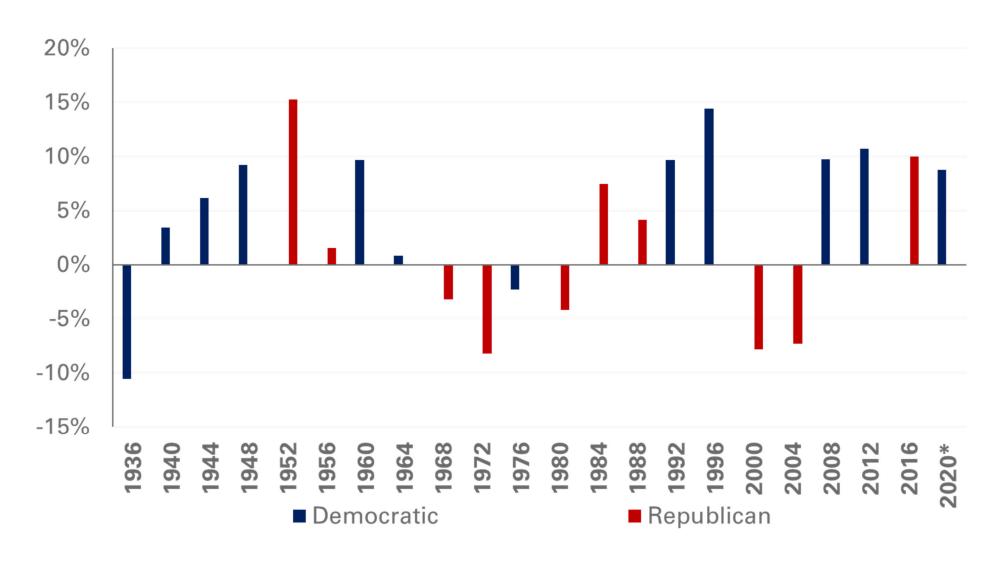




Notes: Reflects data 1936 to present. Data represents returns for the S&P 500 in the period ahead of the election. Sources: S&P, FactSet, NEPC

# **ELECTIONS DO NOT DIRECTLY INFLUENCE RETURNS**

ANNUALIZED EX-CASH S&P 500 RETURNS BY PRESIDENTIAL TERM

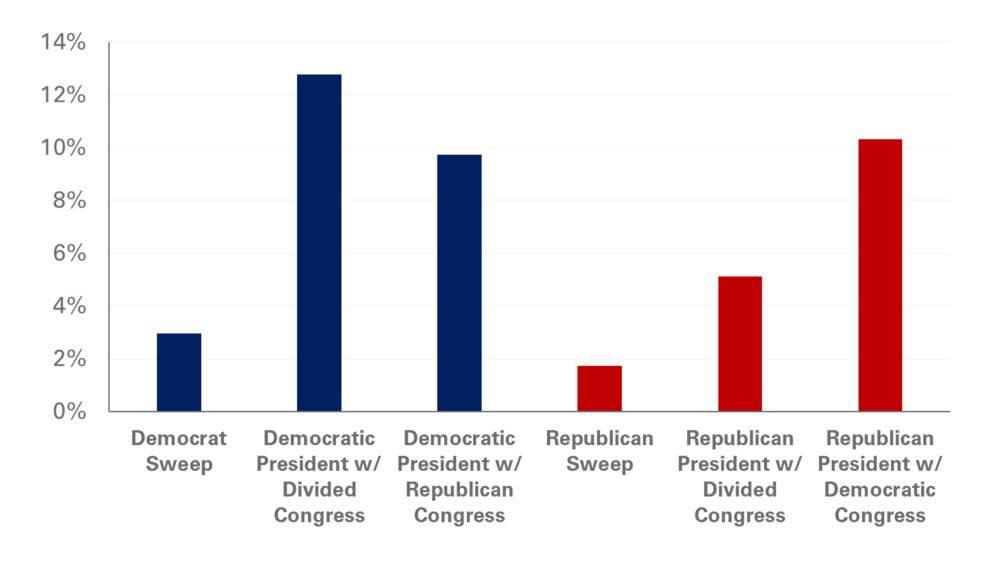






# A DIVIDED GOVERNMENT IS GOOD FOR MARKETS

AVERAGE ANNUAL S&P 500 RETURNS DURING ELECTION YEARS





Notes: Data calculated 1938 to present Sources: White House History, House Press Gallery, S&P, FactSet

