

Global Manager Research Monthly Index Update

Select Benchmark Comparisons as of July 31, 2022



Period Ending July 31, 2022

In percentages, based on U.S. dollars				Annualized total returns						Calendar period total returns						Cumulative total returns			
	Last month	Trailing 3 mo.	YTD	1 Yr	3 Yr	5 Yr	7 Yr	10 Yr	2021	2020	2019	2018	2017	2016	2015	3 Yr	5 Yr	7 Yr	10 Yr
Balanced																			
20% MSCI World (Net) 80% Bloomberg Barclays U.S Aggregate1	3.54	0.98	-9.29	-8.96	1.93	2.96	3.18	3.46	2.85	9.68	12.45	-1.63	7.09	3.71	0.42	5.92	15.70	24.48	40.52
40% MSCI World (Net) 60% Bloomberg Barclays U.S Aggregate1	4.64	0.45	-10.46	-8.89	3.99	4.56	4.61	5.23	7.37	11.62	16.21	-3.33	10.75	4.73	0.22	12.46	24.97	37.11	66.42
50% MSCI World (Net) 50% Bloomberg Barclays U.S Aggregate1	5.19	0.17	-11.06	-8.88	4.98	5.33	5.30	6.09	9.69	12.49	18.11	-4.19	12.62	5.23	0.08	15.71	29.62	43.55	80.61
60% MSCI World (Net) 40% Bloomberg Barclays U.S Aggregate1	5.74	-0.12	-11.67	-8.90	5.95	6.07	5.97	6.94	12.04	13.31	20.01	-5.07	14.52	5.71	-0.07	18.95	34.27	50.06	95.64
80% MSCI World (Net) 20% Bloomberg Barclays U.S Aggregate1	6.84	-0.71	-12.91	-8.99	7.82	7.49	7.25	8.60	16.86	14.74	23.83	-6.87	18.40	6.63	-0.43	25.34	43.49	63.18	128.28
Domestic fixed income																			
Bloomberg Barclays US Universal	2.51	1.02	-8.70	-9.56	-0.22	1.34	1.89	1.93	-1.10	7.58	9.29	-0.25	4.09	3.91	0.43	-0.65	6.87	14.02	21.08
Bloomberg Barclays US Aggregate	2.44	1.49	-8.16	-9.12	-0.21	1.28	1.67	1.65	-1.54	7.51	8.72	0.01	3.54	2.65	0.55	-0.62	6.55	12.29	17.76
Bloomberg Barclays US Intermediate Aggregate	2.17	1.73	-5.48	-6.58	0.08	1.22	1.47	1.50	-1.29	5.60	6.67	0.92	2.27	1.97	1.21	0.24	6.27	10.74	16.07
Bloomberg Barclays US Aggregate Government - Treasury	1.59	0.88	-7.69	-8.69	-0.32	1.02	1.17	1.07	-2.32	8.00	6.86	0.86	2.31	1.04	0.84	-0.95	5.23	8.46	11.19
Bloomberg Barclays US Aggregate Government	1.58	0.88	-7.60	-8.60	-0.29	1.04	1.18	1.09	-2.28	7.94	6.83	0.88	2.30	1.05	0.86	-0.86	5.32	8.56	11.45
Bloomberg Barclays US Government/Credit	2.16	1.02	-9.12	-10.11	-0.11	1.40	1.83	1.72	-1.75	8.93	9.71	-0.42	4.00	3.05	0.15	-0.34	7.19	13.55	18.60
Bloomberg Barclays US Intermediate Government/Credit	1.63	1.25	-5.25	-6.48	0.39	1.37	1.57	1.52	-1.44	6.43	6.80	0.88	2.14	2.08	1.07	1.17	7.02	11.54	16.28
Bloomberg Barclays US Aggregate Credit - Corporate - High Yield	5.90	-0.98	-9.12	-8.02	1.95	3.06	4.42	4.87	5.28	7.11	14.32	-2.08	7.50	17.13	-4.47	5.96	16.24	35.38	60.94
Bloomberg Barclays US Aggregate Credit	3.04	1.24	-11.19	-12.15	-0.18	1.70	2.55	2.48	-1.08	9.35	13.80	-2.11	6.18	5.63	-0.77	-0.54	8.79	19.28	27.80
Bloomberg Barclays US Aggregate Credit - Corp. - Investment Grade	3.24	1.28	-11.61	-12.61	-0.12	1.78	2.72	2.65	-1.04	9.89	14.54	-2.51	6.42	6.11	-0.68	-0.35	9.24	20.67	29.91
