The State of Delaware 3RD Quarter, 2022

529 PROGRAM

QUARTERLY REVIEW

CAPTRUST

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IN THIS REVIEW

The State of Delaware

3rd Quarter, 2022 Quarterly Review

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EXECUTIVE SUMMARY

Section 2

AGE-BASED ANALYSIS

Section 3

BENCHMARK ANALYSIS

Appendix



EXECUTIVE SUMMARY

Plan Information

Total plan assets as of September 30, 2022, were \$595.1 million. Approximately \$420.7 million (71% of total plan assets) are allocated to an Age-Based option, with approximately \$77.3 million (29% of total assets) allocated to static portfolios, individual funds, or a bank deposit portfolio.

- Active Age-Based \$307.7 million (52% of total assets)
- o Blend Age-Based \$11.3 million (2% of total assets)
- Index Age-Based \$101.7 million (17% of total assets)

Peer Group Review

The annual peer group rankings were revised as of 09.30.2021. Peer group comparisons are now compared to all glidepaths within Silver and Gold rated Morningstar plans. Compared to the new peer groups, Fidelity has slightly higher equity exposures within both the beginning and end of its glidepath, with lower-than-average values during the core saving years.

Underlying Holding Review

A benchmark composite is created for each of the three Age-Based options. This composite benchmark mimics the asset allocation for the given quarter and weighs the aggregate performance for each underlying fund accordingly.

- o Active Age-Based option 23 out of 31 funds (74%) outperformed their benchmark for the quarter.
- o Blend Age-Based option 22 out of 31 funds (71%) outperformed their benchmark for the quarter.
- o Index Age-Based option 1 out of 9 funds (11%) outperformed their benchmark for the quarter.



EXECUTIVE SUMMARY

Portfolio Positioning Review

- During the third quarter of 2022 market volatility continued to surge as inflation expectations remained elevated and the FED continued
 raising interest rates at the quickest pace in over forty years. Geopolitical tensions remain high, with the conflict between Russia and
 Ukraine remaining a focal point of discussion for 2022. China also continued to make headlines as Xi Jinping consolidated power for
 another five years, raising many economists to question the long-term investability of Chinese markets.
 - Overall, the Fidelity portfolio series lagged peers in both its Active and Blend age-based series relative to peers. While underlying active manager attribution was strong during the third quarter, asset allocation decisions (specifically their emerging market overweight) negatively contributed to relative results.
- Fidelity continues to view non-US equity options more favorably than US, though they maintain their same asset allocation limitations when investing in volatile markets such as within Emerging Asian economies. Fidelity follows global market cap weightings when determining allocations towards non-US markets, following a global market cap portfolio approach with approximately 60% US companies and 40% non-US companies for the equity portions of the glidepath. Potential concerns for China include a lack of transparency into company holdings, and a potential decrease in capital mobility as Xi Jinping's policies grow in influence.
 - Fidelity's investment team maintains a careful view towards EM markets. While they recognize the volatility associated with the space, their underlying EM funds are benchmark neutral in terms of Chinese exposure and are underweight exposure within Taiwan. While downside risks exist in China, emerging markets (as a whole) represent a wide range of strong potential growth opportunities that should not be missed.
- Fidelity has reduced their underweight towards duration risk during the quarter, as their investment team now views yields as have having reached fair value. As yields have continued to rise, the market has now priced in continued rate hikes into 2023, with a terminal rate of roughly 4-4.5%. Fidelity has also reduced their overweight towards commodities and inflation protected securities, as price targets have been met for these assets as both have surged YTD.



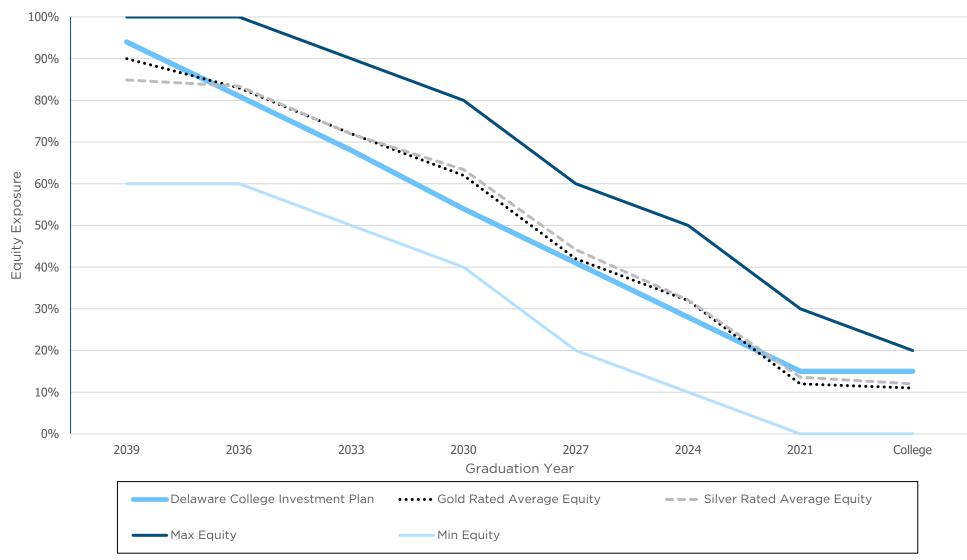
Fund Series	2039	2036	2033	2030	2027	2024	2021	College
Delaware College Investment Plan	94%	81%	68%	54%	41%	28%	15%	15%
Gold Rated Average Equity	90%	83%	72%	62%	42%	32%	12%	11%
Illinois Index Con.	80%	70%	60%	50%	30%	20%	0%	0%
Illinois Active Con.	80%	70%	60%	50%	30%	20%	0%	0%
Illinois Index Mod.	90%	80%	70%	60%	40%	30%	10%	10%
Illinois Active Mod.	90%	80%	70%	60%	40%	30%	10%	10%
Illinois Index Agg.	100%	90%	80%	70%	50%	40%	20%	20%
Illinois Active Agg.	100%	90%	80%	70%	50%	40%	20%	20%
Michigan	80%	80%	72%	68%	48%	36%	15%	15%
Utah - my529	100%	100%	80%	70%	50%	40%	20%	10%

