The Cerulli **Report**

The State of U.S. Retail and Institutional Asset Management 2021

Targeting Growth Opportunities

OVERVIEW & METHODOLOGY

This report provides a comprehensive overview of the aggregate U.S. asset management landscape. It is intended for U.S. asset managers, or those seeking distribution opportunities in the United States, and provides a quantitative evaluation that sizes the current addressable U.S. asset management landscape, covering all distribution channels, client segments, and product vehicles within the retail and institutional marketplaces—with emphasis on the interaction between these two segments. Furthermore, there are fourteen chapters that take a deeper dive into a client channel or investment vehicle wrapper to provide more granular perspective than that which can be gleaned from the addressable U.S. asset management landscape.

USE THIS REPORT TO

- Understand how different client segments rely on public equity, public fixed income, and alternatives/commodities to meet their investment objectives
- Assess how assets in retail and institutional client channels are shifting and which segments can be expected to grow more than others moving forward
- Gain insight into how different client segments rely on investment vehicle wrappers and how asset managers' vehicle offerings are evolving to meet new client demand
- Explore the growing role that intermediaries (*e.g.*, broker/dealer home offices, consultants) have in the distribution landscape and which factors managers should consider when working with these intermediaries

QUESTIONS ANSWERED

- What is the size of the addressable asset management market in the U.S.?
- Which channels are growing the fastest and offer the most opportunity?
- How are the assets across various investment vehicles growing?
- How are addressable assets allocated across broad distribution types (e.g., direct, affiliated, third-party)?
- How does the use of asset classes vary across different U.S. client segments?

PRODUCT DETAILS

Included with Purchase

- Digital report in PDF format
- Unlimited online firm-wide access
- Exhibits in Excel

- Key findings
- Analyst support
- Interactive Report Dashboards

Interactive Report Dashboards

Interact and explore select report data with Cerulli's visualization tool.

- U.S. Asset Manager Addressable Marketplace Model: Review assets, growth, and marketshare breakouts over the past 10 years for the entire U.S. asset management marketplace.
- U.S. Market Sizing Components: Compare professionally managed assets, growth rates, and marketshare across 25 different channels and 16 different vehicles.



Investment Students	Currently Using		Expected Use Over the Next 12 Months		
Investment Strategy	Yes	No	Increase	Stay the Same	Decrease
Money market funds	84%	16%	18%	71%	11%
Taxable fixed income	80%	20%	22%	69%	10%
Municipal fixed income	70%	30%	17%	75%	8%
Insurance products	70%	30%	33%	61%	6%
Managed volatility	52%	48%	28%	66%	6%
Commodities/precious metals	42%	58%	17%	79%	4%
Liquid alternative	41%	59%	14%	82%	4%
Strategic beta	37%	63%	15%	79%	7%
Options strategies	36%	64%	20%	73%	7%

Exhibit 1.11

Financial Advisors: Current Use and Expected Future Use of Investment Types to Provide Downside Risk Protection, 2021

At least 70% of financial advisors who are providing their clients with downside risk protection are using money market funds, taxable and municipal fixed income, and insurance products to do so.

Source: Cerulli Associates | Analyst Note: "Insurance products" includes variable annuities, fixed annuities, variable life, and LTC.

