

Q1 2021

Index Insights

US traditional weighted benchmark performance

- Small-cap outperformed in Q1 and 1-year period, continued quarter over quarter outperformance
- Value continued strong performance in Q1, widening outperformance from Q4 2020
- Diversification worked in Q1 and 1-year period, as equal weight outperformed market-cap
- S&P 600 reversed to outperform Russell 2000 in Q1 and 1-year
- Trends from Q4 2020 continued

Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
S&P 500	6.17	56.35	16.78	16.29	13.91	0.86	0.99	18.40	13.58
S&P 400	13.47	83.46	13.40	14.37	11.92	0.59	0.72	23.72	16.87
S&P 600	18.24	95.33	13.71	15.60	12.97	0.57	0.72	26.16	18.74
Russell 1000	5.91	60.59	17.31	16.66	13.97	0.86	0.97	18.99	13.91
Russell 1000 Growth	0.94	62.74	22.80	21.05	16.63	1.09	1.11	19.41	14.30
Russell 1000 Value	11.26	56.09	10.96	11.74	10.99	0.55	0.75	19.97	14.44
Russell 2000	12.70	94.85	14.76	16.35	11.68	0.61	0.65	25.70	18.93
Russell 3000	6.35	62.53	17.12	16.64	13.79	0.84	0.94	19.33	14.15
Russell 3000 Growth	1.19	64.31	22.39	20.87	16.35	1.06	1.08	19.68	14.50
Russell 3000 Value	11.89	58.38	10.99	11.87	10.91	0.55	0.74	20.33	14.68
DJ US Total Market	6.45	62.68	17.05	16.60	13.75	0.84	0.94	19.35	14.17
MSCI USA	5.48	59.33	17.44	16.75	14.06	0.88	0.98	18.75	13.77
S&P 500 Equal Weight	11.49	71.61	14.90	14.74	13.10	0.69	0.84	21.60	15.48

Global traditional weighted benchmark performance

- US markets continued to outperform global
- Small-cap continued to outperform globally
- Value outperformed growth in Q1, but at a smaller magnitude than in the US
- Growth was the only negative performer in Q1
- Emerging markets underperformed developed in Q1, in contrast to the 1-year period

Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
MSCI ACWI IMI	5.14	57.58	11.90	13.21	9.15	0.63	0.64	18.42	14.32
MSCI ACWI ex USA IMI	3.77	51.94	6.51	9.84	5.11	0.36	0.36	18.04	15.25
MSCI ACWI	4.57	54.60	12.07	13.21	9.14	0.65	0.65	17.89	14.08
MSCI ACWI ex USA	3.49	49.41	6.51	9.76	4.93	0.37	0.35	17.65	15.15
MSCI World	4.92	54.03	12.81	13.36	9.88	0.68	0.70	18.12	13.97
MSCI World ex USA	4.04	45.86	6.34	8.92	5.21	0.35	0.37	17.99	15.05
MSCI World ex USA Growth	-0.36	43.55	10.02	10.72	6.69	0.59	0.49	16.04	14.19
MSCI World ex USA Value	8.33	47.17	2.25	6.81	3.54	0.14	0.26	21.05	16.61
MSCI World ex USA Small	4.88	65.17	6.89	10.55	7.14	0.36	0.47	20.82	16.20
MSCI EAFE	3.48	44.57	6.02	8.85	5.52	0.34	0.39	17.74	15.10
Emerging Markets	2.29	58.39	6.48	12.07	3.65	0.35	0.26	19.16	17.70
Emerging Markets Small Cap	7.67	87.13	5.19	9.59	3.33	0.28	0.24	23.63	18.80
MSCI Frontier Markets	0.80	39.28	-1.37	6.62	3.93	--	0.31	18.16	13.64

Source: Morningstar Direct, Bloomberg, LGIM America.

All "Traditional Weighted" benchmarks above have at least 10 years of actual performance that can be verified by accessing the provider's website for further information. LGIMA has obtained this information from the index provider and recommends that all information be verified on the provider's website. Index provider information has not been independently verified by LGIMA for its accuracy or completeness, therefore the information obtained from third party sources cannot be guaranteed. Please refer to the disclosures at the end of this presentation for more information.

