

Fund for a Grandchild

Baseline Annual Return: 12%

Strategy Inputs

Start Age	0
Start Amt	\$ 10,000
Rate of Return	12.00%
Begin Roth Contrib	21
Roth Contrib	\$ 8,000
Inflate Roth? (Y/N)	n
Roth Catch-Up	\$ -
End Roth Contrib	64
Retire Age	65
Withdrawal Rate	-5%
End Age	95

Rate Inputs

Inflation Rate	3.0%
CG Tax Rate	15.0%
Dividend Rate	2.0%
Ord Div Tax Rate	24.0%

Summary of Results

	Nominal \$	* Real \$
Retire Balance-Tax	\$ 1,183,128	\$ 173,226
Retire Balance-Roth	\$ 10,857,840	\$ 1,589,732
First Ret. Dist.	\$ 542,892	\$ 79,487
Last Ret. Dist.	\$ 3,281,109	\$ 203,855
Total Retire Distrib.	\$ 46,065,750	\$ 3,971,489
End Balance-Tax	\$ 31,161,227	\$ 1,879,655
End Balance-Roth	\$ 69,822,000	\$ 4,211,686
Total Benefit	\$ 147,048,977	\$ 10,062,830

(* Note: 3% inflation is assumed to calculate Real \$.)

Fund for a Grandchild

Baseline Annual Return: 12%

Funding Decision Sensitivities

Effect of Annual Return (Real \$)

	Annual Return, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	12.0%	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	11.5%	\$ -	\$ 1,319,967	\$ 65,998	\$ 148,665	\$ 3,059,668	\$ -	\$ 3,057,740	\$ 6,117,408
	11.0%	\$ -	\$ 992,039	\$ 49,602	\$ 98,078	\$ 2,136,037	\$ -	\$ 2,008,212	\$ 4,144,248
	10.5%	\$ -	\$ 742,360	\$ 37,118	\$ 64,387	\$ 1,486,497	\$ -	\$ 1,312,424	\$ 2,798,921
	10.0%	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	9.5%	\$ -	\$ 412,715	\$ 20,636	\$ 27,500	\$ 717,286	\$ -	\$ 555,476	\$ 1,272,762
	9.0%	\$ -	\$ 306,836	\$ 15,342	\$ 17,904	\$ 497,732	\$ -	\$ 359,992	\$ 857,724
	8.5%	\$ -	\$ 227,726	\$ 11,386	\$ 11,629	\$ 345,220	\$ -	\$ 232,754	\$ 577,974
	8.0%	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	7.5%	\$ -	\$ 124,828	\$ 6,241	\$ 4,873	\$ 165,906	\$ -	\$ 96,640	\$ 262,547
	7.0%	\$ -	\$ 92,191	\$ 4,610	\$ 3,144	\$ 114,954	\$ -	\$ 62,057	\$ 177,012

Effect of Contribution Amount (Real \$)

	Initial Contribution Amount, \$	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	\$ 10,000	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	\$ 9,000	\$ -	\$ 1,588,027	\$ 79,401	\$ 203,636	\$ 3,967,229	\$ -	\$ 4,207,168	\$ 8,174,397
	\$ 8,000	\$ -	\$ 1,424,665	\$ 71,233	\$ 182,688	\$ 3,559,117	\$ -	\$ 3,774,374	\$ 7,333,491
	\$ 7,000	\$ -	\$ 1,253,827	\$ 62,691	\$ 160,781	\$ 3,132,328	\$ -	\$ 3,321,772	\$ 6,454,100
	\$ 6,000	\$ -	\$ 1,085,293	\$ 54,265	\$ 139,170	\$ 2,711,293	\$ -	\$ 2,875,273	\$ 5,586,566
	\$ 5,000	\$ -	\$ 903,093	\$ 45,155	\$ 115,806	\$ 2,256,119	\$ -	\$ 2,392,570	\$ 4,648,689
	\$ 4,000	\$ -	\$ 724,859	\$ 36,243	\$ 92,950	\$ 1,810,853	\$ -	\$ 1,920,373	\$ 3,731,226
	\$ 3,000	\$ -	\$ 545,229	\$ 27,261	\$ 69,916	\$ 1,362,098	\$ -	\$ 1,444,478	\$ 2,806,576
	\$ 2,000	\$ -	\$ 364,434	\$ 18,222	\$ 46,732	\$ 910,435	\$ -	\$ 965,498	\$ 1,875,933
	\$ 1,000	\$ -	\$ 182,670	\$ 9,134	\$ 23,424	\$ 456,349	\$ -	\$ 483,950	\$ 940,299
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Effect of Distribution Percentage (Real \$)