Table of Contents: Expanded

Methodology			
Executive Summary	19		
Total and Professionally Managed U.S. Assets Under Management, 2016–2020	19		
Marketshare of Retail and Institutional Client Assets, 2010, 2015 & 2020	19		
Top-5 Channel Segments by Professionally Managed U.S. Assets, 2020	19		
U.S. Market Sizing Components by Select Investment Vehicle Growth Rates, 2020	20		
Marketshare of Retail Client Assets by Distribution Method, 2015 vs. 2020	21		
Marketshare of Institutional Client Assets by Distribution Method, 2015 vs. 2020	21		
Institutional and Retail Client Assets by Distribution Method, 2020	21		
Report Authors	22		
Chapter 1: Mapping Asset Class Use Across Client Segments	23		
Introduction	25		
Exhibit 1.01. Asset Class Use by Client Segment Scorecard, 2021	25		
Client Segment Deep Dives	26		
Exhibit 1.02. 401(k) Asset Allocation by Plan Asset Segment, 2020	26		
Trends Impacting DC Channel Asset Class Use	27		
Exhibit 1.03. Prevalence of Alternatives Strategies as Allocations in Target-Date Product, 2021	29		
Exhibit 1.04. Public Defined Benefit Plan Asset Allocation, 2020	30		
Exhibit 1.05. Corporate DB Plan Asset Allocation, 2020	30		
Trends Impacting DB Channel Asset Class Use	31		
Exhibit 1.06. Endowment and Foundations' Asset Allocation, FYE 2020	32		
Trends Impacting Endowment & Foundation Channel Asset Class Use	33		
OCIO and Investment Consultant Intermediation	34		
Exhibt 1.07. Asset Managers: High Demand for ESG Strategies in the Next Two to Three Years by Institutional Client Channel, 2021	34		
Exhibit 1.08. Insurance General Account Asset Allocation by Major Insurance Business Line, 2020	35		
Trends Impacting Insurance General Account Channel Asset Class Use	36		

	Exhibit 1.09. How Insurers Altered Portfolio Exposure in Response to New Lows in Global Interest Rates, 2021	36
	Exhibit 1.10. Financial Advisors' Average Client Portfolio Allocations by Asset Class, 2021	37
	Trends Impacting Retail Intermediary Channel Asset Class Use	38
	Exhibit 1.11. Financial Advisors: Current Use and Expected Future Use of Investment Types to Provide Downside Risk Protection, 2021	39
	Exhibt 1.12. Financial Advisors: Current Use and Expected Future Use of Investment Types to Generate Income, 2021	39
	Alternative Exposure Broadening Beyond Liquid Products	40
	Direct Indexing and Mass Customization	40
	Exhibit 1.13. Managed Account Sponsors' Assessment of the Opportunities for Direct Index Customization, 2021	41
	Exhibit 1.14. Retail Direct Platform Assets by Product, 2020	42
	Trends Impacting Retail Direct Platform Asset Class Use	43
	Interest in Cryptocurrency Rises	43
	Exhibit 1.15. Asset Managers: Perceived Demand for Cryptocurrency Exposures, 2021	44
Ch	papter 2: Market Sizing	. 45
	Exhibit 2.01. U.S. Market Sizing: Total Assets Under Management, 2010–2020	47
	Exhibit 2.02. U.S. Market Sizing Components by Channel, 2010-2020.	48
	Exhibit 2.03. U.S. Market Sizing Components by Channel Growth Rates, 2010-2020	49
	Exhibit 2.04. Total and Professionally Managed U.S. Assets Under Management, 2010–2020	50
	Exhibit 2.05. U.S. Market Sizing Double-Counting and Non-Professionally Managed Assets, 2010–2020	51
	Exhibit 2.06. Professionally Managed U.S. Market Sizing Components by Channel, 2010–2020	52
	Exhibit 2.07. Professionally Managed U.S. Market Sizing Components by Channel Growth Rates, 2010–2020	53
	Exhibit 2.08. U.S. Market Sizing Components by Channel Marketshare, 2010–2020	
	Exhibit 2.09. U.S. Market Sizing Components by Investment Vehicle, 2010–2020	
	Exhibit 2.10. U.S. Market Sizing Components by Investment Vehicle Growth Rates, 2010–2020	56
	Exhibit 2.11. U.S. Market Sizing Components by Investment Vehicle Marketshare, 2010–2020	57
	Exhibit 2.12. U.S. Professionally Managed Assets Distribution Matrix, 2020	
	Exhibit 2.13. Asset Manager Addressable Marketplace Model, 2020	59
	Exhibit 2.14. Retail and Institutional Client Assets, 2010–2020.	
	Exhibit 2.15. Retail and Institutional Client Assets: Growth Rates, 2010-2020	
	Exhibit 2.16. Marketshare of Retail and Institutional Client Assets, 2010–2020	
	Exhibit 2.17. Retail Client Assets by Distribution Method, 2015–2020	
	Exhibit 2.18. Retail Client Assets: Growth Rates by Distribution Method, 2015-2020	64