US alternative weighted benchmark performance

- Value and size continued the trend of outperformance in Q1, following a strong Q4 2020
- Differing definitions of value lead to a wide dispersion of results

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Mkt Cap	S&P 500	6.17	56.35	16.78	16.29	13.91	0.86	0.99	18.40	13.58
	Composite Average Relative to Market Cap									
Relative to Mkt Cap	Value	8.23	9.40	-6.10	-4.06	-2.28	0.52	0.76	22.62	15.63
	Low Vol	-1.62	-18.19	-3.89	-4.30	-0.93	0.75	1.07	16.01	11.53
	Momentum	-3.62	-1.60	-2.24	-1.10	-0.07	0.74	0.99	19.27	13.52
	Quality	-0.78	-3.10	0.16	0.04	1.00	0.88	1.08	17.98	13.19
	Size	2.35	18.41	-2.92	-1.86	-0.99	0.62	0.80	23.09	15.66
	Composite Min-Max Spread									
Min-Max Spread	Value	10.67	39.73	6.83	4.84	2.47	0.33	0.23	9.87	6.15
	Low Vol	7.03	19.38	6.13	5.22	2.72	0.31	0.28	3.09	1.67
	Momentum	5.34	22.83	6.10	6.93	4.33	0.32	0.29	5.86	0.65
	Quality	3.41	8.30	4.90	3.99	2.23	0.27	0.17	1.15	0.41
	Size	3.46	23.72	3.60	3.38	2.06	0.11	0.05	4.17	2.36

Global developed ex USA alternative weighted benchmark performance

- Value and size outperformed as in the US but by a smaller magnitude
- Dispersion tightened in developed ex US markets

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Mkt Cap	MSCI World ex USA	4.04	45.86	6.34	8.92	5.21	0.35	0.37	17.99	15.05
	Composite Average Relative to Market Cap									
Relative to Mkt Cap	Value	5.99	9.31	-3.20	-0.81	-0.09	0.19	0.34	21.40	16.98
	Low Vol	-1.00	-15.82	-1.90	-2.18	1.39	0.27	0.54	14.87	12.34
	Momentum	-3.49	-1.35	0.91	0.72	1.78	0.43	0.52	16.25	13.81
	Quality	-2.10	-1.70	2.56	1.29	2.08	0.52	0.53	16.33	13.97
	Size	0.80	9.36	-1.19	0.15	1.12	0.28	0.44	19.42	15.11
	Composite Min-Max Spread									
Min-Max Spread	Value	4.85	14.40	1.72	2.42	2.79	0.08	0.14	1.85	1.98
	Low Vol	6.85	15.16	3.90	2.81	1.39	0.24	0.16	4.01	2.96
	Momentum	2.04	5.12	5.35	3.39	0.80	0.34	0.09	1.53	1.31
	Quality	4.61	7.38	6.00	2.47	0.51	0.38	0.04	2.07	0.34
	Size	0.88	10.02	1.18	2.20	1.14	0.05	0.06	1.02	1.35

Source: Morningstar Direct, Bloomberg, Scientific Beta, LGIM America.

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Emerging markets alternative weighted benchmark performance

- Broad factor outperformance in Q1
- Value and size continued global trend as top performers

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Mkt Cap	MSCI EM	2.29	58.39	6.48	12.07	3.65	0.35	0.26	19.16	17.70
	Composite Average Relative to Market Cap									
Relative to Mkt Cap	Value	3.95	-7.66	-4.45	-3.63	-2.00	0.13	0.15	19.89	18.49
	Low Vol	2.39	-16.64	-3.85	-5.02	0.04	0.16	0.28	16.25	14.85
	Momentum	-2.43	4.62	0.41	-0.11	1.63	0.34	0.35	19.81	17.02
	Quality	1.44	-3.61	-0.11	-1.68	0.90	0.35	0.32	18.25	15.86
	Size	3.26	10.25	-2.39	-3.41	-0.05	0.22	0.25	21.40	17.97
	Composite Min-Max Spread									
Min-Max Spread	Value	4.19	11.16	1.20	2.21	1.14	0.06	0.06	0.62	2.41
	Low Vol	3.17	14.27	7.12	6.32	2.72	0.40	0.16	2.97	2.61
	Momentum	5.74	33.24	11.90	10.16	3.98	0.53	0.20	5.04	2.77
	Quality	3.42	7.00	7.50	6.08	1.55	0.39	0.09	0.51	1.32
	Size	4.03	36.80	5.50	4.91	1.79	0.26	0.09	4.86	2.48
	Composite Min-Max Spread									

