

# Lipper Performance Report

## Investment Objective Performance Summary

Total Net Assets (\$millions) 11/30/2018	# of Funds	Type of Fund	Cumulative Total Reinvested Performance %							
			1 Month	Quarter	YTD	1 Year	2 Years*	3 Years*	5 Years*	10 Years*
			11/30/18 to 12/31/18	9/30/18 to 12/31/18	12/31/17 to 12/31/18	12/31/17 to 12/31/18	12/31/16 to 12/31/18	12/31/15 to 12/31/18	12/31/13 to 12/31/18	12/31/08 to 12/31/18
<b>U.S. Diversified Equity Funds</b>										
1,093,108.4	693	Large-Cap Growth Funds	-8.33	-15.46	-0.80	-0.80	13.34	9.41	8.92	14.13
902,997.7	785	Large-Cap Core Funds	-8.77	-13.45	-5.64	-5.64	6.85	7.91	6.93	11.97
523,410.8	479	Large-Cap Value Funds	-9.51	-12.75	-8.68	-8.68	2.87	6.60	5.29	10.79
388,645.6	571	Multi-Cap Growth Funds	-8.65	-16.21	-2.95	-2.95	11.28	8.41	7.24	13.65
1,326,709.3	805	Multi-Cap Core Funds	-9.27	-14.41	-7.88	-7.88	4.89	6.59	5.52	11.61
258,972.1	417	Multi-Cap Value Funds	-10.32	-14.47	-11.42	-11.42	0.89	5.63	4.24	10.74
247,712.5	393	Mid-Cap Growth Funds	-9.84	-17.64	-5.37	-5.37	8.64	7.71	6.05	13.33
325,298.9	434	Mid-Cap Core Funds	-10.26	-16.22	-11.74	-11.74	0.94	5.24	3.77	11.61
128,300.3	203	Mid-Cap Value Funds	-11.16	-16.80	-14.79	-14.79	-2.11	4.23	3.23	11.78
200,509.3	578	Small-Cap Growth Funds	-11.31	-20.85	-4.53	-4.53	8.52	8.78	5.26	13.66
546,130.1	998	Small-Cap Core Funds	-11.51	-19.16	-12.67	-12.67	-0.83	5.86	3.41	11.64
135,260.7	308	Small-Cap Value Funds	-12.20	-19.71	-15.89	-15.89	-4.36	5.05	1.70	10.84
1,415,461.9	114	S&P 500 Index Funds	-9.28	-13.82	-5.04	-5.04	7.28	8.64	7.89	12.50
474,507.3	556	Equity Income Funds	-8.48	-11.33	-7.24	-7.24	3.46	6.88	5.44	10.60
3,850.0	31	Specialty Diversified Equity Fund	-4.50	-7.04	-6.42	-6.42	1.02	0.21	-3.06	-5.88
10,649.7	162	Dedicated Short Bias Funds	15.17	29.82	7.56	7.56	-12.96	-19.93	-16.57	-24.73
22,745.0	98	Alternative Equity Market Neutral	0.25	-0.43	-0.86	-0.86	-0.79	-0.50	1.10	1.79
39,847.4	349	Alternative Long/Short Equity Fu	-5.07	-8.63	-6.06	-6.06	2.03	2.86	2.45	6.33
36,570.9	225	Equity Leverage Funds	-16.04	-25.63	-23.52	-23.52	1.49	7.43	2.16	15.03
11,101.8	23	Alternative Active Extension Fund	-9.00	-15.16	-8.35	-8.35	5.20	6.85	6.67	12.46
<b>8,091,790.0</b>	<b>8,222</b>	<b>U.S. Diversified Equity Funds</b>	<b>-9.16</b>	<b>-14.76</b>	<b>-7.73</b>	<b>-7.73</b>	<b>4.21</b>	<b>6.24</b>	<b>4.77</b>	<b>11.16</b>
<b>Sector Equity Funds</b>										
119,123.8	104	Health/Biotechnology Funds	-10.34	-16.55	-0.84	-0.84	11.55	3.66	9.14	15.46
37,572.5	92	Natural Resources Funds	-14.32	-28.49	-25.83	-25.83	-15.30	-3.07	-10.38	1.27