Silver Rated Average Equity	85%	83%	72%	63%	44%	32%	14%	12%
Alaska	100%	100%	85%	70%	54%	37%	20%	20%
California (A)	80%	80%	72%	67%	47%	35%	15%	15%
California (P)	80%	80%	72%	67%	47%	35%	15%	15%
Georgia	80%	80%	72%	67%	47%	35%	15%	15%
Maryland	100%	100%	85%	70%	54%	37%	20%	20%
Minnesota	80%	80%	72%	67%	47%	35%	15%	15%
Vanguard - Progressive	95%	87%	65%	55%	30%	21%	14%	12%
Ohio	77%	69%	53%	45%	28%	19%	4%	4%
Oregon	87%	84%	76%	70%	55%	42%	5%	5%
Pennsylvania	95%	89%	68%	57%	34%	23%	14%	11%

This information is gathered from 529-program websites and other written representations as of 09.30.2021. Peer groups are rebalanced on an annual basis, underlying allocations are updated quarterly for performance data. If any of the above information differs from these updated sources, the source document supersedes the above listing. Not all series update equity exposure and other metrics on a quarterly basis.



Asset Allocations - Gold & Silver Rated Plan Averages



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AGE-BASED ANALYSIS

Period Ending 09.30.22 | Q3 22

Active Age-Based Option Review

• The **Active Age-Based** option underperformed in all of its age-band versus its Morningstar Target Enrollment peer group, all of its age-bands versus Gold rated peers, and all of its age-bands versus Silver rated peers.

- Active managers in general protected on the downside this quarter, along with glidepaths that had lower total equity exposure. Non-US markets
 sold off less heavily during the third quarter, however, on a YTD basis their return contributions still lag domestic markets. Peer programs that have
 reduced exposure towards longer duration fixed income investments also faired better this past quarter, as bond yields continued to rise. The
 increase in correlation between equities and fixed income has been difficult for traditionally structured portfolios to protect amidst increasingly
 volatile market conditions.
- The largest difference for this series versus other glidepaths closer to graduation has continued to be the omission of a fixed return product. As interest rates continue to rise, putting downward pressure on existing fixed income securities, guaranteed products have outperformed traditional fixed income options. These products would be expected to underperform, however, when the Fed does decide to reverse course and lower interest rates.

Blend Age-Based Option Review

• The Blend Age-Based option underperformed in all of its age-band versus its Morningstar Target Enrollment peer group, all of its age-bands versus Gold rated peers, and all of its age-bands versus Silver rated peers. The blend series performs worse than both the Active and Index series on average, as the active funds that were overweighed within the Blend series were relative detractors compared to the passive options used.

Index Age-Based Option Review

• The Index Age-Based option underperformed in all of its age-band versus its Morningstar Target Enrollment peer group, all of its age-bands versus Gold rated peers, and all of its age-bands versus Silver rated peers. Passive performance was mixed against both Blend and Active for the third quarter of 2022, as the simplified asset allocation approach relatively benefited performance.