# **ELECTION YEARS AND RECESSIONS**

- There have been seven Presidential elections since 1900 taking place in a year with an economic recession in the U.S.
- Recessions in an election year have historically led to a change in the party controlling the Presidency

Election Year with Recession	Months into Recession	Outcome
1920	9	Incumbent party loses to Republican Warren Harding
1932	38	Incumbent president loses to Democrat Franklin Roosevelt
1948	0	Incumbent President Harry Truman wins re-election*
1960	6	Incumbent party loses to Democrat John Kennedy
1980	6	Incumbent president loses to Republican Ronald Regan
2008	10	Incumbent party loses to Democrat Barack Obama
2020	8	Incumbent party loses to Democrat Joe Biden

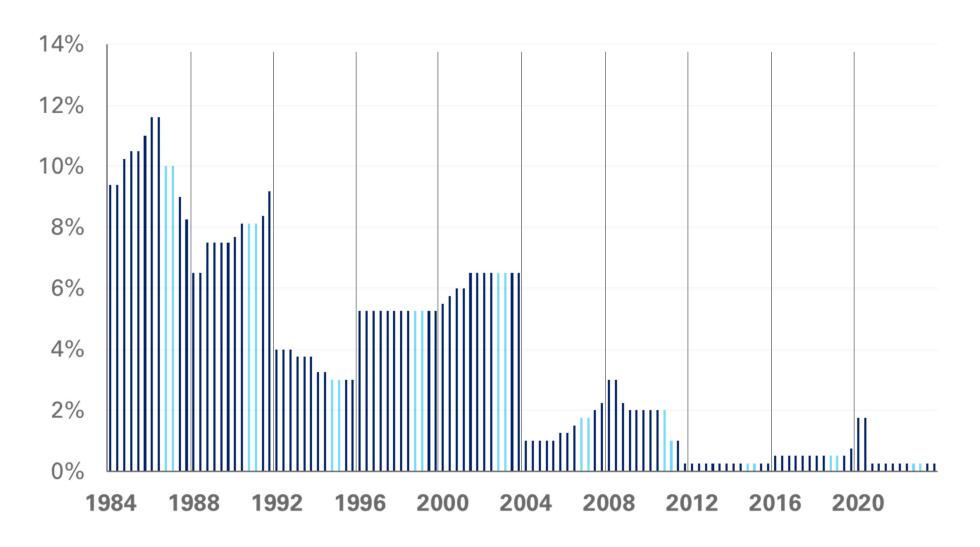


Notes: Months into a recession reflects the number of months prior to November where an official recession was declared.

<sup>\*</sup>The official declaration of a recession beginning in November 1948 occurred after the election

# FED MOVES LESS LIKELY CLOSE TO THE ELECTION

FED FUNDS RATE CHANGES IN PRESIDENTIAL ELECTION YEARS

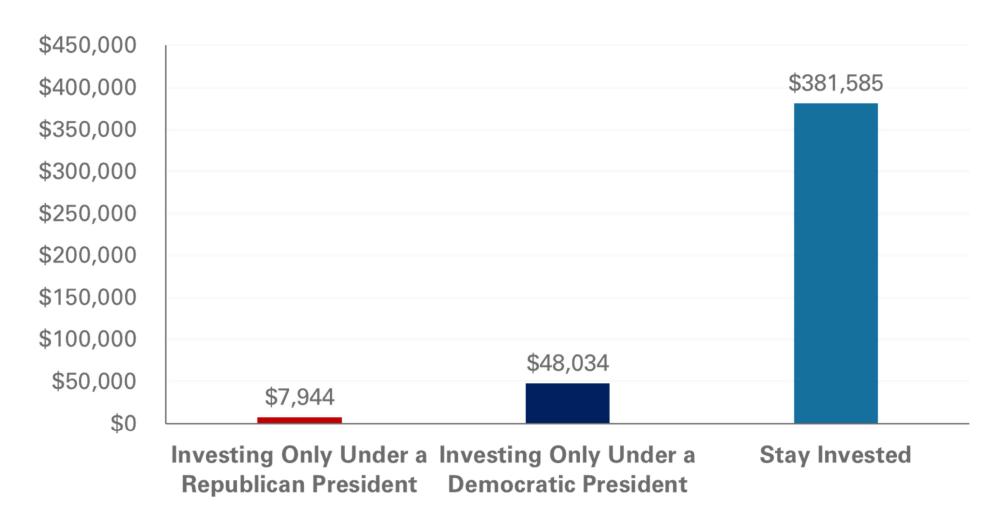




Notes: Light blue bars reflect the two months before an election (September, October) Sources: Federal Reserve, FactSet

