

Lipper Performance Report

Investment Objective Performance Summary

Total Net Assets (\$millions)	# of Funds	Type of Fund	Cumulative Total Reinvested Performance %							
			YTD	1 Week	4 Weeks	13 Weeks	52 Weeks	2 Years*	3 Years*	5 years*
			12/31/17 to 11/15/18	11/8/18 to 11/15/18	10/18/18 to 11/15/18	8/16/18 to 11/15/18	11/16/17 to 11/15/18	11/10/16 to 11/15/18	11/12/15 to 11/15/18	11/14/13 to 11/15/18
U.S. Diversified Equity Funds										
1,080,295.8	692	Large-Cap Growth Funds	6.70	-3.33	-2.16	-5.51	8.78	17.97	12.13	11.51
880,359.5	795	Large-Cap Core Funds	2.33	-2.39	-1.09	-3.64	6.18	12.90	10.70	9.41
510,665.6	481	Large-Cap Value Funds	-0.15	-2.00	-0.65	-3.04	4.51	9.84	9.47	7.85
380,135.9	568	Multi-Cap Growth Funds	4.78	-3.20	-2.37	-6.06	7.11	16.51	11.21	9.80
1,273,345.3	831	Multi-Cap Core Funds	0.43	-2.39	-1.21	-4.74	4.19	11.47	9.53	8.12
247,841.1	407	Multi-Cap Value Funds	-2.07	-2.21	-1.03	-4.37	2.52	8.86	8.93	7.10
249,400.2	393	Mid-Cap Growth Funds	3.27	-3.05	-2.36	-7.30	6.40	14.97	10.74	8.74
313,275.0	442	Mid-Cap Core Funds	-2.44	-2.11	-1.35	-6.44	1.45	8.96	8.34	6.53
123,678.9	204	Mid-Cap Value Funds	-4.60	-2.30	-1.28	-6.55	-0.32	6.68	7.61	6.18
187,094.2	574	Small-Cap Growth Funds	6.14	-4.02	-3.28	-8.85	10.38	16.88	12.27	8.38
528,021.9	1,021	Small-Cap Core Funds	-1.85	-2.82	-1.97	-8.89	1.66	9.49	9.37	6.74
133,204.0	301	Small-Cap Value Funds	-4.17	-2.67	-1.72	-9.14	-0.23	7.32	8.83	5.24
1,305,228.8	122	S&P 500 Index Funds	3.47	-2.65	-1.24	-3.53	7.16	13.87	11.82	10.50
459,623.7	559	Equity Income Funds	0.25	-1.80	-0.23	-2.96	4.34	9.84	9.57	7.58
3,845.7	31	Specialty Diversified Equity Fund	-2.56	-1.37	-0.95	-2.66	-1.80	3.63	1.53	-3.24
11,211.2	161	Dedicated Short Bias Funds	-4.50	3.35	2.73	5.94	-9.76	-20.84	-22.87	-19.42
22,821.8	98	Alternative Equity Market Neutral	-0.22	-0.26	0.41	0.08	-0.36	-0.02	-0.42	1.48
44,987.6	352	Alternative Long/Short Equity Funds	-1.27	-1.39	-0.84	-2.97	0.79	5.53	4.25	3.83
35,485.9	223	Equity Leverage Funds	-9.07	-4.36	-3.84	-10.07	-4.37	14.54	12.46	6.85
11,151.1	23	Alternative Active Extension Funds	0.30	-2.81	-1.65	-5.28	4.14	12.25	9.75	9.36
7,801,672.5	8,278	U.S. Diversified Equity Funds	0.68	-2.52	-1.53	-5.54	4.04	11.13	9.15	7.41
Sector Equity Funds										
111,440.7	104	Health/Biotechnology Funds	6.60	-4.57	-4.77	-5.75	9.95	13.30	7.53	11.80
38,893.3	92	Natural Resources Funds	-11.78	-3.97	-9.57	-10.78	-4.17	-3.62	-0.27	-7.17