INVESTMENT NAME	Net Expense	Equity (%)	QTR C	at(%)	YTD C	Cat(%)	1-Year	Cat(%)	3-Year	Cat(%)	5-Year	Cat(%)
DE Coll Inv Pl Active 2039 Port	0.24	87%	-6.87	64	-25.85	72	-22.38	80				
DE Coll Inv Pl Blend 2039 Port	0.16	88%	-6.93	82	-26.39	93	-22.65	95				
DE Coll Inv Pl Index 2039 Port	0.16	88%	-6.99	89	-25.31	55	-20.87	57				
US 529 Target-Enrollment 2039+	0.11	87%	-6.57		-24.66		-20.46					
Gold Rated Peers (2039+)	0.08	83%	-6.27		-24.00		-19.35					
Silver Rated Peers (2039+)	0.10	88%	-6.64		-24.63		-20.57					
DE Coll Inv Pl Active 2036 Port	0.24	72%	-6.59	70	-24.32	72	-21.33	83	3.67	18	4.46	26
DE Coll Inv Pl Blend 2036 Port	0.16	73%	-6.62	78	-24.76	81	-21.53	93				
DE Coll Inv Pl Index 2036 Port	0.16	73%	-6.62	82	-23.77	57	-19.86	61	3.03	36	4.42	49
US 529 Target-Enrollment 2036	0.12	75%	-6.34		-23.29		-19.27		3.06		4.75	
Gold Rated Peers (2036)	0.07	75%	-6.14		-23.00		-18.62					
Silver Rated Peers (2036)	0.14	76%	-6.44		-23.24		-19.31		2.96		5.06	
DE Coll Inv Pl Active 2033 Port	0.24	59%	-6.49	78	-23.06	72	-20.52	82	2.67	27	3.83	28
DE Coll Inv Pl Blend 2033 Port	0.16	60%	-6.56	87	-23.48	90	-20.67	91				
DE Coll Inv Pl Index 2033 Port	0.16	60%	-6.47	72	-22.55	63	-19.15	61	2.10	53	3.82	36
US 529 Target-Enrollment 2033	0.12	64%	-6.14		-22.11		-18.67		2.38		4.32	
Gold Rated Peers (2033)	0.07	66%	-5.96		-21.89		-17.88					
Silver Rated Peers (2033)	0.13	65%	-6.13		-21.94		-18.56		2.38		4.82	
DE Coll Inv PI Active 2030 Port	0.24	46%	-6.06	77	-21.06	65	-18.97	80	1.87	39	3.28	42
DE Coll Inv Pl Blend 2030 Port	0.16	46%	-6.13	85	-21.37	79	-19.14	89				
DE Coll Inv Pl Index 2030 Port	0.16	46%	-5.98	<i>7</i> 1	-20.58	55	-17.77	61	1.43	64	3.31	33
US 529 Target-Enrollment 2030	0.12	52%	-5.67		-20.53		-17.40		1.95		3.78	
Gold Rated Peers (2030)	0.07	54%	-5.48		-20.34		-16.79					
Silver Rated Peers (2030)	0.14	53%	-5.75		-20.53		-17.51		2.04		4.27	

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INVESTMENT NAME	Net Expense	Equity (%)	QTR C	at(%)	YTD C	at(%)	1-Year	Cat(%)	3-Year	Cat(%)	5-Year	Cat(%)
DE Coll Inv Pl Active 2027 Port	0.24	34%	-5.30	70	-18.16	59	-16.60	66	1.36	34	2.81	40
DE Coll Inv Pl Blend 2027 Port	0.16	34%	-5.42	80	-18.47	76	-16.72	76				
DE Coll Inv Pl Index 2027 Port	0.16	34%	-5.13	60	-17.63	40	-15.42	53	1.05	52	2.90	26
US 529 Target-Enrollment 2027	0.12	37%	-4.99		-17.95		-15.62		1.25		3.22	
Gold Rated Peers (2027)	0.07	37%	-4.79		-17.78		-15.00					
Silver Rated Peers (2027)	0.13	38%	-5.00		-17.98		-15.68		1.26		3.58	
DE Coll Inv Pl Active 2024 Port	0.24	21%	-4.44	76	-14.70	69	-13.67	76	1.00	39	2.44	57
DE Coll Inv Pl Blend 2024 Port	0.16	21%	-4.55	85	-14.90	80	-13.76	84				
DE Coll Inv Pl Index 2024 Port	0.16	21%	-4.15	63	-14.12	50	-12.51	59	0.79	59	2.57	28
US 529 Target-Enrollment 2024	0.12	22%	-3.58		-13.10		-11.42		1.55		2.99	
Gold Rated Peers (2024)	0.07	23%	-3.30		-12.77		-10.83					
Silver Rated Peers (2024)	0.14	22%	-3.63		-12.94		-11.33		1.76		3.47	
DE Coll Inv Pl Active 2021 Port	0.24	14%	-3.97	66	-12.00	69	-11.49	66	-0.04	74	1.65	55
DE Coll Inv Pl Blend 2021 Port	0.16	14%	-4.13	93	-12.07	79	-11.60	89				
DE Coll Inv Pl Index 2021 Port	0.16	13%	-3.60	56	-11.34	56	-10.38	53	0.00	45	1.88	26
US 529 Target-Enrollment 2021	0.17	10%	-2.60		-8.26		-7.49		1.53		1.77	
Gold Rated Peers (2021)	0.11	13%	-3.03		-11.20		-10.08					
Silver Rated Peers (2021)	0.18	7%	-1.88		-6.00		-5.23		2.30			
DE Coll Inv Pl Active Coll Port	0.24	14%	-4.02	85	-12.02	79	-11.50	79	-0.48	75	1.15	61
DE Coll Inv Pl Blend Coll Port	0.16	14%	-4.00	78	-12.05	81	-11.50	77				
DE Coll Inv Pl Index Coll Port	0.16	13%	-3.60	68	-11.33	60	-10.37	64	-0.40	60	1.36	37
US 529 Target-Enrollment College	0.12	14%	-2.87		-9.62		-8.64		0.41		1.80	
Gold Rated Peers (College)	0.07	13%	-2.37		-8.72		-7.64					
Silver Rated Peers (College)	0.13	14%	-2.76		-9.03		-7.94		1.26		2.35	

