McKnight Brain Research Foundation

Period Ending March 31, 2021

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Executive Summary



Executive Summary

Asset Allocation

- The Foundation has a 75.0% target to public equity, a 5.0% target to fixed income (including cash) and a 20.0% target allocation to alternative assets (including a 8.0% allocation to private equity).
- As of quarter end, the public equity allocation was 76.9%, the allocation to fixed income (including cash) was 6.2% and the allocation to alternative investments was 16.9%.

Portfolio Performance

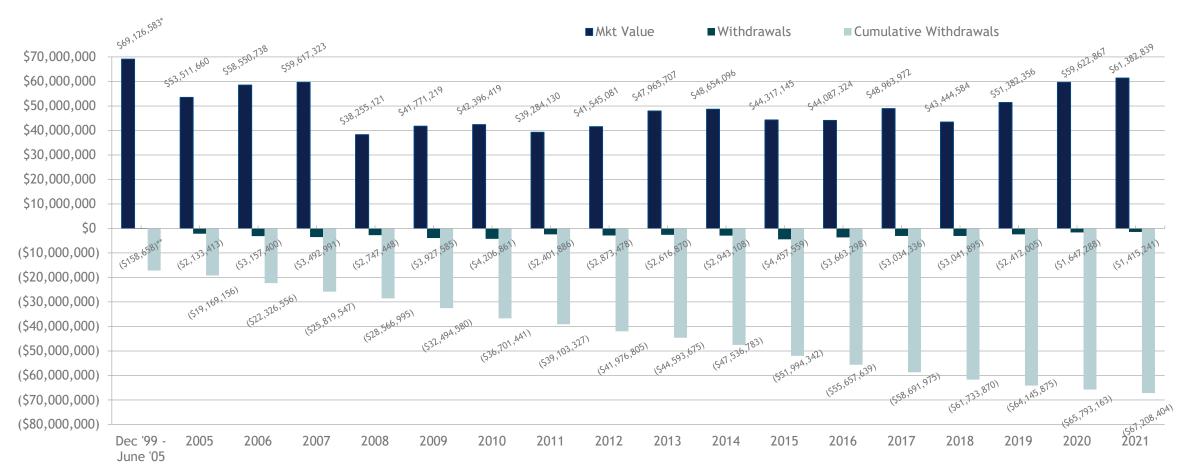
- For the month period ending March 31, 2021 the total return for the portfolio was 5.43% versus 5.18% for the Investment Policy Statement Index.
- For the year period ending March 31, 2021 the total return for the portfolio was 47.90% versus 48.76% for the Investment Policy Statement Index.



