

County of Cook, IL

Deferred Compensation Plan

As of December 31, 2022



Plan Summary

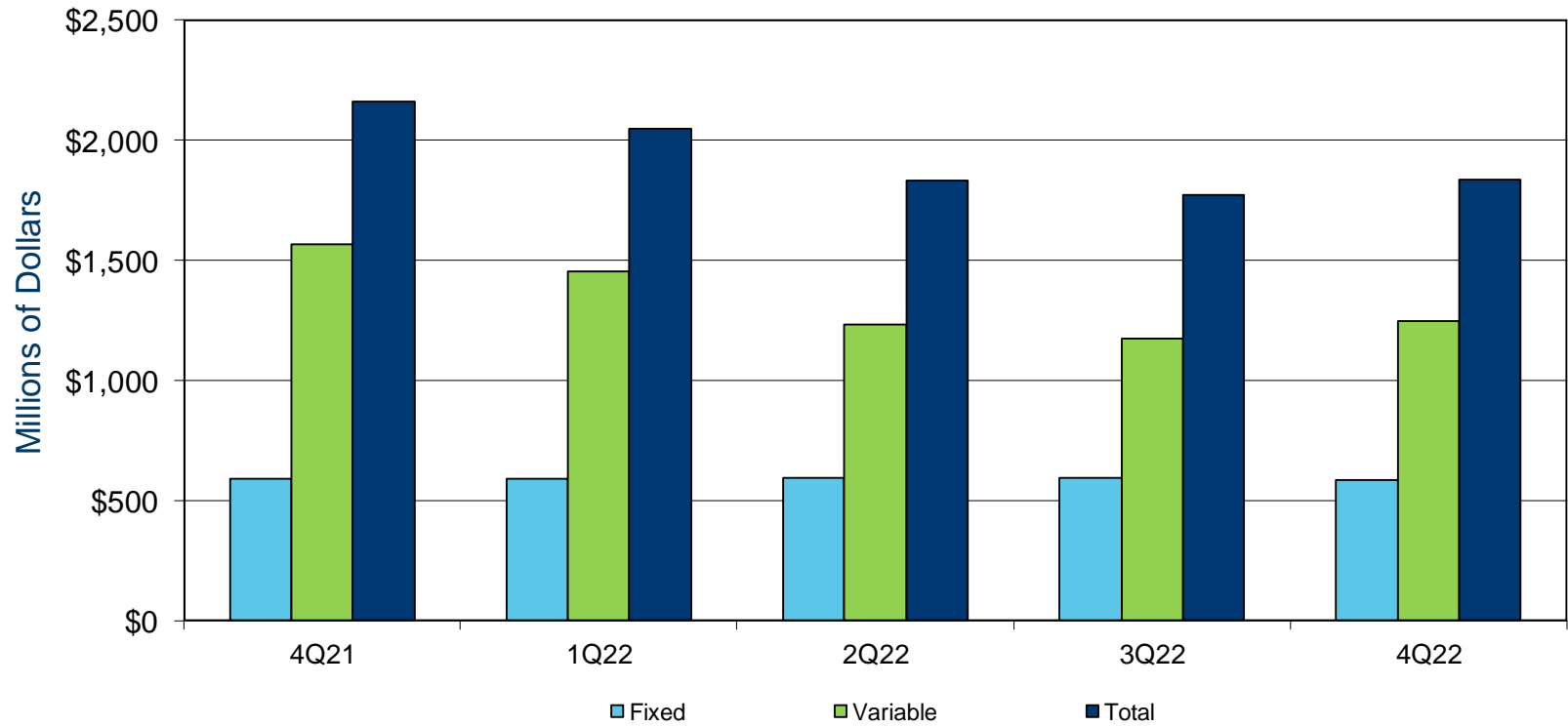
Plan Summary

Beginning Balance as of 9/30/2022	\$ 1,734,942,720
Contributions	\$ 16,132,227
Transfers In	\$ 1,925,815
Loan Repayments	\$ 3,715,053
SDO Transfers In	\$ 27,441
Dividends & Interest	\$ 30,800,569
Market Gain/(Loss)	\$ 56,219,676
Charges/Fees	\$ (613,010)
Distributions	\$ (18,405,262)
Transfers out	\$ (20,033,277)
Loan Disbursements	\$ (3,716,188)
SDO Transfers Out	\$ (25,200)
Balance on 12/31/22	\$ 1,800,970,564
Schwab PCRA	\$ 5,827,847
Outstanding Loan Balance	\$ 29,722,898
Ending Balance as of 12/31/2022	\$ 1,836,521,309

*As of December 31, 2022

Plan Assets

Asset Growth*



*As of December 31, 2022

Assets by Investment Option*

<u>Investment Option</u>	<u>Assets</u>	<u>% of Total</u>
Asset Allocation		
Vanguard LifeStrategy Growth Fund (Investor Shares)	\$ 52,327,791.11	2.85%
Vanguard LifeStrategy Moderate Growth Fund (Investor Shares)	\$ 44,299,029.31	2.41%
Vanguard LifeStrategy Conservative Growth Fund (Investor Shares)	\$ 16,409,208.37	0.89%
T. Rowe Price Retirement 2025 Fund (Investor Class)	\$ 8,848,011.98	0.48%
T. Rowe Price Retirement 2030 Fund (Investor Class)	\$ 7,280,506.34	0.40%
T. Rowe Price Retirement 2040 Fund (Investor Class)	\$ 6,575,972.73	0.36%
T. Rowe Price Retirement 2035 Fund (Investor Class)	\$ 5,610,495.89	0.31%
T. Rowe Price Retirement 2045 Fund (Investor Class)	\$ 5,373,302.97	0.29%
T. Rowe Price Retirement 2050 Fund (Investor Class)	\$ 4,588,063.18	0.25%
T. Rowe Price Retirement 2020 Fund (Investor Class)	\$ 3,752,889.35	0.20%
T. Rowe Price Retirement 2055 Fund (Investor Class)	\$ 2,439,085.63	0.13%
T. Rowe Price Retirement 2010 Fund (Investor Class)	\$ 843,680.66	0.05%
T. Rowe Price Retirement 2015 Fund (Investor Class)	\$ 492,850.78	0.03%
Total	\$ 158,840,888.30	8.65%
International Stocks		
EuroPacific Growth Fund (Class R5)	\$ 89,580,404.91	4.88%
Capital World Growth & Income Fund (Class R6)	\$ 64,882,094.45	3.53%
Total	\$ 154,462,499.36	8.41%

*As of December 31, 2022

Assets by Investment Option*

<u>Investment Option</u>	<u>Assets</u>	<u>% of Total</u>
Small-Cap Stocks		
Vanguard Small-Cap Index Fund (Institutional Shares)	\$ 29,630,549.97	1.61%
William Blair Small Cap Growth Fund (Class I)	\$ 18,731,691.36	1.02%
Neuberger Berman Genesis Fund (Institutional Class)	\$ 15,872,823.56	0.86%
Victory Sycamore Small Company Opportunity Fund (Class I)	\$ 12,954,097.64	0.71%
Total	\$ 77,189,162.53	4.20%
Mid-Cap Stocks		
Vanguard Mid-Cap Index Fund (Institutional Shares)	\$ 48,922,133.01	2.66%
JP Morgan Mid Cap Value Fund (Class L)	\$ 42,748,958.69	2.33%
Total	\$ 91,671,091.70	4.99%
Large-Cap Stocks		
Fidelity Contrafund (Class K6)	\$ 229,940,092.06	12.52%
Vanguard Institutional Index Fund (Institutional Shares)	\$ 175,192,125.45	9.54%
Growth Fund of America (Class R6)	\$ 77,727,816.04	4.23%
American Century Focused Large Cap Value Fund (Class R6)	\$ 44,860,949.35	2.44%
T. Rowe Price U.S. Equity Research Fund (I Class)	\$ 39,237,785.54	2.14%
Invesco Growth and Income Fund (Class Y)	\$ 35,185,108.14	1.92%
Total	\$ 602,143,876.58	32.79%

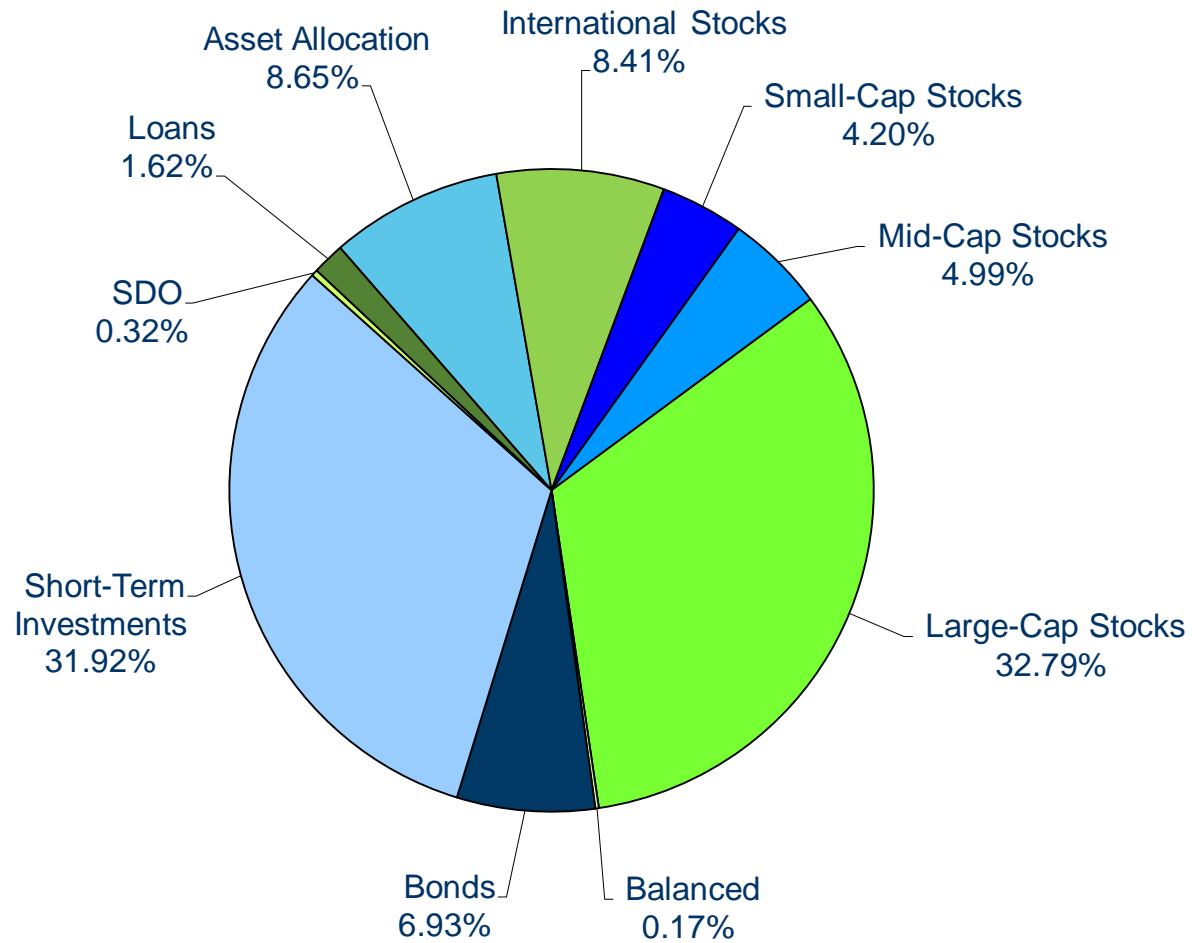
*As of December 31, 2022

Assets by Investment Option*

<u>Investment Option</u>	<u>Assets</u>	<u>% of Total</u>
Balanced		
T. Rowe Price Retirement Balanced Fund (Investor Class)	\$ 3,076,222.01	0.17%
Bonds		
Dodge & Cox Income Fund	\$ 127,326,893.79	6.93%
Short-Term Investments		
Cook County Blended Fixed Option	\$ 586,259,929.86	31.92%
Self-Directed Option		
Schwab PCRA	\$ 5,827,847.01	0.32%
Loans		
Loan Outstanding Principal	\$ 29,722,897.79	1.62%
Total:	\$ 1,836,521,308.93	100.00%

