



**Oakwood  
Capital**

**Retirement Plan for:  
John Doe Demo Base and Jane Doe Demo Base**



**Thursday, September 24, 2020**

Prepared by:

Doug Carey

CFA

Atlas Capital Management

## Disclosure Information

**IMPORTANT:** Projections and other information regarding the likelihood of various investment outcomes generated by WealthTrace are hypothetical, do not reflect actual investment results, are based on simulations, and do not guarantee future results. The illustrations provided here are for planning purposes only. Investment values will change over time, losses are possible, and actual results may vary.

Based on accepted statistical methods, WealthTrace uses a simulation model to measure the probability of achieving the goals entered by the user and applied in this analysis as well as the possible impact of variations to those goals.

WealthTrace does not provide recommendations for any products or securities.

This report is a snapshot and does not constitute legal, tax, or accounting advice. The report provides a snapshot in time of your financial situation and should be updated at least annually to provide more accurate information.

Because the results are calculated over many years, small changes can create large differences in future results. You should use the results presented in the software and in the report to help you focus on the factors that are most important to you. This report does not provide legal, tax, or accounting advice. Before making decisions with legal, tax, or accounting ramifications, you should consult appropriate professionals for advice that is specific to your situation.

The information generated by WealthTrace regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results, and are not guarantees of future results. The actual returns of a specific investment product may be more or less than the returns used in WealthTrace.

Past performance is not a guarantee or a predictor of future results of any particular investment. Financial forecasts, rates of return, risk, inflation, and other assumptions may be used as the basis for illustrations. They should not be considered a guarantee of future performance or a guarantee of achieving overall financial objectives.

WealthTrace results may vary depending on the user, client, and when the plan is run.

WealthTrace is a retirement planning and financial planning tool which has the following limitations and user assumptions:

**Taxes:** All tax information shown here is presented for illustrative purposes and does not constitute tax or legal advice. Taxes estimated by the program are estimates based on current tax laws. Withdrawals from tax-deferred accounts may be subject to penalties and taxes. This report assumes that any requirements for tax-deferred investing are met. You should consult your accountant or tax advisor for specific tax issues and questions.

**Required Minimum Distributions:** Any required minimum distributions shown in this report are estimates based on current laws. Your actual Required Minimum Distributions may be higher or lower.

**Social Security:** Any social security payments generated by the program are estimates based on the Social Security Administration (SSA) benefits algorithm as currently outlined by SSA rules and regulations. It is highly recommended that users obtain a more accurate estimate from the SSA, which will be based on the users' actual historical income levels.

**Annuities And Insurance Products:** WealthTrace does not model any specific products such as annuities and other insurance products. Any products that are used for illustration are just estimates based on the information entered by the user. Annuities and insurance products may have several penalties, surrender charges, and other fees that are not taken into account in the WealthTrace software.

**Monte Carlo:** Monte Carlo simulations are used to show how changes in rates of return each year can affect your results. A Monte Carlo simulation generates the results of your plan by running it 1,000 times, each time using a random sequence of returns that investors may encounter in their lifetime. These simulated returns are based on the historical standard deviations and correlations of the asset classes being analyzed. Some sequences of returns will give you better results, and some will give you worse results. The various trials that are run will show you that some of the trials will result in you meeting all of your goals and some will result in not meeting all of your goals.

The results using Monte Carlo simulations indicate the likelihood that an event may occur as well as the likelihood that it may not occur. In analyzing this information, please note that the analysis does not take into account up to the minute conditions in the market, which may severely affect the outcome of your goals over the long term.