Table of Contents

	Exhibit 2.19.	Marketshare of Retail Client Assets by Distribution Method, 2015–2020	65
	Exhibit 2.20.	Institutional Client Assets by Distribution Method, 2015–2020	66
	Exhibit 2.21.	Institutional Client Assets: Growth Rates by Distribution Method, 2015-2020	67
	Exhibit 2.22.	Marketshare of Institutional Client Assets by Distribution Method, 2015–2020	68
	Exhibit 2.23.	Ownership of U.S. Products by Client Type, 2020	69
	Exhibit 2.24.	U.S. Investment Vehicle Projections, 2021E–2026E	70
	Exhibit 2.25.	Institutional Market Asset Projections, 2021E–2026E	71
	Exhibit 2.26.	Projected Asset Marketshare by Channel, 2013–2024E	72
	Exhibit 2.27.	Ownership Breakdown of Mutual Funds, 2020	73
	Exhibit 2.28.	Ownership of Mutual Funds, 2015–2020.	74
	Exhibit 2.29.	Ownership Marketshare of Mutual Funds, 2015–2020	75
Ch	apter 3: Su	ıbadvisory	76
	Exhibit 3.01.	Subadvised Assets by Vehicle, 2016–2025E	78
	Exhibit 3.02.	Breakdown of Long-Term U.S. Mutual Fund Assets and Growth Rates by Advisory Structure, 2016–2Q 2021	79
	Exhibit 3.03.	Breakdown of Long-Term U.S. Mutual Fund Net Flows and Organic Growth Rate by Advisory Structure, 2016–2Q 2021 YTD	80
	Exhibit 3.04.	Unaffiliated Single-Subadvisor Arrangements: Top-10 Long-Term U.S. Mutual Fund Subadvisory Sponsors by Assets and Net Flows, 2018–2Q 2021 YTD	81
	Exhibit 3.05.	Multi-Subadvisor Arrangements: Top-10 Long-Term U.S. Mutual Fund Subadvisory Sponsors by Assets and Net Flows, 2Q 2021 YTD	82
	Exhibit 3.06.	Top-10 Long-Term U.S. Mutual Fund Unaffiliated Single Subadvisors by Assets and Net Flows, 2018–2Q 2021 YTD	83
	Exhibit 3.07.	Breakdown of Retail Variable Annuity Subaccount Assets, Marketshare and Growth by Structure, 2016–2Q 2021 YTD	84
	Exhibit 3.08.	Breakdown of Retail Variable Annuity Subaccount Net Flows and Organic Growth by Structure, 2016–2Q 2021 YTD	85
	Exhibit 3.09.	Top-10 Insurers Using Unaffiliated Subadvisors and VITs by Assets and Net Flows, 2018–2Q 2021	86
	Exhibit 3.10.	Top-10 Unaffiliated Variable Annuity Single Subadvisors and Unaffiliated VIT Asset Managers by Assets,	07
	= 1.11.1.0.44	2018–2Q 2021	
		Breakdown of Long-Term U.S. ETF Assets and Growth Rates by Advisory Structure, 2016–2Q 2021	
		Breakdown of Long-Term U.S. ETF Flows by Advisory Structure, 2016–2Q 2021 YTD	
		Top-10 Sponsors of Subadvised U.S. ETFs by Assets and Flows, 2Q 2021 YTD	
	Exhibit 3.14.	Top-10 Unaffiliated Single Subadvisors of U.S. ETFs by Assets and Flows, 2Q 2021 YTD	91