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BENCHMARK ANALYSIS

Period Ending 09.30.22 | Q3 22

Active Age-Based Option Review

• The Active Age-Based underlying mutual fund composite outperformed the composite benchmark in 8 out of 8 age-bands for Q3, with each age-band averaging outperformance of +0.37% versus the composite benchmark.

- 74% of underlying funds (23 of 31) outperformed their respective benchmarks for Q3 2022, with all funds averaging outperformance of +0.47% versus their respective benchmarks.
- The largest weighted outperformance was from Fidelity® Series Investment Grade Bond Fund, which has an average weighting of 21.90% in each age-band and outperformed its benchmark by 0.46%.
- The most substantial weighted underperformance came from Fidelity® Series Stock Selector Large Cap Value Fund, which has an average weighting of 2.72% in each age-band and underperformed its benchmark by -0.75%.

Blend Age-Based Option Review

- The **Blend Age-Based** underlying mutual fund composite outperformed the composite benchmark in 8 out of 8 age-bands for Q3, with each age-band averaging outperformance of +0.27% versus the composite benchmark.
- 71% of underlying funds (22 of 31) outperformed their respective benchmarks for Q3 2022, with all funds averaging outperformance of +0.51% versus their respective benchmarks.
- The largest weighted outperformance was from Fidelity® Series Blue Chip Growth Fund, which has an average weighting of 4.97% in each age-band and outperformed its benchmark by 1.91%.
- The most substantial weighted underperformance came from Fidelity® Series Investment Grade Securitized Fund, which has an average weighting of 4.58% in each age-band and underperformed its benchmark by -0.37%.

Index Age-Based Option Review

- The Index Age-Based underlying mutual fund composite underperformed the composite benchmark in 8 out of 8 age-bands for Q3, with each age-band averaging underperformance of -0.14% versus the composite benchmark.
- 11% of underlying funds (1 of 9) outperformed their respective benchmarks for Q3 2022, with all funds averaging essentially the same performance as their respective benchmarks.



BENCHMARK ANALYSIS

Period Ending 09.30.22 |Q3 22

2039	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-6.67	-21.94	4.42	4.75	7.16
Active Benchmark	-7.14	-21.95	2.58	3.76	6.69
Blend Age-Based Option	-6.77	-21.86	3.65	4.47	6.97
Blend Benchmark	-7.23	-21.56	2.41	3.60	6.56
Index Age-Based Option	-7.02	-20.75	2.90	5.29	7.89
Index Benchmark	-6.74	-18.72	4.09	5.31	7.90
2036	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-6.41	-20.93	3.24	3.99	6.20
Active Benchmark	-6.87	-21.00	1.54	3.05	5.72
Blend Age-Based Option	-6.53	-20.92	2.51	3.69	5.91
Blend Benchmark	-6.95	-20.70	1.40	2.92	5.61
Index Age-Based Option	-6.70	-19.75	1.92	4.43	6.77
Index Benchmark	-6.46	-18.04	2.93	4.45	6.78
2033	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-6.58	-19.49	2.52	3.48	5.29
Active Benchmark	-7.00	-19.56	1.02	2.63	4.83
Blend Age-Based Option	-6.70	-19.51	1.86	3.19	4.97
Blend Benchmark	-7.05	-19.32	0.90	2.53	4.75
Index Age-Based Option	-6.78	-18.43	1.39	3.84	5.78
Index Benchmark	-6.59	-17.02	2.22	3.85	5.78

2030	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-6.28	-17.70	1.69	2.90	4.34
Active Benchmark	-6.67	-17.78	0.37	2.10	3.89
Blend Age-Based Option	-6.41	-17.75	1.08	2.59	3.94
Blend Benchmark	-6.69	-17.61	0.28	2.03	3.83
Index Age-Based Option	-6.40	-16.75	0.73	3.14	4.72
Index Benchmark	-6.25	-15.67	1.39	3.15	4.73

Data Source: DE CIP-Fidelity as of 09.30.2022; Morningstar source material as of 09.30.2022. If any of the above information differs from these updated sources, the source document supersedes the above listing.