*As of December 31, 2022

Assets by Investment Category*

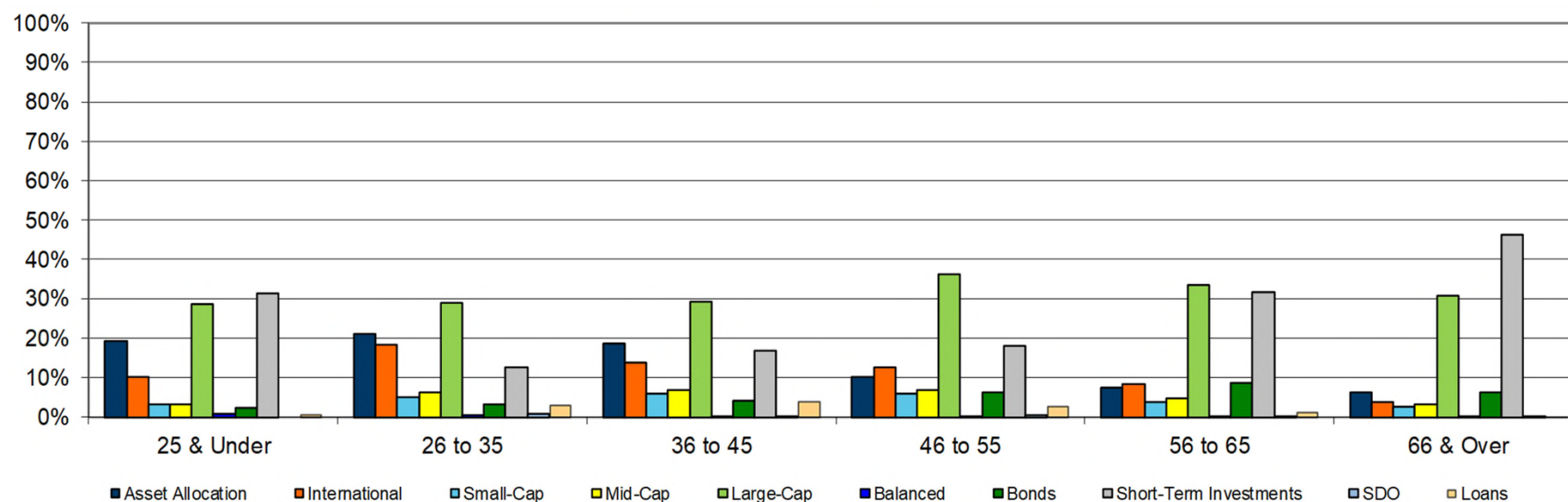


*As of December 31, 2022

Assets by Participant Age Group and Asset Class*

Age Group	Asset Allocation	International	Small-Cap	Mid-Cap	Large-Cap	Balanced	Bonds	Short-Term Investments	SDO	Loans	Total
25 & Under	\$62,041	\$33,303	\$10,330	\$10,588	\$91,758	\$2,892	\$7,289	\$101,115	\$0	\$2,782	\$322,098
26 to 35	\$4,604,238	\$4,000,123	\$1,130,828	\$1,349,157	\$6,314,266	\$92,654	\$684,124	\$2,747,319	\$160,860	\$727,962	\$21,811,532
36 to 45	\$23,845,484	\$17,858,336	\$7,674,116	\$9,004,608	\$37,493,686	\$243,074	\$5,199,471	\$21,773,990	\$257,440	\$5,491,592	\$128,841,797
46 to 55	\$44,827,871	\$55,429,662	\$26,111,232	\$30,018,444	\$158,102,304	\$847,219	\$27,172,743	\$79,416,680	\$3,011,249	\$12,765,394	\$437,702,798
56 to 65	\$48,234,266	\$54,469,391	\$25,397,839	\$31,196,742	\$214,792,499	\$1,318,035	\$55,993,876	\$203,606,046	\$1,853,494	\$8,782,188	\$645,644,376
66 & Over	\$37,266,988	\$22,671,685	\$16,864,818	\$20,091,553	\$185,349,363	\$572,347	\$38,269,391	\$278,614,781	\$544,804	\$1,952,980	\$602,198,709
Total	\$158,840,888	\$154,462,499	\$77,189,163	\$91,671,092	\$602,143,877	\$3,076,222	\$127,326,894	\$586,259,930	\$5,827,847	\$29,722,898	\$1,836,521,309

Percentage of Assets by Asset Class within Age Group



*As of December 31, 2022

Assets by Participant Age Group and Averages*

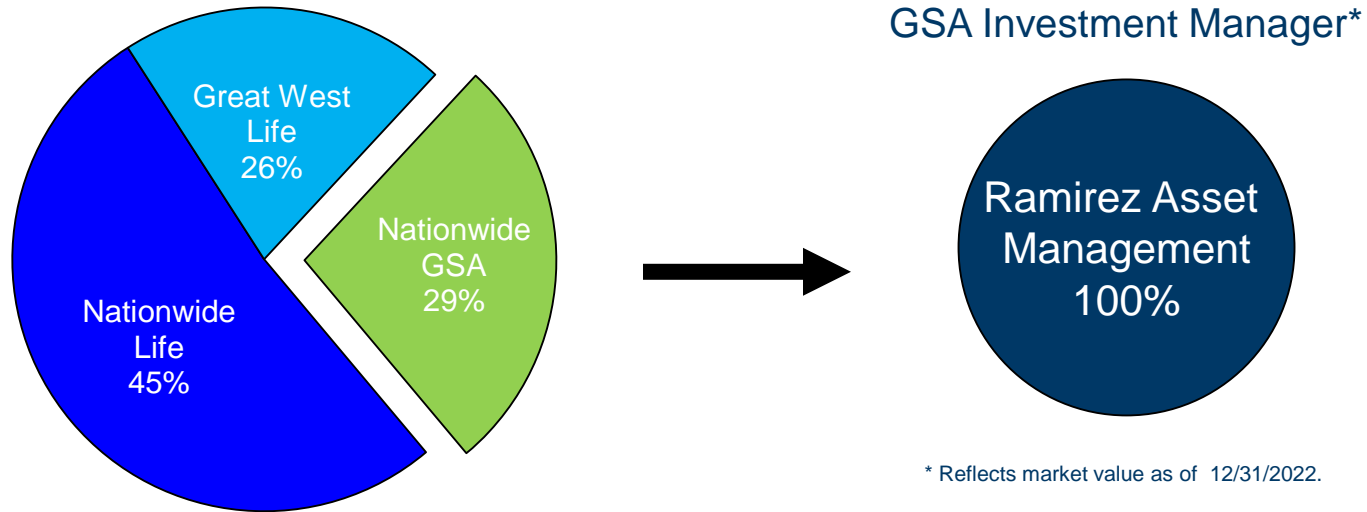
Age	Participants**	Assets	% of Total	Avg Balance
25 & Under	68	\$322,098	0.02%	\$4,737
26 to 35	1,491	\$21,811,532	1.19%	\$14,629
36 to 45	3,449	\$128,895,090	7.02%	\$37,372
46 to 55	5,321	\$437,649,505	23.83%	\$82,249
56 to 65	5,081	\$645,644,376	35.16%	\$127,070
66 & Over	3,715	\$602,198,709	32.79%	\$162,099
Total:	19,125	\$1,836,521,309	100.00%	\$96,027

* As of December 31, 2022

** Represents the number of open participant accounts with a balance greater than zero on December 31, 2022.

Blended Fixed Breakdown

Cook County Blended Fixed Option



* Reflects market value as of 12/31/2022.

Product Provider	1st Quarter 2023 Interest Yield	12/31/2022 Book Value**	12/31/2022 Market Value	Net Purchase Allocation 4Q2022	Net Redemption Allocation 4Q2022
Nationwide GSA	2.30%	\$167,401,891	\$154,392,591	33%	29%
Nationwide Life Insurance Company	2.30%	\$264,735,455	\$264,735,455	34%	45%
Great West Life Insurance Company	3.00%	\$154,115,894	\$154,115,894	33%	26%
Cook County Blended Fixed	2.48%	\$586,259,930	\$573,243,940		

**The Book Value total for the Cook County Blended Fixed does not equal the sum of the Book Values for the underlying contracts. This difference is expected and is a factor in the computation of the next quarterly yield for the Cook County Blended Fixed Option.

Effective on December 31, 2020, Empower Retirement (Empower) acquired the retirement business of MassMutual. Through this transaction, business written by MassMutual, including the GIA, is reinsured by Great-West Life & Annuity Insurance Company (GWLA) and in New York by Great-West Life & Annuity Insurance Company of New York.