130,959.6	185	Science & Technology Funds	4.20	-3.29	-2.86	-7.82	3.89	20.51	16.26	14.44
11,973.6	37	Telecommunication Funds	-2.37	-1.72	-1.54	-3.51	1.90	6.69	5.91	5.03
31,623.8	63	Utility Funds	4.43	-1.25	0.04	-0.45	1.18	11.55	10.56	7.63
65,062.1	97	Financial Services Funds	-4.25	-1.98	-0.64	-7.87	0.23	9.73	9.25	8.07
144,646.8	266	Real Estate Funds	-0.99	-0.96	1.91	-3.26	-1.26	5.96	5.22	7.64
13,215.7	75	Specialty/Miscellaneous Funds	-1.70	-0.91	-0.94	-2.37	-1.01	1.12	-1.49	-11.06
21,957.8	73	Precious Metals Equity Funds	-22.67	-2.16	-6.67	0.44	-18.90	-12.37	9.13	-4.49
13,260.8	34	Basic Materials Funds	-13.33	-2.29	-0.00	-6.76	-7.83	7.05	11.19	1.88
18,844.6	37	Consumer Goods Funds	-3.63	-1.37	1.86	-2.09	0.77	7.64	6.26	6.52
24,952.8	38	Consumer Services Funds	2.91	-3.51	-1.06	-4.88	9.75	11.51	7.61	7.30
4,061.2	27	Global Financial Services Funds	-8.75	-2.77	-1.82	-5.93	-5.17	7.43	4.63	4.78
57,868.5	43	Global Health/Biotechnology Funds	6.58	-3.09	-2.53	-2.72	8.50	9.77	5.15	9.88
29,843.5	116	Global Natural Resources Funds	-10.76	-2.95	-5.32	-7.05	-4.66	0.87	3.65	-4.47
36,525.3	187	Global Real Estate Funds	-2.19	-0.69	1.78	-2.80	-0.32	6.61	4.71	4.80
19,142.0	64	Global Science/Technology Funds	1.63	-2.83	-2.22	-8.07	0.16	20.62	16.92	15.38
35,115.8	59	Industrials Funds	-6.00	-1.86	-0.58	-5.91	-0.26	9.89	10.07	7.34
16,455.9	45	International Real Estate Funds	-5.86	-0.47	0.90	-3.24	-1.36	7.88	4.78	2.98
21,142.3	126	Alternative Managed Futures Funds	-7.85	0.12	-1.36	-4.77	-5.93	-2.57	-2.30	1.03
1,080.6	26	Commodities Agriculture Funds	-8.31	-1.02	-2.78	-0.71	-9.66	-11.22	-7.00	-10.62
47,656.2	22	Commodities Precious Metals Funds	-9.46	-1.39	-0.79	3.17	-8.25	-4.52	2.97	-4.03
962.0	22	Commodities Specialty Funds	-2.19	-1.72	-3.14	-3.50	0.19	-1.96	-11.18	-10.77
38,057.2	136	Commodities General Funds	-5.34	-1.47	-4.94	-1.86	-1.90	1.00	1.66	-6.82
3,239.6	21	Commodities Energy Funds	5.23	-3.32	-9.94	-4.07	10.28	10.80	0.84	-14.79
286.3	15	Commodities Base Metals Funds	-17.15	0.26	-1.05	3.37	-11.56	2.45	8.24	-2.08
42,075.2	148	Energy MLP Funds	-6.49	-3.90	-7.40	-10.81	-0.31	-3.21	0.44	-5.25
16,250.4	107	Global Infrastructure Funds	-5.84	-2.02	-0.80	-3.83	-4.65	6.46	6.14	4.44
996,593.6	2,265	Sector Equity Funds	-3.74	-2.07	-2.17	-4.97	-1.08	5.68	5.73	3.72
World Equity Funds										
104,379.6	146	Global Large-Cap Growth	-0.10	-2.29	-0.61	-5.17	1.96	13.70	9.00	7.15