BENCHMARK ANALYSIS

Period Ending 09.30.22 |Q3 22

2027	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-5.43	-14.93	1.10	2.37	3.44
Active Benchmark	-5.79	-15.03	-0.01	1.67	3.01
Blend Age-Based Option	-5.56	-15.04	0.58	2.05	2.98
Blend Benchmark	-5.78	-14.93	-0.06	1.63	2.98
Index Age-Based Option	-5.44	-14.00	0.36	2.55	3.73
Index Benchmark	-5.33	-13.23	0.85	2.56	3.73

2024	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-4.52	-11.56	0.60	1.86	2.46
Active Benchmark	-4.82	-11.67	-0.22	1.31	2.10
Blend Age-Based Option	-4.63	-11.68	0.20	1.52	1.95
Blend Benchmark	-4.79	-11.62	-0.25	1.28	2.08
Index Age-Based Option	-4.40	-10.66	0.15	2.01	2.69
Index Benchmark	-4.33	-10.22	0.46	2.02	2.70

2021	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-4.03	-9.36	0.37	1.59	1.88
Active Benchmark	-4.28	-9.46	-0.23	1.15	1.57
Blend Age-Based Option	-4.14	-9.49	0.07	1.25	1.36
Blend Benchmark	-4.26	-9.45	-0.26	1.13	1.56
Index Age-Based Option	-3.82	-8.46	0.14	1.76	2.09
Index Benchmark	-3.78	-8.23	0.34	1.76	2.09

College	QTR	1 - Year	3 - Year	5 - Year	10 - Year
Active Age-Based Option	-4.03	-9.36	0.37	1.59	1.88
Active Benchmark	-4.28	-9.46	-0.23	1.15	1.57
Blend Age-Based Option	-4.14	-9.49	0.07	1.25	1.36
Blend Benchmark	-4.26	-9.45	-0.26	1.13	1.56
Index Age-Based Option	-3.82	-8.46	0.14	1.76	2.09
Index Benchmark	-3.78	-8.23	0.34	1.76	2.09

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BENCHMARK ANALYSIS

Period Ending 09.30.22 |Q3 22

Static Portfolio	Net Expense	1 - Year	3 - Year	5 - Year	10 - Year
DE Agrsv Gro (Fid Funds)	0.99%	-22.29	4.75	5.08	8.53
Composite Benchmark	-	-20.85	4.25	5.37	8.55
DE Agrsv Gro (Fid Index)	0.13%	-20.97	3.99	5.01	8.31
Composite Benchmark	-	-20.85	4.24	5.22	8.51
DE Consrv (Fid Funds)	0.50%	-6.84	-0.76	0.70	0.92
Composite Benchmark	-	-6.05	-0.68	0.80	0.95
DE Consrv (Fid Index)	0.13%	-6.18	-0.85	0.63	0.76
Composite Benchmark	-	-6.05	-0.68	0.80	0.93
DE Mod Growth (Fid Funds)	0.87%	-20.56	2.50	3.68	6.48
Composite Benchmark	-	-19.38	2.14	3.86	6.48
DE Mod Growth (Fid Index)	0.13%	-19.51	1.90	3.54	6.12
Composite Benchmark	-	-19.38	2.13	3.74	6.33

Individual Portfolio	Net Expense	1 - Year	3 - Year	5 - Year	10 - Year
DE 500 Index	0.11%	-15.58	8.05	9.12	11.55
DE Fidelity 500 Index BM	-	-15.47	8.16	9.24	11.70
DE Bank Deposit	0.50%	0.48	0.38	0.82	0.51
N/A	-	-	-	-	-
DE International Index	0.15%	-25.24	-1.77	-1.26	3.42
DE International Index BM	-	-25.05	-1.37	-0.89	3.72
DE Intmdt Treasury Index	0.12%	-13.82	-3.30	-0.29	0.40
DE Intmdt Treasury Index BM	-	-13.80	-3.18	-0.19	0.60
DE Total Market Index	O.11%	-18.12	7.41	8.38	11.16
DE Total Market index BM	-	-18.05	7.51	8.48	11.28
DE Stable Value Portfolio	0.53%	-	-	-	-
N/A	-	-	-	-	-