Bloomberg Barclays Municipal Bond	2.64	2.46	-6.58	-6.93	0.43	1.88	2.35	2.49	1.52	5.21	7.54	1.28	5.45	0.25	3.30	1.29	9.77	17.69	27.88
Bloomberg Barclays Municipal Bond 3 Year	1.14	2.27	-2.35	-2.69	0.52	1.13	1.20	1.19	0.40	2.97	3.67	1.76	1.56	0.08	1.18	1.57	5.78	8.74	12.57
Bloomberg Barclays Municipal Bond 7 Year	2.41	3.41	-4.57	-5.18	0.57	1.72	2.17	2.23	0.36	5.11	6.74	1.66	4.49	-0.50	3.26	1.72	8.89	16.22	24.65
Bloomberg Barclays Municipal Bond 10 year	2.93	3.45	-5.57	-6.09	0.68	2.06	2.59	2.66	0.96	5.62	7.70	1.41	5.83	-0.12	3.76	2.05	10.71	19.60	30.07
Bloomberg Barclays Municipal Bond 20 Year (17-22 Y)	3.17	1.90	-8.76	-9.00	0.48	2.34	2.90	3.12	2.53	6.19	9.29	1.08	7.47	0.49	3.93	1.43	12.28	22.16	35.92
BofA Merrill Lynch US Treasury Bill (3 M)	0.05	0.14	0.20	0.21	0.58	1.10	0.90	0.64	0.05	0.67	2.28	1.87	0.86	0.33	0.05	1.76	5.64	6.45	6.64
Citigroup US Inflation-Linked Securities	3.90	-0.22	-5.01	-3.52	4.53	4.14	3.53	2.04	5.86	11.59	8.74	-1.49	3.34	4.82	-1.73	14.22	22.48	27.48	22.41
BofA ML U.S. Convertible - All Convertibles/All Qualities	5.69	-4.04	-15.67	-15.57	11.51	10.81	9.67	11.19	6.34	46.22	23.15	0.15	13.70	10.43	-2.99	38.67	67.07	90.85	188.74
BofA ML Fixed Rate Preferred Securities	6.13	3.61	-8.64	-8.63	1.09	2.61	4.02	4.53	2.24	6.95	17.71	-4.34	10.58	2.32	7.58	3.30	13.76	31.81	55.71
S&P/LSTA U.S. Leveraged Loan 100	3.10	-2.26	-2.55	-1.00	2.09	2.89	3.28	3.41	3.54	2.84	10.65	-0.62	3.31	10.88	-2.75	6.40	15.34	25.36	39.82
Global and International fixed income																			
Bloomberg Barclays Global Aggregate	2.13	-0.88	-12.08	-14.58	-2.45	-0.47	0.77	0.20	-4.71	9.20	6.84	-1.20	7.39	2.09	-3.15	-7.16	-2.31	5.55	2.06
Bloomberg Barclays Global Aggregate x US	1.92	-2.66	-14.88	-18.45	-4.24	-1.90	0.00	-0.97	-7.05	10.11	5.09	-2.15	10.51	1.49	-6.02	-12.18	-9.14	-0.02	-9.26
Bloomberg Barclays Global High Yield	4.04	-3.88	-13.51	-14.52	-1.45	0.63	2.88	3.80	0.99	7.03	12.56	-4.06	10.43	14.27	-2.72	-4.30	3.17	21.96	45.16
BofA Merrill Lynch Global Broad Market x US	2.24	-3.05	-16.79	-21.17	-5.62	-2.76	-0.59	-1.39	-8.94	10.33	4.86	-2.20	10.37	1.69	-6.01	-15.92	-13.06	-4.07	-13.05
Citigroup WGBI	1.78	-1.49	-13.27	-16.65	-3.56	-1.18	0.26	-0.61	-6.97	10.11	5.90	-0.84	7.49	1.60	-3.57	-10.30	-5.78	1.86	-5.89
Citigroup Non-USD WGBI	2.12	-3.10	-17.02	-21.71	-5.85	-2.74	-0.52	-1.60	-9.68	10.78	5.32	-1.82	10.33	1.81	-5.54	-16.54	-12.95	-3.57	-14.90
Alternatives																			
CPI for all Urban Consumers (CPI-U) ³ **one month lag	1.32	2.31	5.43	9.00	4.97	3.88	3.15	2.60	7.10	1.28	2.26	1.92	2.13	2.05	0.64	15.65	20.96	24.27	29.23
Bloomberg Commodity Index	4.26	-5.55	23.49	27.23	16.21	8.82	5.08	-1.03	27.11	-3.12	7.69	-11.25	1.70	11.77	-24.66	56.92	52.57	41.47	-9.80
S&P GSCI	-0.04	-3.00	35.74	42.74	14.76	10.66	4.48	-2.44	40.35	-23.72	17.63	-13.82	5.77	11.37	-32.86	51.14	65.97	35.91	-21.87