128,024.1	183	Science & Technology Funds	-7.95	-17.11	-3.24	-3.24	14.84	13.49	11.45	16.88
11,646.7	37	Telecommunication Funds	-8.46	-12.13	-9.24	-9.24	-0.23	3.43	2.55	9.23
33,487.6	64	Utility Funds	-4.17	-1.58	2.19	2.19	7.50	9.59	7.16	9.46
65,389.2	97	Financial Services Funds	-11.56	-16.21	-14.68	-14.68	-0.87	5.85	4.69	9.35
151,456.5	266	Real Estate Funds	-7.70	-7.08	-6.16	-6.16	-0.14	2.03	6.77	11.55
13,618.2	78	Specialty/Miscellaneous Funds	-1.74	-1.06	-3.33	-3.33	-2.48	-3.37	-11.45	9.93
20,316.8	74	Precious Metals Equity Funds	10.30	8.12	-15.29	-15.29	-4.25	12.20	-0.58	-2.52
13,215.1	34	Basic Materials Funds	-7.82	-16.78	-21.19	-21.19	0.23	8.48	-0.64	9.67
20,592.1	38	Consumer Goods Funds	-9.15	-9.91	-11.62	-11.62	1.40	2.39	4.44	11.25
25,275.8	43	Consumer Services Funds	-8.79	-15.57	-5.86	-5.86	5.23	5.18	4.85	15.07
4,070.1	27	Global Financial Services Funds	-8.11	-15.15	-15.94	-15.94	0.81	2.29	2.25	8.39
60,773.4	44	Global Health/Biotechnology Fun	-8.83	-12.28	0.35	0.35	8.71	1.70	7.52	12.81
28,881.1	116	Global Natural Resources Funds	-8.80	-20.21	-20.21	-20.21	-6.77	1.95	-6.64	1.20
37,530.2	187	Global Real Estate Funds	-5.51	-6.42	-6.30	-6.30	2.41	2.60	4.10	9.21
19,726.4	65	Global Science/Technology Fund	-8.15	-17.55	-5.45	-5.45	16.18	14.33	12.48	17.28
34,837.1	59	Industrials Funds	-10.18	-17.06	-14.81	-14.81	2.81	6.90	4.29	11.75
16,530.7	46	International Real Estate Funds	-2.12	-5.44	-7.93	-7.93	6.62	4.02	2.76	8.35
19,556.2	121	Alternative Managed Futures Fur	0.32	-3.73	-6.66	-6.66	-1.63	-1.85	0.83	-3.42
1,074.8	26	Commodities Agriculture Funds	-3.06	1.37	-11.00	-11.00	-11.25	-7.94	-9.80	-3.84
47,953.1	22	Commodities Precious Metals Fu	5.16	6.12	-4.91	-4.91	2.30	4.35	-2.90	1.97
948.9	22	Commodities Specialty Funds	0.69	8.59	1.67	1.67	-2.81	-5.81	-1.68	-7.74
35,214.0	135	Commodities General Funds	-5.31	-12.23	-12.07	-12.07	-4.48	0.81	-8.54	-4.11
2,912.7	21	Commodities Energy Funds	-14.70	-25.95	-0.98	-0.98	-4.99	-1.24	-17.16	-12.62
263.9	15	Commodities Base Metals Funde	-2.85	-6.80	-18.06	-18.06	0.94	6.90	-4.43	1.62
40,541.6	152	Energy MLP Funds	-9.84	-18.59	-16.51	-16.51	-11.42	-0.27	-7.63	*
16,314.2	108	Global Infrastructure Funds	-4.61	-6.46	-8.73	-8.73	3.60	5.65	3.32	8.37
<b>1,006,846.8</b>	<b>2,276</b>	<b>Sector Equity Funds</b>	<b>-6.51</b>	<b>-11.16</b>	<b>-9.40</b>	<b>-9.40</b>	<b>0.72</b>	<b>3.66</b>	<b>1.82</b>	<b>8.58</b>
<b>World Equity Funds</b>										
107,496.1	151	Global Large-Cap Growth	-6.89	-13.23	-6.23	-6.23	9.56	6.79	4.91	10.26
108,346.4	88	Global Large-Cap Core	-7.15	-12.54	-10.64	-10.64	4.91	5.47	3.17	8.76