Cook County Blended Fixed Option

3-Year Yield History

	2021			
Product	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Nationwide Life (Gen. Acct.)	2.75%	2.65%	2.60%	2.55%
MassMutual Life Insurance Company	3.00%	3.00%	3.00%	3.00%
Nationwide Life (GSA)	2.05%	1.92%	1.83%	1.95%
Blended Rate	2.61%	2.53%	2.49%	2.49%

	2022			
Product	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Nationwide Life (Gen. Acct.)	2.50%	2.40%	2.35%	2.30%
Great West Life Insurance Company	3.00%	3.00%	3.00%	3.00%
Nationwide Life (GSA)	1.96%	2.31%	2.16%	2.13%
Blended Rate	2.48%	2.53%	2.46%	2.44%

	2023			
Product	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Nationwide Life (Gen. Acct.)	2.30%			
Great West Life Insurance Company	3.00%			
Nationwide Life (GSA)	2.30%			
Blended Rate	2.48%			

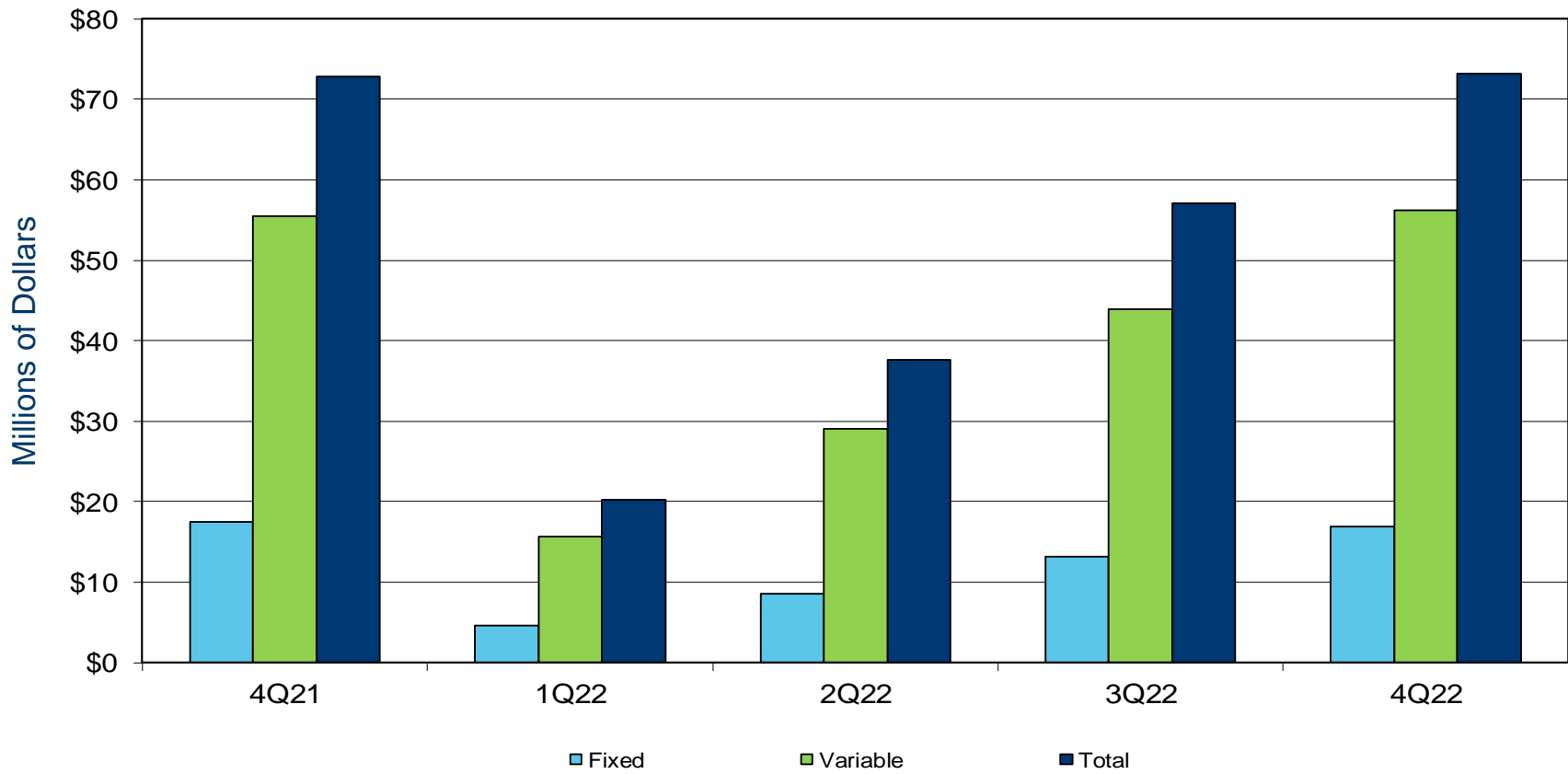
Self-Directed Option*

Date	Beginning Balance	Transfers TO Schwab	Transfers FROM Schwab	Ending Balance	Participants
4Q21	\$8,605,295	\$56,150	\$155,471	\$8,638,592	97
1Q22	\$8,638,592	\$101,962	\$265,785	\$7,678,415	98
2Q22	\$7,678,415	\$5,000	\$121,701	\$5,783,861	97
3Q22	\$5,783,861	\$491,987	\$10	\$6,104,137	94
4Q22	\$6,104,137	\$25,200	\$27,441	\$5,827,847	93

*As of December 31, 2022

Plan Deferrals

Deferral Growth*



*As of December 31, 2022 YTD

Deferrals by Investment Option*

<u>Investment Option</u>	<u>Deferrals</u>	<u>% of Total</u>
Asset Allocation		
Vanguard LifeStrategy Growth Fund (Investor Shares)	\$ 4,384,197.77	5.99%
Vanguard LifeStrategy Moderate Growth Fund (Investor Shares)	\$ 1,668,142.62	2.28%
T. Rowe Price Retirement 2040 Fund (Investor Class)	\$ 986,118.20	1.35%
T. Rowe Price Retirement 2030 Fund (Investor Class)	\$ 962,717.08	1.32%
T. Rowe Price Retirement 2050 Fund (Investor Class)	\$ 909,730.89	1.24%
T. Rowe Price Retirement 2045 Fund (Investor Class)	\$ 867,254.29	1.18%
T. Rowe Price Retirement 2035 Fund (Investor Class)	\$ 700,400.04	0.96%
T. Rowe Price Retirement 2025 Fund (Investor Class)	\$ 648,540.74	0.89%
Vanguard LifeStrategy Conservative Growth Fund (Investor Shares)	\$ 623,376.38	0.85%
T. Rowe Price Retirement 2055 Fund (Investor Class)	\$ 527,475.04	0.72%
T. Rowe Price Retirement 2020 Fund (Investor Class)	\$ 144,932.95	0.20%
T. Rowe Price Retirement 2010 Fund (Investor Class)	\$ 40,924.72	0.06%
T. Rowe Price Retirement 2015 Fund (Investor Class)	\$ 24,625.02	0.03%
Total	\$ 12,488,435.74	17.06%
International Stocks		
EuroPacific Growth Fund (Class R5)	\$ 5,979,494.33	8.17%
Capital World Growth & Income Fund (Class R6)	\$ 3,949,649.51	5.40%
Total	\$ 9,929,143.84	13.57%

*As of December 31, 2022 YTD

Deferrals by Investment Option*

<u>Investment Option</u>	<u>Deferrals</u>	<u>% of Total</u>
Small-Cap Stocks		
Vanguard Small-Cap Index Fund (Institutional Shares)	\$ 1,400,745.33	1.91%
Neuberger Berman Genesis Fund (Institutional Class)	\$ 808,522.26	1.10%
William Blair Small Cap Growth Fund (Class I)	\$ 731,802.26	1.00%
Victory Sycamore Small Company Opportunity Fund (Class I)	\$ 658,586.99	0.90%
Total	\$ 3,599,656.84	4.92%
Mid-Cap Stocks		
Vanguard Mid-Cap Index Fund (Institutional Shares)	\$ 2,521,625.84	3.45%
JP Morgan Mid Cap Value Fund (Class L)	\$ 1,950,658.24	2.67%
Total	\$ 4,472,284.08	6.11%
Large-Cap Stocks		
Vanguard Institutional Index Fund (Institutional Shares)	\$ 6,008,293.88	8.21%
Fidelity Contrafund (Class K6)	\$ 4,531,343.90	6.19%
The Growth Fund of America (Class R6)	\$ 3,345,971.15	4.57%
American Century Focused Large Cap Value Fund (Class R6)	\$ 2,246,526.27	3.07%
T. Rowe Price U.S. Equity Research Fund (I Class)	\$ 2,158,056.37	2.95%
Invesco Growth and Income Fund (Class Y)	\$ 1,703,626.28	2.33%
Total	\$ 19,993,817.85	27.32%

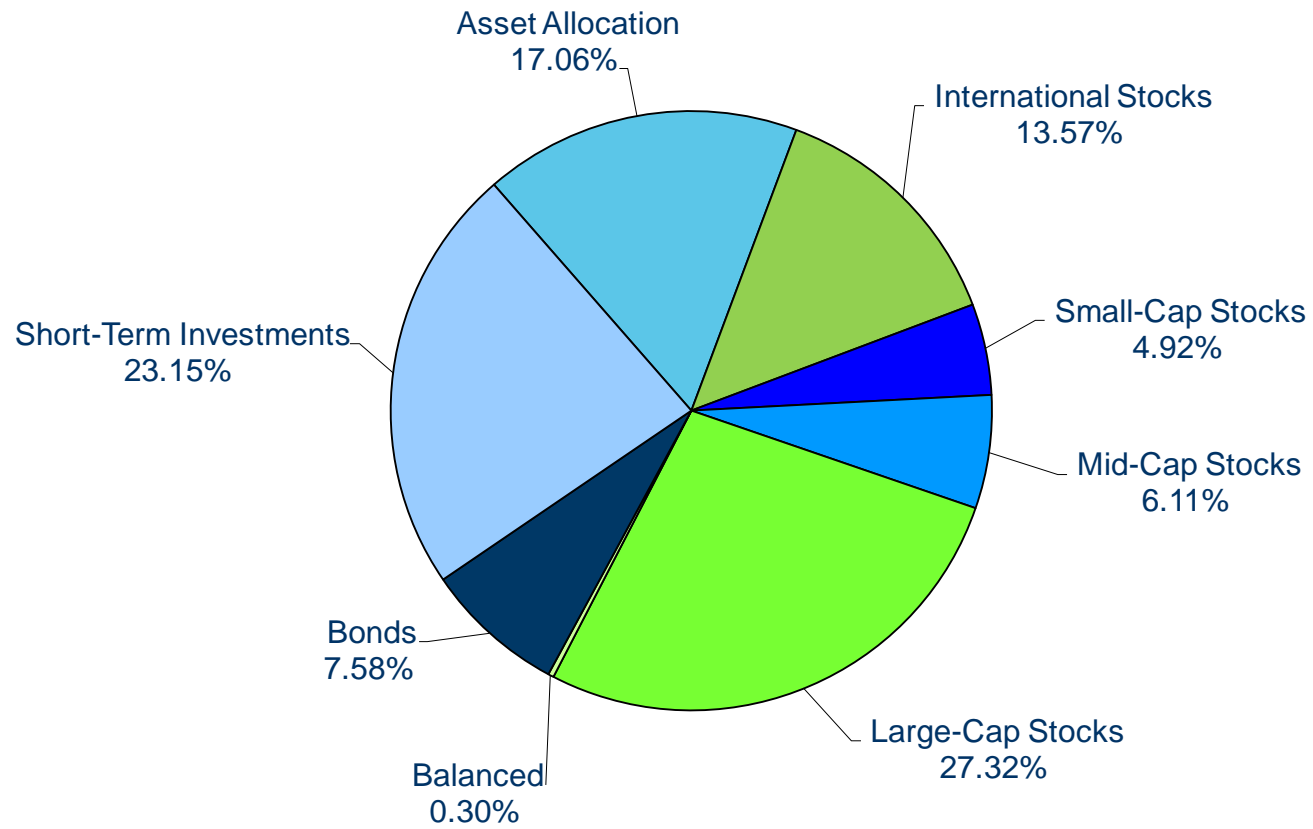
*As of December 31, 2022 YTD

Deferrals by Investment Option*

<u>Investment Option</u>	<u>Deferrals</u>	<u>% of Total</u>
Balanced		
T. Rowe Price Retirement Balanced Fund (Investor Class)	\$ 220,704.61	0.30%
Bonds		
Dodge & Cox Income Fund	\$ 5,546,178.09	7.58%
Short-Term Investments		
Cook County Blended Fixed Option	\$ 16,942,458.81	23.15%
Total:	\$ 73,192,679.86	100.00%