	Distribution Percentage, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	-8.0%	\$ 173,226	\$ 1,589,732	\$ 127,179	\$ 128,619	\$ 3,836,919	\$ 1,879,655	\$ 1,608,358	\$ 7,324,932
	-7.5%	\$ 173,226	\$ 1,589,732	\$ 119,230	\$ 141,104	\$ 3,896,115	\$ 1,879,655	\$ 1,892,343	\$ 7,668,113
	-7.0%	\$ 173,226	\$ 1,589,732	\$ 111,281	\$ 153,982	\$ 3,945,535	\$ 1,879,655	\$ 2,224,520	\$ 8,049,710
	-6.5%	\$ 173,226	\$ 1,589,732	\$ 103,333	\$ 167,039	\$ 3,981,998	\$ 1,879,655	\$ 2,612,739	\$ 8,474,393
	-6.0%	\$ 173,226	\$ 1,589,732	\$ 95,384	\$ 179,981	\$ 4,001,679	\$ 1,879,655	\$ 3,066,079	\$ 8,947,414
	-5.5%	\$ 173,226	\$ 1,589,732	\$ 87,435	\$ 192,421	\$ 3,999,997	\$ 1,879,655	\$ 3,595,026	\$ 9,474,678
	-5.0%	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	-4.5%	\$ 173,226	\$ 1,589,732	\$ 71,538	\$ 213,637	\$ 3,909,659	\$ 1,879,655	\$ 4,930,023	\$ 10,719,337
	-4.0%	\$ 173,226	\$ 1,589,732	\$ 63,589	\$ 220,949	\$ 3,806,810	\$ 1,879,655	\$ 5,766,135	\$ 11,452,599
	-3.5%	\$ 173,226	\$ 1,589,732	\$ 55,641	\$ 224,764	\$ 3,653,845	\$ 1,879,655	\$ 6,738,561	\$ 12,272,061
	-3.0%	\$ 173,226	\$ 1,589,732	\$ 47,692	\$ 223,804	\$ 3,440,041	\$ 1,879,655	\$ 7,868,642	\$ 13,188,339

Fund for a Grandchild

Baseline Annual Return: 12%

Timing Decision Sensitivities

Effect of Contribution Age (Real \$)

	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit	
	Taxable	Roth	First	Last	Total	Taxable	Roth		
Initial Contribution Age	0	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	1	\$ -	\$ 1,630,452	\$ 81,523	\$ 209,077	\$ 4,073,217	\$ -	\$ 4,319,566	\$ 8,392,783
	2	\$ -	\$ 1,518,701	\$ 75,935	\$ 194,747	\$ 3,794,038	\$ -	\$ 4,023,502	\$ 7,817,541
	3	\$ -	\$ 1,409,683	\$ 70,484	\$ 180,767	\$ 3,521,690	\$ -	\$ 3,734,683	\$ 7,256,373
	4	\$ -	\$ 1,306,714	\$ 65,336	\$ 167,563	\$ 3,264,451	\$ -	\$ 3,461,886	\$ 6,726,337
	5	\$ -	\$ 1,210,293	\$ 60,515	\$ 155,199	\$ 3,023,569	\$ -	\$ 3,206,435	\$ 6,230,004
	6	\$ -	\$ 1,120,379	\$ 56,019	\$ 143,669	\$ 2,798,946	\$ -	\$ 2,968,227	\$ 5,767,173
	7	\$ -	\$ 1,036,710	\$ 51,835	\$ 132,940	\$ 2,589,922	\$ -	\$ 2,746,561	\$ 5,336,483
	8	\$ -	\$ 959,011	\$ 47,951	\$ 122,976	\$ 2,395,815	\$ -	\$ 2,540,714	\$ 4,936,529
	9	\$ -	\$ 903,430	\$ 45,172	\$ 115,849	\$ 2,256,962	\$ -	\$ 2,393,464	\$ 4,650,426
	10	\$ -	\$ 820,106	\$ 41,005	\$ 105,164	\$ 2,048,799	\$ -	\$ 2,172,711	\$ 4,221,511

Effect of Roth Start Age (Real \$)