APPENDIX



Active Age-Based Option

FJACX 0.84% 0.70% 0.56% 0.42% 0.29% 0.15% 0.06% 0.06% Russell 2000 TR USD FVWSX 5.11% 4.23% 3.40% 2.53% 1.73% 0.88% 0.38% 0.38% Russell 1000 Growth TR USD FBLEX 5.95% 4.92% 3.96% 2.95% 2.02% 1.04% 0.46% 0.46% Russell 1000 Value TR USD FNKLX 4.75% 3.93% 3.15% 2.34% 1.60% 0.83% 0.36% 0.36% Russell 1000 Value TR USD FSAEX 1.85% 1.53% 1.23% 0.92% 0.63% 0.34% 0.14% 0.14% Russell 1000 Growth TR USD FGLGX 8.25% 6.83% 5.49% 4.09% 2.80% 1.44% 0.62% 0.62% Russell 1000 Growth TR USD FCGSX 8.67% 7.17% 5.76% 4.30% 2.94% 1.51% 0.66% 0.66% Russell 1000 Growth TR USD FDMLX 4.19% 3.47% 2.79% 2.08% 1.43% 0.74
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FIOOX 2.70% 2.24% 1.80% 1.34% 0.92% 0.48% 0.21% 0.21% 0.21% Russell 1000 Value TR USD FSBDX 4.39% 3.64% 2.92% 2.17% 1.48% 0.76% 0.33% 0.33% Russell 1000 Growth TR USD FSOPX 2.81% 2.33% 1.87% 1.39% 0.96% 0.49% 0.24% 0.24% 0.24% Russell 2000 TR USD FIGSX 7.19% 6.13% 5.14% 4.10% 3.14% 2.14% 1.52% 1.52% MSCI ACWI Ex USA Growth NR USD FSTSX 1.93% 1.65% 1.38% 1.10% 0.84% 0.57% 0.40% 0.40% MSCI World Ex USA SMID Growth NR USD
FSBDX 4.39% 3.64% 2.92% 2.17% 1.48% 0.76% 0.33% 0.33% 0.33% Russell 1000 Growth TR USD FSOPX 2.81% 2.33% 1.87% 1.39% 0.96% 0.49% 0.24% 0.24% 0.24% Russell 2000 TR USD FIGSX 7.19% 6.13% 5.14% 4.10% 3.14% 2.14% 1.52% 1.52% MSCI ACWI Ex USA Growth NR USD FSTSX 1.93% 1.65% 1.38% 1.10% 0.84% 0.57% 0.40% 0.40% MSCI World Ex USA SMID Growth NR USD
FSOPX 2.81% 2.33% 1.87% 1.39% 0.96% 0.49% 0.24% 0.24% 0.24% Russell 2000 TR USD FIGSX 7.19% 6.13% 5.14% 4.10% 3.14% 2.14% 1.52% 1.52% MSCI ACWI Ex USA Growth NR USD FSTSX 1.93% 1.65% 1.38% 1.10% 0.84% 0.57% 0.40% 0.40% MSCI World Ex USA SMID Growth NR USD
FIGSX 7.19% 6.13% 5.14% 4.10% 3.14% 2.14% 1.52% 1.52% MSCI ACWI Ex USA Growth NR USD FSTSX 1.93% 1.65% 1.38% 1.10% 0.84% 0.57% 0.40% 0.40% MSCI World Ex USA SMID Growth NR USD
FSTSX 1.93% 1.65% 1.38% 1.10% 0.84% 0.57% 0.40% 0.40% MSCI World Ex USA SMID Growth NR USD
FINVX 7.35% 6.28% 5.26% 4.20% 3.21% 2.17% 1.54% 1.54% MSCI ACWI Ex USA Value NR USD
FCNSX 3.14% 2.68% 2.25% 1.80% 1.38% 0.94% 0.67% 0.67% MSCI ACWI Ex USA NR USD
FSOSX 7.24% 6.17% 5.18% 4.13% 3.16% 2.15% 1.53% 1.53% MSCI ACWI Ex USA Growth NR USD
FEMSX 13.11% 11.70% 10.28% 8.80% 7.41% 5.97% 5.08% 5.08% MSCI EM NR USD
FHKFX 1.46% 1.31% 1.15% 0.98% 0.83% 0.66% 0.57% 0.56% MSCI EM NR USD
FSIGX 0.90% 11.87% 17.99% 26.77% 31.09% 30.74% 27.92% 27.92% Bloomberg US Agg Bond TR USD
FTLTX 6.17% 6.45% 6.08% 5.70% 4.88% 4.27% 4.25% 4.24% Bloomberg US Government Long TR USD
FYBTX 0.00% 0.00% 0.00% 0.00% 0.99% 2.74% 3.99% 3.99% Bloomberg US Govt/Credit 1-3 Yr TR USD
FGNXX 0.34% 0.54% 0.53% 0.53% 4.54% 11.58% 16.60% 16.60% ICE BofA USD 3M Dep OR CM TR USD
FCSSX 1.24% 1.04% 1.04% 1.03% 1.02% 1.02% 1.02% 1.02% Bloomberg Commodity TR USD
FSHNX 0.00% 0.57% 0.57% 0.56% 0.55% 0.54% 0.54% 0.54% ICE BofA US High Yield TR USD
FFHCX 0.06% 0.11% 0.11% 0.11% 0.11% 0.11% 0.11% 0.11% S&P/LSTA Leveraged Loan TR
FEDCX 0.00% 0.54% 0.54% 0.53% 0.52% 0.52% 0.51% 0.51% JPM EMBI Global Diversified TR USD
FSEDX 0.00% 0.18% 0.18% 0.18% 0.18% 0.18% 0.17% 0.17% JPM GBI-EM Global Diversified TR USD
FSREX 0.06% 0.31% 0.31% 0.30% 0.30% 0.30% 0.30% S&P United States REIT TR USD
FSIPX 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% Bloomberg US Treasury US TIPS TR USD
FSTZX 0.00% 0.00% 1.03% 5.58% 13.01% 20.50% 25.29% 25.29% BBg US TIPS 0-5 Years
FSTDX 0.12% 0.10% 5.97% 5.98% 2.30% 0.09% 0.09% 0.09% BBg US TIPS 5+ Years
FSTQX 0.23% 1.42% 2.07% 3.02% 3.67% 4.08% 4.05% 4.05% BBG ATI, xUSxEM RICC,USH