*As of December 31, 2022 YTD

Deferrals by Investment Category*

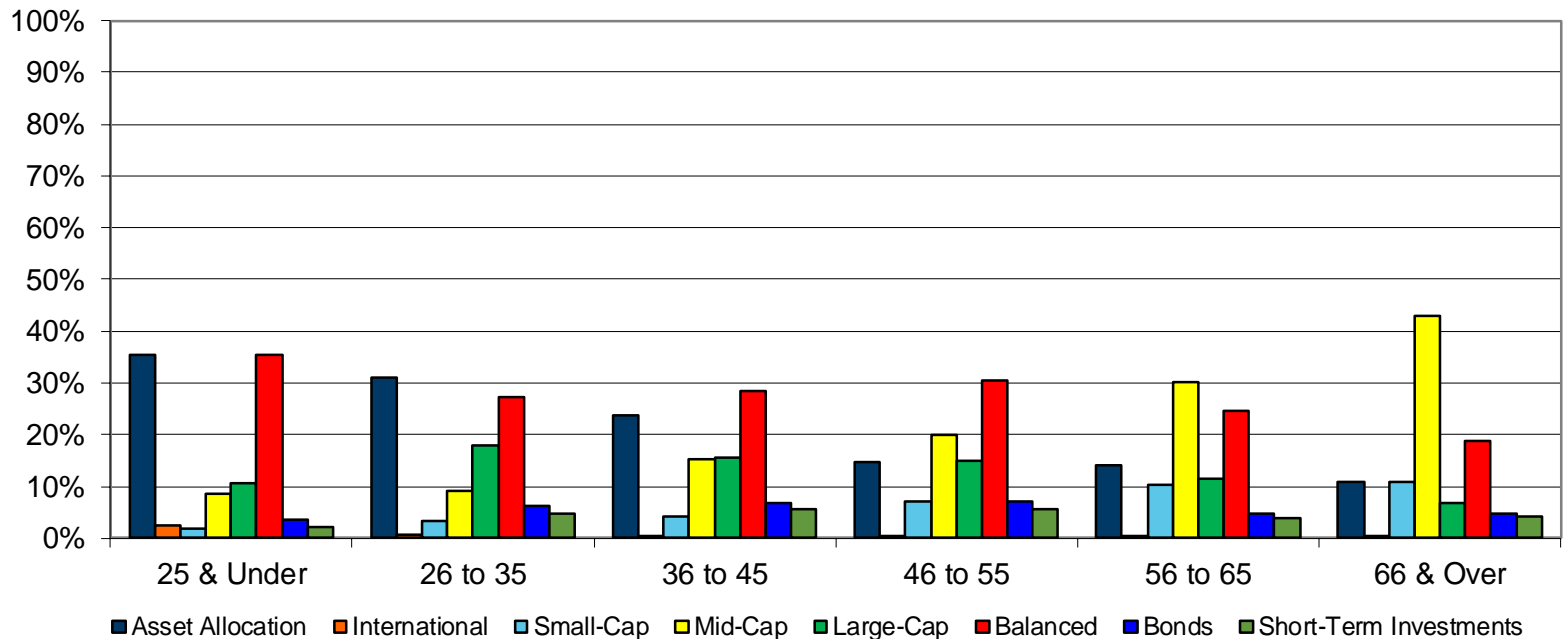


*As of December 31, 2022 YTD

Deferrals by Participant Age Group and Asset Class*

Age Group	Asset							Short-Term Investments	Total
	Allocation	International	Small-Cap	Mid-Cap	Large-Cap	Balanced	Bonds		
25 & Under	\$42,178	\$2,925	\$2,389	\$10,243	\$12,557	\$42,482	\$4,263	\$2,558	\$119,595
26 to 35	\$1,414,620	\$26,740	\$145,954	\$416,088	\$811,159	\$1,248,119	\$285,216	\$214,617	\$4,562,512
36 to 45	\$3,435,059	\$35,730	\$623,180	\$2,220,105	\$2,261,735	\$4,146,843	\$1,002,297	\$805,218	\$14,530,168
46 to 55	\$3,856,065	\$55,369	\$1,864,602	\$5,297,578	\$3,934,620	\$8,060,654	\$1,858,575	\$1,471,416	\$26,398,879
56 to 65	\$3,177,398	\$81,021	\$2,341,808	\$6,779,398	\$2,556,691	\$5,527,990	\$1,076,992	\$883,867	\$22,425,164
66 & Over	\$563,117	\$18,920	\$568,246	\$2,219,047	\$352,381	\$967,730	\$244,939	\$221,982	\$5,156,361
Total	\$12,488,436	\$220,705	\$5,546,178	\$16,942,459	\$9,929,144	\$19,993,818	\$4,472,284	\$3,599,657	\$73,192,680

Percentage of Deferrals by Asset Class within Age Group



*As of December 31, 2022 YTD

Deferrals by Participant Age and Averages*

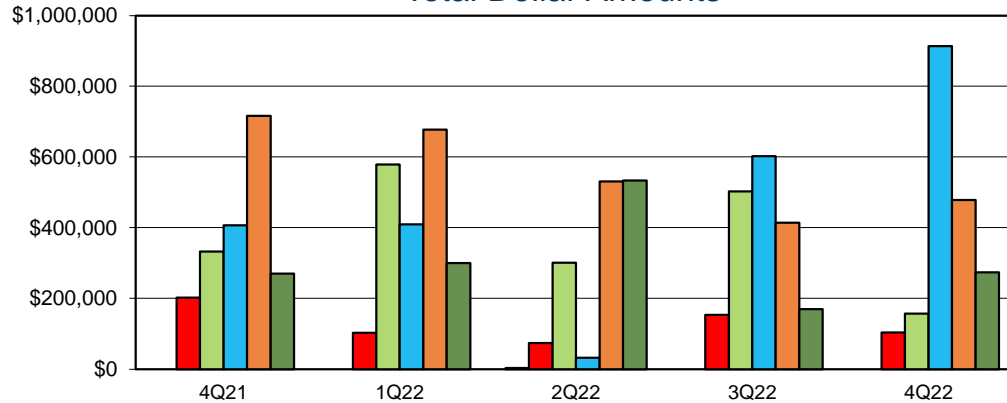
Age	Participants**	Deferrals	% of Total	Avg Def (YTD)
25 & Under	56	\$119,595	0.16%	\$2,136
26 to 35	1,280	\$4,562,512	6.23%	\$3,564
36 to 45	2,880	\$14,530,168	19.85%	\$5,045
46 to 55	4,311	\$26,398,879	36.07%	\$6,124
56 to 65	2,951	\$22,425,164	30.64%	\$7,599
66 & Over	625	\$5,156,361	7.04%	\$8,250
Total:	12,103	\$73,192,680	100.00%	\$6,047

* As of December 31, 2022 YTD

** Represents the number of participants who have deferred between January 1 and December 31, 2022.

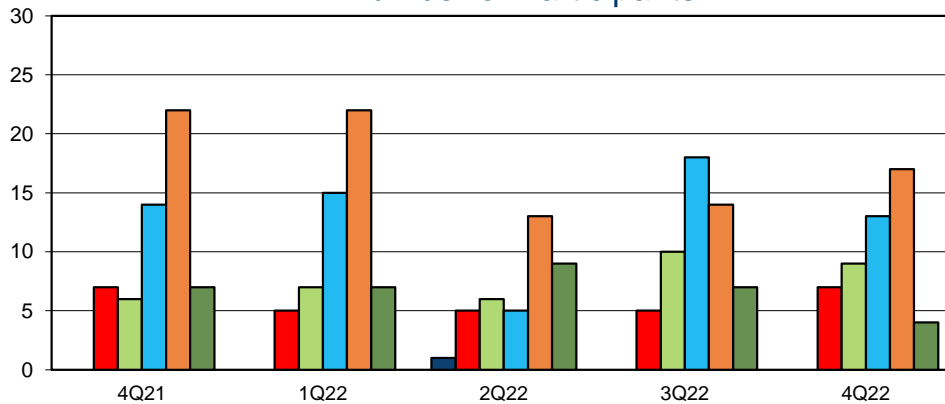
Transfers/Rollovers In by Age Group*

Total Dollar Amounts



Age Group	4Q21	1Q22	2Q22	3Q22	4Q22
25 & Under	\$0	\$0	\$3,120	\$0	\$0
26-35	\$202,381	\$102,099	\$73,483	\$152,836	\$103,605
36-45	\$332,401	\$578,478	\$300,458	\$502,879	\$156,925
46-55	\$406,477	\$409,642	\$31,538	\$602,441	\$913,536
56-65	\$715,713	\$677,040	\$530,444	\$414,063	\$478,087
66 & Older	\$270,251	\$299,534	\$533,314	\$169,499	\$273,662
Total	\$1,927,224	\$2,066,794	\$1,472,357	\$1,841,719	\$1,925,815

Number of Participants

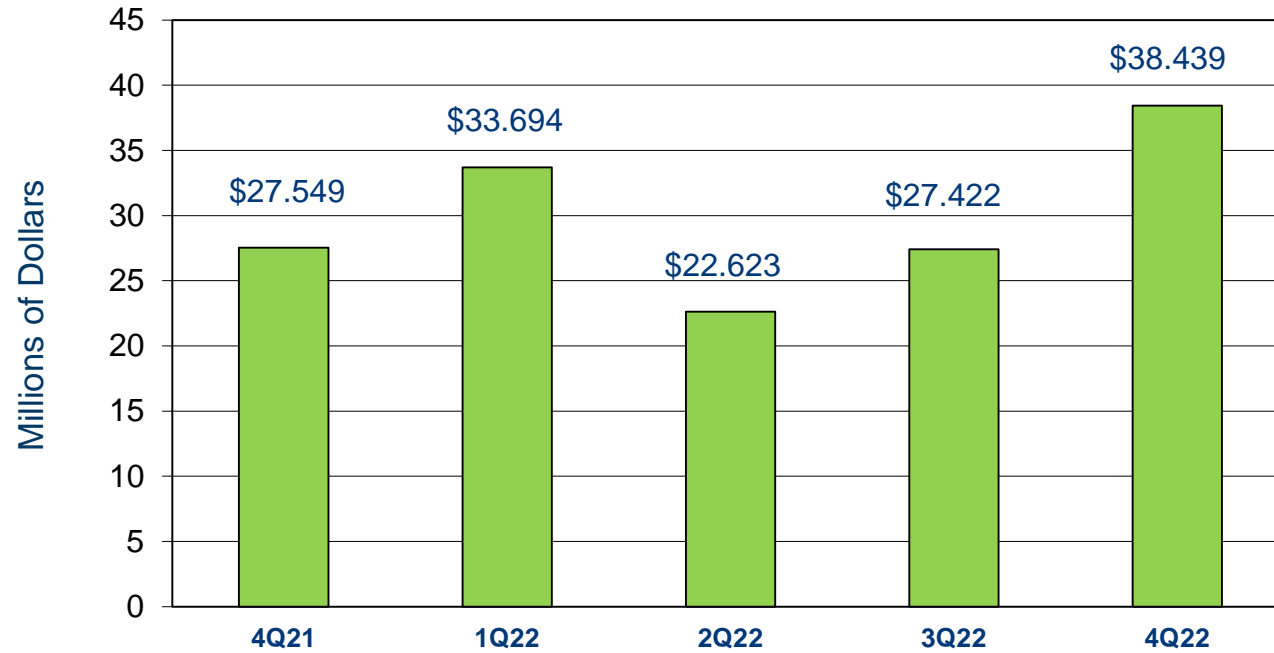


Age Group	4Q21	1Q22	2Q22	3Q22	4Q22
25 & Under	0	0	1	0	0
26-35	7	5	5	5	7
36-45	6	7	6	10	9
46-55	14	15	5	18	13
56-65	22	22	13	14	17
66 & Older	7	7	9	7	4
Total	56	56	39	54	50