	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit	
	Taxable	Roth	First	Last	Total	Taxable	Roth		
Roth Start Age	25	\$ 735,882	\$ 1,006,319	\$ 50,316	\$ 129,043	\$ 2,513,999	\$ 7,984,987	\$ 2,666,046	\$ 13,165,032
	24	\$ 617,323	\$ 1,128,389	\$ 56,419	\$ 144,696	\$ 2,818,956	\$ 6,698,520	\$ 2,989,447	\$ 12,506,923
	23	\$ 485,107	\$ 1,265,107	\$ 63,255	\$ 162,228	\$ 3,160,508	\$ 5,263,852	\$ 3,351,656	\$ 11,776,016
	22	\$ 337,659	\$ 1,418,232	\$ 70,912	\$ 181,863	\$ 3,543,046	\$ 3,663,910	\$ 3,757,330	\$ 10,964,287
	21	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	20	\$ -	\$ 1,772,919	\$ 88,646	\$ 227,346	\$ 4,429,129	\$ -	\$ 4,697,004	\$ 9,126,133
	19	\$ -	\$ 1,795,700	\$ 89,785	\$ 230,267	\$ 4,486,041	\$ -	\$ 4,757,358	\$ 9,243,400
	18	\$ -	\$ 1,812,442	\$ 90,622	\$ 232,414	\$ 4,527,866	\$ -	\$ 4,801,712	\$ 9,329,577
	17	\$ -	\$ 1,826,854	\$ 91,343	\$ 234,262	\$ 4,563,871	\$ -	\$ 4,839,895	\$ 9,403,766
	16	\$ -	\$ 1,839,901	\$ 91,995	\$ 235,935	\$ 4,596,464	\$ -	\$ 4,874,459	\$ 9,470,923
	15	\$ -	\$ 1,852,038	\$ 92,602	\$ 237,491	\$ 4,626,785	\$ -	\$ 4,906,614	\$ 9,533,399

Effect of Retirement Age (Real \$)

	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit	
	Taxable	Roth	First	Last	Total	Taxable	Roth		
Retirement Age	65	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	64	\$ 161,389	\$ 1,460,779	\$ 73,039	\$ 193,503	\$ 3,842,840	\$ 1,896,072	\$ 3,997,800	\$ 9,736,712
	63	\$ 150,498	\$ 1,342,152	\$ 67,108	\$ 183,657	\$ 3,714,429	\$ 1,914,380	\$ 3,794,396	\$ 9,423,205
	62	\$ 140,483	\$ 1,233,021	\$ 61,651	\$ 174,294	\$ 3,586,699	\$ 1,934,797	\$ 3,600,939	\$ 9,122,435
	61	\$ 131,277	\$ 1,132,621	\$ 56,631	\$ 165,386	\$ 3,460,034	\$ 1,957,566	\$ 3,416,915	\$ 8,834,515
	60	\$ 122,820	\$ 1,040,249	\$ 52,012	\$ 156,912	\$ 3,334,760	\$ 1,982,958	\$ 3,241,837	\$ 8,559,555
	59	\$ 115,057	\$ 955,259	\$ 47,763	\$ 148,849	\$ 3,211,153	\$ 2,011,276	\$ 3,075,243	\$ 8,297,672
	58	\$ 107,935	\$ 877,056	\$ 43,853	\$ 141,174	\$ 3,089,446	\$ 2,042,855	\$ 2,916,690	\$ 8,048,991
	57	\$ 101,408	\$ 805,095	\$ 40,255	\$ 133,869	\$ 2,969,829	\$ 2,078,073	\$ 2,765,758	\$ 7,813,660
	56	\$ 95,430	\$ 738,871	\$ 36,944	\$ 126,913	\$ 2,852,457	\$ 2,117,347	\$ 2,622,047	\$ 7,591,852
	55	\$ 89,963	\$ 677,924	\$ 33,896	\$ 120,288	\$ 2,737,453	\$ 2,161,146	\$ 2,485,174	\$ 7,383,773

Fund for a Grandchild

Baseline Annual Return: 10%

Strategy Inputs

Start Age	0
Start Amt	\$ 10,000
Rate of Return	10.00%
Begin Roth Contrib	21
Roth Contrib	\$ 8,000
Inflate Roth? (Y/N)	n
Roth Catch-Up	\$ -
End Roth Contrib	64
Retire Age	65
Withdrawal Rate	-5%
End Age	95

Rate Inputs

Inflation Rate	3.0%
CG Tax Rate	15.0%
Dividend Rate	2.0%
Ord Div Tax Rate	24.0%

Summary of Results

	Nominal \$	* Real \$
Retire Balance-Tax	\$ -	\$ -
Retire Balance-Roth	\$ 3,787,425	\$ 554,529
First Ret. Dist.	\$ 189,371	\$ 27,726
Last Ret. Dist.	\$ 678,713	\$ 42,168
Total Retire Distrib.	\$ 11,552,985	\$ 1,033,850
End Balance-Tax	\$ -	\$ -
End Balance-Roth	\$ 14,185,112	\$ 855,651
Total Benefit	\$ 25,738,097	\$ 1,889,500

(* Note: 3% inflation is assumed to calculate Real \$.)