Chapter 4: Advisor Distribution	92
Exhibit 4.01. Assets by Intermediary Segment, 2015–2020	94
Exhibit 4.02 - Part 1. Description of Advisor Channels, 2020	95
Exhibit 4.02 - Part 2. Description of Advisor Channels, 2020	96
Exhibit 4.03. Overview of Advisor Channels, 2020	97
Exhibit 4.04. Advisor Headcount and Marketshare, 2010–2020	98
Exhibit 4.05. Advisor-Managed Assets and Marketshare, 2010–2020	99
Exhibit 4.06. Advisor Productivity, 2010–2020	100
Exhibit 4.07. Branch Network vs. Independent Asset Marketshare, 2010–2020	101
Exhibit 4.08. Projected Asset Marketshare, 2020–2025E	102
Chapter 5: Direct Platforms	. 103
Exhibit 5.01. Direct and Advisor Channel Characteristics, 2020	104
Exhibit 5.02. Direct Provider Assets and Growth, 2011–2020	105
Exhibit 5.03. Top Direct Firms by Assets, 2013–2020	106
Exhibit 5.04. Direct Assets by Product and Growth Rate, 2013–2020	107
Exhibit 5.05. Direct Provider Projected Assets, 2021E–2026E	108
Exhibit 5.06. Daily Active Revenue Trades (DARTS) and Client Accounts by Firm, 2019–2020	109
Exhibit 5.07. Online Trading Account Ownership Databank, 2020	110
Exhibit 5.08. Investors' Comfort Using Online-Only Investment Advisors Databank, 2020	111
Exhibit 5.09. Addressable Digital Market by Comfort Level and Age Range, 2020	112
Chapter 6: Defined Contribution Plans	. 113
Exhibit 6.01. Total Defined Contribution Assets and Growth, 2010–2020.	114
Exhibit 6.02. Defined Contribution Assets by Subset, 2010–2020	115
Exhibit 6.03. 401(k) Investment-Only vs. Proprietary Assets, 2020	116
Exhibit 6.04. Top-25 Defined Contribution Asset Managers by Assets, 2020	117
Exhibit 6.05. Top-15 Target-Date Managers by Assets, 2019–2020	118
Exhibit 6.06. Top-25 DC Recordkeepers by Total DC Recordkept Assets, 2020	119
Exhibit 6.07. Total Corporate Defined Contribution Net Flows by Plan Type, 2010–2020	120
Exhibit 6.08. Total Number of Corporate Defined Contribution Plans by Plan Type, 2010–2020	121
Exhibit 6.09. Total Number of Corporate Defined Contribution Participant Accounts: Active vs. Retired/Separated, 2010–2020	122

Table of Contents

	Exhibit 6.10. Top 457 Providers by Number of Plans, 2020.	123
	Exhibit 6.11. Top 403(b) Providers by Assets, 2020.	124
	Exhibit 6.12. Federal Thrift Savings Plan Net Flows, 2010–2020	125
	Exhibit 6.13. Federal Thrift Savings Plan Asset Allocation, 2020	126
	Exhibit 6.14. Total Collective Investment Trust Assets and Growth, 2012–2020	127
	Exhibit 6.15. Top-20 Collective Investment Trust Providers, 2020	128
	Exhibit 6.16. DC CIT Assets: Segmented by Investment Strategy, 2020.	129
	Exhibit 6.17. Data Points Reported to Morningstar Direct for CITs, 2021	130
Ch	napter 7: High-Net-Worth Market	. 131
	Exhibit 7.01. Households' Most Important Financial Goals by Investable Assets, 2020	132
	Exhibit 7.02. Household Nonfinancial Assets by Financial Asset Tier, 2020E	133
	Exhibit 7.03. Distribution of Household Financial Assets by Type of Asset and Age Range Databank, 2020E	134
	Exhibit 7.04. U.SBased Billionaires Demographics Databank, March 2020	135
	Exhibit 7.05. High-Net-Worth Provider Overview by Channel, 2020	136
	Exhibit 7.06. High-Net-Worth Wealth Management AUM and Marketshare by Channel, 2014–2019	137
	Exhibit 7.07. Private Banks: Total Fiduciary and Related Assets by Business Line, 2020	138
	Exhibit 7.08. HNW Practices: Availability and Distribution of Services Provided, 2020	139
	Exhibit 7.09. HNW Practices: Most Important Investment Objectives, 2020.	140
	Exhibit 7.10. Wealth Transfer in the Next Quarter Century, 2018–2042E	141
	Exhibit 7.11. Asset Managers: Most Important Factors in Being Terminated by a HNW Practice, 2020	142
	Exhibit 7.12. Asset Managers vs. HNW Practices: Most Important Factors When Conducting Due Diligence, 2020	143
	Exhibit 7.13. Asset Managers: Products and Strategies in Demand Among MFOs, 2020	144
Ch	napter 8: Defined Benefit Plans	. 145
	Exhibit 8.01. Total Defined Benefit Assets and Growth, 2011–2020	146
	Exhibit 8.02. Defined Benefit Assets by Subset, 2011–2020	147
	Exhibit 8.03. Asset Allocation of DB Plans, 2019 vs. 2020	148
	Exhibit 8.04. Top-20 Defined Benefit Asset Managers by Assets, 2019–2020	149
	Exhibit 8.05. Consultant Use by Institutional Channel, 2021	150
	Exhibit 8.06. Average Corporate Defined Benefit Pension Funded Status, 2008–3Q 2021	151
	Exhibit 8.07. Single-Employer Corporate Defined Benefit Pension Plans Segmented by Plan Status, 2009–2019	152
	Exhibit 8.08. Pension Benefit Guaranty Corporation Variable-Rate Premium, 2007-2022	153