*As of December 31, 2022

Distributions

Withdrawals*

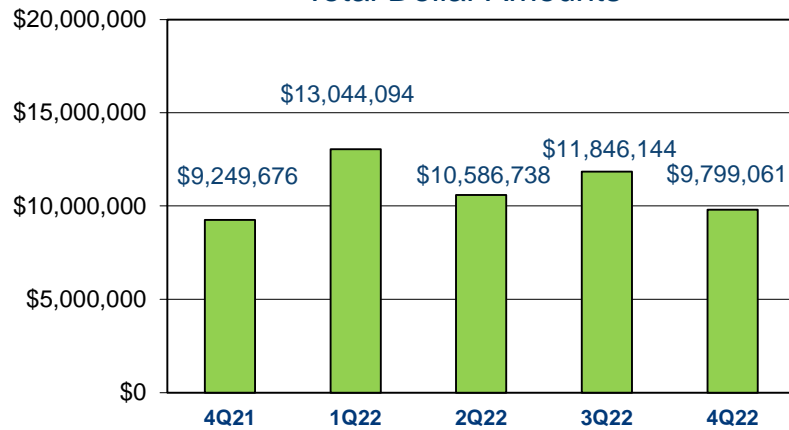


	4Q21	1Q22	2Q22	3Q22	4Q22
Total Distributed	\$27,549,083	\$33,694,151	\$22,622,794	\$27,421,500	\$38,438,539
Total Withdrawals	3,070	2,462	2,462	2,694	2,972
Total Participants	2,026	1,390	1,369	1,477	2,043

*As of December 31, 2022

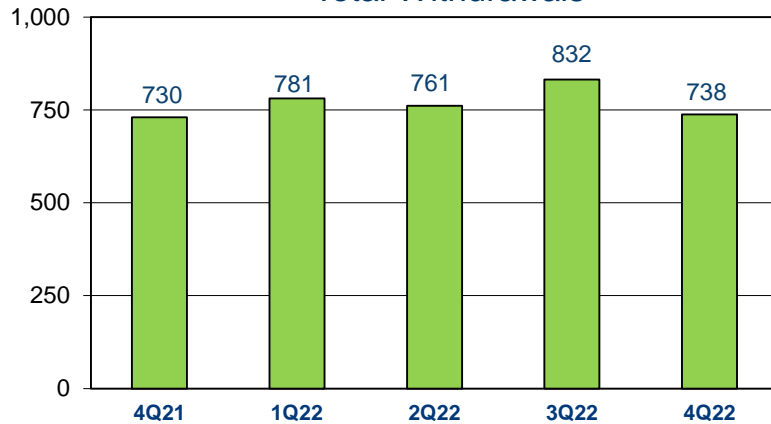
Partial/Lump Sum Distribution Activity*

Total Dollar Amounts



	4Q21	1Q22	2Q22	3Q22	4Q22
Total Distributed	\$9,249,676	\$13,044,094	\$10,586,738	\$11,846,144	\$9,799,061

Total Withdrawals

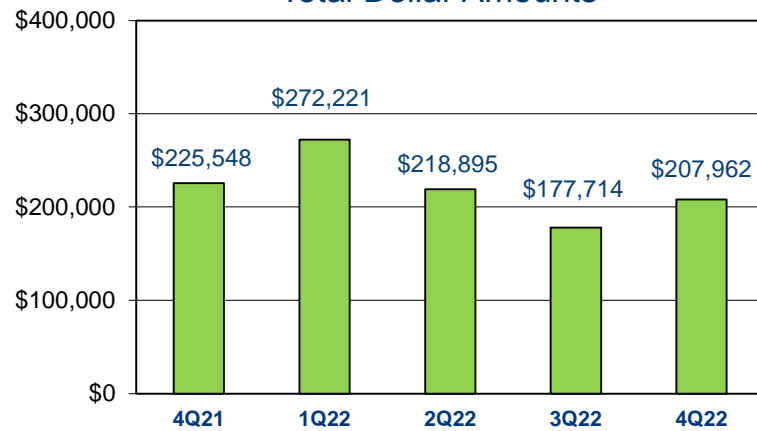


	4Q21	1Q22	2Q22	3Q22	4Q22
Total Withdrawals	730	781	761	832	738
Total Participants	565	598	541	600	565

*As of December 31, 2022

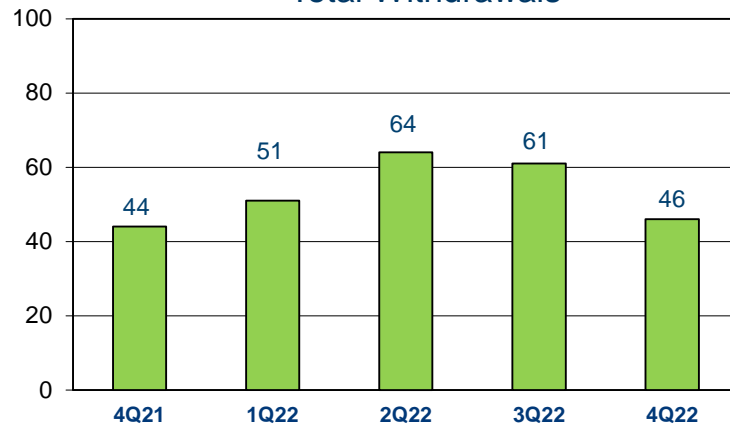
Unforeseeable Emergency Distribution Activity*

Total Dollar Amounts



	4Q21	1Q22	2Q22	3Q22	4Q22
Total Distributed	\$225,548	\$272,221	\$218,895	\$177,714	\$207,962

Total Withdrawals

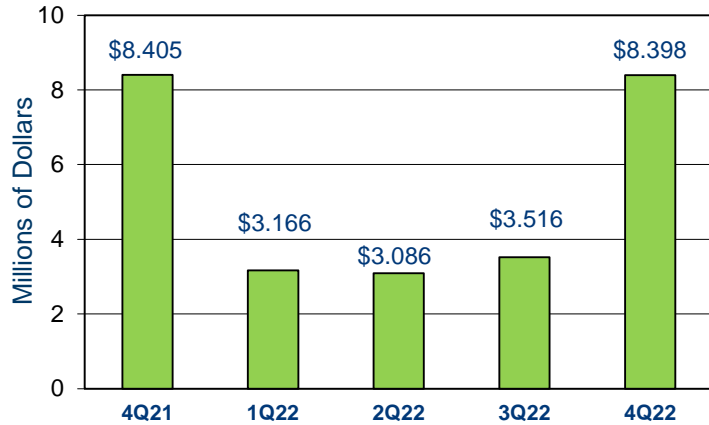


	4Q21	1Q22	2Q22	3Q22	4Q22
Total Withdrawals	44	51	64	61	46
Total Participants	40	47	57	58	42

*As of December 31, 2022

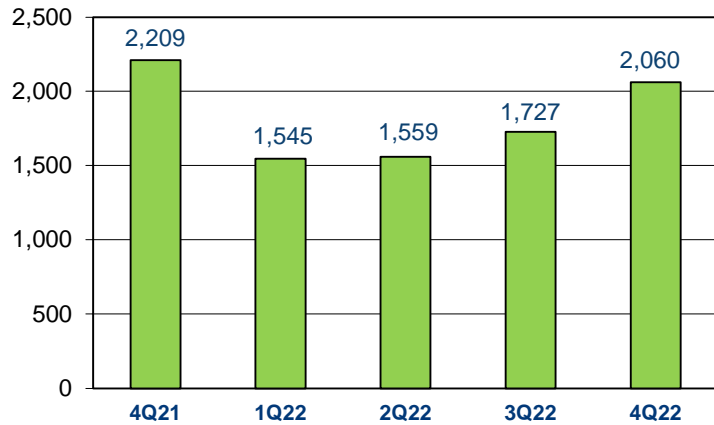
Systematic Withdrawal Activity*

Total Dollar Amounts



	4Q21	1Q22	2Q22	3Q22	4Q22
Total Distributed	\$8,404,685	\$3,166,490	\$3,085,547	\$3,515,872	\$8,398,239

Total Withdrawals

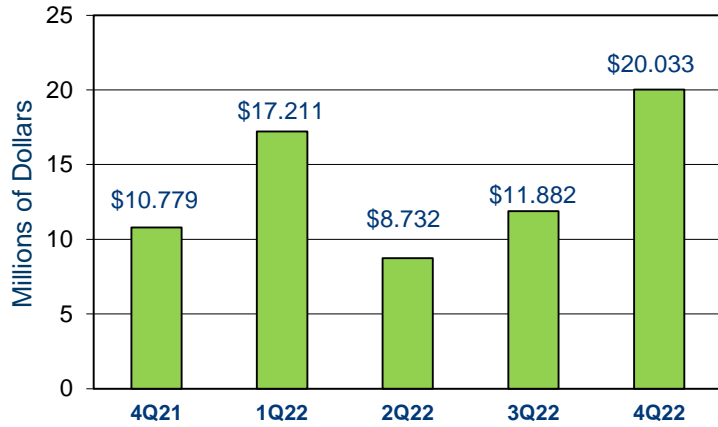


	4Q21	1Q22	2Q22	3Q22	4Q22
Total Withdrawals	2,209	1,545	1,559	1,727	2,060
Total Participants	1,336	662	693	743	1,319