Fund for a Grandchild

Baseline Annual Return: 10%

Funding Decision Sensitivities

Effect of Annual Return (Real \$)

	Annual Return, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	12.0%	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	11.5%	\$ -	\$ 1,319,967	\$ 65,998	\$ 148,665	\$ 3,059,668	\$ -	\$ 3,057,740	\$ 6,117,408
	11.0%	\$ -	\$ 992,039	\$ 49,602	\$ 98,078	\$ 2,136,037	\$ -	\$ 2,008,212	\$ 4,144,248
	10.5%	\$ -	\$ 742,360	\$ 37,118	\$ 64,387	\$ 1,486,497	\$ -	\$ 1,312,424	\$ 2,798,921
	10.0%	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	9.5%	\$ -	\$ 412,715	\$ 20,636	\$ 27,500	\$ 717,286	\$ -	\$ 555,476	\$ 1,272,762
	9.0%	\$ -	\$ 306,836	\$ 15,342	\$ 17,904	\$ 497,732	\$ -	\$ 359,992	\$ 857,724
	8.5%	\$ -	\$ 227,726	\$ 11,386	\$ 11,629	\$ 345,220	\$ -	\$ 232,754	\$ 577,974
	8.0%	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	7.5%	\$ -	\$ 124,828	\$ 6,241	\$ 4,873	\$ 165,906	\$ -	\$ 96,640	\$ 262,547
	7.0%	\$ -	\$ 92,191	\$ 4,610	\$ 3,144	\$ 114,954	\$ -	\$ 62,057	\$ 177,012

Effect of Contribution Amount (Real \$)

	Initial Contribution Amount, \$	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	\$ 10,000	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	\$ 9,000	\$ -	\$ 500,001	\$ 25,000	\$ 38,022	\$ 932,189	\$ -	\$ 771,512	\$ 1,703,701
	\$ 8,000	\$ -	\$ 445,526	\$ 22,276	\$ 33,879	\$ 830,626	\$ -	\$ 687,456	\$ 1,518,082
	\$ 7,000	\$ -	\$ 390,709	\$ 19,535	\$ 29,711	\$ 728,429	\$ -	\$ 602,873	\$ 1,331,302
	\$ 6,000	\$ -	\$ 335,604	\$ 16,780	\$ 25,521	\$ 625,692	\$ -	\$ 517,845	\$ 1,143,537
	\$ 5,000	\$ -	\$ 280,227	\$ 14,011	\$ 21,309	\$ 522,448	\$ -	\$ 432,396	\$ 954,844
	\$ 4,000	\$ -	\$ 224,597	\$ 11,230	\$ 17,079	\$ 418,732	\$ -	\$ 346,557	\$ 765,289
	\$ 3,000	\$ -	\$ 168,734	\$ 8,437	\$ 12,831	\$ 314,583	\$ -	\$ 260,360	\$ 574,942
	\$ 2,000	\$ -	\$ 112,662	\$ 5,633	\$ 8,567	\$ 210,044	\$ -	\$ 173,840	\$ 383,884
	\$ 1,000	\$ -	\$ 56,408	\$ 2,820	\$ 4,289	\$ 105,165	\$ -	\$ 87,039	\$ 192,204
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Effect of Distribution Percentage (Real \$)