Exhibit 8.09. State and Local Defined Benefit Plans' Aggregate Funded Ratio, 2002–2020	
Exhibit 8.10. State and Local Spending on Public DB as Percentage of Total Government Direct Genera	l Spending, 2000–2019 155
Chapter 9: Endowments & Foundations	
Exhibit 9.01. Total Endowment and Foundation Assets and Growth, 2010–2020	
Exhibit 9.02. Top-25 College and University Endowments, 2019–2020 FYE	
Exhibit 9.03. Top-25 Private Foundations, 2019	
Exhibit 9.04. Endowment Assets Segmented by Size Cohorts and Number of Corresponding Institution	ıs, 2020
Exhibit 9.05. Private Foundations' Asset Allocation, 2018–2020	
Exhibit 9.06. Asset Managers: Institutional Channel Demand for ESG Strategies in the Next Two to Three	ee Years, 2021 163
Exhibit 9.07. Anticipated RFP Volume by Institutional Segment Over the Next Three Years, 2021	
Exhibit 9.08. Percent of Endowments Using an OCIO to Run Investment Management, FY2020	
Chapter 10: Insurance General Accounts	
Exhibit 10.01. Insurance General Account Total Invested Assets and Projections by Insurance Business	Line, 2011–2025E 167
Exhibit 10.02. Insurance General Account Asset Allocation by Major Insurance Business Line, 2012–202	20168
Exhibit 10.03. Insurers' Expected Changes to the Fixed-Income Portion of the Investment Portfolio, 202	
Exhibit 10.04. Insurers' Expected Changes to Investment Vehicle Allocations, 2021	
Exhibit 10.05. How Insurers Altered Portfolio Exposure in Response to New Lows in Global Interest Rat	tes, 2021171
Chapter 11: Managed Accounts	
Exhibit 11.01. Managed Account Assets and Growth, 2010–2020	
Exhibit 11.02. Managed Account Industry Net Cash Flow by Program Type, 2012–2020	
Exhibit 11.03. Managed Account Assets by Discretion, 2018–2020	
Exhibit 11.04. Top-15 Sponsors by Managed Account Assets, 2020	
Exhibit 11.05. Wirehouse Channel Mix of Managed Account Assets by Program Type, 2010–2020	
Exhibit 11.06. Mutual Fund and ETF Advisory Program Assets, 2010–2020	
Exhibit 11.07. Mutual Fund Advisory Program Assets by Program Type: Packaged, Hybrid, and Open, 20	
Exhibit 11.08. Top-15 Mutual Fund Advisory Program Sponsors by Marketshare, 2011–2020	
Exhibit 11.09. Rep-as-Portfolio-Manager Program Assets, 2004–2020	
Exhibit 11.10. Top-15 Unified Managed Account Program Sponsors by Marketshare, 2011–2020	
Exhibit 11.11. Total Separate Account Program Assets, 2010-2020	
Exhibit 11.12. Managed Account Assets by Vehicle, 2011 vs. 2020	
Exhibit 11.13. Unified Managed Account Program Assets by Investment Vehicle, 2010–2020	