*As of December 31, 2022

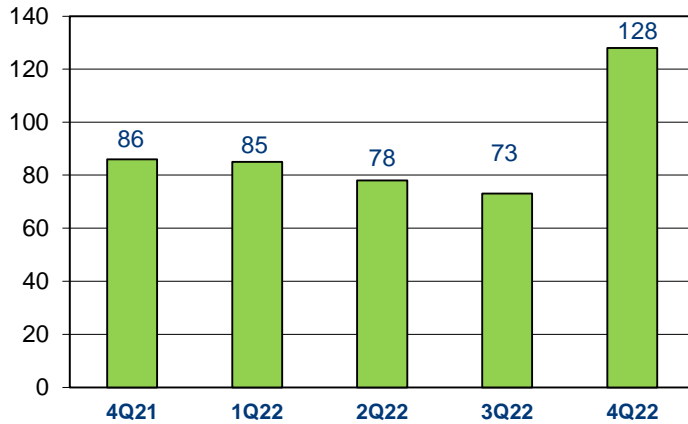
Transfers/Rollovers Out Activity*

Total Dollar Amounts



	4Q21	1Q22	2Q22	3Q22	4Q22
Total Distributed	\$10,779,029	\$17,211,346	\$8,731,614	\$11,881,770	\$20,033,277

Total Withdrawals



	4Q21	1Q22	2Q22	3Q22	4Q22
Total Withdrawals	86	85	78	73	128
Total Participants	86	83	78	69	117

*As of December 31, 2022

Transfers/Rollovers Out Activity*

Receiving Instituion	4Q22 Number	4Q22 Amount
ALLSTATE BENEFITS CENTER	1	\$355,279.22
AMERICAN FUNDS SERVICE COMPANY	1	\$39,843.67
ASSETMARK TRUST COMPANY	2	\$1,156,602.46
ATHENE ANNUITY AND LIFE COMPANY	1	\$50,000.00
ATLAS WEALTH MANAGEMENT	3	\$23,403.17
AXOS ADVISOR SERVICES	1	\$105,839.99
BRIGHTHOUSE FINANCIAL	1	\$3,800.00
CHARLES SCHWAB & CO INC	8	\$1,784,779.05
CREDIT UNION 1	1	\$44,226.40
EDWARD JONES INVESTMENTS	5	\$1,404,916.28
EMPOWER RETIREMENT	4	\$233,094.72
EQUITABLE RETIREMENT	1	\$485,053.47
ESCHEATMENT	6	\$44,263.87
EVERGREEN BANK GROUP	1	\$4,452.76
FEDERAL LIFE INSURANCE COMPANY	1	\$182,408.57
FIDELITY MANAGEMENT TRUST COMPANY	9	\$2,588,520.83
GLOBAL ATLANTIC FINANCIAL	1	\$156,741.78
GUIDELINE	2	\$0.00
JP MORGAN SECURITIES LLC	8	\$1,731,270.95
LPL FINANCIAL LLC	3	\$663,161.81
MASSMUTUAL RETIREMENT SERVICES	1	\$25,277.65
MERRILL LYNCH PIERCE FENNER & SMITH INC	1	\$6,814.97
MORGAN STANLEY SMITH BARNEY LLC	7	\$1,533,908.31

Receiving Instituion	4Q22 Number	4Q22 Amount
NATIONAL FINANCIAL SERVICES	3	\$808,596.34
NATIONWIDE	12	\$542,110.21
NORTHWESTERN MUTUAL	3	\$6,025.20
NUMARK CREDIT UNION	1	\$5,375.21
PERSHING LLC	5	\$464,005.50
PFS INVESTMENTS INC	1	\$39,643.52
PNC INVESTMENTS	2	\$339,218.35
PRIMERICA SHAREHOLDER SERVICES	1	\$8,928.99
RAYMOND JAMES & ASSOC INC	1	\$323.68
RBC WEALTH MANAGEMENT	1	\$58,048.00
RJ TRUST COMPANY OF NH	1	\$796,172.56
TD AMERITRADE INSTITUTIONAL	2	\$1,302,824.55
THRIFT SAVINGS PLAN	1	\$4,978.45
THRIVENT FUNDS	2	\$41,280.37
TIAA	1	\$31,594.31
TSP ROLLOVER & TRANSFER PROCESSING UNIT	1	\$3,511.21
UBS FINANCIAL SERVICES INC	2	\$746,082.11
US BANCORP	1	\$386,907.04
US BANK	1	\$118,213.30
VANGUARD FIDUCIARY TRUST COMPANY	12	\$1,126,444.48
VOYA INSTITUTIONAL TRUST COMPANY	2	\$69,961.76
WABASH GLOBAL 401K TRUST	1	\$377,887.20
WELLS FARGO CLEARING SERVICES LLC	2	\$131,484.23
Grand Total	128	\$20,033,276.50

*As of December 31, 2022

Loans*

Quarter	Total Outstanding (Active)	Total Amount Outstanding (Active)	Average Amount Outstanding (Active)	Newly Defaulted	Amount Defaulted	Total Defaulted	Total Default Principal Amount
4Q2021	5,166	\$28,726,427	\$5,561	75	\$307,964	1,968	\$11,375,057
1Q2022	5,106	\$28,890,820	\$5,658	95	\$577,148	2,004	\$11,732,444
2Q2022	5,117	\$30,056,785	\$5,874	75	\$341,597	2,022	\$11,733,422
3Q2022	5,057	\$30,057,913	\$5,944	118	\$593,133	2,078	\$12,009,429
4Q2022	4,954	\$29,722,634	\$6,000	134	\$600,359	2,155	\$12,227,657

*As of December 31, 2022

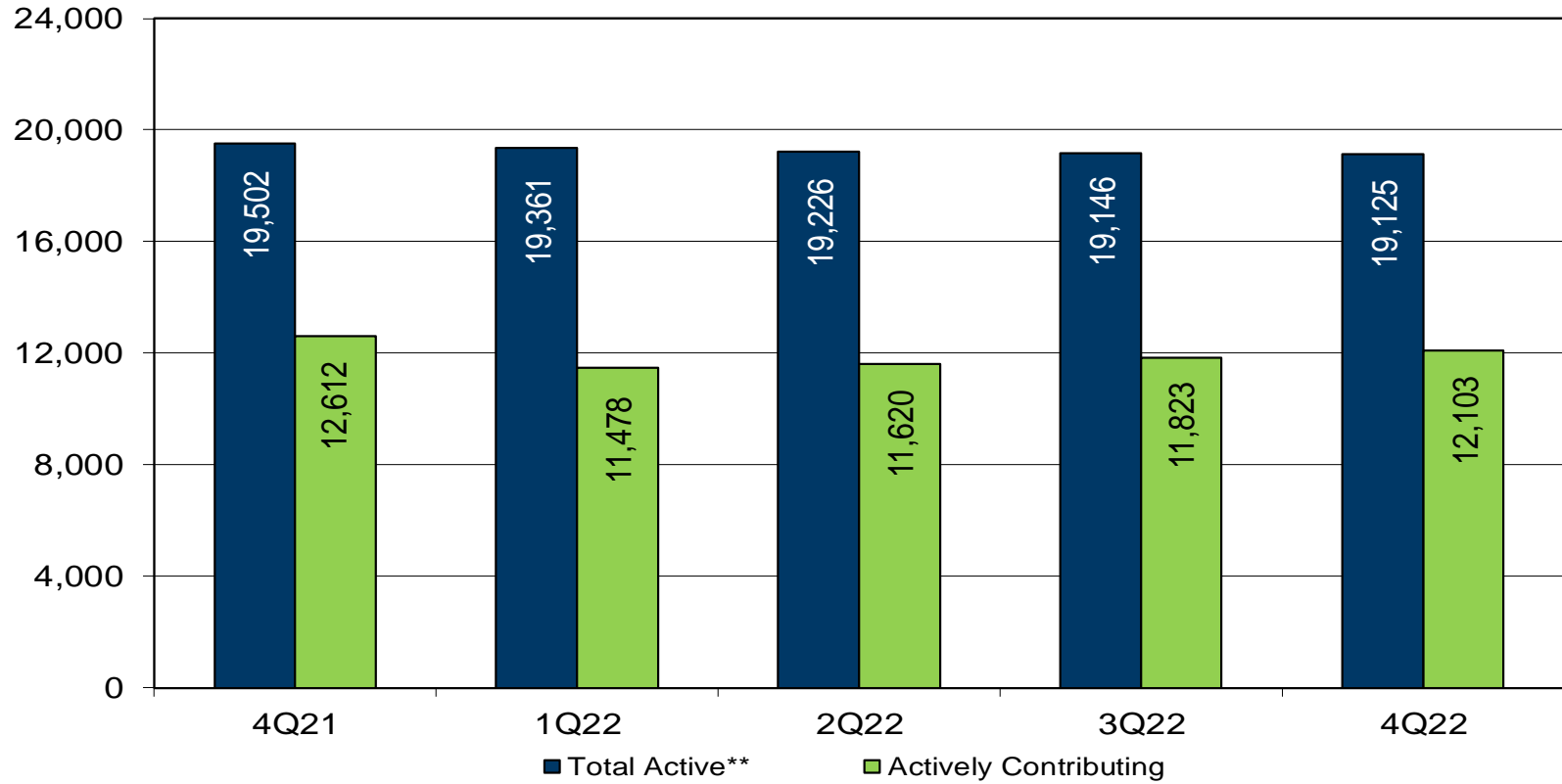
Loans*

Quarter	Loans Initiated	Loan Amount	Avg Loan Amount	Amount<5,000	Amount >= \$5,000	General Purpose	Primary Residence
4Q2021	459	\$4,039,536	\$8,801	222	237	451	8
1Q2022	431	\$4,049,584	\$9,396	169	262	423	8
2Q2022	530	\$4,850,112	\$9,151	233	297	520	10
3Q2022	523	\$4,048,862	\$7,742	253	270	518	5
4Q2022	463	\$3,716,188	\$8,026	235	228	460	3