	Distribution Percentage, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	-8.0%	\$ -	\$ 554,529	\$ 44,362	\$ 26,605	\$ 1,042,697	\$ -	\$ 326,756	\$ 1,369,453
	-7.5%	\$ -	\$ 554,529	\$ 41,590	\$ 29,188	\$ 1,051,088	\$ -	\$ 384,450	\$ 1,435,538
	-7.0%	\$ -	\$ 554,529	\$ 38,817	\$ 31,852	\$ 1,056,713	\$ -	\$ 451,936	\$ 1,508,648
	-6.5%	\$ -	\$ 554,529	\$ 36,044	\$ 34,553	\$ 1,058,805	\$ -	\$ 530,807	\$ 1,589,612
	-6.0%	\$ -	\$ 554,529	\$ 33,272	\$ 37,230	\$ 1,056,451	\$ -	\$ 622,908	\$ 1,679,359
	-5.5%	\$ -	\$ 554,529	\$ 30,499	\$ 39,803	\$ 1,048,562	\$ -	\$ 730,369	\$ 1,778,931
	-5.0%	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	-4.5%	\$ -	\$ 554,529	\$ 24,954	\$ 44,192	\$ 1,010,791	\$ -	\$ 1,001,589	\$ 2,012,379
	-4.0%	\$ -	\$ 554,529	\$ 22,181	\$ 45,704	\$ 977,589	\$ -	\$ 1,171,454	\$ 2,149,043
	-3.5%	\$ -	\$ 554,529	\$ 19,409	\$ 46,494	\$ 932,132	\$ -	\$ 1,369,013	\$ 2,301,145
	-3.0%	\$ -	\$ 554,529	\$ 16,636	\$ 46,295	\$ 871,942	\$ -	\$ 1,598,602	\$ 2,470,543

Fund for a Grandchild

Baseline Annual Return: 10%

Timing Decision Sensitivities

Effect of Contribution Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Initial Contribution Age	0	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	1	\$ -	\$ 522,305	\$ 26,115	\$ 39,718	\$ 973,771	\$ -	\$ 805,927	\$ 1,779,698
	2	\$ -	\$ 492,182	\$ 24,609	\$ 37,427	\$ 917,610	\$ -	\$ 759,447	\$ 1,677,057
	3	\$ -	\$ 463,665	\$ 23,183	\$ 35,259	\$ 864,445	\$ -	\$ 715,445	\$ 1,579,890
	4	\$ -	\$ 436,696	\$ 21,835	\$ 33,208	\$ 814,164	\$ -	\$ 673,831	\$ 1,487,995
	5	\$ -	\$ 411,224	\$ 20,561	\$ 31,271	\$ 766,676	\$ -	\$ 634,528	\$ 1,401,204
	6	\$ -	\$ 387,208	\$ 19,360	\$ 29,445	\$ 721,900	\$ -	\$ 597,470	\$ 1,319,370
	7	\$ -	\$ 364,489	\$ 18,224	\$ 27,717	\$ 679,543	\$ -	\$ 562,414	\$ 1,241,957
	8	\$ -	\$ 343,129	\$ 17,156	\$ 26,093	\$ 639,720	\$ -	\$ 529,455	\$ 1,169,175
	9	\$ -	\$ 322,919	\$ 16,146	\$ 24,556	\$ 602,041	\$ -	\$ 498,271	\$ 1,100,312
	10	\$ -	\$ 303,917	\$ 15,196	\$ 23,111	\$ 566,616	\$ -	\$ 468,951	\$ 1,035,566

Effect of Roth Start Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Roth Start Age	25	\$ -	\$ 535,783	\$ 26,789	\$ 40,743	\$ 998,900	\$ -	\$ 826,725	\$ 1,825,625
	24	\$ -	\$ 541,231	\$ 27,062	\$ 41,157	\$ 1,009,058	\$ -	\$ 835,132	\$ 1,844,189
	23	\$ -	\$ 545,917	\$ 27,296	\$ 41,514	\$ 1,017,794	\$ -	\$ 842,362	\$ 1,860,156
	22	\$ -	\$ 551,331	\$ 27,567	\$ 41,925	\$ 1,027,886	\$ -	\$ 850,715	\$ 1,878,601
	21	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	20	\$ -	\$ 557,801	\$ 27,890	\$ 42,417	\$ 1,039,950	\$ -	\$ 860,699	\$ 1,900,649
	19	\$ -	\$ 561,353	\$ 28,068	\$ 42,687	\$ 1,046,572	\$ -	\$ 866,180	\$ 1,912,753
	18	\$ -	\$ 564,769	\$ 28,238	\$ 42,947	\$ 1,052,940	\$ -	\$ 871,450	\$ 1,924,391
	17	\$ -	\$ 568,069	\$ 28,403	\$ 43,198	\$ 1,059,092	\$ -	\$ 876,542	\$ 1,935,635
	16	\$ -	\$ 571,289	\$ 28,564	\$ 43,443	\$ 1,065,097	\$ -	\$ 881,512	\$ 1,946,609
	15	\$ -	\$ 574,483	\$ 28,724	\$ 43,686	\$ 1,071,051	\$ -	\$ 886,439	\$ 1,957,490