Blend Age-Based Option

Ticker	2039	2036	2033	2030	2027	2024	2021	College	Benchmark
FNKLX	5.52%	4.57%	3.67%	2.74%	1.88%	0.97%	0.43%	0.43%	Russell 1000 Value TR USD
FGLGX	7.69%	6.36%	5.11%	3.79%	2.62%	1.34%	0.59%	0.59%	Russell 1000 TR USD
FIOOX	14.72%	12.19%	9.79%	7.31%	5.01%	2.57%	1.13%	1.13%	Russell 1000 Value TR USD
FSBDX	10.89%	9.01%	7.24%	5.39%	3.71%	1.90%	0.83%	0.83%	Russell 1000 Growth TR USD
FSOPX	3.68%	3.04%	2.44%	1.82%	1.25%	0.65%	0.29%	0.29%	Russell 2000 TR USD
FHOFX	6.90%	5.71%	4.59%	3.42%	2.35%	1.21%	0.53%	0.53%	Russell 1000 Growth TR USD
FIGSX	6.32%	5.38%	4.51%	3.60%	2.76%	1.88%	1.33%	1.33%	MSCI ACWI Ex USA Growth NR USD
FSTSX	1.93%	1.65%	1.38%	1.10%	0.84%	0.57%	0.40%	0.40%	MSCI World Ex USA SMID Growth NR USD
FINVX	6.46%	5.51%	4.62%	3.69%	2.82%	1.90%	1.35%	1.35%	MSCI ACWI Ex USA Value NR USD
FCNSX	3.15%	2.68%	2.25%	1.80%	1.38%	0.94%	0.67%	0.67%	MSCI ACWI Ex USA NR USD
FHLFX	2.71%	2.31%	1.94%	1.55%	1.18%	0.79%	0.56%	0.56%	MSCI ACWI Ex USA NR USD
FSOSX	6.36%	5.42%	4.54%	3.63%	2.78%	1.89%	1.34%	1.34%	MSCI ACWI Ex USA Growth NR USD
FEMSX	13.12%	11.71%	10.30%	8.81%	7.42%	5.93%	5.08%	5.09%	MSCI EM NR USD
FHKFX	1.46%	1.31%	1.15%	0.99%	0.83%	0.66%	0.56%	0.57%	MSCI EM NR USD
FSIGX	0.27%	3.57%	5.40%	8.04%	9.33%	9.23%	8.38%	8.38%	Bloomberg US Agg Bond TR USD
FHMFX	0.18%	2.32%	3.52%	5.22%	6.06%	5.99%	5.44%	5.44%	Bloomberg US Corp Bond TR USD
FHPFX	0.19%	2.49%	3.77%	5.60%	6.50%	6.43%	5.84%	5.84%	Bloomberg US Agg Bond TR USD
FHNFX	0.27%	3.50%	5.31%	7.90%	9.17%	9.07%	8.24%	8.24%	Bloomberg Government 1-5 Yr TR USD
FTLTX	6.18%	6.46%	6.09%	5.71%	4.87%	4.28%	4.24%	4.24%	Bloomberg US Government Long TR USD
FYBTX	0.00%	0.00%	0.00%	0.00%	0.99%	2.75%	3.99%	3.99%	Bloomberg US Govt/Credit 1-3 Yr TR USD
FGNXX	0.00%	0.00%	0.00%	0.00%	1.01%	2.79%	4.05%	4.05%	ICE BofA USD 3M Dep OR CM TR USD
FHQFX	0.34%	0.54%	0.53%	0.53%	3.51%	8.79%	12.55%	12.55%	Bloomberg Corp 1 Yr Duration TR USD
FCSSX	1.25%	1.04%	1.04%	1.03%	1.02%	1.02%	1.02%	1.02%	Bloomberg Commodity TR USD
FSHNX	0.00%	0.57%	0.57%	0.56%	0.55%	0.55%	0.54%	0.54%	ICE BofA US High Yield TR USD
FFHCX	0.06%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	S&P/LSTA Leveraged Loan TR
FEDCX	0.00%	0.53%	0.53%	0.53%	0.52%	0.52%	0.51%	0.51%	JPM EMBI Global Diversified TR USD
FSEDX	0.00%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	0.18%	JPM GBI-EM Global Diversified TR USD
FSREX	0.06%	0.31%	0.31%	0.31%	0.30%	0.29%	0.30%	0.30%	S&P United States REIT TR USD
FSIPX	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Bloomberg US Treasury US TIPS TR USD
FSTZX	0.00%	0.00%	1.03%	5.59%	13.01%	20.56%	25.30%	25.30%	Bloomberg US TIPS 0-5 Year TR USD
FSTDX	0.11%	0.10%	5.98%	6.00%	2.30%	0.10%	0.10%	0.09%	Bloomberg Treasury 5+ Yr TR USD
FSTQX	0.23%	1.42%	2.07%	3.03%	3.67%	4.09%	4.05%	4.05%	Bloomberg Global Aggregate TR USD