Investment Review



Historical Market Values and Distributions



Source: First Rate Advisor

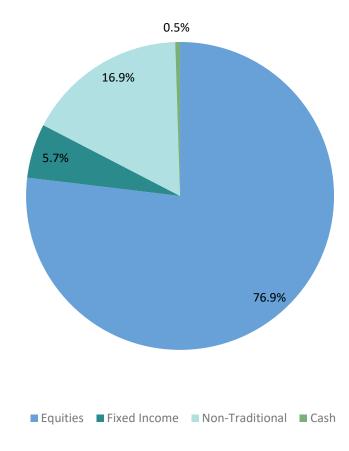
* As of December 1999



^{**} From December 2004 - June 2005

Portfolio Composition

McKnight Brain Research Foundation





	Period Ending I	March 31, 2 <u>02</u>	1				
Assets	Current Market Value	Current Allocation	Prior Qtr Allocation	Δ in Allocation	Target Allocation	Range	Variance from Target
Total Portfolio	\$61,382,839	100.0%	100.0%		100.0%		
Total Equities	\$47,208,463	76.9%	76.9%	0.0%	74.0%		2.9%
Large Cap Equities	\$35,040,652	57. 1%	57.8%	(0.7%)	50.0%	30-60%	7.1%
T. Rowe Price Large Cap Growth	\$5,625,533	9.2%	9.4%	(0.2%)			
Edgewood Growth Instl	\$5,524,808	9.0%	9.4%	(0.4%)			
Vanguard Russell 1000 Value Index I	\$3,427,489	5.6%	0.0%	5.6%			
Vanguard Value ETF	\$6,517,392	10.6%	10.2%	0.4%			
Virtus Ceredex Large-Cap Value Equity R6	\$4,320,754	7.0%	6.8%	0.2%			
Vanguard Russell 1000 Growth Index I	\$2,728,177	4.4%	4.7%	(0.3%)			
Calvert Equity Fund	\$0	0.0%	5.7%	(5.7%)			
Vanguard Institutional Index	\$6,896,497	11.2%	11.7%	(0.5%)			
Mid Cap Equities	\$1,117,803	1.8%	1.7%	0.1%	7.0%	5-14%	-5.2%
Vanguard Mid-Cap Value ETF	\$1,117,803	1.8%	1.7%	0.1%			
Smid Cap Equities	\$2,130,598	3.5%	3.3%	0.2%			
Eaton Vance Atlanta Capital SMID-Cap R6	\$2,130,598	3.5%	3.3%	0.2%		-	
Small Cap Equities	\$4,633,223	7.5%	7.1%	0.4%	8.0%	0-15%	0.2%
Vanguard Small Cap Index Admiral	\$0	0.0%	7.1%	(7.1%)			
iShares S&P Small-Cap 600 Value ETF	\$2,339,687	3.8%	0.0%	3.8%			
Vanguard Small-Cap Growth ETF	\$1,137,051	1.9%	0.0%	1.9%			
Alger Small Cap Focus Z	\$1,156,485	1.9%	0.0%	1.9%			
International Developed Equities	\$3,052,763	5.0%	5.0%	(0.0%)	7.0%	5-15%	-2.0%
Artisan International Value Instl	\$1,524,056	2.5%	1.4%	1.1%			
JOHCM International Select	\$0	0.0%	1.0%	(1.0%)			
Vanguard International Growth Adm	\$1,528,708	2.5%	2.6%	(0.1%)			
International Emerging	\$1,233,424	2.0%	2.0%	0.0%	2.0%	2-10%	0.0%
iShares Core MSCI Emerging Markets ETF	\$617,405	1.0%	1.0%	0.0%			
Calvert Emerging Markets Equity-R6	\$616,019	1.0%	1.0%	0.0%			
Total Fixed Income	\$3,477,047	5.7%	6.1%	(0.4%)	6.0%	0-20%	-0.3%
Vanguard Total Bond Market	\$914,722	1.5%	1.6%	(0.1%)			
Western Asset Core Plus Bond IS	\$2,562,325	4.2%	4.5%	(0.3%)			
Total Non-Traditional	\$10,383,359	16.9%	16.1%	0.8%	20.0%	10-30%	-3.1%
Hedge	\$7,258,045	11.8%	10.9%	0.9%	12.0%	10-30%	-0.2%
Lighthouse Global Long/Short	\$3,064,513	5.0%	4.7%	0.3%	12,070	10 00%	3,275
Lighthouse Diversified	\$2,378,153	3.9%	3.6%	0.3%			
Lighthouse Credit Opportunities	\$1,815,379	3.0%	2.6%	0.4%			
Private Equity	\$3,125,314	5.1%	5.2%	(0.1%)	8.0%	0-10%	-2.9%
Svb Cap Strategic Investo	\$54,650	0.1%	0.1%	(0.0%)	3,575	0 1070	_,,,,
Hcp Private Equity Master	\$1,001,020	1.6%	1.6%	0.0%			
Spring Harbour 2013	\$402,388	0.7%	0.7%	(0.0%)			
HarbourVest 2015	\$414,873	0.7%	0.7%	(0.0%)			
HarbourVest 2016	\$351,595	0.6%	0.6%	(0.0%)			
HarbourVest 2017	\$325,349	0.5%	0.6%	(0.0%)			
HarbourVest 2018	\$302,632	0.5%	0.5%	(0.0%)			
HarbourVest 2019		0.5%		,			
	\$222,807		0.4%	(0.0%)			
HarbourVest 2020	\$50,000	0.1%	0.1%	(0.0%)			
Total Cash	\$313,970	0.5%	0.9%	(0.4%)			

Investment Performance

	Period Ending March 31, 2021												
Assets	QTD	1 Year	3 Years	5 Years	7 Years	10 Years							
Total Portfolio	5.43%	47.90%	13.13%	13.42%	10.28%	10.12%							
2020 Efficient Frontier Target ⁽¹⁾	5.18%	48.76%	12.16%	12.19%	9.39%	9.34%							
Spending Policy Benchmark		8.1%	8.4%	8.3%	8.2%	8.3%							
65% Russell 3000 / 35% Barclays Agg	2.95%	40.89%	12.76%	11.90%	9.89%	10.17%							
Total Equities	5.59%	65.38%	15.20%	15.95%	12.03%	11.94%							
Domestic Equities	5.96%	62.64%	15.87%	16.56%	13.04%	13.21%							
International Equities – Developed	1.64%	84.40%	17.90%	16.42%	10.51%	9.48%							
International Equities – Emerging	3.08%	68.38%	7.98%	12.24%	6.16%								
Total Fixed Income	(4.30%)	3.46%	3.41%	3.66%	2.79%	3.51%							
Total Non-Traditional	8.88%	18.57%	9.73%	9.16%	7.44%	7.25%							
Private Equity (As of 9/30/2020)		18.25%	15.79%	16.17%	18.27%								

^{(1) 2020} Efficient Frontier Target consists of: 56% S&P 500 / 5% Russell MidCap / 7% Russell 2000 / 5% MSCI EAFE / 2% MSCI Emerging Markets / 5% Bloomberg Barclays US Aggregate TR / 20% HFRI Fund of Funds Composite Index

Source: First Rate Advisor and Morningstar. Returns greater than one year are annualized



^{*}Efficient Frontier Returns prior to July 1, 2020 correspond to previous efficient frontier targets

⁽¹⁾ Average 1 Year BRDPI Inflation of 2.1% + 5% Distribution + 1% Expenses = 8.1%

⁽²⁾ Average 3 Year BRDPI Inflation of 2.4% + 5% Distribution + 1% Expenses = 8.4%

⁽³⁾ Average 5 Year BRDPI Inflation of 2.3% + 5% Distribution + 1% Expenses = 8.3%

⁽⁴⁾ Average 7 Year BRDPI Inflation of 2.2% + 5% Distribution + 1% Expenses = 8.2%

⁽⁵⁾ Average 10 Year BRDPI Inflation of 2.3% + 5% Distribution + 1% Expenses = 8.3%