# **ELECTIONS SHOULD NOT INFLUENCE ALLOCATIONS**

GROWTH OF \$1,000





Sources: S&P, FactSet, NEPC



# **CONCLUDING THOUGHTS**

Monetary policy and the growth-inflation regime will dictate long-term investment returns

Changes in the interest rate and inflation environment ahead of the election may influence voter sentiment

Look to capitalize on portfolio rebalancing opportunities that may materialize around key election dates

Election outcomes should not influence investment decisions; the focus remains on core investment objectives







# **DUE DILIGENCE MONITOR**

## **FUND LINE UP**

The items below summarize any changes or announcements from your managers/funds. A "Yes" indicates there was an announcement and a summary is provided separately. If there was no announcement or due diligence event, the manager is not listed. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data)

Manager	Announcement Date	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations	NEPC Consultant Recommendations/ Comments for your Portfolio
<b>Vanguard</b> Global Minimum Vol International Growth	5/2024	Yes	Watch	New Leadership Appointment
Merganser Intermediate Bond	5/2024	Yes	No Action	Leadership Update
Parametric Global Equity	6/2024	Yes	No Action	Departure of Senior Members
T. Rowe Price US Small Cap Equity	5/2024	Yes	No Action	Securities Lending Update



# **DUE DILIGENCE MONITOR** FUND LINE UP

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Manager	NEPC Consultant Recommendations/ Comments for your Portfolio
<b>Vanguard</b> Global Minimum Vol	On May 14, 2024, Vanguard Board of Directors announced Salim Ramji as Chief Executive Officer and Board member, effective July 8, 2024. Mr. Ramji succeeds Tim Buckley, who announced his plans to retire and step down as Chairman and CEO earlier this year.  Mr. Ramji has over 25 years of experience in investments, capital markets and wealth management, including a decade as a senior executive at BlackRock. Prior to his departure in January, Mr. Ramji was Global Head of iShares & Index Investing, where he was responsible for two-thirds of the firm's assets and growth. Mr. Ramji's contributions include expanding investment access for tens of millions of investors, creating a more central role for ETFs in retirement/wealth portfolios and a more efficient bond market with ETFs as an enabling technology.  The CEO appointment is not expected to have any impact on Vanguard's investment offerings. As of May 20, 2024, there is no impact to Vanguard's investment team structure or personnel. While the Board favored Ramji's alignment with Vanguard's mission-driven values and strategic plans for growth, his appointment reflects a significant culture shift for the firm. Mr. Ramji is the first external candidate to be named Vanguard's Chief Executive Officer since the company's founding in 1975.  NEPC is recommending a Watch to monitor for unexpected fallout.
Merganser Intermediate Bond	Merganser informed NEPC Research that effective June 1, 2024, Todd Copenhaver, Deputy CIO, will be elevated to Co-Chief Investment Officer, joining CIO Andrew Smock. Todd has been a part of the team since 2013 focusing on corporate credit and was previously elevated to Deputy CIO in 2022.  The investment team leadership will now consist of Andy Smock (co-CIO), Todd Copenhaver (co-CIO), and David Fishman (Deputy CIO). Merganser stated there are no other anticipated changes to Andy's level of commitment to the firm as a result of this move.



# **DUE DILIGENCE MONITOR** FUND LINE UP

The items below summarize any changes or announcements from your managers/funds. A "Yes" indicates there was an announcement and a summary is provided separately. If there was no announcement or due diligence event, the manager is not listed. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data)

