



DOES PAST PERFORMANCE MATTER? THE PERSISTENCE SCORECARD

About the Persistence Scorecard

The phrase "past performance is not an indicator of future outcomes" (or some variation thereof) can be found in the fine print of most mutual fund literature. Yet due to either force of habit or conviction, investors and advisors consider past performance and related metrics to be important factors in fund selection. So does past performance really matter?

To answer this question on a continuous basis, the S&P Persistence Scorecard, released twice per year, tracks the consistency of top performers over yearly consecutive periods and measures performance persistence through transition matrices. As in our widely followed SPIVA[®] Scorecards, the University of Chicago's Center for Research in Security Prices Survivorship (CRSP) Bias Free Mutual Fund Database serves as our underlying data source.¹

S&P Dow Jones Indices is one of the world's leading index providers, maintaining a wide variety of investable and benchmark indices to meet an array of investor needs. Our Index Research & Design team is dedicated to conducting unbiased, in-depth analysis on a broad range of topics and issues facing investors in today's marketplace. This scorecard highlights performance persistence over three- and five-year consecutive 12-month periods and two non-overlapping three- and five-year periods.

Key features of the S&P Persistence Scorecard include:

 Historical rankings without survivorship bias: For anyone making an investment decision, all funds available at the time of that decision are part of the initial opportunity set. Nevertheless, in their persistence calculations, analysts often limit their sample to funds that continue to exist over the complete time period examined, ranking only the survivors. If that happens, funds that liquidate or merge during a period of study are disregarded, biasing measurements of persistence. Using the University of Chicago's CRSP Survivorship Bias Free Mutual Fund Database, the S&P Persistence Scorecard ranks all funds available at each point in time and tracks the top-quartile and top-half performers throughout the time period. This approach accounts for all initially available funds.

July 2013

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¹The CRSP Survivor-Bias-Free US Mutual Fund Database is the only complete database of both active and liquidated/merged mutual funds. It was created in 1995 and contains fund data from December 1961. Current and historical data from August 1998 has been supplied by Lipper and Thomson Reuters. The fund classifications are based on the Lipper fund classification system.

- Clean universe: The mutual fund universe used in these reports comprises actively managed domestic U.S. equity funds. Index funds, sector funds and index-based dynamic (bull/bear) funds are excluded from the sample. To avoid double-counting multiple share classes, only the largest share class of a fund is used.
- Transition matrices: Transition matrices show the movements between quartiles and halves over two
 non-overlapping three- and five-year periods. They also track the percentage of funds that have merged
 or liquidated. In addition, we monitor movements between capitalization levels. This helps us capture,
 for example, the conversion of some large-cap funds to mid- and small-cap funds.
- Tracking reports of top performers: The tracking reports show the percentages of funds that remain in the top-quartile or top-half rankings over three- and five-consecutive-year periods.

SUMMARY OF RESULTS

- Very few funds can consistently stay at the top. Out of 703 funds that were in the top quartile as of March 2011, only 4.69% managed to stay in the top quartile over three consecutive 12-month periods at the end of March 2013. Further, 3.35% of the large-cap funds and 6.08% of the small-cap funds remain in the top quartile. It is worth noting that no mid-cap funds managed to remain in the top quartile.
- For the three years ended March 2013, 16.57% of large-cap funds, 14.22% of mid-cap funds and 23.05% of small-cap funds maintained a top-half ranking over three consecutive 12-month periods. Random expectations would suggest a rate of 25%.
- Looking at longer-term performance, only 2.41% of large-cap funds, 3.21% of mid-cap funds and 4.65% of small-cap funds maintained a top-half performance over five consecutive 12-month periods. Random expectations would suggest a repeat rate of 6.25%.
- While top-quartile and top-half repeat rates have been at or below the levels one expects based on chance, there is consistency in the death rate of bottom-quartile funds. Across all market cap categories and all periods studied, fourth-quartile funds had a much higher rate of being merged and liquidated.

