# MFDF 15c Benchmarks and Indexes Webinar

Fund Boards' Oversight of Investment Performance

July 28, 2022 Jeff Tjornehoj, Senior Director, Fund Insights





### Benchmark, Index, or Goal?

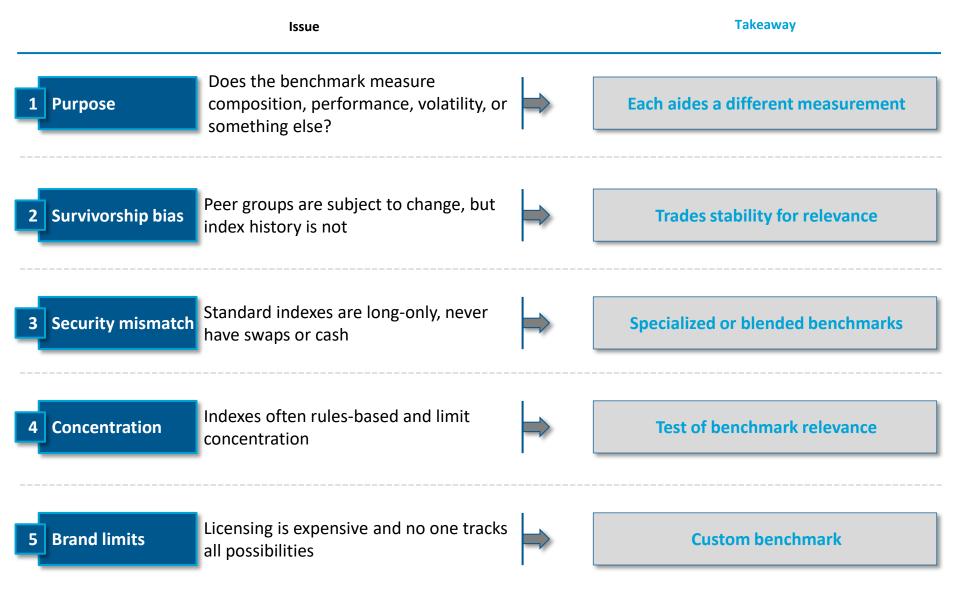
- Anything can be a benchmark: an index, a peer group median or average, a group ranking or a percentile
- Indexes are uninvestable portfolios of securities
- SEC Rule 33-6988 requires mutual funds to reference an "appropriate broad-based securities market index" for performance comparison
  - All performance must be 1, 5, 10 years in *marketing* materials and compared to an index
  - Performance for 15c, quarterly reviews, or other occasions can be for any period
- Performance incentive or "fulcrum" fees heighten index scrutiny
- Some strategies may be better explained as a goal, e.g. "absolute return"

#### **Other Considerations**

- It's very helpful to include r-squared ("R-sq") when comparing index results
  - The farther from 1.00, the less relevant other statistics are
  - Can demonstrate whether the index is mis-specified



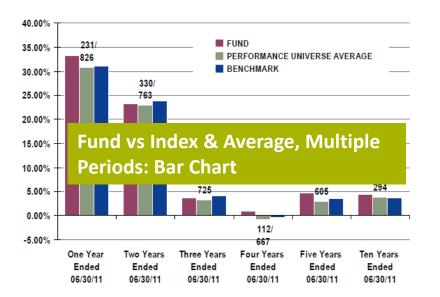
## **Common Issues with Benchmarks**

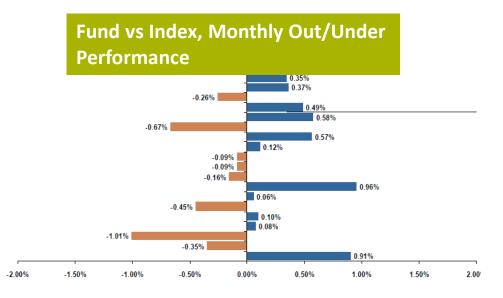




### Benchmarks and Indexes in 15c: Point-in-Time Examples

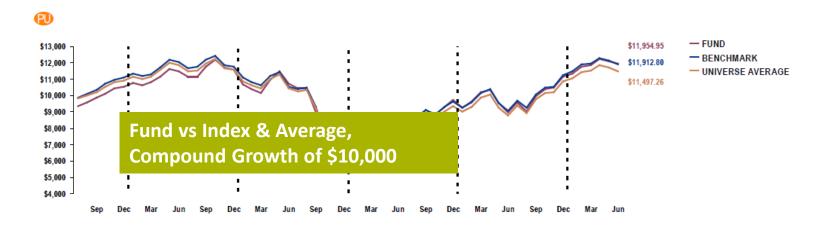
	One Year Ended 06/30/11	Two Years Ended 06/30/11	Three Years Ended 06/30/11	Four Years Ended 06/30/11	Five Years Ended 06/30/11	Ten Years Ended 06/30/11
ABC Fund	33.33%	23.22%	3.66%	0.99%	4.81%	4.48%
Rank	231/826	330/763	345/725	112/667	96/605	97/294
Lipper Mlt-Cap Core Index 🔶	31.16%	23.81%	4.15%	-0.34%	3.56%	3.72%
High	51.24%	39.46%	17.01%	9.16%	10.09%	10.36%
Low	9.55%	6.55%	-9.64%	-8.94%	-5.19%	-3.00%
Median —	31.33%	22.75%	3.52%	-0.57%	3.07%	3.57%
Average	30.90%	Fund vs Index, Multiple Periods: Table				3.79%
20th Percentile	34.57%					5.70%
40th Percentile	32.21%	23.42%	4.05%	-0.21%	3.45%	4.10%
60th Percentile	30.07%	21.94%	2.72%	-1.13%	2.61%	3.13%
80th Percentile	27.02%	20.08%	0.99%	-2.36%	1.51%	2.01%

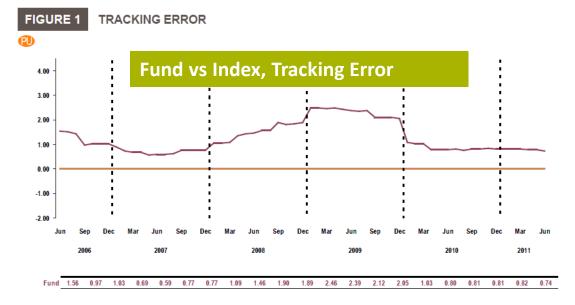






### Benchmarks and Indexes in 15c: Rolling Period Examples







#### **Other Rolling Risk Measures:**

- Sharpe Ratio
- Standard Deviation
- Alpha
- Beta
- Information Ration
- Traynor
- Tracking Difference

## Benchmarks and Indexes in 15c: "MPT" Examples