24,513.3	44	Global Large-Cap Value	-7.14	-11.04	-10.54	-10.54	2.65	4.85	2.50	8.47
51,186.2	244	Global Multi-Cap Growth	-7.33	-14.43	-8.58	-8.58	8.35	6.31	4.63	10.26
75,873.1	174	Global Multi-Cap Core	-7.36	-13.01	-10.51	-10.51	4.87	5.55	4.03	9.45
57,514.9	120	Global Multi-Cap Value	-7.36	-12.95	-12.77	-12.77	2.14	4.33	2.24	8.36
285,551.1	190	International Large-Cap Growth	-5.24	-12.86	-14.32	-14.32	4.78	2.77	0.66	6.48
114,560.1	89	International Large-Cap Core	-5.61	-13.44	-15.46	-15.46	2.57	1.72	-0.50	5.60
30,155.3	42	International Large-Cap Value	-5.71	-13.66	-16.94	-16.94	0.55	1.05	-1.93	4.80
327,704.0	526	International Multi-Cap Growth	-5.50	-14.14	-15.36	-15.36	4.71	2.78	0.58	6.77
857,680.5	426	International Multi-Cap Core	-5.14	-12.87	-15.08	-15.08	2.98	2.48	0.12	6.02
112,160.3	198	International Multi-Cap Value	-5.56	-13.73	-17.27	-17.27	0.74	1.54	-1.11	4.98

\* Periods longer than one year are annualized.

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79,217.2	239	International Small/Mid-Cap Grov	-6.56	-16.76	-18.78	-18.78	4.60	2.85	1.76	10.46
23,111.0	66	International Small/Mid-Cap Core	-6.33	-15.19	-19.03	-19.03	2.50	2.10	0.76	8.55
17,547.7	18	International Small/Mid-Cap Valu	-5.88	-13.55	-19.19	-19.19	-0.40	2.84	0.55	8.34
64,365.0	158	European Region Funds	-5.22	-14.33	-16.34	-16.34	2.30	1.03	-0.56	6.57
14,902.3	49	Pacific Region Funds	-5.42	-11.73	-15.41	-15.41	6.29	5.45	2.80	7.73
35,066.3	53	Japanese Funds	-8.37	-15.96	-15.62	-15.62	3.64	3.31	4.63	7.88
25,286.8	73	Pacific Ex Japan Funds	-2.62	-8.73	-16.16	-16.16	8.17	6.33	2.84	9.78
21,765.3	91	China Region Funds	-4.78	-11.52	-19.00	-19.00	7.78	4.14	3.30	8.72
518,149.2	912	Emerging Markets Funds	-2.91	-7.41	-16.27	-16.27	5.95	6.73	0.37	7.53
12,170.3	34	Latin American Funds	-0.95	2.38	-10.43	-10.43	7.66	14.72	-2.48	5.07
64,681.5	152	Global Small-/Mid-Cap Funds	-8.07	-16.76	-13.39	-13.39	4.58	6.21	2.90	11.61
10,308.3	28	India Region Funds	0.50	4.17	-13.61	-13.61	10.95	7.23	10.39	10.82
28,120.3	123	International Equity Income Func	-4.12	-9.66	-13.14	-13.14	3.38	3.54	-0.18	5.97
130,509.9	172	Global Equity Income Funds	-6.05	-9.76	-9.42	-9.42	3.06	4.37	2.72	7.69
<b>3,197,942.3</b>	<b>4,460</b>	<b>World Equity Funds</b>	<b>-5.28</b>	<b>-11.98</b>	<b>-14.45</b>	<b>-14.45</b>	<b>4.74</b>	<b>4.37</b>	<b>1.39</b>	<b>7.62</b>
<b>12,296,576.0</b>	<b>14,958</b>	<b>Equity Funds - EFPA</b>	<b>-7.60</b>	<b>-13.39</b>	<b>-9.96</b>	<b>-9.96</b>	<b>3.85</b>	<b>5.31</b>	<b>3.39</b>	<b>9.90</b>
<b>Mixed Asset Funds</b>										