Environmental and socially responsible weighted benchmark performance

- Underweight in energy was a detractor to climate-based indexes in Q1
- 1-year and longer-term results were strong for climate-based indexes

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Mkt Cap	MSCI World	4.92	54.03	12.81	13.36	9.88	0.68	0.70	18.12	13.97
	Russell 1000	5.91	60.59	17.31	16.66	13.97	0.86	0.97	18.99	13.91
	FTSE Developed	4.96	54.42	12.59	13.36	9.79	0.67	0.69	18.13	14.02
ESG	MSCI World ESG	5.56	51.54	13.30	13.23	9.92	0.72	0.72	17.47	13.59
	MSCI Wld Low Carbon Ldrs	4.77	54.43	12.88	13.47	10.16	0.68	0.72	18.22	14.06
	MSCI Wld Low Carbon Trgt	4.73	54.18	13.09	13.43	10.12	0.69	0.72	18.19	14.01
SRI	MSCI World SRI	4.06	51.15	14.97	14.79	10.47	0.83	0.77	16.93	13.35
	Russell 1000 Climate	5.10	62.10	18.20	17.10	--	--	--	20.50	--
	FTSE4Good US	4.06	51.15	14.97	14.79	10.47	0.83	0.77	16.93	13.35
	FTSE Custom Global Developed Component Climate	4.45	56.38	13.34	13.63	--	0.70	--	18.15	--

Source: Morningstar Direct, Bloomberg, Scientific Beta, FTSE-Russell, LGIM America.

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Fixed income benchmark performance

- High yield was the strongest segment in Q1 and 1-year period
- High yield was the only positive index in Q1
- Long Treasury underperformed in a period of rising yields
- US agg outperformed global agg, reversing quarter over quarter

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Credit	Barclays Global Agg	-4.46	4.67	2.80	2.66	2.23	0.33	0.38	4.54	4.54
	Barclays US Agg	-3.37	0.71	4.65	3.10	3.44	0.93	0.93	3.56	3.04
	iBoxx US Investment Grade	-5.48	8.72	6.97	5.30	5.63	0.73	0.85	7.85	5.98
	iBoxx US High Yield	0.68	19.74	6.33	7.15	5.73	0.59	0.74	8.72	7.07
Rates	Barclays US TIPS	-1.47	7.54	5.68	3.86	3.44	1.08	0.66	3.90	4.36
	Barclays US Treasury	-4.25	-4.43	4.09	2.23	2.90	0.62	0.63	4.52	3.72
	Barclays US Treasury: Intermediate	-1.76	-1.27	3.76	2.06	2.33	0.93	0.75	2.60	2.32
	Barclays US Treasury: Long	-13.51	-15.80	5.87	3.13	6.35	0.39	0.53	13.22	11.80
ELM	JPM Emerging Market Global Core	-5.28	16.08	4.02	4.96	5.63	0.28	0.62	11.52	8.45

REITs, infrastructure and commodity benchmark performance

- Higher energy focus led GSCI over BBG commodity in Q1 and 1-year period
- US REITs have strong results versus market cap

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Commod	BBG Commodity	6.92	35.04	-0.20	2.31	-6.28	--	--	14.69	13.89
	S&P GSCI	13.55	50.22	-4.93	1.18	-8.60	--	--	28.58	21.70
REITs	FTSE EPRA Nareit United States	9.61	39.55	8.70	4.62	8.11	0.45	0.51	20.55	16.95
	FTSE EPRA Nareit Dv ex US	2.00	31.03	2.59	4.42	4.66	0.16	0.33	19.09	16.17
	FTSE EPRA Nareit Global	5.69	33.19	4.22	4.24	5.48	0.24	0.38	19.15	15.65
Infrastructure	MSCI ACWI Infrastructure	2.56	25.15	6.09	4.85	4.72	0.40	0.41	13.76	11.33
	MSCI USA Infrastructure	3.94	22.25	9.81	6.88	9.05	0.62	0.76	14.57	11.58
	Magellan Global Core Infrastructure	2.15	20.86	8.19	--	--	0.53	--	14.27	11.58

Source: Morningstar Direct.