Chapter 12: Individual Retirement Accounts	187
Exhibit 12.01. Total IRA Assets and Growth Rate, 2009–2020	188
Exhibit 12.02. IRA Assets by Account Type, 2009–2020	189
Exhibit 12.03. Growth of IRA Assets by Account Type, 2010–2020	190
Exhibit 12.04. Nontraditional IRA Assets: Percentage by Account Type, 2009–2020	191
Exhibit 12.05. IRA Assets by Age Range, 2011–2020	192
Exhibit 12.06. IRA Assets by Investment Product, 2009–2020	193
Exhibit 12.07. IRA Target-Date, Target-Risk, and Index Mutual Fund Assets, 2011–2020	194
Exhibit 12.08. Top-10 IRA Providers by AUA, 2019-2020	195
Exhibit 12.09. Average IRA and 401(k) Balance, 2011–2020	196
Exhibit 12.10. IRA Rollover Contributions from Defined Contribution Plans, 2009–2020	197
Chapter 13: Annuities	198
Exhibit 13.01. Total Annuity Assets by Product Type, 2007–2020.	199
Exhibit 13.02. Variable Annuity Total New Sales and Net Sales, 2010–2020	
Exhibit 13.03. Total Annuity Industry Sales by Distribution Channel, 2005–2020	
Exhibit 13.04. Top-25 Retail Variable Annuity Issuers by New Sales, 2020	202
Exhibit 13.05. Fixed-Indexed Annuity Sales as Percentage of Total Fixed Annuity Sales, 2010–2020	203
Chapter 14: Mutual Funds	204
Exhibit 14.01. Total Mutual Fund Assets and Growth, 2010–2Q 2021	206
Exhibit 14.02. Mutual Fund Assets by Subset: Long Term, Money Market, and Closed End, 2010–2Q 2021	207
Exhibit 14.03. Mutual Fund Net Flows by Subset: Long Term and Money Market Funds, 2010–2Q 2021 YTD	208
Exhibit 14.04. Number of Mutual Funds by Subset: Long Term, Money Market, and Closed End, 2010–2Q 2021	209
Exhibit 14.05. Total Open-End Mutual Fund Assets by Fund Type, 2010–2Q 2021	210
Exhibit 14.06. Total Open-End Mutual Fund Net Flows by Fund Type, 2010–2Q 2021 YTD	211
Exhibit 14.07. Active and Passive Open-End Mutual Fund Assets and Flows, 2010–2Q 2021 YTD	212
Exhibit 14.08. Top-35 Long-Term Open-End Mutual Fund Asset Managers, 2Q 2021	213
Exhibit 14.09. Top-35 Money Market Mutual Fund Asset Managers, 2Q 2021	214
Exhibit 14.10. Top-35 Closed-End Mutual Fund Asset Managers, 2Q 2021	215
Exhibit 14.11. Total Fund-of-Fund Assets and Net Flows, 2013–2Q 2021 YTD	216

Table of Contents

Chapter 15: Exchange-Traded Funds
Exhibit 15.01. ETF Assets and Growth, 2010–2Q 2021
Exhibit 15.02. ETF Assets by Asset Class, 2016–2Q 2021
Exhibit 15.03. ETF Net Flows, 2010–2Q 2021 YTD
Exhibit 15.04. ETF Net Flows by Asset Class, 2016–2Q 2021 YTD
Exhibit 15.05. Number of Total and New ETFs, 2010–2Q 2021 YTD
Exhibit 15.06. Top-25 ETF Sponsors, 2Q 2021
Exhibit 15.07. Active, Passive, Strategic Beta ETF Assets, Growth Rates, and Net Flows, 2010–2Q 2021 YTD
Exhibit 15.08. ETF Issuers Rate Challenges to Growth of ETF Assets, 2021225
Chapter 16: Alternative Investments
Exhibit 16.01. Global Private Investment Assets, 2011–3Q 2020
Exhibit 16.02. Global Hedge Funds Assets, 2011–2020
Exhibit 16.03. Total Liquid Alternative Assets, 2011–1Q 2021230
Exhibit 16.04. Top-25 Liquid Alternative Managers, 1Q 2021
Exhibit 16.05. Alternative Mutual Fund Assets by Morningstar Category, 2016–1Q 2021
Exhibit 16.06. Alternative Managers' Actual and Anticipated Opportunity of Investment Vehicles, 2021
Exhibit 16.07. NTR, Interval Fund, and Non-Traded BDC Total Assets, 2013–3Q 2020
Exhibit 16.08. Importance of Alternative Investments for Retail, High-Net-Worth, and Institutional Channels, 2021
Exhibit 16.09. Advisors' Actual and Expected Distribution of Alternative Assets, 2021 vs. 2023E
Glossary
Company Index