EXHIBITS

Exhibit 1: Performance Persistence Over Three Consecutive 12-Month Periods							
Mutual Fund Category	Fund Count at Start	Percentage Remaining in Top Quartile					
	Mar-11	Mar-12	Mar-13				
Top Quartile							
All Domestic Funds	703	30.73	4.69				
All Large-Cap Funds	269	30.11	3.35				
All Mid-Cap Funds	102	29.41	0				
All Small-Cap Funds	148	30.41	6.08				
All Multi-Cap Funds	184	32.61	8.15				
	Mar-11	Mar-12	Mar-13				
Top Half							
All Domestic Funds	1,405	49.75	18.36				
All Large-Cap Funds	537	51.96	16.57				
All Mid-Cap Funds	204	49.51	14.22				
All Small-Cap Funds	295	51.53	23.05				
All Multi-Cap Funds	369	45.26	19.51				
Source: S&P Dow Jones Indices. Data as	of March 31, 2013. Tables are provid	led for illustrative purposes.	Past performance is not a				

Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

Exhibit 2: Performance Persistence Over Five Consecutive 12-Month Periods							
Mutual Fund Category	Fund Count at Start	Percentage Remaining in Top Quartile					
	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13		
Top Quartile							
All Domestic Funds	558	11.83	4.3	1.79	0.18		
All Large-Cap Funds	187	8.02	5.35	1.6	0		
All Mid-Cap Funds	94	11.7	2.13	2.13	0		
All Small-Cap Funds	129	16.28	5.43	1.55	0.78		
All Multi-Cap Funds	148	12.84	3.38	2.03	0		
Mutual Fund Category	Fund Count at Start	Percentage Remaining in Top Half			Half		
	Mar-09	Mar-10	Mar-11	Mar-12	Mar-13		
Top Half							
All Domestic Funds	1,115	32.02	15.61	9.87	3.59		
All Large-Cap Funds	374	31.55	18.72	10.16	2.41		
All Mid-Cap Funds	187	29.41	10.7	9.09	3.21		
All Small-Cap Funds	258	35.27	15.89	8.53	4.65		
All Multi-Cap Funds	296	31.42	14.53	11.15	4.39		

Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

Exhibit 3: Three-Year Transition Matrix									
Performance Over Two Non-Overlapping Three-Year Periods (Based on Quartiles)									
	Three-Year Percentage at End								
Mutual Fund Category	Fund Count at Start (Mar-10)	1st Quartile (%)	2nd Quartile (%)	3rd Quartile (%)	4th Quartile (%)	Merged/ Liquidated (%)	Style Changed (%)	Total (%)	
All Domestic Funds									
1st Quartile	483	23.81	20.91	21.95	24.02	9.32	0	100	
2nd Quartile	483	21.12	23.81	22.77	21.53	10.77	0	100	
3rd Quartile	483	18.43	18.22	21.74	21.53	20.08	0	100	
4th Quartile	483	19.46	20.08	16.36	15.73	28.36	0	100	
Large-Cap Funds									
1st Quartile	170	18.82	18.24	18.24	22.35	10	12.35	100	
2nd Quartile	170	20	17.06	21.18	16.47	15.29	10	100	
3rd Quartile	170	14.71	19.41	15.29	19.41	18.82	12.36	100	
4th Quartile	170	16.47	15.29	14.12	11.76	31.18	11.17	100	
Mid-Cap Funds									
1st Quartile	74	17.57	16.22	14.86	17.57	13.51	20.27	100	
2nd Quartile	73	15.07	17.81	13.7	12.33	13.7	27.4	100	
3rd Quartile	74	12.16	8.11	16.22	10.81	13.51	39.19	100	
4th Quartile	73	10.96	13.7	10.96	15.07	31.51	17.81	100	

Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

Performance Over Two Non-Overlapping Three-Year Percentage at End Three-Year Percentage at End Mutual Fund Category Fund Start (Mar-10) 1st Quartile (%) 2nd Quartile (%) 3rd Quartile (%) 4th Quartile Quartile (%) Merged/ Liquidated (%) Style Changed/ (%) Total (%) Small-Cap Funds 112 23.21 12.5 21.43 31.25 6.25 5.36 100 2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 4th Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 16.41 14.06 11.72 8.	Exhibit 3: Three-Year Transition Matrix (continued)								
Fund Category Fund Start (Mar-10) 1st Quartile (Mar-10) 2nd Quartile Quartile 3rd Quartile Quartile 4th Quartile Quartile Merged/ Quartile Quartile Style Liquidated Quartile Total Changed Small-Cap Funds 112 23.21 12.5 21.43 31.25 6.25 5.36 100 2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds Ist Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 10.94 19.53 15.63 20.31 22.66 100 3rd Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Pe	Performance Over Two Non-Overlapping Three-Year Periods (Based on Quartiles)								
Mutual Fund Category Fund Start (Mar-10) 1st Quartile 2nd Quartile 3rd Quartile 4th Quartile Merged/ Liquidated (%) Style Liquidated (%) Total Changed (%) Small-Cap Funds 112 23.21 12.5 21.43 31.25 6.25 5.36 100 2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Muti-Cap Funds 112 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 10.94 19.95 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two Non-Overlapping Three-Year Periods (Baset on Halves) Changed (%) C		Three-Year Percentage at End							
Small-Cap Funds 1st Quartile 112 23.21 12.5 21.43 31.25 6.25 5.36 100 2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds Ist Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Other Mathematic Mathemat	Mutual Fund Category	Fund Count at Start (Mar-10)	1st Quartile (%)	2nd Quartile (%)	3rd Quartile (%)	4th Quartile (%)	Merged/ Liquidated (%)	Style Change (%)	d Total (%)
1st Quartile 112 23.21 12.5 21.43 31.25 6.25 5.36 100 2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds St Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two-Ver/Happing Three-Year Percentage Merged/ (%) Merged/ (%) Style Changed (%) Motol (%) Merged (%) Merged (%) Merged (%) Mer	Small-Cap Funds								
2nd Quartile 111 16.22 27.03 27.03 15.32 3.6 10.81 100 3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds Image: Carrier Carri	1st Quartile	112	23.21	12.5	21.43	31.25	6.25	5.36	100
3rd Quartile 112 18.75 23.21 19.64 18.75 16.07 3.57 100 4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds 151 22.52 18.02 11.71 15.32 28.83 3.6 100 Ist Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two Nor-Verlapping Three-Year Veriods (Based on Half Merged/ (%) Style Style Changed (%) Total (%) All Domestic Funds 966 44.82 45.13 10.04 0 100 100 Bottom Half 966 38.1 37.68 24.22 0 1	2nd Quartile	111	16.22	27.03	27.03	15.32	3.6	10.81	100
4th Quartile 111 22.52 18.02 11.71 15.32 28.83 3.6 100 Multi-Cap Funds Ist Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 3rd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Tvorver/arpping Tree-Year Periods (Bettom Half Merged/ (%) Style Changed (%) Changed (%) Total (%) All Domestic Funds Top Half 966 38.1 37.68 24.22 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Bottom Half 940 37.06 39.12 12.65 11.17 100 100 </td <td>3rd Quartile</td> <td>112</td> <td>18.75</td> <td>23.21</td> <td>19.64</td> <td>18.75</td> <td>16.07</td> <td>3.57</td> <td>100</td>	3rd Quartile	112	18.75	23.21	19.64	18.75	16.07	3.57	100
Multi-Cap Funds 1st Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two-ver/apping Three-Year Veriods (Baset Vering Verin	4th Quartile	111	22.52	18.02	11.71	15.32	28.83	3.6	100