FTSE NAREIT Equity REITs	9.06	-5.32	-12.97	-2.47	6.60	6.88	7.23	8.12	43.24	-8.00	26.00	-4.62	5.23	8.52	3.20	21.13	39.50	62.98	118.25
FTSE NAREIT All REITs	8.74	-3.52	-12.26	-2.63	7.04	7.76	8.27	8.75	39.88	-5.86	28.07	-4.10	9.27	9.28	2.29	22.65	45.33	74.43	131.41
HFRX Global Hedge Fund	0.54	-2.35	-4.54	-4.19	3.01	1.86	1.47	1.92	3.65	6.81	8.62	-6.72	5.99	2.50	-3.64	9.31	9.65	10.73	20.98
HFRX Equity Hedge	1.20	-1.57	-3.57	-0.21	5.35	3.58	2.58	3.54	12.14	4.60	10.71	-9.42	9.98	0.10	-2.33	16.92	19.22	19.48	41.62
HFRX Event Driven	-0.45	-4.20	-6.67	-7.73	3.04	-0.01	1.31	2.04	0.48	8.89	9.96	-11.68	6.48	11.08	-6.94	9.38	-0.04	9.53	22.41
HFRX Absolute Return	-0.90	-2.75	-1.85	-1.68	1.78	1.65	1.57	1.86	2.10	2.72	4.37	-0.49	3.39	0.31	2.86	5.44	8.50	11.52	20.22
HFRX Macro/CTA	-1.48	-1.03	1.74	0.02	1.84	1.78	0.45	0.67	-0.83	4.29	4.84	-3.25	2.51	-2.93	-1.96	5.62	9.22	3.18	6.92



In percentages, based on U.S. dollars	Annualized total returns								Calendar period total returns							Cumulative total returns			
	Last month	Trailing 3 mo.	YTD	1 Yr	3 Yr	5 Yr	7 Yr	10 Yr	2021	2020	2019	2018	2017	2016	2015	3 Yr	5 Yr	7 Yr	10 Yr
Domestic equities																			
Dow Jones Industrial Average	6.82	0.13	-8.60	-4.14	9.22	10.86	11.79	12.31	20.95	9.72	25.34	-3.48	28.11	16.50	0.21	30.29	67.43	118.25	219.41
NASDAQ Composite Index	12.39	0.68	-20.47	-14.95	15.81	15.37	14.57	16.73	22.18	44.92	36.69	-2.84	29.64	8.87	6.96	55.31	104.37	159.14	369.71
S&P 500	9.22	0.39	-12.58	-4.64	13.36	12.83	12.22	13.80	28.71	18.40	31.49	-4.38	21.83	11.96	1.38	45.67	82.85	124.10	264.28
S&P 500 Growth	12.82	2.08	-18.33	-9.13	15.78	15.64	14.28	15.52	32.01	33.47	31.13	-0.01	27.44	6.89	5.52	55.20	106.76	154.62	323.40
S&P 500 Value	5.91	-1.22	-6.18	-0.03	9.68	9.14	9.38	11.51	24.90	1.36	31.93	-8.95	15.36	17.40	-3.13	31.95	54.85	87.30	197.33
S&P Mid Cap 400	10.85	0.94	-10.81	-5.70	10.16	9.06	9.33	12.05	24.76	13.66	26.20	-11.08	16.24	20.74	-2.18	33.70	54.29	86.75	212.07
S&P Small Cap 600	10.01	2.49	-10.83	-6.24	10.35	9.06	9.80	12.42	26.82	11.29	22.78	-8.48	13.23	26.56	-1.97	34.39	54.29	92.35	222.32
S&P 500 Equal Weighted	8.70	-0.54	-9.44	-2.75	12.50	11.36	11.00	13.58	29.63	12.83	29.24	-7.64	18.90	14.80	-2.20	42.40	71.25	107.59	257.31
Value Line Comp Index (Geometric)	8.63	-2.52	-15.18	-14.19	2.17	1.56	2.15	5.28	18.14	3.00	16.90	-15.99	11.09	13.54	-11.24	6.66	8.03	16.07	67.29
Value Line Comp Index (Arithmetic)	9.28	-0.52	-11.27	-8.18	11.95	9.43	9.44	11.85	25.37	18.84	23.63	-11.60	15.78	20.72	-6.93	40.31	56.94	88.05	206.46
Russell 1000	9.31	0.01	-13.58	-6.87	12.91	12.55	11.89	13.69	26.45	20.96	31.43	-4.78	21.69	12.05	0.92	43.95	80.64	119.58	260.92
Russell 1000 Growth	12.00	0.73	-19.44	-11.93	16.05	16.30	14.76	15.95	27.60	38.49	36.39	-1.51	30.21	7.08	5.67	56.29	112.77	162.10	339.27