108,346.4	91	Global Large-Cap Core	-4.59	-1.88	-0.74	-4.47	-1.75	9.27	7.30	5.17
24,443.0	48	Global Large-Cap Value	-4.43	-1.48	-0.60	-3.53	-1.50	7.66	6.55	4.34
47,822.7	255	Global Multi-Cap Growth	-2.48	-2.28	-1.44	-6.14	-0.33	11.87	8.25	6.69
72,896.6	172	Global Multi-Cap Core	-4.00	-2.07	-1.19	-4.64	-0.98	9.86	8.19	6.09
52,636.1	121	Global Multi-Cap Value	-6.03	-2.15	-1.44	-4.58	-2.86	7.55	6.47	4.44
274,732.9	192	International Large-Cap Growth	-9.82	-1.56	-0.69	-6.28	-8.02	7.18	4.23	2.33
115,451.7	87	International Large-Cap Core	-10.45	-1.77	-1.64	-5.94	-8.11	6.10	3.25	1.29
30,144.2	40	International Large-Cap Value	-11.49	-2.29	-1.90	-4.91	-8.38	4.75	2.69	-0.09
311,628.4	535	International Multi-Cap Growth	-10.46	-1.87	-1.44	-7.10	-8.09	7.67	4.54	2.42
834,834.4	431	International Multi-Cap Core	-10.34	-1.86	-1.51	-5.44	-7.76	6.64	4.06	1.81
113,992.6	186	International Multi-Cap Value	-11.89	-2.16	-2.15	-5.40	-8.97	5.09	3.33	0.77

* Periods longer than one year are annualized.

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			12/31/17 to 11/15/18	11/8/18 to 11/15/18	10/18/18 to 11/15/18	8/16/18 to 11/15/18	11/16/17 to 11/15/18	11/10/16 to 11/15/18	11/12/15 to 11/15/18	11/14/13 to 11/15/18
80,133.3	236	International Small/Mid-Cap Grov	-12.96	-3.04	-3.56	-8.91	-9.07	8.25	5.78	4.02
23,222.2	66	International Small/Mid-Cap Core	-13.35	-2.64	-2.53	-7.30	-9.22	6.49	4.65	2.81
17,928.6	18	International Small/Mid-Cap Valu	-13.70	-2.21	-2.47	-5.29	-9.92	4.08	4.92	2.49
66,401.6	159	European Region Funds	-11.19	-2.61	-2.12	-7.29	-8.79	7.22	3.06	1.56
14,602.3	50	Pacific Region Funds	-11.65	-0.98	0.13	-5.77	-9.18	7.28	7.05	3.88
35,072.7	53	Japanese Funds	-9.65	-1.62	-3.38	-4.84	-6.86	7.52	5.93	6.32
23,583.1	73	Pacific Ex Japan Funds	-14.85	-0.01	2.60	-5.79	-12.95	6.89	6.04	3.51
20,030.4	91	China Region Funds	-15.48	0.55	5.03	-5.05	-14.97	7.78	4.86	5.12
487,518.4	903	Emerging Markets Funds	-14.41	-0.28	1.95	-3.98	-11.64	6.34	6.18	1.07
11,475.4	34	Latin American Funds	-10.09	-0.55	-1.14	2.38	-5.63	7.94	11.74	-2.72
63,925.7	157	Global Small-/Mid-Cap Funds	-6.22	-3.15	-3.23	-8.12	-2.16	10.15	9.14	5.41
9,420.7	28	India Region Funds	-17.97	1.73	5.40	-10.84	-12.12	3.98	6.20	11.12
28,736.5	137	International Equity Income Func	-10.06	-1.49	-0.57	-4.23	-6.91	5.74	4.20	0.79
129,095.2	175	Global Equity Income Funds	-4.24	-1.56	-0.45	-3.47	-1.22	7.22	6.13	4.18