BRDPI Inflation index last updated Feb 2020

Manager Performance

	Period Ending	March 31, 202	1			
Assets	Ticker Symbol	Allocation	QTD	1 Year	3 Years	5 Years
Large Cap Equity		57.0%				
T. Rowe Price Large Cap Growth	TRLGX	9.2%	3.66%	67.97%	22.71%	24.05%
Edgewood Growth Instl	EGFIX	9.0%	1.49%	63.08%	22.98%	23.45%
Vanguard Russell 1000 Growth Index I	VRGWX	4.4%	0.93%	62.63%	22.72%	20.97%
Russell 1000 Growth			0.94%	62.74%	22.80%	21.05%
Vanguard Institutional Index	VINIX	11.2%	6.18%	56.34%	16.76%	16.27%
S&P 500			6.17%	56.35%	16.78%	16.29%
Vanguard Value ETF	VTV	10.6%	11.11%	51.62%	11.41%	12.73%
CRSP US Large Cap Value TR USD			10.99%	51.35%	11.41%	12.74%
Vanguard Russell 1000 Value Index I	VRVIX	5.6%	11.23%	56.00%	10.92%	11.66%
Virtus Ceredex Large-Cap Value Equity R6	STVZX	7.0%	9.26%	58.03%	11.82%	12.41%
Russell 1000 Value TR USD			11.26%	56.09%	10.96%	11.74%
Mid Cap Equity		1.8%				
Vanguard Mid-Cap Value ETF	VOE	1.8%	13.84%	69.88%	9.89%	11.66%
CRSP US Mid Cap Value index			13.71%	69.81%	9.84%	11.67%
Small Cap Equity		7.6%				
iShares S&P Small-Cap 600 Value ETF	IJS	3.8%	24.32%	104.15%	11.88%	13.92%
S&P 600 Value			24.17%	103.29%	11.97%	14.03%
Vanguard Small-Cap Growth ETF	VBK	1.9%	2.58%	83.10%	19.39%	19.06%
CRSP US Small Cap Growth			2.55%	83.12%	19.40%	19.04%
Alger Small Cap Focus Z	AGOZX	1.9%	(4.00%)	66.75%	25.12%	26.71%
Russell 2000 Growth TR USD			4.88%	90.20%	17.16%	18.61%
Smid Cap Equity		3.5%				
Eaton Vance Atlanta Capital SMID-Cap R6	ERASX	3.5%	8.45%	66.05%	15.04%	15.66%
Russell 2500			10.93%	89.40%	15.34%	15.93%



ce: Morningstar

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Manager Performance

	Period Ending	March 31, 202	1			
Assets	Ticker Symbol	Allocation	QTD	1 Year	3 Years	5 Years
International Equity		7.0%				
Vanguard International Growth Adm	VWILX	2.5%	(1.03%)	87.14%	20.68%	22.01%
MSCI ACWI ex US			3.49%	49.41%	6.51%	9.76%
Artisan International Value Instl	APHKX	2.5%	8.40%	62.51%	8.55%	10.02%
MSCI EAFE			3.48%	44.57%	6.02%	8.85%
Calvert Emerging Markets Equity R6	CVMRX	1.0%	2.43%	67.58%	9.20%	14.63%
iShares Core MSCI Emerging Markets ETF	IEMG	1.0%	3.74%	62.45%	6.09%	11.94%
MSCI EM NR USD			2.29%	58.39%	6.48%	12.07%
Fixed Income		5.7%				
Vanguard Total Bond Market ETF	BND	1.5%	(3.64%)	1.56%	4.67%	3.08%
Western Asset Core Plus Bond IS	WAPSX	4.2%	(4.60%)	6.86%	5.34%	4.79%
Bloomberg Barclays US Aggregate Bond			(3.37%)	0.71%	4.65%	3.10%
Non-Traditional		11.9%				
Lighthouse Global Long/Short LTD		5.0%	(1.60%)	25.56%	8.03%	7.26%
Standard Deviation				9.41%	8.56%	6.87%
Lighthouse Credit Opportunities LTD		3.0%	6.45%	44.86%	8.73%	7.93%
Standard Deviation				10.74%	13.07%	10.25%
Lighthouse Diversified LTD		3.9%	5.09%	28.89%	2.86%	3.49%
Standard Deviation				6.24%	12.04%	9.34%
MSCI ACWI			4.57%	54.60%	12.07%	13.21%
Standard Deviation				16.15%	17.89%	14.48%
Bloomberg Barclays US Aggregate Bond			(3.37%)	0.71%	4.65%	3.10%
Standard Deviation				3.61%	3.56%	3.31%



e: Morningstar

Private Equity Summary

			Po	eriod Ending	September 30), 2020					
Account	Commit.	Cumulative Takedown	Cumulative Distributions	Value (RV)	Total Value (RV + Dist)	Unfunded Commit	DPI (dist /takedown s)	RVPI (RV/takedo wns)	TVPI (TV / takedown)	Takedown (takedowns/ commit)	IRR
Private Equity			\$1,491,956	<u>`</u>		\$1,861,250			176.31%		
Hall Capital 2011	\$1,000,000				\$1,936,027	\$100,000			215.11%		
SpringHarbour 2013	\$500,000			\$468,322		\$77,500	82.03%	110.85%	192.88%	84.50%	17.62
HarbourVest 2015	\$500,000	\$400,000	\$165,134	\$470,842	\$635,976	\$100,000	41.28%	117.71%	158.99%	80.00%	17.96
HarbourVest 2016	\$500,000	\$325,000	\$140,666	\$358,521	\$499,187	\$175,000	43.28%	110.31%	153.60%	65.00%	20.58
HarbourVest 2017	\$500,000	\$280,000	\$37,671	\$339,009	\$376,680	\$220,000	13.45%	121.07%	134.53%	56.00%	17.78
HarbourVest 2018	\$500,000	\$202,500	\$1,881	\$243,578	\$245,459	\$297,500	0.93%	120.29%	121.21%	40.50%	21.89
HarbourVest 2019	\$500,000	\$82,500	\$0	\$118,864	\$118,864	\$417,500	0.00%	144.08%	144.08%	16.50%	90.93
SVB Capital	\$500,000	\$26,250	\$0	\$25,150	\$25,150	\$473,750	0.00%	95.81%	95.81%	5.25%	-6.22