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Multi-factor benchmark performance

- Broad multi-factor outperformance in Q1 following a period of weakness
- Dispersion of multi-factor indexes was wider in the short-term, but lessened over long-term

	Benchmark	Q1	1-yr	3-yr	5-yr	10-yr	3-yr Sharpe Ratio	10-yr Sharpe Ratio	3-yr Vol	10-yr Vol
Mkt Cap Global	MSCI ACWI	4.57	54.60	12.07	13.21	9.14	0.65	0.65	17.89	14.08
	MSCI ACWI Div. Multi-Factor	7.73	53.82	8.03	11.88	9.68	0.44	0.68	18.24	14.22
	SciBeta Global MBMS 4F EW	5.73	49.60	7.66	9.81	8.71	0.43	0.65	17.78	13.19
	SciBeta Global HFI 6F EW	6.35	48.21	7.92	9.60	9.64	0.45	0.75	17.29	12.58
	FTSE AW Comprehensive Factor	5.80	54.00	8.10	10.32	9.54	0.45	0.72	17.71	13.08
	RAFI Multi-Factor Global	6.81	55.35	8.83	--	--	0.48	--	18.13	--
	Average	6.48	52.20	8.11	10.40	9.39	0.45	0.70	17.83	13.27
	Min/Max Spread	2.00	7.15	1.17	2.27	0.97	0.05	0.09	0.95	1.65
Mkt Cap USA	S&P 500	6.17	56.35	16.78	16.29	13.91	0.86	0.99	18.40	13.58
	MSCI USA Div. Multi-Factor	8.01	55.89	11.40	13.22	13.01	0.59	0.90	19.04	14.08
	SciBeta US MBMS 4F EW	6.91	52.77	11.74	12.56	12.44	0.61	0.91	18.74	13.18
	SciBeta US HFI 6F EW	7.45	51.85	12.35	12.41	13.46	0.66	1.02	18.08	12.65
	Russell 1000 Cmprhnsve Factor	8.73	61.32	11.70	12.59	13.37	0.58	0.92	20.24	14.11
	RAFI Multi-Factor U.S. TR	9.12	60.24	13.37	13.28	13.07	0.68	0.93	19.13	13.64
	Average	8.04	56.41	12.11	12.81	13.07	0.63	0.93	19.05	13.53
	Min/Max Spread	2.21	9.47	1.96	0.86	1.02	0.10	0.12	2.16	1.47
Mkt Cap Dev xUSA	MSCI World ex USA	4.04	45.86	6.34	8.92	5.21	0.35	0.37	17.99	15.05
	MSCI World ex USA DMF	5.35	44.66	2.86	7.29	6.44	0.17	0.45	18.39	14.91
	SciBeta Dev xUS MBMS 4F EW	4.18	45.77	4.41	7.65	6.53	0.25	0.48	17.75	14.06
	SciBeta Dev xUS HFI 6F EW	4.81	44.11	4.43	7.97	7.43	0.26	0.55	17.41	13.72
	FTSE Dev xUS Cmprhnsve Factor	3.34	46.83	5.46	8.44	7.41	0.32	0.56	16.95	13.33
	RAFI Multi-Factor Developed ex-U.S	4.78	46.68	5.43	--	--	0.31	--	17.46	--
	Average	4.49	45.61	4.52	7.84	6.95	0.26	0.51	17.59	14.01
	Min/Max Spread	2.01	2.73	2.60	1.15	1.00	0.15	0.11	1.45	1.58
Mkt Cap Emerging	MSCI Emerging Markets	2.29	58.39	6.48	12.07	3.65	0.35	0.26	19.16	17.70
	MSCI EM Div. Multi-Factor	5.22	55.17	3.71	11.10	4.36	0.21	0.29	19.62	18.10
	SciBeta EM MBMS 4F EW	4.69	49.10	1.28	6.28	3.03	0.08	0.23	17.91	15.68
	SciBeta EM HFI 6F EW	5.85	46.47	1.04	5.90	4.07	0.07	0.30	17.54	14.88
	FTSE EM Comprehensive Factor	5.79	56.22	2.18	6.94	4.07	0.14	0.29	19.40	16.48
	RAFI Multi-Factor Emerging Markets	6.47	69.21	6.01	--	--	0.32	--	20.58	--
	Average	5.60	55.23	2.85	7.55	3.88	0.16	0.28	19.01	16.28
	Min/Max Spread	1.78	22.74	4.97	5.21	1.33	0.25	0.07	3.04	3.22