1st Quartile 128 17.97 21.09 11.72 14.84 7.81 26.57 100 2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two-Verlapping Three-Year Veriots (Based on Half Merged/ (%) Style Top Half Merged/ (%) Style Changed (%) Total (%) All Domestic Funds 966 44.82 45.13 10.04 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Bottom Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100	Multi-Cap Funds								
2nd Quartile 128 15.63 14.84 17.97 21.88 11.72 17.97 100 3rd Quartile 128 10.94 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two-Overlapping Tree-Year Veriods (Based on the term of the term of the term of term o	1st Quartile	128	17.97	21.09	11.72	14.84	7.81	26.57	100
3rd Quartile 128 10.94 19.53 15.63 20.31 22.66 100 4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two Norverlapping Tree-Year Verat Verst Ve	2nd Quartile	128	15.63	14.84	17.97	21.88	11.72	17.97	100
4th Quartile 128 16.41 14.06 11.72 8.59 29.69 19.53 100 Performance Over Two Non-overlapping Three-Year Periods (Based on Halfers) Three-Year Percentage at End Mutual Fund Category Fund Count at Start (Mar-10) Top Half (%) Merged/Liquidated (%) Style Changed (%) Total (%) All Domestic Funds 966 44.82 45.13 10.04 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Large-Cap Funds Top Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100	3rd Quartile	128	10.94	10.94	19.53	15.63	20.31	22.66	100
Performance Over Two Non-Overlapping Three-Year Periods (Based on Halves)Three-Year Percentage at EndMutual Fund CategoryFund Count at Start (Mar-10)Top Half (%)Bottom Half (%)Merged/ Liquidated (%)Style Changed (%)Total (%)All Domestic Funds96644.8245.1310.040100Bottom Half96638.137.6824.220100Large-Cap FundsTop Half34037.0639.1212.6511.17100Bottom Half34032.9430.292511.76100	4th Quartile	128	16.41	14.06	11.72	8.59	29.69	19.53	100
Mutual Fund CategoryFund Count at Start (Mar-10)Top Half (%)Bottom Half (%)Merged/ Liquidated (%)Style Changed (%)Total (%)All Domestic FundsTop Half96644.8245.1310.040100Bottom Half96638.137.6824.220100Large-Cap FundsTop Half34037.0639.1212.6511.17100Bottom Half34032.9430.292511.76100	Performance Over T	wo Non-C	overlapping 7	Three-Year	Periods (Based on H	lalves)		
Mutual Fund Category Fund Count at Start (Mar-10) Top Half (%) Bottom Half (%) Merged/ Liquidated (%) Style Changed (%) Total (%) All Domestic Funds 700 966 44.82 45.13 10.04 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Large-Cap Funds Top Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100					Thre	ee-Year Perc	entage at End	d	
Air Domestic Funds Top Half 966 44.82 45.13 10.04 0 100 Bottom Half 966 38.1 37.68 24.22 0 100 Large-Cap Funds Top Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100	Mutual Fund Category		Fund Count at Start (Mar-10)	Top Half (%)	Botton Half (%	n Merg Liquio) (%	ged/ St dated Cha %) (yle Inged T %)	otal (%)
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Bottom Hair 966 38.1 37.68 24.22 0 100 Large-Cap Funds Image: Second Se			966	44.82	45.13	10.	.04	0	100
Large-Cap Funds Top Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100	Bottom Hair		966	38.1	37.68	24.	.22	0	100
Top Half 340 37.06 39.12 12.65 11.17 100 Bottom Half 340 32.94 30.29 25 11.76 100	Large-Cap Funds								
Bottom Half 340 32.94 30.29 25 11.76 100	Top Half		340	37.06	39.12	12.	.65 11	1.17	100
	Bottom Half		340	32.94	30.29	2	5 1 1	.76	100
Mid-Cap Funds	Mid-Cap Funds								
Top Half 147 33.33 29.25 13.61 23.8 100	Top Half		147	33.33	29.25	13.	.61 2	3.8	100
Bottom Half 147 22.45 26.53 22.45 28.57 100	Bottom Half		147	22.45	26.53	22.	.45 28	3.57	100
Small-Cap Funds	Small-Cap Funds								
Top Half 223 39.46 47.53 4.93 8.07 100	Top Half		223	39.46	47.53	4.9	93 8	.07	100
Bottom Half 223 41.26 32.74 22.42 3.59 100	Bottom Half		223	41.26	32.74	22.	.42 3	.59	100
Multi-Can Funde	Multi-Cap Funda								
Top Half 256 24.77 20.0 0.77 20.00 400	Ton Half		256	24 77	22.0		77 04		100
Bottom Half 256 26.17 27.73 25 21.09 100	Bottom Half		256	26 17		9. ว	<u>, 2</u> 25 2	<u>20</u> 1 09	100

Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

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Exhibit 4: Five-Year Transition Matrix									
Performance Over Two Non-Overlapping Five-Year Periods (Based on Quartiles)									
	Five-Year Percentage at End								
Mutual Fund Category	Fund Count at Start (Mar-08)	1st Quartile (%)	2nd Quartile (%)	3rd Quartile (%)	4th Quartile (%)	Me Liqu (rged/ idated %)	Style Chang (%)	ed Total (%)
All Domestic Funds									
1st Quartile	403	29.78	23.08	16.13	18.86	12	2.16	0	100
2nd Quartile	403	21.84	17.62	20.84	16.38	23	3.33	0	100
3rd Quartile	402	13.43	16.42	20.65	23.13	26	6.37	0	100
4th Quartile	403	10.67	18.36	18.11	17.12	35	5.73	0	100
Large-Cap Funds									
1st Quartile	134	11.94	20.15	18.66	23.88	18	3.66	6.71	100
2nd Quartile	134	16.42	17.91	17.91	16.42	18	3.66	12.68	100
3rd Quartile	134	11.94	11.19	13.43	11.19	28	3.36	23.88	100
4th Quartile	134	20.15	11.19	10.45	8.96	38	3.81	10.44	100
Mid-Cap Funds									
1st Quartile	69	10.14	5.8	14.49	11.59	8.7		49.27	100
2nd Quartile	69	15.94	8.7	10.14	13.04	18.84		33.33	
3rd Quartile	69	10.14	18.84	8.7	7.25	24.64		4.64 30.43	
4th Quartile	69	5.8	7.25	8.7	8.7	34	4.78	34.79	100
Small-Cap Funds									
1st Quartile	93	12.9	18.28	26.88	25.81	8	3.6	7.53	100
2nd Quartile	94	17.02	25.53	22.34	17.02	1	1.7	6.39	100
3rd Quartile	93	25.81	18.28	11.83	15.05	27	7.96	1.07	100
4th Quartile	93	17.2	9.68	11.83	13.98	41	1.94	5.37	100
Multi-Cap Funds									
1st Quartile	107	12.15	13.08	9.35	13.08	17	7.76	34.58	100
2nd Quartile	106	12.26	7.55	8.49	9.43	29	9.25	33.01	100
3rd Quartile	107	6.54	9.35	17.76	10.28	26	6.17	29.9	100
4th Quartile	106	12.26	12.26	7.55	9.43	29	9.25	29.24	100
Performance Over	Two Non-O	verlapping	Five-Year	Periods (B	ased on H	alves)		-	
				Fiv	e-Year Per	centag	je at End		
Mutual Fund Category		Fund Count at Start	Top Half (%)	Bottom Half (%)	Merge Liquida	ed/ ated	Sty Chan	le ged	Total (%)

	(Mar-08)			(/0)	(/0)	
All Domestic Funds						
Top Half	806	46.15	36.1	17.74	0	100
Bottom Half	805	29.44	39.5	31.06	0	100
Source: S&P Dow, Jones Indices	Data as of March 31	2013 Tables	are provided f	for illustrativo purposos	Past perform	nanco is not a

Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

Exhibit 4: Five-Year Transition Matrix (continued)							
Performance Over Two Non-Overlapping Five-Year Periods (Based on Halves)							
	Five-Year Percentage at End						
Mutual Fund Category	Fund Count at Start (Mar-08)	Top Half (%)	Bottom Half (%)	Merged/ Liquidated (%)	Style Changed (%)	Total (%)	
Large-Cap Funds							
Top Half	268	33.21	38.43	18.66	9.7	100	
Bottom Half	268	27.24	22.01	33.58	17.17	100	
Mid-Cap Funds							
Top Half	138	20.29	24.64	13.77	41.3	100	
Bottom Half	138	21.01	16.67	29.71	32.61	100	
Small-Cap Funds							
Top Half	187	36.9	45.99	10.16	6.95	100	
Bottom Half	186	35.48	26.34	34.95	3.22	100	
Multi-Cap Funds							
Top Half	213	22.54	20.19	23.47	33.81	100	
Bottom Half	213	20.19	22.54	27.7	29.58	100	

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Source: S&P Dow Jones Indices. Data as of March 31, 2013. Tables are provided for illustrative purposes. Past performance is not a guarantee of future results.

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