APPENDIX

Index Age-Based Option

Ticker	2039	2036	2033	2030	2027	2024	2021	College	Benchmark
FCFMX	54.24%	45.67%	37.64%	29.26%	21.51%	13.34%	8.48%	8.48%	DJ US Total Stock Market TR USD
FSGEX	35.65%	30.04%	24.77%	19.27%	14.19%	8.82%	5.56%	5.56%	MSCI ACWI Ex USA NR USD
FIFZX	4.13%	17.25%	23.38%	32.09%	35.13%	34.69%	31.81%	31.81%	Bloomberg US Agg Bond TR USD
FTLTX	4.93%	4.55%	4.18%	3.82%	3.43%	2.86%	2.86%	2.86%	Bloomberg US Government Long TR USD
FHQFX	0.00%	0.00%	0.00%	0.00%	5.77%	14.63%	20.86%	20.86%	Bloomberg 3-6 Mo Tsy
FSIPX	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Bloomberg 1-10 TIPS
FSTZX	0.00%	0.00%	1.01%	5.56%	12.99%	20.47%	25.28%	25.28%	Bloomberg US TIPS 0-5 Year TR USD
FSTDX	0.00%	0.00%	5.86%	5.89%	2.23%	0.00%	0.00%	0.00%	Bloomberg Treasury 5+ Yr TR USD
FSTQX	1.04%	2.46%	3.12%	4.05%	4.68%	5.09%	5.04%	5.04%	Bloomberg Global Aggregate TR USD



CREATING CAPTRUST'S PROPRIETARY 529 AGE-BASED ALLOCATION UNIVERSE ANALYSIS

STEP 1:	Research the largest (30) direct 529 plans and aggregate each Age-Based option's glide-path and underlying fund publicly available data.								
STEP 2:	Average the equity exposure for each average for each Age-Based option.	Average the equity exposure for each Age-Based option category & calculate the deviation from that average for each Age-Based option.							
STEP 3:	Weight the deviations based on the p than deviations at younger ages).	Weight the deviations based on the position within the glide path (e.g., weighting the age 11-12 period more heavily than deviations at younger ages).							
STEP 4:	Calculate a score (higher score meaning more total equity risk exposure) for each Age-Based option allocation based on the individual asset weighting scores (standard deviation x weighting) for each fund within the Age-Based Allocation Option.								
	Assign each Age-Based allocation to a highest to lowest:	one of the nine risk-based categories, b	ased on their relative scores from						
STED	Assessation Districts (0)	A server sites (Alist Feetler (C)	Aggressive – Low Equity (7)						
STED	Aggressive – High Equity (9)	Aggressive – Mid Equity (8)	Aggressive – Low Equity (7)						
STEP 5:	Aggressive – High Equity (9) Moderate – High Equity (6)	Aggressive – Mid Equity (8) Moderate – Mid Equity (5)	Aggressive – Low Equity (7) Moderate – Low Equity (6)						

The 529 program information compiled to create this report and the CAPTRUST 529 Age-Based Allocation Universe is gathered from publicly available program sources as of the date of this report, unless otherwise stated. The 529 programs that make up the CAPTRUST 529 Age-Based Allocation Universe each release equity exposure and other data at varying internals. If any of the information within this report differs from updated sources, the updated source document supersedes the data in this report.



DEFINITIONS	
Terms	Definition & Application
Composite Benchmark	The composite benchmark is a weighted metric used to compare the relative performance of the underlying funds within an Age-Based option against those funds' respective benchmarks. The performance of each is weighted against the actual weighting of each Age-Based option. These values are not reflective of the portfolio's actual performance; rather, the performance solely of the underlying funds in isolation.
Composite Data Points	All data points (performance metrics/risk metrics/manager tenure/expense ratios) are provided via Morningstar and are shown as weighted composites relative to the stated allocations.
Peer Group	Peer group is determined by comparing equity exposures for similar Age-Based options within the Cammack Age-Based Allocation Universe. The performance of each Age-Based option is first weighted relative to the exposure of each underlying fund. This value is than equally weighted against each other fund within the respective proprietary ranked subgroup.
Standard Deviation	Statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over a certain period of time. This metric is used to try and predict the range of returns for a given fund. A high value signifies greater volatility, as the predicted range of performance is wide. A low value signifies lower volatility, as the predicted range of performance is more focused.