Sources: Morningstar Direct, Bloomberg, Scientific Beta, LGIM America.

Sharpe Ratios intentionally left out when negative, or where data unavailable

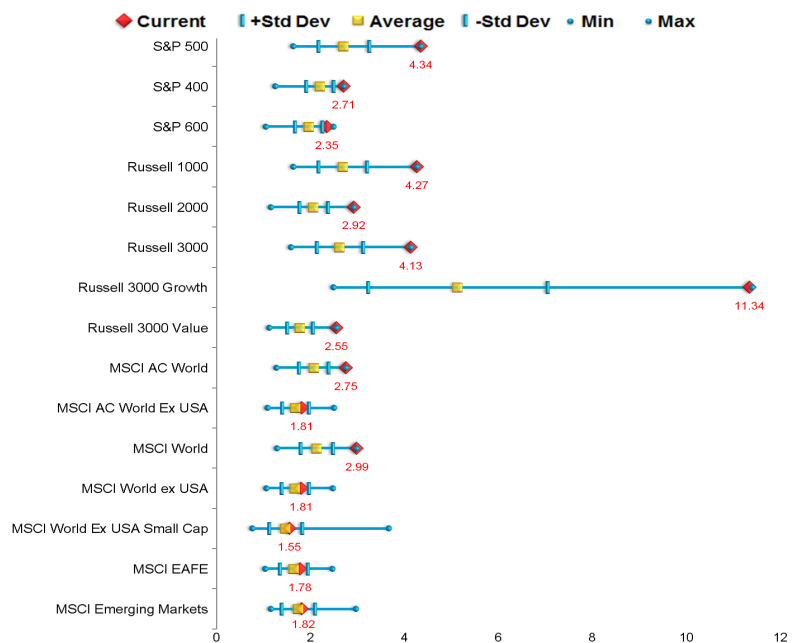
SciBeta MBMS 4F EW denotes Multi-Beta Multi-Strategy Four-Factor Equal Weight and HFI 6F EW denotes High-Factor-Intensity Diversified Multi-Beta Multi-Strategy 6-Factor 4-Strategy Equal Weight.

The FTSE AW Comp performance is hypothetical prior to November 3, 2016. The MSCI ACWI Diversified Multiple-Factor Index performance is hypothetical prior to Feb 17, 2015. SciBeta US MBMS 4F EW, SciBeta Dev xUS MBMS 4F EW, and SciBeta EM MBMS 4F EW performance is hypothetical prior to December 20, 2013. SciBeta US HFI 6F EW, SciBeta Dev xUS HFI 6F EW, and SciBeta EM HFI 6F EW performance is hypothetical prior to March 16, 2018. Hypothetical performance results have many inherent limitations and no representation is being made that any account will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program. Please refer to the disclosures at the end of this presentation for more information.

US and global market cap weighted valuations

- US markets continued trading at or near historical highs across the spectrum
- International markets continued to trade near historical averages

Price-to-book: 15-year relative value



Source: Bloomberg, MSCI, LGIM America as of end of Q1 2021.