	Period Ending March 31, 2021											
Account	Commit.	Cumulative Takedown	Cumulative Distributions	Value (RV)	Total Value (RV + Dist)	Unfunded Commit	DPI (dist /takedown s)	RVPI (RV/taked owns)	TVPI (TV / takedown)	Takedown (takedowns / commit)	IRR	
Private Equity	\$5,000,000	\$2,975,750	\$1,859,564			\$2,024,250	62.49%			59.52%		
Hall Capital 2011	\$1,000,000	\$900,000	\$935,007			\$100,000	103.89%			90.00%		
SpringHarbour 2013	\$500,000	\$422,500	\$412,531			\$77,500	97.64%			84.50%		
HarbourVest 2015	\$500,000	\$425,000	\$246,103			\$75,000	57.91%			85.00%		
HarbourVest 2016	\$500,000	\$350,000	\$172,141			\$150,000	49.18%			70.00%		
HarbourVest 2017	\$500,000	\$307,500	\$78,832			\$192,500	25.64%			61.50%		
HarbourVest 2018	\$500,000	\$270,000	\$6,393			\$230,000	2.37%			54.00%		
HarbourVest 2019	\$500,000	\$195,000	\$8,557			\$305,000	4.39%			39.00%		
HarbourVest 2020	\$500,000	\$50,000	\$0			\$450,000	0.00%			10.00%		
SVB Capital	\$500,000	\$55,750	\$0			\$444,250	0.00%			11.15%		

Total Value = Residual Value + Distributions
Distributed to Paid in (DPI) = Distributions / Takedowns
Residual Value to Paid in (RVPI) = Residual Value / Takedowns
Total Value to Paid in (TVPI) = Total Value / Takedowns
% Funded = Takedowns / Commitment



Active Manager Peer Group Comparison

		Period Ending March 31, 202	1		
Assets	Ticker	Morningstar Category	Benchmark	2 //	F.V
Large Can Crowth				3 Year	5 Year
Large Cap Growth			D 11.1000 C 11. T 1.1D 1	20	40
T. Rowe Price Large Cap Growth	TRLGX	Large Cap Growth	Russell 1000 Growth - Total Return	28	10
Edgewood Large Cap Growth	EGFIX	Large Cap Growth	Russell 1000 Growth - Total Return	25	12
Russell 1000 Growth - Total Return		Large Cap Growth		27	28
Large Cap Value					
Virtus Ceredex Large Cap Value Equity	STVZX	Large Cap Value	Russell 1000 Value - Total Return	24	27
Russell 1000 Value - Total Return		Large Cap Value		38	41
SMID Cap Core					
Eaton Vance Atlanta Capital SMID	ERASX	SMID Cap Core	Russell 2500 - Total Return	20	12
Russell 2500 - Total Return		SMID Cap Core		20	12
Small Cap Growth					
Alger Small Cap Focus Z	AGOZX	Small Cap Growth	Russell 2000 Growth - Total Return	23	13
Russell 2000 Growth - Total Return		Small Cap Growth		65	61
Large Cap International Growth					
Vanguard International Growth	VWILX	International Large Cap Growth	MSCI ACWI Ex USA Growth	3	4
MSCI ACWI Ex USA Growth		International Large Cap Growth		52	50
Large Cap International Value					
Artisan International Value Instl	APHKX	International Large Cap Value	MSCI ACWI Ex USA Value	1	1
MSCI ACWI Ex USA Value		International Large Cap Value		69	41
Emerging Markets					
Calvert Emerging Markets Equity R6	CVMRX	Emerging Markets	MSCI Emerging Markets - Gross Return	28	21
MSCI Emerging Markets - Gross Return		Emerging Markets		49	47
Intermediate-Term Bond					
Western Asset Core Plus Bond	WAPSX	Intermediate-Term Bond	Bloomberg Barclays US Aggregate	15	1
Bloomberg Barclays US Aggregate		Intermediate-Term Bond		49	54