Effect of Retirement Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Retirement Age	65	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	64	\$ -	\$ 519,241	\$ 25,962	\$ 40,060	\$ 1,008,119	\$ -	\$ 812,868	\$ 1,820,987
	63	\$ -	\$ 486,198	\$ 24,310	\$ 38,057	\$ 982,023	\$ -	\$ 772,225	\$ 1,754,248
	62	\$ -	\$ 455,259	\$ 22,763	\$ 36,154	\$ 955,685	\$ -	\$ 733,613	\$ 1,689,298
	61	\$ -	\$ 426,288	\$ 21,314	\$ 34,346	\$ 929,215	\$ -	\$ 696,933	\$ 1,626,148
	60	\$ -	\$ 399,160	\$ 19,958	\$ 32,629	\$ 902,712	\$ -	\$ 662,086	\$ 1,564,798
	59	\$ -	\$ 373,759	\$ 18,688	\$ 30,998	\$ 876,265	\$ -	\$ 628,982	\$ 1,505,246
	58	\$ -	\$ 349,974	\$ 17,499	\$ 29,448	\$ 849,950	\$ -	\$ 597,533	\$ 1,447,483
	57	\$ -	\$ 327,703	\$ 16,385	\$ 27,975	\$ 823,838	\$ -	\$ 567,656	\$ 1,391,494
	56	\$ -	\$ 306,849	\$ 15,342	\$ 26,577	\$ 797,988	\$ -	\$ 539,273	\$ 1,337,262
	55	\$ -	\$ 287,323	\$ 14,366	\$ 25,248	\$ 772,455	\$ -	\$ 512,310	\$ 1,284,765

Fund for a Grandchild

Baseline Annual Return: 8%

Strategy Inputs

Start Age	0
Start Amt	\$ 10,000
Rate of Return	8.00%
Begin Roth Contrib	21
Roth Contrib	\$ 8,000
Inflate Roth? (Y/N)	n
Roth Catch-Up	\$ -
End Roth Contrib	64
Retire Age	65
Withdrawal Rate	-5%
End Age	95

Rate Inputs

Inflation Rate	3.0%
CG Tax Rate	15.0%
Dividend Rate	2.0%
Ord Div Tax Rate	24.0%

Summary of Results

	Nominal \$	* Real \$
Retire Balance-Tax	\$ -	\$ -
Retire Balance-Roth	\$ 1,152,475	\$ 168,738
First Ret. Dist.	\$ 57,624	\$ 8,437
Last Ret. Dist.	\$ 121,304	\$ 7,537
Total Retire Distrib.	\$ 2,570,543	\$ 239,357
End Balance-Tax	\$ -	\$ -
End Balance-Roth	\$ 2,489,157	\$ 150,147
Total Benefit	\$ 5,059,700	\$ 389,504

(* Note: 3% inflation is assumed to calculate Real \$.)

Fund for a Grandchild

Baseline Annual Return: 8%

Funding Decision Sensitivities

Effect of Annual Return (Real \$)

	Annual Return, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	12.0%	\$ 173,226	\$ 1,589,732	\$ 79,487	\$ 203,855	\$ 3,971,489	\$ 1,879,655	\$ 4,211,686	\$ 10,062,830
	11.5%	\$ -	\$ 1,319,967	\$ 65,998	\$ 148,665	\$ 3,059,668	\$ -	\$ 3,057,740	\$ 6,117,408
	11.0%	\$ -	\$ 992,039	\$ 49,602	\$ 98,078	\$ 2,136,037	\$ -	\$ 2,008,212	\$ 4,144,248
	10.5%	\$ -	\$ 742,360	\$ 37,118	\$ 64,387	\$ 1,486,497	\$ -	\$ 1,312,424	\$ 2,798,921
	10.0%	\$ -	\$ 554,529	\$ 27,726	\$ 42,168	\$ 1,033,850	\$ -	\$ 855,651	\$ 1,889,500
	9.5%	\$ -	\$ 412,715	\$ 20,636	\$ 27,500	\$ 717,286	\$ -	\$ 555,476	\$ 1,272,762
	9.0%	\$ -	\$ 306,836	\$ 15,342	\$ 17,904	\$ 497,732	\$ -	\$ 359,992	\$ 857,724
	8.5%	\$ -	\$ 227,726	\$ 11,386	\$ 11,629	\$ 345,220	\$ -	\$ 232,754	\$ 577,974
	8.0%	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	7.5%	\$ -	\$ 124,828	\$ 6,241	\$ 4,873	\$ 165,906	\$ -	\$ 96,640	\$ 262,547
	7.0%	\$ -	\$ 92,191	\$ 4,610	\$ 3,144	\$ 114,954	\$ -	\$ 62,057	\$ 177,012