*As of December 31, 2022

Participation

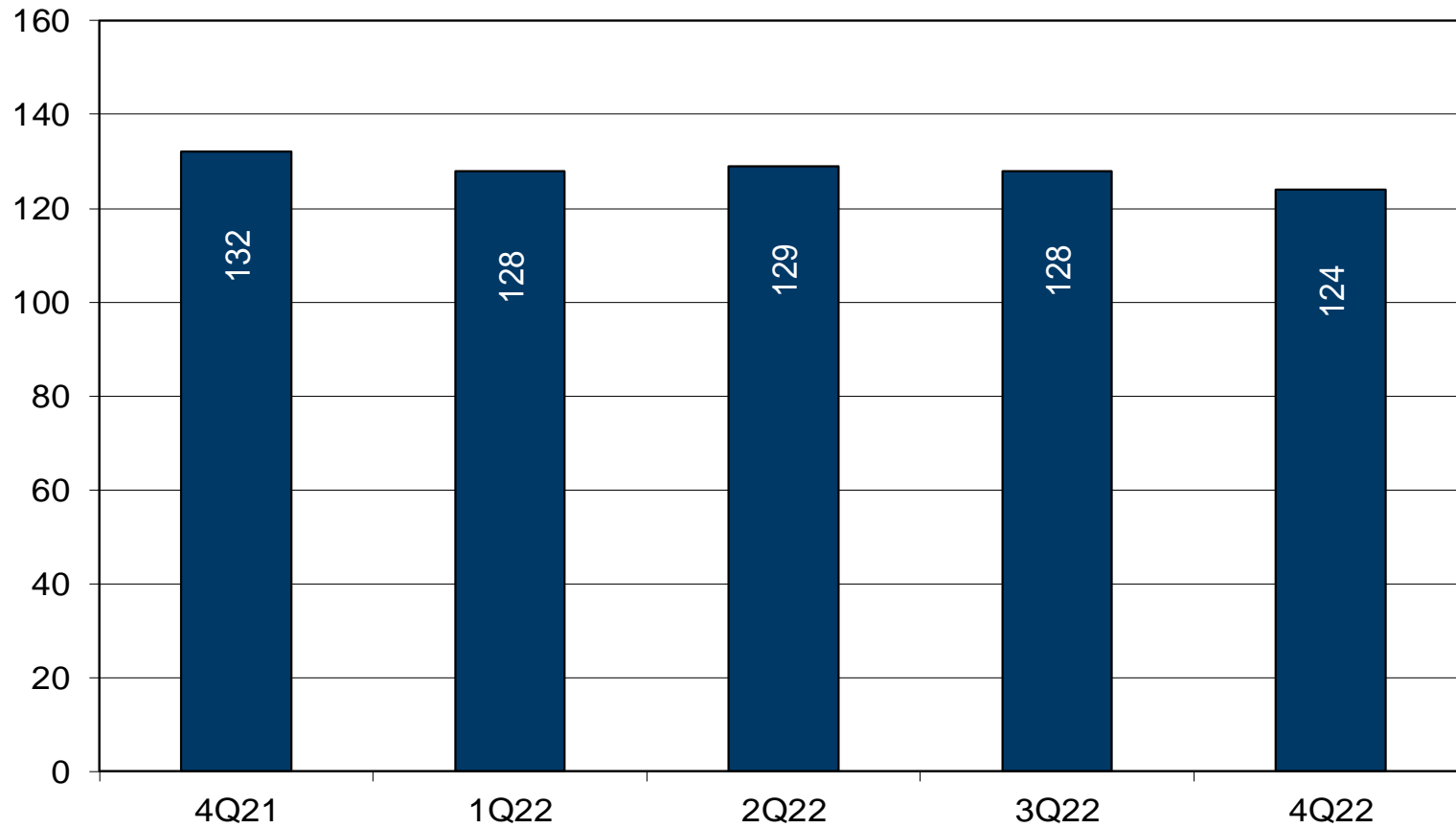
Participant Growth Information*



**Total Active is defined as the number of participants who have an account balance greater than \$0.
Actively Contributing represents the number of participants who deferred during the year.

*As of December 31, 2022

Lost and Dormant Participants*



*Lost is defined as participant's address on file is not good. Dormant is defined as no activity in the preceding 12 months.

*As of December 31, 2022

Service Statistics

Service Statistics*

Contact	2021	2022
Work-place visits	1**	61**
New enrollments	554	630
Contribution elections	4,948	4,745
Calls to Retirement Resource Group	834	953
Walk-in visits to local office	105***	212***
Voice response unit calls	7,112	4,519
Web-site hits (www.CookCountyDC.com)	719,233	525,576
My Investment Planner Advice	244	318

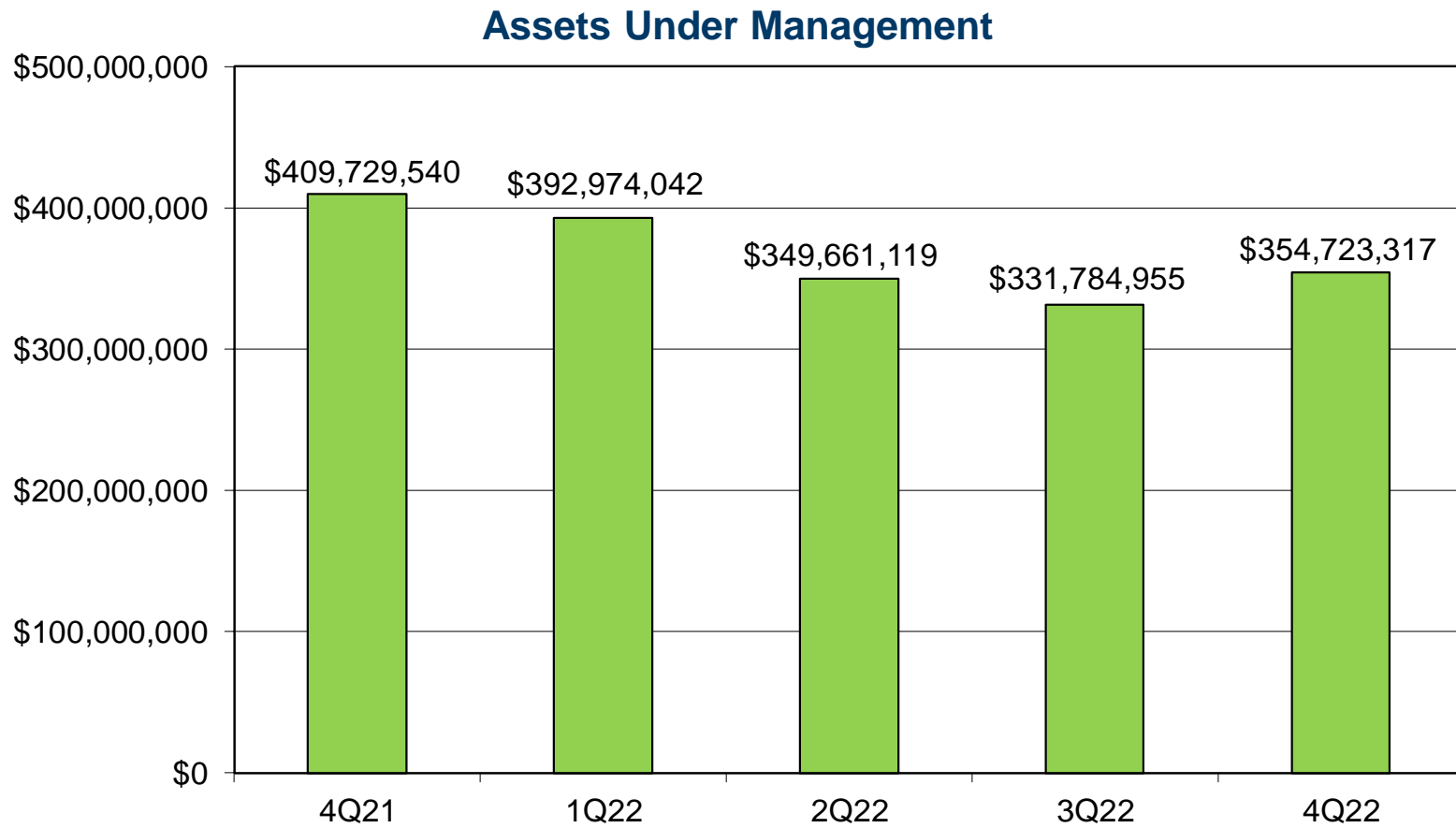
**In person meetings were suspended in March 2020 due to COVID-19 pandemic.