rce: Morningstar

Attribution Analysis

		Period E	Period Ending March 31, 2021							
		Weigl	nts (%)	Asset Quarterly Returns						
Assets	Benchmark	Target	Active ⁽¹⁾	Index	Style Index(3)	Portfolio	Weight vs. Target		Style Allocation	Selection
rge Cap Equities	S&P 500 Index	56.0	56.1	6.2	6.0	6.1	0.10	0.00	-0.09	-0.04
. Rowe Price Large Cap Growth	Russell 1000 Growth Index		8.5	0.9		3.7			-0.45	0.24
dgewood Growth Instl	Russell 1000 Growth Index		8.6	0.9		1.5			-0.46	0.05
anguard Russell 1000 Growth	Russell 1000 Growth Index		4.2	0.9		0.9			-0.22	0.00
anguard Institutional Index	S&P 500 Index		10.5	6.2		6.2			0.00	0.00
alvert Equity Fund	S&P 500 Index		3.3	6.2		2.4			0.00	-0.13
anguard Value	CRSP US Large Value Index		9.5	11.0		11.1			0.46	0.01
irtus Ceredex Large Cap Value	Russell 1000 Value Index		6.3	11.3		9.3			0.32	-0.13
anguard Russell 1000 Value	Russell 1000 Value Index		5.2	11.3		11.2			0.00	-0.01
id Cap Equities	Russell MidCap Index	5.0	4.6	8.1	7.5	10.3	(0.40)	-0.01	-0.03	0.10
anguard Mid Cap Value	CRSP US Mid Value Index		1.6	13.7		13.8			0.09	0.00
aton Vance Atlanta Capital SMID	Russell 2500 Index		3.0	10.9		8.5			0.08	-0.07
mall Cap Equities	Russell 2000 Index	7.0	11.4	12.7	12.6	11.3	4.40	0.33	-0.01	-0.16
Iger Small Cap Focus	Russell 2000 Growth Index		1.7	4.9		-4.0			-0.13	-0.15
Shares S&P 600 Value	S&P 600 Value		3.5	24.2		24.3			0.40	0.00
anguard Small Cap Growth Index	CRSP US Small Cap Growth		1.7	2.6		2.6			-0.17	0.00
anguard Small Cap Index	CRSP US Small Cap		4.5	10.2		10.2			-0.11	0.00
anguard Smart Cap index	eksi os sinak cap									
ternational Equities	International Blend ⁽⁶⁾	7.0	6.5	3.1	3.2	0.8	(0.50)	0.01	0.00	-0.15
OHCM International Select	MSCI EAFE		0.6	3.5		0.3			0.00	-0.02
rtisan International Value	MSCI EAFE		1.7	3.5		8.4			0.01	0.08
anguard International Growth Adm	MSCI ACWI ex US		2.4	3.5		-1.0			0.01	-0.11
alvert Emerging Markets Equity I	MSCI Emerging Mkts Index		0.9	2.3		2.4			-0.01	0.00
Shares MSCI Emerging Markets	MSCI Emerging Mkts Index		0.9	2.3		3.7			-0.01	0.01
on-Traditional	HFRI FoF Composite	20.0	15.5	1.9	3.1	1.8	(4.50)	0.15	0.18	-0.02
ighthouse Global Long/Short	HFRX Equity Hedge		4.5	4.6		-1.6			0.12	-0.28
ghthouse Credit Opportunities	HFRI Distressed Restructuring Index		2.6	8.3		6.5			0.17	-0.05
ghthouse Diversified	HFRI FoF Diversified		3.5	1.6		5.1			-0.01	0.12
all Capital			1.6							
pring Harbour			0.6							
arbourVest 2015			0.7							
arbourVest 2016			0.5							
arbourVest 2017			0.5							
arbourVest 2018			0.5							
arbourVest 2019			0.3							
arbourVest 2020			0.1							
VB Capital			0.1							
•										
xed Income (including cash) anguard Total Bond	Barclays Aggregate Barclays Aggregate	5.0	5.9 1.4	-3.4 -3.4	-3.1	-3.9 -3.6	0.90	-0.08	0.02 0.00	-0.03 0.00
•			3.9	-3.4					0.00	-0.05
Vestern Asset Core Plus Bd IS	Barclays Aggregate		3.9 0.6			-4.6				
ash Equivalent	91 Day T-Bill		0.6	0.0		0.0			0.02	0.00
eriod End Static Return ⁽⁴⁾		100.0	100.0	5.2		5.3 ⁽²⁾		0.40	0.08	-0.31
				5.2		0.1 5.4				
otal Return ⁽⁵⁾				3.2		3.4				



- (1) Portfolio active weights are an average allocation over the time period
 (2) Portfolio return is estimated using a weighted average and does not take into account the timing of cash flows; therefore, it may not exactly match the actual return
 (3) The Style Index is the portfolio's fund weight x benchmark style index within each asset class
- (4) Index and Portfolio Period End Return is calculated based on an average of beginning and ending quarter weightings and does not take into account flows
 - (5) Index Total Return is Target Policy Return; Portfolio Return is GIPS compliant return for the period
- (6) International Policy Index = 70% MSCI EAFE, 30% MSCI Emerging Markets

Economic Overview



2021 Outlook | The Next Phase

Executive Summary

- We remain positive heading into 2021, with our work suggesting that extraordinary stimulus, pent-up demand and vaccines should support the economic expansion.
- From depressed levels, the global economy, led by the US and China, is set to show the best growth in a decade, though the path forward will be uneven and highly dependent on the rollout of COVID-19 vaccines.
- The first phase of the current bull market, the strongest from a return standpoint, appears to be over. In the next phase, we expect positive but moderating returns, sustained by improved earnings.
- Elevated investor expectations, political unrest and vaccine deployment are among the primary risks to our outlook.
- Within fixed income, we foresee a modest lift in US yields, a slightly steeper yield curve and continued demand for credit as sectors with rates exceeding inflation dwindle.

Key Takeaways

Economy: A Tale of Two Halves

- Elevated savings and cash balances provide a cushion awaiting vaccine deployment and leaves economy spring loaded for expansion
- Second half of the year much stronger than the first half
- We estimate 5.5% US economic growth, the highest since 1999

Equity: Next Phase Begins

- Strongest stage behind us, but market still has upside
- Next phase characterized by positive but moderating returns
- Drivers shifting from P/E expansion to earnings recovery

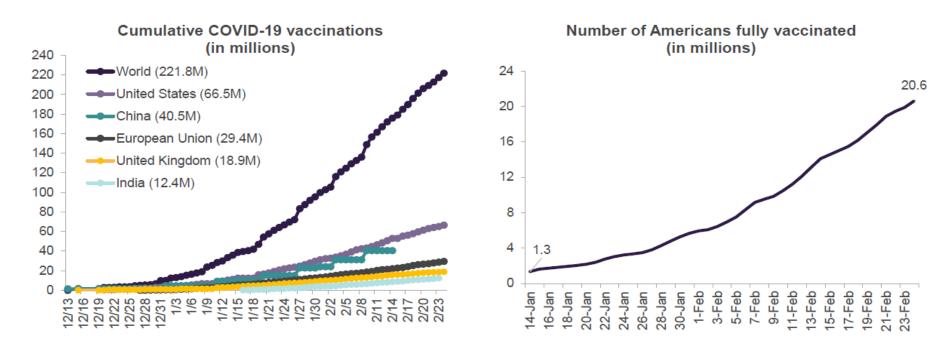
Fixed Income: Higher but Constrained Yields

- Base case outlook: 10-year US Treasury yield range of 0.50-1.50%;
 most of the upside occurring in the second half
- Increased Treasury supply, recovery, and vaccines should encourage slightly higher yields and a steeper yield curve
- International demand for US fixed income and Federal Reserve purchases to cap major upside yield moves



Vaccinations quickly ramping higher globally, which should support strong economic activity later this year

Vaccinations have topped 190 million globally. The U.S. ranks first in the total number of vaccine doses administered, just ahead of China, while the European Union is in third place and the United Kingdom in fourth. India is in fifth place, with Israel, Turkey, and Brazil each with over 7.5 million. The U.S. also leads in people fully vaccinated with 20.6 million, more than double the European Union, which is in second place with 9.9 million.