236,013.4	662	Flexible Portfolio Funds	-4.24	-8.57	-7.31	-7.31	2.13	3.75	2.00	7.35
20,629.3	147	Mixed-Asset Target 2010 Funds	-2.14	-4.57	-3.65	-3.65	2.97	3.93	2.97	6.76
54,419.2	145	Mixed-Asset Target 2015 Funds	-2.80	-5.53	-4.06	-4.06	3.34	4.32	3.24	7.49
156,870.2	247	Mixed-Asset Target 2020 Funds	-3.04	-6.09	-4.59	-4.59	3.37	4.36	3.16	7.58
177,937.9	236	Mixed-Asset Target 2025 Funds	-3.77	-7.22	-5.22	-5.22	3.94	4.86	3.55	8.59
190,453.1	254	Mixed-Asset Target 2030 Funds	-4.65	-8.74	-6.30	-6.30	4.32	5.32	3.78	8.84
146,065.3	232	Mixed-Asset Target 2035 Funds	-5.60	-10.23	-7.14	-7.14	4.83	5.76	4.07	9.49
140,581.2	250	Mixed-Asset Target 2040 Funds	-6.09	-11.07	-7.90	-7.90	4.77	5.84	4.09	9.45
97,568.7	228	Mixed-Asset Target 2045 Funds	-6.60	-11.76	-8.20	-8.20	5.06	6.04	4.26	9.83
77,595.3	250	Mixed-Asset Target 2050 Funds	-6.61	-11.88	-8.50	-8.50	4.89	6.01	4.21	9.54
570,619.3	500	Mixed-Asset Target Alloc Growth	-5.72	-10.03	-6.81	-6.81	3.85	4.99	3.91	8.75
365,641.8	600	Mixed-Asset Target Alloc Modera	-4.20	-7.64	-5.81	-5.81	3.03	4.31	3.18	7.51
114,330.6	353	Mixed-Asset Target Alloc Consv l	-2.26	-4.73	-4.11	-4.11	2.06	3.36	2.52	6.05
18,856.5	82	Convertible Securities Funds	-4.51	-9.61	-1.91	-1.91	5.36	6.36	4.18	9.95
28,185.4	223	Absolute Return Funds	-1.51	-4.11	-4.51	-4.51	0.48	1.33	0.84	2.34
4,930.4	117	Retirement Income Funds	-2.32	-4.52	-3.99	-3.99	2.91	4.18	3.24	7.56
39,674.7	178	Mixed-Asset Target Today Funds	-1.81	-4.08	-3.58	-3.58	2.39	3.30	2.41	5.56
96,636.7	253	Alternative Credit Focus Funds	-0.62	-1.62	-1.45	-1.45	1.49	3.08	1.77	4.62
9,799.1	71	Alternative Event Driven Funds	-2.47	-4.04	-1.44	-1.44	2.09	3.52	1.98	5.77
85,748.0	275	Alternative Global Macro Funds	-2.50	-5.66	-5.82	-5.82	1.74	2.79	0.71	5.13
29,749.0	218	Alternative Multi-Strategy Funds	-1.94	-4.77	-5.39	-5.39	-0.46	0.68	0.59	3.96
44,549.5	443	Mixed-Asset Target 2055+ Funds	-6.92	-12.27	-8.54	-8.54	5.21	6.16	4.34	10.04
26,830.6	174	Mixed-Asset Target Alloc Agg Gr	-7.44	-13.30	-9.79	-9.79	4.20	5.19	3.64	9.37
<b>2,733,685.3</b>	<b>6,138</b>	<b>Mixed Asset Funds</b>	<b>-4.18</b>	<b>-7.93</b>	<b>-6.00</b>	<b>-6.00</b>	<b>3.17</b>	<b>4.31</b>	<b>2.99</b>	<b>7.71</b>
<b>3,441,443.3</b>	<b>4,442</b>	<b>Domestic L-T Fixed Inc Funds</b>	<b>-0.01</b>	<b>-0.93</b>	<b>-0.99</b>	<b>-0.99</b>	<b>1.47</b>	<b>2.77</b>	<b>1.98</b>	<b>4.76</b>
<b>441,930.5</b>	<b>1,015</b>	<b>World Income Funds</b>	<b>0.57</b>	<b>-0.46</b>	<b>-3.22</b>	<b>-3.22</b>	<b>2.08</b>	<b>3.48</b>	<b>1.25</b>	<b>4.18</b>

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