3,102,454.8	4,484	World Equity Funds	-9.96	-1.60	-0.63	-5.55	-7.24	7.59	5.68	3.01
11,900,721.0	15,027	Equity Funds - EFPA	-3.11	-2.18	-1.35	-5.46	-0.04	9.30	7.65	5.65
Mixed Asset Funds										
240,214.6	661	Flexible Portfolio Funds	-3.38	-1.35	-1.17	-3.70	-1.20	5.39	4.91	3.26
20,681.4	147	Mixed-Asset Target 2010 Funds	-1.85	-0.66	-0.44	-2.25	-0.40	4.41	4.40	3.61
54,292.2	145	Mixed-Asset Target 2015 Funds	-1.76	-0.82	-0.48	-2.44	-0.13	5.19	4.95	4.04
155,706.0	255	Mixed-Asset Target 2020 Funds	-2.08	-0.90	-0.57	-2.71	-0.38	5.35	5.04	3.99
175,446.0	239	Mixed-Asset Target 2025 Funds	-2.08	-1.11	-0.61	-3.03	-0.12	6.44	5.81	4.63
187,359.8	262	Mixed-Asset Target 2030 Funds	-2.31	-1.36	-0.75	-3.48	-0.05	7.48	6.55	5.09
143,364.0	232	Mixed-Asset Target 2035 Funds	-2.25	-1.64	-0.84	-3.85	0.27	8.70	7.34	5.71
137,935.5	258	Mixed-Asset Target 2040 Funds	-2.56	-1.76	-0.93	-4.16	0.11	9.00	7.59	5.79
95,383.5	228	Mixed-Asset Target 2045 Funds	-2.37	-1.89	-0.92	-4.29	0.41	9.67	7.99	6.16
75,718.2	250	Mixed-Asset Target 2050 Funds	-2.68	-1.89	-0.97	-4.42	0.12	9.49	7.94	6.05
563,163.5	509	Mixed-Asset Target Alloc Growth	-1.81	-1.65	-0.98	-3.68	0.71	7.71	6.60	5.50
363,060.3	599	Mixed-Asset Target Alloc Modera	-2.12	-1.22	-0.73	-3.01	-0.14	5.91	5.40	4.32
114,274.1	354	Mixed-Asset Target Alloc Consv I	-2.19	-0.74	-0.61	-2.29	-0.87	3.61	3.82	3.12
18,716.3	83	Convertible Securities Funds	1.99	-1.90	-1.53	-3.38	2.27	8.99	7.27	5.49
29,321.2	225	Absolute Return Funds	-3.08	-0.55	-0.69	-2.31	-1.86	2.07	1.85	1.48
4,860.8	117	Retirement Income Funds	-2.19	-0.63	-0.26	-2.14	-0.57	4.73	4.67	3.95
39,752.9	186	Mixed-Asset Target Today Funds	-2.08	-0.56	-0.45	-2.20	-0.78	3.55	3.68	2.89
9,624.4	71	Alternative Event Driven Funds	0.52	-0.97	-0.50	-1.16	1.93	4.84	4.43	2.05
86,990.0	271	Alternative Global Macro Funds	-3.97	-0.84	-0.97	-2.61	-2.37	3.49	3.00	1.54
29,186.1	223	Alternative Multi-Strategy Funds	-3.49	-0.63	-0.68	-2.50	-2.30	1.32	1.23	1.13
42,966.7	446	Mixed-Asset Target 2055+ Funds	-2.41	-1.98	-0.96	-4.47	0.45	9.97	8.21	6.32
26,550.8	177	Mixed-Asset Target Alloc Agg Gr	-3.17	-2.11	-1.17	-5.08	-0.40	9.43	7.37	5.76
2,614,568.3	5,938	Mixed Asset Funds	-2.42	-1.29	-0.83	-3.32	-0.37	6.30	5.48	4.27
3,328,788.5	4,192	Domestic L-T Fixed Inc Funds	-1.03	-0.18	-0.38	-0.91	-0.57	1.55	2.45	2.01
350,205.4	769	World Income Funds	-4.92	-0.38	-0.54	-0.52	-3.67	1.42	2.85	0.93

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