Currency summary – MSCI global indexes

- US Dollar outperformed global basket in Q1, reversing three straight underperforming quarters
- Canadian Dollar market performed well in strong energy/oil market

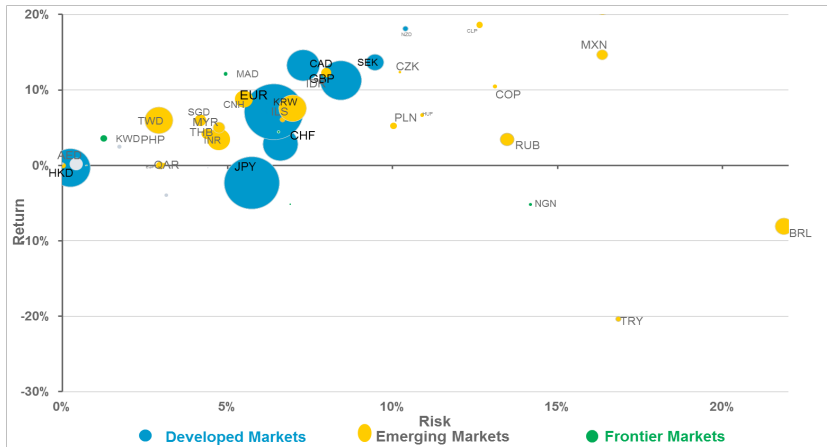
Index	USD Return %		Local Return %		Currency Impact %	
	3M	1-yr	3M	1-yr	3M	1-yr
MSCI ACWI ex US	4.57%	54.60%	5.85%	51.06%	-1.28%	3.54%
MSCI ACWI ex US	3.49%	49.41%	6.48%	41.35%	-2.99%	8.06%
MSCI USA	5.48%	59.33%	5.48%	59.33%	0.00%	0.00%
MSCI World ex US	4.04%	45.86%	7.64%	36.91%	-3.60%	8.96%
MSCI EAFE	3.48%	44.57%	7.59%	36.56%	-4.12%	8.01%
MSCI Canada	9.59%	59.27%	8.12%	40.64%	1.48%	18.63%
MSCI EM	2.29%	58.39%	3.96%	52.99%	-1.68%	5.40%
MSCI Frontier Markets	0.80%	39.28%	2.21%	36.15%	-1.41%	3.13%

US Dollar Index	3.66%	-5.87%
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Sources: LGIM America, MSCI, Bloomberg as of end of Q1 2021.

One-year currency risk/return

- Brazilian Real and Turkish Lira continued to exhibit lowest returns and highest risk



Sources: MSCI, LGIMA as of end of Q1 2021.

SciBeta Global Factor Indexes Periodic Table Investment Returns

Single Factor Indexes based on SciBeta’s diversified multi-strategy methodology

- Q1 saw a rotation into value and low investment and out of high probability and momentum bucking longer-term trends

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Q1
Low Vol 1.00	Size 17.45	Momentum 26.14	Low Vol 9.70	HFI 6F 3.04	Value 11.18	Momentum 27.73	Low Vol -6.12	MSCI ACWI 26.60	MSCI ACWI 16.25	Value 9.53
HFI 6F -0.49	Low Investment 17.12	Low Investment 25.82	HFI 6F 9.12	Momentum 2.70	Low Investment 9.54	High Profit-ability 25.27	High Profit-ability -7.65	High Profit-ability 25.82	High Profit-ability 13.42	Low Investment 7.72
High Profit-ability -3.26	Value 16.70	High Profit-ability 25.16	High Profit-ability 8.16	Low Vol 2.13	MSCI ACWI 7.86	MSCI ACWI 23.97	MSCI ACWI -9.41	Momentum 23.33	Momentum 10.92	HFI 6F 6.35
Momentum -5.01	Low Vol 16.59	HFI 6F 24.34	Size 7.38	High Profit-ability 2.11	Low Vol 6.30	Low Investment 22.93	HFI 6F -9.61	Low Vol 22.89	Size 6.75	Size 6.33
Low Investment -5.32	MSCI ACWI 16.13	Size 23.26	Low Investment 6.69	Size 0.52	HFI 6F 6.11	HFI 6F 22.86	Low Investment -10.35	Size 22.82	HFI 6F 5.94	Low Vol 4.78
Size -5.71	High Profit-ability 16.07	Value 22.86	Value 6.07	Low Investment -0.34	Size 5.89	Size 22.69	Size -10.75	Low Investment 22.69	Low Vol 5.06	MSCI ACWI 4.57
MSCI ACWI -7.35	Momentum 15.99	MSCI ACWI 22.80	Momentum 5.53	MSCI ACWI -2.36	High Profit-ability 5.28	Value 21.75	Momentum -12.09	HFI 6F 22.30	Low Investment 4.99	High Profit-ability 4.50
Value -8.90	HFI 6F 15.76	Low Vol 20.96	MSCI ACWI 4.16	Value -3.38	Momentum 1.17	Low Vol 21.50	Value -12.47	Value 21.80	Value 4.29	Momentum 2.31