Effect of Contribution Amount (Real \$)

	Initial Contribution Amount, \$	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	\$ 10,000	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	\$ 9,000	\$ -	\$ 152,072	\$ 7,604	\$ 6,792	\$ 215,716	\$ -	\$ 135,317	\$ 351,034
	\$ 8,000	\$ -	\$ 135,344	\$ 6,767	\$ 6,045	\$ 191,988	\$ -	\$ 120,432	\$ 312,420
	\$ 7,000	\$ -	\$ 118,580	\$ 5,929	\$ 5,296	\$ 168,208	\$ -	\$ 105,516	\$ 273,724
	\$ 6,000	\$ -	\$ 101,765	\$ 5,088	\$ 4,545	\$ 144,356	\$ -	\$ 90,553	\$ 234,909
	\$ 5,000	\$ -	\$ 84,900	\$ 4,245	\$ 3,792	\$ 120,432	\$ -	\$ 75,546	\$ 195,977
	\$ 4,000	\$ -	\$ 68,010	\$ 3,400	\$ 3,038	\$ 96,473	\$ -	\$ 60,517	\$ 156,989
	\$ 3,000	\$ -	\$ 51,050	\$ 2,553	\$ 2,280	\$ 72,415	\$ -	\$ 45,426	\$ 117,841
	\$ 2,000	\$ -	\$ 34,619	\$ 1,731	\$ 1,546	\$ 49,108	\$ -	\$ 30,805	\$ 79,913
	\$ 1,000	\$ -	\$ 17,041	\$ 852	\$ 761	\$ 24,173	\$ -	\$ 15,164	\$ 39,337
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Effect of Distribution Percentage (Real \$)

	Distribution Percentage, %	Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
	-8.0%	\$ -	\$ 168,738	\$ 13,499	\$ 4,755	\$ 252,179	\$ -	\$ 57,338	\$ 309,517
	-7.5%	\$ -	\$ 168,738	\$ 12,655	\$ 5,217	\$ 252,372	\$ -	\$ 67,462	\$ 319,834
	-7.0%	\$ -	\$ 168,738	\$ 11,812	\$ 5,693	\$ 251,881	\$ -	\$ 79,304	\$ 331,185
	-6.5%	\$ -	\$ 168,738	\$ 10,968	\$ 6,175	\$ 250,543	\$ -	\$ 93,144	\$ 343,688
	-6.0%	\$ -	\$ 168,738	\$ 10,124	\$ 6,654	\$ 248,168	\$ -	\$ 109,306	\$ 357,474
	-5.5%	\$ -	\$ 168,738	\$ 9,281	\$ 7,114	\$ 244,528	\$ -	\$ 128,163	\$ 372,691
	-5.0%	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	-4.5%	\$ -	\$ 168,738	\$ 7,593	\$ 7,898	\$ 232,343	\$ -	\$ 175,756	\$ 408,098
	-4.0%	\$ -	\$ 168,738	\$ 6,750	\$ 8,169	\$ 223,118	\$ -	\$ 205,563	\$ 428,681
	-3.5%	\$ -	\$ 168,738	\$ 5,906	\$ 8,310	\$ 211,254	\$ -	\$ 240,230	\$ 451,484
	-3.0%	\$ -	\$ 168,738	\$ 5,062	\$ 8,274	\$ 196,250	\$ -	\$ 280,517	\$ 476,767