Russell 1000 Value	6.63	-0.79	-7.08	-1.43	8.88	8.26	8.61	11.10	25.16	2.80	26.54	-8.27	13.66	17.34	-3.83	29.08	48.74	78.32	186.43
Russell 2000	10.44	1.51	-15.43	-14.29	7.51	7.12	7.61	10.60	14.82	19.96	25.52	-11.01	14.65	21.31	-4.41	24.27	41.03	67.06	173.79
Russell 2000 Growth	11.20	2.34	-21.55	-23.18	4.71	6.87	6.51	10.66	2.83	34.63	28.48	-9.31	22.17	11.32	-1.38	14.82	39.41	55.46	175.29
Russell 2000 Value	9.68	0.74	-9.30	-4.77	9.44	6.71	8.25	10.18	28.27	4.63	22.39	-12.86	7.84	31.74	-7.47	31.09	38.37	74.17	163.65
Russell 2500	10.35	0.14	-13.72	-11.27	9.07	8.95	8.70	11.66	18.18	19.99	27.77	-10.00	16.81	17.59	-2.90	29.75	53.49	79.37	201.18
Russell 2500 Growth	11.41	1.18	-21.40	-22.34	6.93	9.59	8.54	12.20	5.04	40.47	32.65	-7.47	24.46	9.73	-0.19	22.25	58.04	77.42	216.04
Russell 2500 Value	9.68	-0.45	-8.59	-3.38	9.27	7.34	8.14	10.60	27.78	4.88	23.56	-12.36	10.36	25.20	-5.49	30.48	42.49	72.89	173.88
Russell 3000	9.38	0.10	-13.70	-7.35	12.55	12.18	11.59	13.48	25.66	20.89	31.02	-5.24	21.13	12.74	0.48	42.57	77.65	115.48	254.02
Russell 3000 Growth	11.95	0.83	-19.56	-12.65	15.30	15.65	14.18	15.59	25.85	38.26	35.85	-2.12	29.59	7.39	5.09	53.28	106.92	152.95	325.63
Russell 3000 Value	6.81	-0.70	-7.23	-1.65	8.90	8.15	8.59	11.03	25.37	2.87	26.26	-8.58	13.19	18.40	-4.13	29.16	47.97	78.05	184.60
Russell Midcap	9.87	-1.02	-13.83	-9.83	9.47	9.69	9.39	12.32	22.58	17.10	30.54	-9.06	18.52	13.80	-2.44	31.20	58.83	87.39	219.50
Russell Midcap Growth	12.24	-0.17	-22.56	-21.76	7.51	11.06	9.90	12.81	12.73	35.59	35.47	-4.75	25.27	7.33	-0.20	24.28	68.92	93.58	233.91
Russell Midcap Value	8.61	-1.48	-9.02	-2.85	9.38	7.75	8.45	11.47	28.34	4.96	27.06	-12.29	13.34	20.00	-4.78	30.86	45.27	76.42	196.23
Russell Top 200	9.12	0.36	-13.50	-5.80	14.19	13.63	12.85	14.20	27.90	22.37	31.75	-3.08	22.96	11.33	2.36	48.89	89.48	133.13	277.38
Russell Microcap	9.96	-0.57	-17.65	-19.39	8.93	6.67	6.87	10.25	19.34	20.96	22.43	-13.08	13.17	20.37	-5.16	29.25	38.11	59.21	165.42
Global and international equities																			
MSCI The World Index ²	7.94	-1.34	-14.19	-9.16	9.58	8.81	8.44	10.21	21.82	15.90	27.67	-8.71	22.40	7.51	-0.87	31.57	52.53	76.30	164.36
MSCI The World Index Growth ²	11.54	-0.22	-20.59	-15.89	12.01	11.88	10.56	12.10	21.18	33.83	33.68	-6.74	28.01	2.80	3.11	40.54	75.28	101.98	213.26
MSCI The World Index Value ²	4.57	-2.70	-8.15	-2.96	6.15	5.14	5.85	7.98	21.94	-1.16	21.75	-10.78	17.10	12.33	-4.82	19.60	28.49	48.93	115.58
MSCI World High Dividend Yield ²	2.59	-3.08	-6.14	-2.67	5.80	5.64	6.27	7.41	15.83	-0.03	23.15	-7.56	18.14	9.29	-3.20	18.43	31.57	53.07	104.47
MSCI AC World Index ²	6.98	-1.92	-14.61	-10.48	8.52	7.86	7.89	9.35	18.54	16.25	26.60	-9.41	23.97	7.86	-2.36	27.80	45.99	70.14	144.37