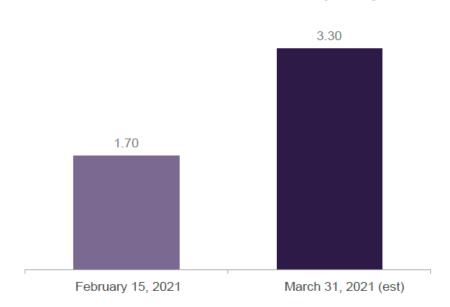
Sources: Truist IAG, Our World in Data, Centers for Disease Control & Prevention (CDC). Data through February 24, 2020. China figures reported weekly. U.S. figures includes all 50 states plus Washington D.C., U.S. military installations and territories. Figures for the United Kingdom are not included in the European Union.



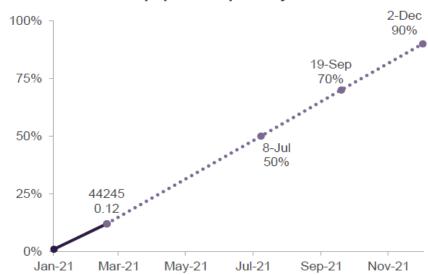
Vaccination pace set to double by April and most Americans should get it by early December

New estimates project that the pace of vaccinations should roughly double by the end of March, assuming that the supply ramps higher as scheduled. By early December, the Centers for Disease Control & Prevention (CDC) anticipates most Americans will have been vaccinated at the current pace. That estimate assumes vaccine supply will continue to be met, and children under 18 years of age will eventually be eligible to receive the vaccines. However, it doesn't include any new vaccines, which would increase the supply and further hasten the pace of vaccinations.





Estimated vaccination timeline % of U.S. population partially vaccinated

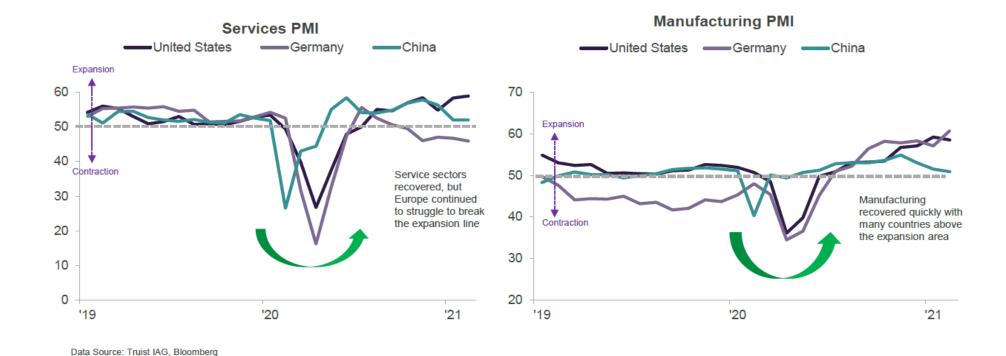


Sources: Truist IAG, Centers for Disease Control & Prevention (CDC) as of February 18, 2020. Left chart figures are Kaiser Family Foundation analysis based on CDC data, projecting vaccine delivery schedule assuming that production schedule is met.



Strong survey-based indicators for manufacturing, but services lag

Due to mandatory lockdowns and social distancing measures, services PMI's continued to point to contraction in Europe. On the other hand, with strong demand for manufactured goods, manufacturing surveys indicate a strong expansion into 2021.

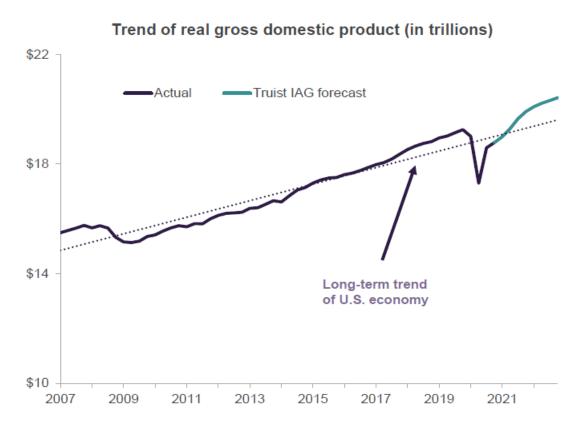




U.S. economic growth heading back above the pre-pandemic trend

With the additional stimulus, we now expect U.S. GDP growth of about 5.5% year-over-year for 2021. If achieved, it would be the highest annual growth since 1984.