Company Index

AIG, 34

American Century, 28 American Funds, 27, 77, 87, 117, 213 Amplify, 89 Aperio, 209 AQR, 231 Archegos, 229 ARK, 217, 223 AssetMark, 175 AXA, 198, 202 Baird, 205, 212 Bank of America, 104, 172, 177, 183, 186 BlackRock, 27, 28, 70, 77, 83, 85, 91, 117, 125, 128, 204, 209, 214, 215, 231, 232 Blackstone, 77, 91, 231, 234 BNY Mellon, 138 Bridge Builder, 76, 80, 82 CAIS, 20, 69 Capital Group, 117, 217, 220 CAPTRUST, 24, 29 Charles Schwab, 21, 43, 54, 63, 73, 103-106, 108, 109, 187, 195, 212 Citi, 138 Commonwealth, 177 Dimensional Fund Advisors, 217, 220 Direxion, 231 E*TRADE, 43, 94, 103, 105, 106 Edward Jones, 76, 80, 82, 172, 177, 181 Empower, 54, 119 Envestnet, 175, 177 Fidelity, 21, 23, 27, 40, 42, 43, 63, 73, 76, 77, 81, 87, 90, 94, 106, 109, 119, 124, 172, 177, 179, 181, 183,

First Trust, 89 Fortitude, 84 Franklin Templeton, 149, 213 Geode, 76, 81, 83 Global X, 223 Goldman Sachs, 81 GOG Partners, 83 H2O, 229 iCapital, 20, 69, 235 Infinity Q, 229 iShares, 117, 223 lackson National, 198, 202 JPMorgan, 76, 80, 81, 138, 205, 212, 213, 217, 219, 231, 232 Just Invest, 209 KKR, 234 KraneShares, 90 Legg Mason, 149 Lincoln Financial, 198, 202 LPL, 172, 181 MassMutual, 119 Mellon, 77, 87, 91, 138 Merrill Lynch, 64, 101, 104, 172, 177, 183, 186 MetLife, 34 Milliman, 31, 90, 147, 151, 154, 155 MissionSquare, 113, 124 Morgan Stanley, 43, 54, 64, 94, 99, 103, 105, 106, 112, 172, 177, 183, 186 Nationwide, 123 NFP, 24, 29 Northern Trust, 138

Nuveen, 77, 91, 215

Parametric, 24, 40, 41

Park Avenue, 83 PGIM Investments, 205, 212 PIMCO, 70 ProShares, 231 Proteus, 20, 69 Prudential, 34, 84, 119, 202 Quadratic Capital Management, 77, 90, 91 Raymond James, 101, 177 Resolution Life, 84 Robinhood, 41, 43, 103, 108, 109 Schroders, 83 Six Circles, 76, 80, 81, 82 SMArtX, 175 Solium, 94 State Street Global Advisors (SSgA), 77, 90, 91, 125, T. Rowe Price, 27, 77, 87, 117, 217, 220 TD Ameritrade, 103, 105, 106, 195 TIAA, 124, 212 UBS, 99, 181 Vanguard, 21, 23, 27, 42, 43, 63, 73, 76, 82, 94, 106, 113, 117, 118, 124, 204, 208, 209, 213, 217, 220, 223, 228, 231 VestMark, 175 Voya, 84, 123 Wealthfront, 112 Wellington, 83, 89 Wells Fargo, 28, 101 Western Asset Management, 149 WisdomTree, 77, 90, 91

186, 187, 195, 212, 214