Sources: LGIM America, Scientific Beta, Morningstar Direct. HFI 6F equals SciBeta Global High-Factor-Intensity Multi-Beta Multi-Strategy Six-Factor EW. Performance is hypothetical prior to December 20, 2013. SciBeta Global HFI MBMS 6F EW performance is hypothetical prior to March 16, 2018. Hypothetical performance results have many inherent limitations and no representation is being made that any account will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program.

Global GICS Sector Indexes Returns

- Rotation out of information technology into energy and financials in Q1, echoing global trends into value

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Q1
Health Care 9.59	Real Estate 31.45	Health Care 36.54	Health Care 18.73	Health Care 6.81	Energy 28.62	Information Technology 42.27	Utilities 2.23	Information Technology 47.52	Information Technology 46.13	Energy 18.03
Consumer Staples 8.50	Financials 29.44	Consumer Discretionary 36.49	Information Technology 15.73	Consumer Staples 5.69	Materials 24.16	Materials 30.19	Health Care 2.22	Consumer Discretionary 28.20	Consumer Discretionary 36.99	Financials 11.57
Comm Ser- vices 0.52	Consumer Discretionary 24.05	Industrials 30.06	Utilities 14.68	Consumer Discretionary 4.59	Financials 13.06	Industrials 25.90	Information Technology -5.47	Industrials 27.14	Comm Ser- vices 24.10	Industrials 7.60
Energy -2.51	Health Care 18.58	Information Technology 27.06	Real Estate 13.51	Information Technology 3.65	Information Technology 12.71	Consumer Discretionary 25.66	Real Estate -6.98	Comm Ser- vices 25.12	Materials 21.47	Comm Ser- vices 6.69
Utilities -3.67	Industrials 16.75	Comm Ser- vices 24.49	Consumer Staples 6.78	Real Estate 0.26	Industrials 12.55	Financials 24.75	Consumer Discretionary -7.97	Financials 24.07	Health Care 15.44	Materials 6.48
Information Technology -4.10	Information Technology 15.79	Financials 22.66	Consumer Discretionary 3.93	Comm Ser- vices -1.40	Utilities 6.58	Health Care 20.74	Consumer Staples -9.89	Real Estate 24.02	Industrials 11.76	Real Estate 6.18
Consumer Discretionary -4.82	Consumer Staples 15.30	Consumer Staples 19.14	Financials 3.93	Industrials -2.61	Comm Ser- vices 5.85	Real Estate 18.51	Comm Ser- vices -10.10	Health Care 23.31	Consumer Staples 8.83	Consumer Discretionary 2.33
Real Estate -8.42	Materials 11.50	Energy 14.27	Industrials 0.71	Financials -5.11	Consumer Discretionary 3.36	Consumer Staples 18.46	Energy -12.63	Consumer Staples 22.39	Utilities 4.64	Information Technology 1.86
Industrials -9.76	Comm Ser- vices 9.08	Utilities 11.60	Comm Ser- vices -1.10	Utilities -7.43	Real Estate 3.16	Utilities 14.84	Industrials -13.96	Utilities 22.08	Financials -3.15	Utilities 0.79
Financials -18.96	Utilities 3.36	Real Estate 1.71	Materials -7.08	Materials -15.78	Consumer Staples 2.13	Comm Ser- vices 8.61	Financials -15.16	Materials 20.72	Real Estate -5.67	Health Care 0.61
Materials -21.18	Energy 3.08	Materials -0.27	Energy -12.92	Energy -21.61	Health Care -6.35	Energy 7.64	Materials -15.62	Energy 13.80	Energy -27.72	Consumer Staples -0.69

Sources: LGIM America, Morningstar Direct. Hypothetical performance results have many inherent limitations and no representation is being made that any account will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program.