MSCI AC World Index ex USA ²	3.42	-4.80	-15.63	-15.26	2.91	2.45	3.46	5.04	7.82	10.65	21.51	-14.20	27.19	4.50	-5.66	8.99	12.84	26.84	63.49
MSCI AC World Index ex USA Growth ²	5.50	-3.92	-20.65	-20.51	3.52	3.83	4.62	6.08	5.09	22.20	27.34	-14.43	32.01	0.12	-1.25	10.95	20.70	37.15	80.49
MSCI AC World Index ex USA Value ²	1.33	-5.85	-10.61	-10.00	1.78	0.73	2.04	3.80	10.46	-0.77	15.71	-13.97	22.66	8.92	-10.06	5.43	3.69	15.15	45.15
MSCI EAFE ²	4.98	-4.04	-15.56	-14.32	3.16	2.61	3.11	5.79	11.26	7.82	22.01	-13.79	25.03	1.00	-0.81	9.78	13.78	23.90	75.57
MSCI EAFE Growth ²	7.92	-2.49	-21.01	-19.11	4.05	4.56	4.67	6.92	11.25	18.29	27.90	-12.83	28.86	-3.04	4.09	12.65	24.97	37.67	95.30
MSCI EAFE Value ²	2.08	-5.82	-10.29	-9.89	1.64	0.27	1.22	4.40	10.89	-2.63	16.09	-14.78	21.44	5.02	-5.68	4.99	1.35	8.84	53.88
MSCI EMF (Emerging Markets) ²	-0.25	-6.46	-17.83	-20.09	0.90	0.95	3.81	2.84	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	2.72	4.86	29.92	32.32
S&P ADR Index ²	2.75	-2.91	-9.02	-8.48	5.34	4.06	3.89	5.43	16.01	2.55	21.17	-12.76	22.05	6.34	-8.78	16.89	22.03	30.59	69.68
Canadian indices																			
In percentages, based on canadian dollars																			
S&P/TSX COMPOSITE INDEX	4.66	-4.65	-5.68	-0.20	9.50	8.62	7.69	8.59	25.09	5.60	22.88	-8.89	9.10	21.08	-8.32	31.28	51.17	67.95	127.90
60.40 S&P - FTSE TMX Blend	4.66	-4.65	-5.68	-0.20	8.43	7.41	6.32	6.58	25.09	5.60	13.79	-4.90	6.63	13.00	-5.41	27.47	42.94	53.58	89.15

Sources: Factset
 1. Allocations between indices are rebalanced to the indices' target weightings at the beginning of each month.
 2. Morgan Stanley Capital International (MSCI) indices are calculated assuming the maximum possible dividend reinvestment (With Net Dividends). The amounts reinvested represent the dividends distributed to investors residing in the home countries of component companies.
 3. The Consumer Price Index represents the index performance on a one month lag.
 The historical data contained herein has been compiled from sources deemed to be reliable, but its accurateness and completeness are not guaranteed. It has been prepared solely for informational purposes and is made available on an "as is" basis without warranty. Indices are unmanaged and their returns do not reflect deductions for expenses, fees, commissions, taxes or other costs that would be associated with actual investments in the individual securities that they track. It is not possible to invest directly in unmanaged indices. Unless otherwise noted, total returns are shown and assume reinvestment of all dividend, interest and capital gain distributions, if any. All servicemarks, trademarks and registered trademarks are the property of their respective owners.

PAST PERFORMANCE DOES NOT GUARANTEE COMPARABLE FUTURE RESULTS.