***The local office reopened for meetings by appointment only in July 2021.

*As of December 31, 2022

ProAccount Managed Account Activity

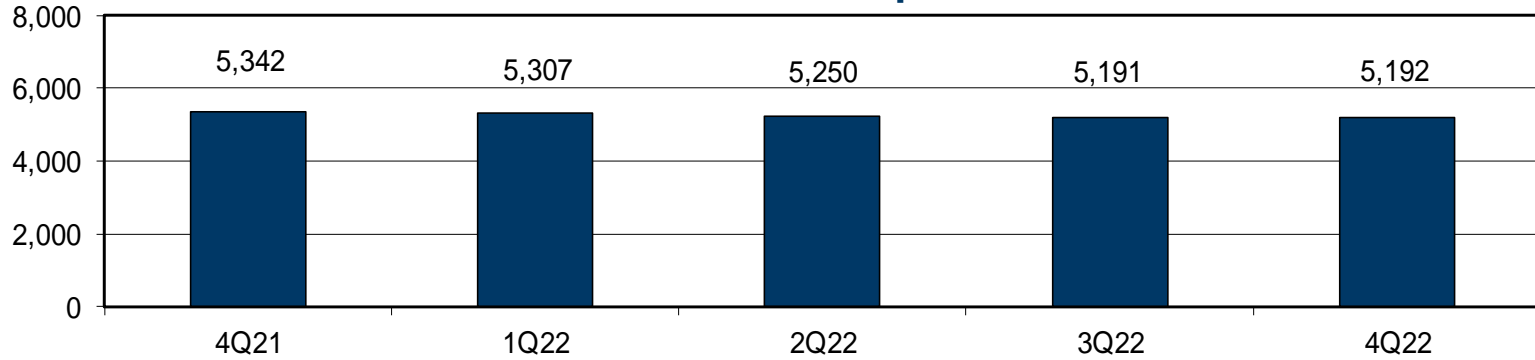
ProAccount Managed Account Activity*



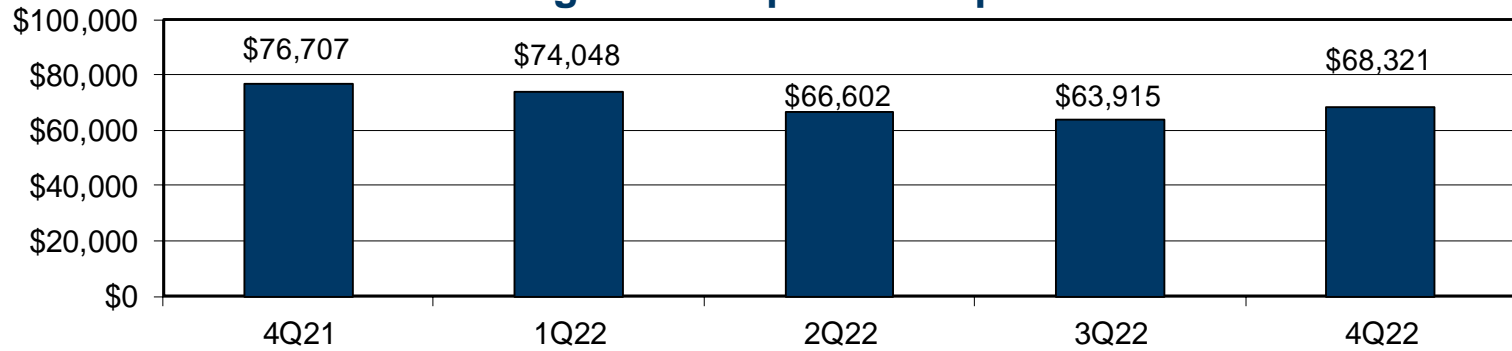
*As of December 31, 2022

ProAccount Managed Account Activity*

Number of Participants



Average Assets per Participant



*As of December 31, 2022

Reserve Account Activity

4th Quarter 2022 Revenue Calculation*

Investment Option	Gross Expense Ratio	Annual Fund Reimbursement Rate	10/31/2022 Account Value	11/30/2022 Account Value	12/31/2022 Account Value	4Q2022 Fund Reimbursement Revenue	Plan Compensation (0.0075%)
American Century Focused Large Cap Value Fund - Class R6	0.48%	0.00%	43,365,253	45,514,360	44,860,949	-	(835)
Capital World Growth and Income Fund(SM) - Class R6	0.42%	0.00%	61,695,687	67,189,098	64,882,094	-	(1,217)
Cook County Blended Fixed Option	N/A	0.00%	596,933,802	591,879,832	586,259,930	-	(11,208)
Dodge & Cox Income Fund - Class I	0.41%	0.08%	120,261,355	128,188,540	127,326,894	25,251	(2,361)
EuroPacific Growth Fund(R) - Class R5	0.51%	0.05%	83,756,796	92,589,820	89,580,405	11,166	(1,673)
Fidelity Contrafund K6	0.45%	0.00%	235,061,015	244,976,434	229,940,092	-	(4,476)
Invesco Growth and Income Fund - Class Y	0.53%	0.25%	35,988,999	36,928,625	35,185,108	22,700	(674)
JPMorgan Mid Cap Value Fund - Class L	0.83%	0.10%	42,702,213	44,988,747	42,748,959	10,955	(820)
Loan Outstanding Principal Balance	N/A	0.00%	29,923,309	29,881,530	29,720,219	-	-
Neuberger Berman Genesis Fund - Institutional Class	0.84%	0.10%	16,401,203	17,023,980	15,872,824	4,140	(296)
Schwab Personal Choice Retirement Account	N/A	0.00%	6,246,615	6,331,057	5,827,847	-	-
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2010 Fund	0.49%	0.15%	832,567	863,719	843,681	320	(16)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2015 Fund	0.51%	0.15%	480,572	505,504	492,851	186	(9)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2020 Fund	0.53%	0.15%	3,655,588	3,842,544	3,752,889	1,418	(71)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2025 Fund	0.55%	0.15%	9,012,994	9,530,377	8,848,012	3,450	(172)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2030 Fund	0.58%	0.15%	6,834,681	7,461,079	7,280,506	2,718	(136)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2035 Fund	0.59%	0.15%	5,377,152	5,798,084	5,610,496	2,115	(106)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2040 Fund	0.60%	0.15%	6,087,975	6,564,762	6,575,973	2,423	(121)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2045 Fund	0.62%	0.15%	5,005,882	5,565,554	5,373,303	2,008	(107)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2050 Fund	0.63%	0.15%	4,308,999	4,728,116	4,588,063	1,716	(87)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement 2055 Fund	0.64%	0.15%	2,454,982	2,585,059	2,439,086	942	(47)
T. Rowe Price Retirement Funds, Inc. - T. Rowe Price Retirement Balanced Fund	0.49%	0.15%	2,999,018	3,112,203	3,076,222	1,158	(58)
T. Rowe Price U.S. Equity Research Fund - I Class	0.34%	0.00%	39,199,971	41,737,445	39,237,786	-	(750)
The Growth Fund of America(R) - Class R6	0.30%	0.00%	79,260,653	83,595,062	77,727,816	-	(1,509)
Vanguard(R) Institutional Index Fund - Institutional Shares	0.035%	0.00%	176,536,286	186,413,743	175,192,125	-	(3,404)
Vanguard(R) LifeStrategy(R) Conservative Growth Fund - Investor Shares	0.12%	0.00%	16,001,789	16,834,765	16,409,208	-	(310)
Vanguard(R) LifeStrategy(R) Growth Fund - Investor Shares	0.14%	0.00%	50,143,922	54,183,889	52,327,791	-	(988)
Vanguard(R) LifeStrategy(R) Moderate Growth Fund - Investor Shares	0.13%	0.00%	43,380,682	45,802,080	44,299,029	-	(841)
Vanguard(R) Mid-Cap Index Fund - Institutional Shares	0.04%	0.00%	49,060,236	52,013,822	48,922,133	-	(933)
Vanguard(R) Small-Cap Index Fund - Institutional Shares	0.04%	0.00%	30,167,054	31,534,550	29,630,550	-	(576)
Victory Sycamore Small Company Opportunity Fund - Class I	0.89%	0.10%	12,646,512	13,274,546	12,954,098	3,265	(230)
William Blair Small Cap Growth Fund - Class I	1.25%	0.15%	18,890,843	19,725,862	18,731,691	7,225	(362)
Total			1,834,674,606	1,901,164,792	1,836,518,630	103,158	(34,391)

Note: Monthly fund values are rounded; monthly totals are based on actual fund amount.

*As of December 31, 2022

4th Quarter 2022 Reserve Account Activity*

Activity	Date	Amount
Beginning Balance	10/1/2022	\$637,707
September Reserve Account Deposit	10/3/2022	\$10,677
Callan LLC Invoice # SI-2209024	11/1/2022	(\$27,500)
Baker Tilly US LLP - Invoice # BT2198907	11/1/2022	(\$17,500)
October Reserve Account Deposit	11/4/2022	\$11,451
November Reserve Account Deposit	12/6/2022	\$11,479
Morgan, Lewis & Brockius LLP - Invoice # 5082520	12/8/2022	(\$2,928)
Baker Tilly US LLP - Invoice # BT2227490	12/21/2022	(\$15,700)
NAGDCA Membership Renewal	12/21/2022	(\$600)
Investment Performance (Vanguard Treasury Money Market Fund)	12/31/2022	\$5,374
Ending Balance	12/31/2022	\$612,459

*As of December 31, 2022

Performance Guarantees

Performance Guarantees*

Service	Service Standard	Reimbursement Amount	Current Status - YTD as of 12/31/2022
Voice Response System/Participant and Plan Sponsor Website Availability	The Voice Response System/Participant and Plan Sponsor websites will be available 24 hours/day, 7-days per week 99% of the time.	\$5,000 annually	Voice Response System and Website availability was 100.00% for 4Q2022.
Participant Services Phone Availability and Response Time	For the Live Operator Call Center, 70% of calls will be answered within 30 seconds for a live operator, and an abandonment rate of less than 4%.	\$2,500 per calendar year	95.75% of calls were answered within 30 seconds during 4Q2022. 94.99% of calls were answered within 30 seconds during 2022. 1.02% of calls were abandoned during 4Q2022. 1.14% of calls were abandoned during 2022.
Quarterly Participant Statement Delivery	99% in compliance with the Standard below. Dependency: Receipt of all necessary information (example, message approval) from the Plan Sponsor prior to the end of the quarter for which the statement period is applicable. 100% accuracy rate on statements mailed. Standard: Mailed within 30 days of the close of the quarter.	\$5,000 per calendar quarter plus \$1,000 for each additional day that statements are delayed	4Q: Mailed 1/14/2023
Participant Transaction Confirmation Statements	100% in compliance with the Standard below. Standard: Paper or (if applicable) electronic statement mailed or otherwise made available within 2 Business Days of the transaction request. Exchanges, allocation changes and beneficiary changes, name/address changes and enrollment confirmations are included.	\$25 for each confirmation statement delayed	All confirmations mailed within 2 business days of transaction.
Fund Balance Exchanges	Processed same day if initiated prior to the close of the New York Stock Exchange.	\$25 for each occurrence delayed	100% of exchanges were processed the same day for 4Q2022.
Termination/In Service Withdrawals/Rollover Distributions	99% of withdrawals processed within 1 Business Day of the receipt of the request provided the request is received in good order by 4pm ET; processed the next Business Day if received after 4pm ET. Payment issued within 3 Business Days of processing.	\$1,500 per month plus \$50 per day for each check outstanding	100.00% of withdrawals processed within 1 business day of receipt in good order.

*Nationwide is willing to place \$50,000 annual at risk.

Performance Guarantees (Continued)

Service	Service Standard	Reimbursement Amount	Current Status - YTD as of 12/31/2022
Contributions Processed and Posted to Investments	100% processed in compliance with the standard below. Standard: Contributions (with complete and accurate Payroll data) received by close of business on the NYSE (4pm ET) will be processed that Business Day; processed the next Business Day if received after 4pm ET.	Nationwide will correct as of the original effective date, at its expense, any errors it commits in processing contributions sent by the Plan Sponsor as provided in the Agreement. \$2,500 for each payroll submission that is not posted in accordance with the Standard.	All contributions processed in accordance with the Standard
Plan Performance Reviews	Fund and Plan Performance Reviews and Reports will be provided quarterly within thirty (30) days of quarter close to the Committee and its advisors.	\$5,000 per occurrence	Reporting was posted to the Plan's website within 30 business days of quarter end. All applicable data for the Plan's Consultant was provided within 30 business days of quarter end.
Participant Educational Services / Communications Group Meetings	As provided in the Agreement and except as otherwise mutually agreed to in writing with the Committee, Nationwide will conduct 9,000 individual consultations, two hundred thirty-six (236) Countywide site visits, webinars and group workshops annually (virtually/in-person). Nationwide will document the number of Participants, physical location utilized or virtual format, and topics covered as part of the Plan Performance Review.	\$5,000 annually	3,222 individual meetings were held 4Q2022. 12,799 individual meetings were held during 2022. 78 participant group workshops/meetings were held 4Q2022. 286 participant group workshops/meetings were held during 2022.
Participant Satisfaction	A mutually agreed rating of Satisfied to Very Satisfied on a 5-point scale for Overall Plan Satisfaction, with the Annual Participant Satisfaction Survey after surveying (receiving a survey response), at a minimum, from a statistically significant sample of Plan Participants. The Scale is as follows: 1 – Very Dissatisfied; 2 – Dissatisfied; 3 – Neutral; 4 – Satisfied; 5 – Very Satisfied, or “N/A – No basis to provide an opinion”.	\$15,000 annually	The 2022 Participant Satisfaction Survey was conducted during 3rd quarter. Results will be shared during the 4th Quarter Plan review.

Performance Guarantees (Continued)

Service	Service Standard	Reimbursement Amount	Current Status - YTD as of 12/31/2022
Client Satisfaction	Nationwide will administer transactional satisfaction surveys with Participants following individual consultations and attendance at group workshops and/or webinars as conducted by the local Chicago service staff. The survey will be developed jointly with the Committee, fielded monthly, and the results will be shared with the Committee and considered when developing educational plans and while providing Plan Services. Further, Nationwide will provide quarterly results of the call center transactional survey on an aggregate level for the Committee's review.	\$15,000 annually	The consultation and webinar surveys have been developed and are being fielded on a monthly basis for those participants who meet with a retirement specialist or attend a group meeting/webinar. Results will be shared with the Committee as soon as they are available.
Implementation of all New Fund Changes	If a requested investment option is not added within seventy (70) calendar days, after a trading agreement with the investment provider has been established by NATIONWIDE and direction to add has been provided by the Plan in good order, a non-performance fee of \$5,000 will be paid to the plan, per occurrence.	\$5,000 per event	There were no fund changes in 4Q2022.
Written Replies and Resolution to Escalated	Acknowledgment issued in writing or via e-mail within 5 Business Days from the receipt of a mailed written or e-mailed inquiry. 90% resolved within 10 Business Days.	\$150 per transaction	All acknowledgements issued within 5 business days of receipt of inquiry. 100% of formal complaints were resolved within 10 business days.