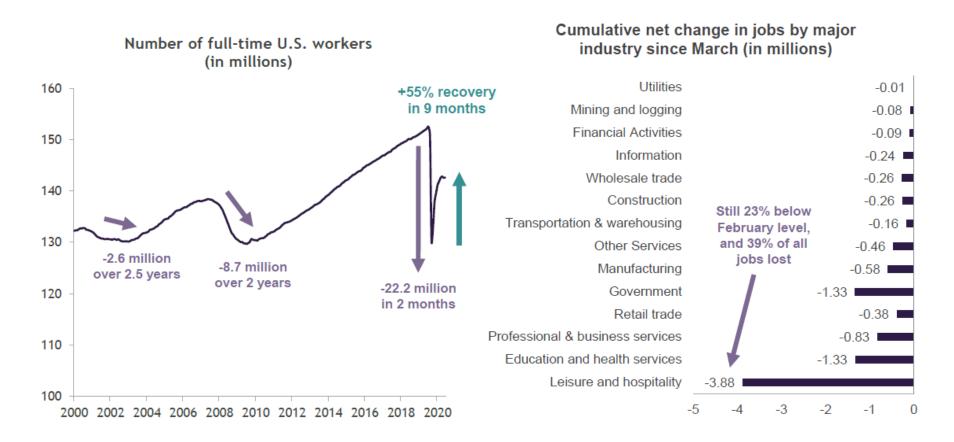
It is also more than double the pre-pandemic pace of economic growth, which averaged 2.3%.



Data Source: Truist IAG, Bureau of Economic Analysis, IHS Markit. Real gross domestic product, actual for 2014 through 2020. f = Truist IAG forecast for 2021 through 2022



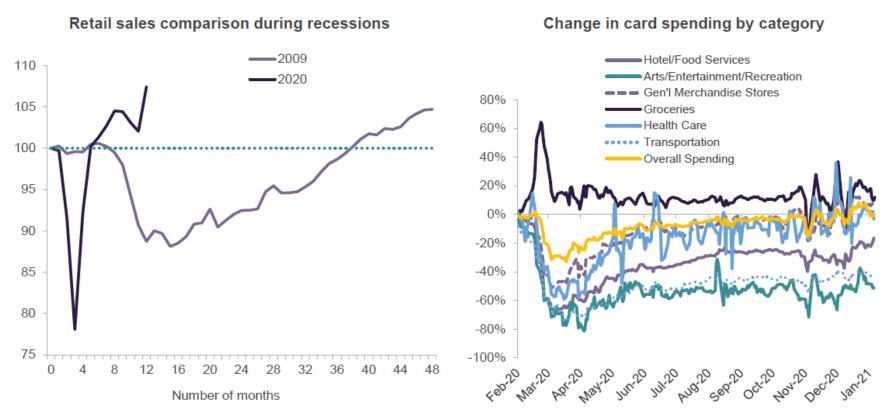
Uneven recovery, especially for some sectors and regions



Data Source: Truist IAG, Bloomberg, Bureau of Labor Statistics



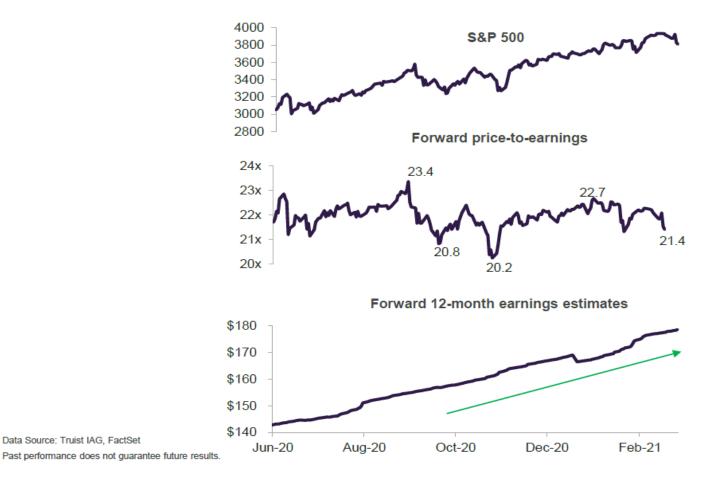
Retail sales of goods have already exceeded pre-pandemic peak, but spending on services has not



Data Sources: Left chart: Truist IAG, Bloomberg, U.S. Census Bureau. Index constructed based on monthly retail and food service sales in nominal dollars; data through January 2021. Right chart: Truist IAG, Haver, Affinity Solutions via Opportunity Insights; including credit and debit card spending; daily data through January 29,2021.



The S&P 500's P/E has been range bound since June as earnings strength remains underappreciated



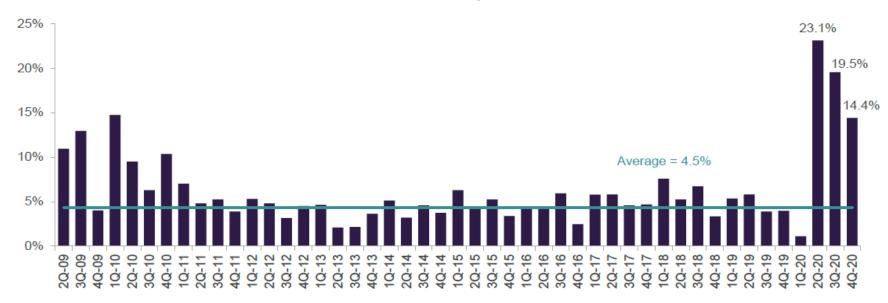


Data Source: Truist IAG, FactSet

Earnings remain underappreciated

Companies have exceeded earnings forecasts by an average of 19% over the past three quarters, well above the long-term average of 4.5%. Impressively, fourth quarter earnings for 2020 are now estimated to be above those of the fourth quarter of 2019, which was the most recent prepandemic period.

S&P 500 EPS Surprise %

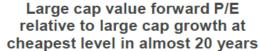


Data Source: Truist IAG FactSet



Large cap value trends improving

After significant underperformance, large cap value's forward price-to-earnings ratio is near a 20-year low compared to growth. Importantly, price and earnings trends are also stabilizing. That said, further improvement in relative earnings and price trends are among factors we are monitoring to upgrade our large cap value position to overweight.