Manager	NEPC Consultant Recommendations/ Comments for your Portfolio
Parametric Global Equity	NEPC recently received notification that Tom Seto, Head of Investment Management for Parametric, will retire effective February 2025. His responsibilities will be assumed by Jennifer Mihara and Gordon Wotherspoon. Jennifer, currently serving as Managing Director of Centralized Portfolio Management, will assume the role of Head of Equity Fund Management, while Gordon, Managing Director of Advisor Channel Portfolio Management, will take on the position of Head of Equity SMA. Both individuals boast extensive experience with Parametric.  Additionally, Reuben Butler, Chief Administrative Officer, will depart Parametric in July 2024, and Melissa Fell, Managing Director of Human Resources and Business Administration, will succeed him.  Although the earlier 2024 departure of former Parametric CEO Brian Langstraat marked a significant firm-wide change, it's important to note that these recent developments, like the CEO transition, have been characterized by transparency and clear communication. Additionally, each chosen successor has built well-established careers at Parametric.  So, while leadership changes always prompt a moment of pause, NEPC believes these shifts represent a natural evolution within the organization. As such, NEPC is comfortable with the change and is recommending No Action.
T. Rowe Price US Small Cap	NEPC has been notified that effective July 1, 2024, T. Rowe Price Trust Company intends to reinstitute a securities lending program for the T. Rowe Price common trust funds. At the discretion of each trust's investment team and in accordance with the fiduciary duties owed by the Trust Company, each trust may start lending portfolio securities pursuant to this program.  As a reminder, the Declarations of Trust for all of the trusts provide that the Trust Company, as discretionary trustee, has the power and authority to lend trust securities. Although all trusts are eligible to participate in the program, the determination on whether to actually lend securities from a trust's portfolio is done by the investment team for each trust; accordingly, not all trusts may lend securities at any given time and the Trust Company may update the list to add or remove trusts without further notice.  At a high level, the terms of the program are conservative, with T. Rowe lending securities on a cash collateral basis and a revenue split of 90% to the trust and 10% to the agent (T. Rowe as a firm receives no direct revenue). Collateral received will be invested in short-term investments such as T. Rowe's money market funds. T. Rowe will be using J.P. Morgan as their sole lending agent for all security lending.



# **INVESTMENT MANAGER DUE DILIGENCE**

NEPC Due Diligence Committee Recommendation Key						
No Action	Informational items have surfaced; no action is recommended.					
Watch	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.					
Hold	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.					
Client Review	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.					
Terminate	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.					

	NEPC Due Diligence Rating Key
1	A high conviction investment product. Product has a clear and economically-grounded investment thesis, and is managed by an investment team that is sufficiently resourced and incented to execute on the thesis.
2	NEPC has a positive view of the strategy. Strategy has a compelling and sound investment thesis. The manager is sufficiently resourced and incented to execute on the thesis. Strengths outweigh the weaknesses, but the strategy does not meet all requirements for a 1 rating.
3	A satisfactory investment product. The strategy lacks a compelling investment thesis, however there are no significant concerns around the manager's viability.
4	The strategy may have an unclear or ambiguous investment thesis or the manager may lack the ability to execute on the stated thesis. The strategy likely has strengths and weaknesses and the weaknesses may outweigh the strengths.
5	A strategy that lacks an investment thesis or NEPC has no confidence in the manager's ability to execute on the thesis, and/or the investment firm may not be viable. Serious issues have been identified with an investment manager or product. This rating aligns with a Terminate Due Diligence status for client-owned products.
NR	Due diligence has not been sufficiently completed on the product or manager.



# **SECURITY MONITOR**

## DOWNGRADED TO BELOW INVESTMENT GRADE

Portfolio	Security	Downgrade Date	% of Portfolio	Latest Downgrade (S&P)	Latest Downgrade (Moody's)	Latest Downgrade (Fitch)
N/A	N/A					



# **GLOSSARY OF TERMS**

**Alpha** - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

**Alpha Jensen** - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

**Annualized Return** - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

**Beta** - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

#### Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

R-Squared – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

**Sharpe Ratio** - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

**Sortino Ratio** - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

#### Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) \* 2 Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) **Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

#### Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

**Tracking Error** - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

#### Formula:

Tracking Error = Standard Deviation  $(X-Y)^* \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

**Treynor Ratio** - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

#### Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

**Up/Down Capture Ratio** - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

 $\label{eq:UpsideCapture} UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) \ when \ Period Benchmark \ Return \ is \ > = 0$ 

 $Downside Capture = Total Return (Fund Returns)/Total Returns (BMR eturn) \ when Benchmark < 0$ 



# INFORMATION DISCLAIMER

Past performance is no guarantee of future results.

The goal of this report is to provide a basis for monitoring financial markets. The opinions presented herein represent the good faith views of NEPC as of the date of this report and are subject to change at any time.

Information on market indices was provided by sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.

All investments carry some level of risk. Diversification and other asset allocation techniques do not ensure profit or protect against losses.