Fund for a Grandchild

Baseline Annual Return: 8%

Timing Decision Sensitivities

Effect of Contribution Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Initial Contribution Age	0	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	1	\$ -	\$ 161,794	\$ 8,090	\$ 7,226	\$ 229,507	\$ -	\$ 143,968	\$ 373,475
	2	\$ -	\$ 158,373	\$ 7,919	\$ 7,074	\$ 224,655	\$ -	\$ 140,924	\$ 365,579
	3	\$ -	\$ 148,719	\$ 7,436	\$ 6,642	\$ 210,961	\$ -	\$ 132,334	\$ 343,295
	4	\$ -	\$ 142,579	\$ 7,129	\$ 6,368	\$ 202,251	\$ -	\$ 126,870	\$ 329,122
	5	\$ -	\$ 136,670	\$ 6,834	\$ 6,104	\$ 193,869	\$ -	\$ 121,612	\$ 315,481
	6	\$ -	\$ 130,998	\$ 6,550	\$ 5,851	\$ 185,823	\$ -	\$ 116,565	\$ 302,388
	7	\$ -	\$ 125,566	\$ 6,278	\$ 5,608	\$ 178,118	\$ -	\$ 111,732	\$ 289,850
	8	\$ -	\$ 122,058	\$ 6,103	\$ 5,452	\$ 173,142	\$ -	\$ 108,611	\$ 281,753
	9	\$ -	\$ 115,339	\$ 5,767	\$ 5,152	\$ 163,610	\$ -	\$ 102,631	\$ 266,242
	10	\$ -	\$ 110,532	\$ 5,527	\$ 4,937	\$ 156,792	\$ -	\$ 98,354	\$ 255,147

Effect of Roth Start Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Roth Start Age	25	\$ -	\$ 164,945	\$ 8,247	\$ 7,367	\$ 233,977	\$ -	\$ 146,772	\$ 380,748
	24	\$ -	\$ 165,917	\$ 8,296	\$ 7,411	\$ 235,357	\$ -	\$ 147,637	\$ 382,994
	23	\$ -	\$ 166,889	\$ 8,344	\$ 7,454	\$ 236,734	\$ -	\$ 148,502	\$ 385,236
	22	\$ -	\$ 167,808	\$ 8,390	\$ 7,495	\$ 238,039	\$ -	\$ 149,320	\$ 387,358
	21	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	20	\$ -	\$ 169,648	\$ 8,482	\$ 7,577	\$ 240,649	\$ -	\$ 150,957	\$ 391,605
	19	\$ -	\$ 174,122	\$ 8,706	\$ 7,777	\$ 246,996	\$ -	\$ 154,938	\$ 401,934
	18	\$ -	\$ 171,446	\$ 8,572	\$ 7,658	\$ 243,199	\$ -	\$ 152,557	\$ 395,755
	17	\$ -	\$ 172,347	\$ 8,617	\$ 7,698	\$ 244,477	\$ -	\$ 153,358	\$ 397,835
	16	\$ -	\$ 173,223	\$ 8,661	\$ 7,737	\$ 245,720	\$ -	\$ 154,138	\$ 399,858
	15	\$ -	\$ 174,094	\$ 8,705	\$ 7,776	\$ 246,955	\$ -	\$ 154,913	\$ 401,868

Effect of Retirement Age (Real \$)

		Balances @ Retirement		Retirement Distributions			Balances @ End of Plan		Total Benefit
		Taxable	Roth	First	Last	Total	Taxable	Roth	
Retirement Age	65	\$ -	\$ 168,738	\$ 8,437	\$ 7,537	\$ 239,357	\$ -	\$ 150,147	\$ 389,504
	64	\$ -	\$ 160,926	\$ 8,046	\$ 7,160	\$ 235,436	\$ -	\$ 142,639	\$ 378,075
	63	\$ -	\$ 153,475	\$ 7,674	\$ 6,802	\$ 231,338	\$ -	\$ 135,507	\$ 366,845
	62	\$ -	\$ 146,370	\$ 7,319	\$ 6,462	\$ 227,089	\$ -	\$ 128,732	\$ 355,821
	61	\$ -	\$ 139,594	\$ 6,980	\$ 6,139	\$ 222,714	\$ -	\$ 122,295	\$ 345,010
	60	\$ -	\$ 133,131	\$ 6,657	\$ 5,832	\$ 218,235	\$ -	\$ 116,181	\$ 334,416
	59	\$ -	\$ 126,968	\$ 6,348	\$ 5,540	\$ 213,672	\$ -	\$ 110,372	\$ 324,044
	58	\$ -	\$ 121,089	\$ 6,054	\$ 5,263	\$ 209,043	\$ -	\$ 104,853	\$ 313,896
	57	\$ -	\$ 115,483	\$ 5,774	\$ 5,000	\$ 204,365	\$ -	\$ 99,610	\$ 303,975
	56	\$ -	\$ 110,137	\$ 5,507	\$ 4,750	\$ 199,653	\$ -	\$ 94,630	\$ 294,283
	55	\$ -	\$ 105,038	\$ 5,252	\$ 4,512	\$ 194,923	\$ -	\$ 89,898	\$ 284,821