Large cap value price & earnings trends relative to large cap growth stabilizing



Data Source: Truist IAG, FactSet

Growth = Russell 1000 Growth ETF, Value = Russell 1000 Value ETF



International markets improving

The relative valuations for international developed markets are at the low end of their historical range, and the hurdle rate for positive surprises is low. However, we are more positive on the U.S. dollar relative to the consensus (a weaker dollar tends to coincide with U.S. underperformance), and we await an improvement in earnings and price trends before shifting our view from a neutral weight.

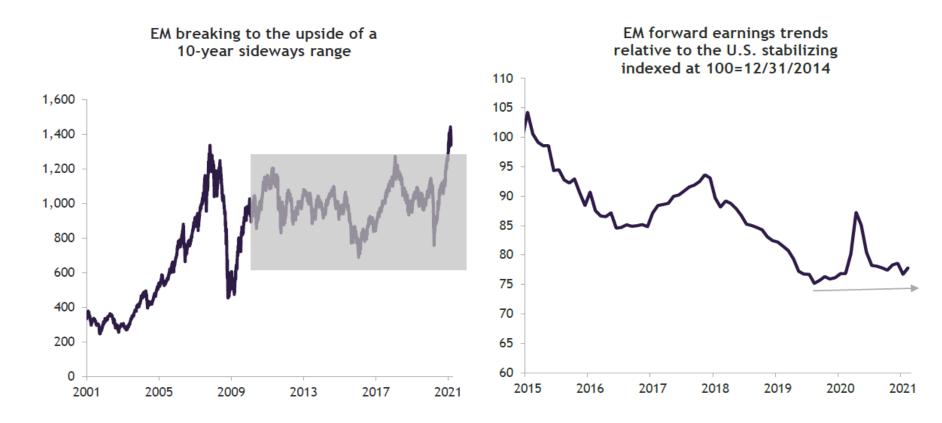


Data Source: Truist IAG, FactSet

U.S. Equities = MSCI USA, Int'l Developed Markets Equities = MSCI EAFE. International investments are subject to special risks, such as political unrest, economic instability, and currency fluctuations. Past performance does not guarantee future results.



Neutral emerging markets – 10-year upside price breakout a positive but waiting for improved earnings before boosting position to an overweight



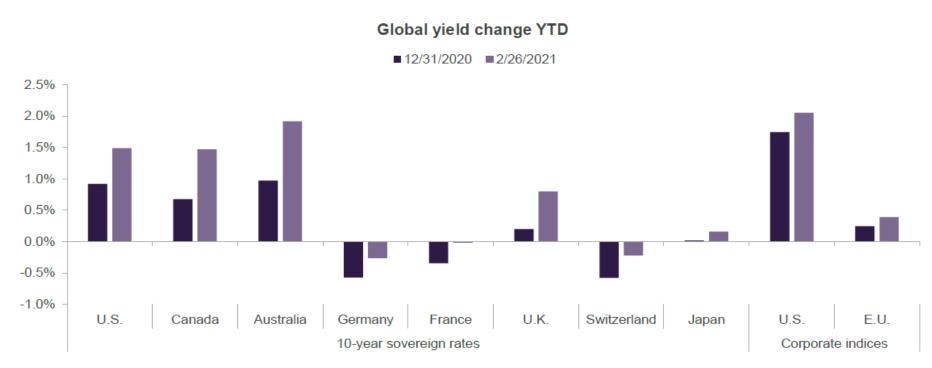
Data Source: Truist IAG, FactSet, MSCI, Morningstar

Emerging Markets: Investing in the securities of such companies and countries involves certain considerations not usually associated with investing in developed countries, including unstable political and economic conditions, adverse geopolitical developments, price volatility, lack of liquidity, and fluctuations in currency exchange rate



Global yield landscape reshaped by reflation trade, U.S. remains attractive

Yields in the U.K., Australia, and Canada moved markedly higher and applied some pressure on U.S. levels. Still, U.S. yields remain attractive compared to most other developed peers, especially the European markets and Japan, which should support stable foreign demand for U.S. fixed income.



Data Source: Truist IAG, Bloomberg

U.S. Corporate = Bloomberg Barclays U.S. IG Corporate - EU Corporate = Bloomberg Barclays Euro-Aggregate Corporates Past performance does not guarantee future results.

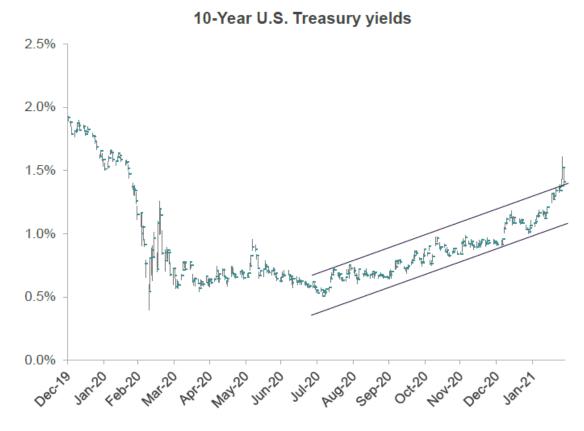


Expect return of more orderly curve steepening following abrupt spike

Near month end, 10-year yields rose sharply above the trend in place since August. Inflation concerns, better-than-expected global economic data, and a poorly supported 7-year U.S. Treasury auction all contributed to the disorderly selloff.

Late February's erratic trading complicates the Fed's desire for smooth market function. If this level of volatility persists, the Fed may feel compelled to intervene with stronger forward guidance or more targeted asset purchases.

While the upward yield bias should continue, we expect the pace of the rise to ease versus what we observed at the end of February.



Data Source: Truist IAG, Bloomberg



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