Index providers update

FTSE Russell

- In March, FTSE announced its Equity Country Classification Interim Update.
- For the FTSE GEIS indexes, Russia is on the watchlist to be promoted from Secondary Emerging status to Advanced Emerging Status. Vietnam is on the watch list to be promoted from Frontier status to Secondary Emerging Status. In commenting on Vietnam, FTSE stated that Vietnam continues not to meet the "Settlement Cycle (Delivery versus Payment)" criterion, due to the market practice of conducting a pre-trading check to ensure the availability of funds prior to trade execution.
- The annual FTSE Country Classification Review will be performed in September.

MSCI

- In January, MSCI announced that it will implement the ability to switch a Semi-Annual Index Review to a "light" rebalancing scenario under conditions of market stress. A consultation for market participants was held and the results were announced in April. In determining whether to switch to a "light" rebalancing, MSCI announced that they would analyze market liquidity and functioning during the last 10 business days of the month preceding the announcement of the review. MSCI stated that the decision to switch to a light rebalancing would be announced no later than the first business day following this monitoring period.
- In February, MSCI launched a consultation on the Treatment of Potential Index Additions with Extreme Price Increase. The results of this consultation were announced in April. Effective from the May 2021 review, MSCI will employ an additional extreme price move screen to potential adds and size migrations to the standard indexes of the MSCI Global Investable Market indexes. MSCI stated that the objective is to allow for stabilization of price discovery. Any stocks not eligible from this screening would be re-evaluated in the subsequent review.

Scientific Beta

- The addition of Kuwait to the Emerging Markets Universe will be effective at the June 2021 index review.

For further information, please contact [Greg Behar](#), Head of Index Strategy.

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The performance set forth below does not represent the results of actual trading, but rather was achieved by means of the retroactive application of a model designed with the benefit of hindsight.

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One of the limitations of hypothetical performance results is that they are generally prepared with the benefit of hindsight. In addition, hypothetical trading does not involve financial risk, and no hypothetical trading record can completely account for the impact of financial risk in actual trading. For example, the ability to withstand losses or to adhere to a particular trading program in spite of trading losses are material points which can also adversely affect actual trading results. There are numerous other factors related to the markets in general or to the implementation of any specific trading program which cannot be fully accounted for in the preparation of hypothetical performance results and all of which can adversely affect actual trading results.

The use of hypothetical performance is subject to inherent limitations derived from the reliance on historical data and the benefit of hindsight. All trading strategies applied to the analysis were available throughout the performance period. However, the analysis includes certain assumptions where actual performance could be different from the hypothetical performance presented.

In order to match the index returns a fund would need to track the security weightings in a way that would exactly match the Index and that the economic and market conditions were sufficient to have allowed effective execution of replicate the risk and return characteristics of the index. There are a number of factors that could reduce our ability to track index positions perfectly, including small position sizes and/or available liquidity in some securities. We estimate the net effects of index- and trading-related factors on the passive components of the strategy would affect performance either favorably or unfavorably depending on the size of the portfolio.

A review of the ERI Scientific Beta index methodology has been conducted by: a) comparing in and out of sample performance of the hypothetical back-tested information provided by Scientific Beta; b) testing the returns against the intended factor biases; c) conducting a comparison of similar multi-factor indexes to Scientific Beta's multi-factor index; and d) reviewing the reasonability of portfolio characteristics. The output of the indexes appears reasonable given the methodology and targeted portfolio risk biases and opinions expressed herein are as of April 2021 and may change based on market and other conditions. The material contained here is confidential and intended for the person to whom it has been delivered and may not be reproduced or distributed. The material is for informational purposes only and is not intended as a solicitation to buy or sell any securities or other financial instrument or to provide any investment advice or service. Legal & General Investment Management America, Inc. does not guarantee the timeliness, sequence, accuracy or completeness of information included. Past performance should not be taken as an indication or guarantee of future performance and no representation, express or implied, is made regarding future performance.