**Historical Data For Monte Carlo Analysis:** We have used monthly historical rates of return over the past ten years to determine standard deviations and correlations for each asset class. The data was derived from Federal Reserve Historical Data and Yahoo Finance. This data does not include dividend reinvestment nor does it include any advisor fees. It does include any fund expenses. The assets used for historical data are as follows:

Cash: One month Certificate of Deposit (CD) rates using Federal Reserve interest rate data.  
Short-Term Bonds: iShares Barclays 1-3 Year Treasury Bond Exchange Traded Fund (ETF)  
Medium-Term Bonds: iShares Barclays 7-10 Year Treasury Bond ETF  
Long-Term Bonds: iShares Barclays 20+ Year Treasury Bond ETF  
Value Stocks: iShares Russell 1000 Value Index ETF  
Growth Stocks: iShares Russell 1000 Growth Index ETF  
International Developed Stocks: SPDR S&P Developed World ex-US Index ETF  
Emerging Market Stocks: iShares Emerging Markets Index ETF

The historical data used has been provided by sources believed to be reliable, but not independently verified by WealthTrace.

**Information You Have Provided:** Information that you provided about your assets, investments, financial goals, and personal situation are key assumptions used in the calculations and projections in this

## Disclosure Information

report. Please review the report to verify that the assumptions used are accurate. Even small changes in assumptions can have a large impact on the results shown in this report.

The information provided by you should be reviewed periodically (at least annually) and updated when either the information or your circumstances change.

All investment, asset, and liability information included in this report was provided by you or your designated agents and is not a substitute for the information contained in the official account statements provided to you by custodians. The current asset values contained in those account statements should be used to update the asset information in the WealthTrace software, as necessary.

**Limitations Of The Software And Report:** All results in this report are hypothetical in nature and do not guarantee future results. The software uses simplifying assumptions that do not completely reflect your specific circumstances. No software application has the ability to accurately predict future investment returns and anything affecting one's financial plan. The estimated expenses, fees, income taxes, and other cash flow assumptions used in this report may vary greatly from the actual costs that will be incurred. Investment returns, inflation, lifespan, and other economic and political conditions may vary from the assumptions used in WealthTrace, which means your actual results will vary, potentially by a wide margin, from those presented here.



## Personal Information

---

	John	Jane
Current Age	60	60
Retirement Age	66	65
Current Gross Income	\$70,000	\$70,000
Tax Deductions Before Retirement	\$20,000	\$0
Tax Deductions During Retirement	\$20,000	\$0
Annual Raise	3.0 %	3.0 %
End Age	95	95

### Definitions:

**Current Age:** Age as of the analysis date.

**Retirement Age:** Assumed age when each person will retire.

**Current Gross Income:** Current annual salary/bonus income.

**Tax Deductions :** The amount that you can deduct from Gross Income for tax purpose , not including deduction for qualified accounts such as IRAs and 401(k)s.

**Annual Raise:** Assumed annual raise in salary income as entered by the user.

**End Age:** Assumed age, entered by the user, when each person will pass away.



## Estimated Social Security Benefits

Social Security	John	Jane
Amount Of First Payment	\$27,000	\$15,000
Age Of First Payment	65	65
Cost Of Living Adjustment	2.5 %	2.5 %
Lifetime Benefits (Today's \$)	\$745,850	\$459,836

### Definitions:

**Amount Of First Payment:** The sum of social security payments for the first year when the first payment occurs.

**Changed Payment:** This is applicable only if the user has a changed social security payment in the future due to utilizing a strategy such as "restricted application". If applicable, this is the future annual payment amount.

**Age of First Payment:** Age when the first payment is received.

**Age of Changed Payment:** This is applicable only if the user has a changed social security payment in the future due to utilizing a strategy such as "restricted application". If applicable, this is the age of this person when the payment changes.

**Cost Of Living Adjustment (COLA):** The assumed annual increase in the COLA index. This number is used to determine future social security payments.

**Lifetime Benefits (Today's \$):** The cumulative amount of social security benefits from today's date through the end of the plan. This figure has been adjusted by the inflation rate in order to present it in today's dollar terms.

\*Note that social security benefits, including estimates of lifetime benefits and the COLA index, are based on current rules, regulations and policies of the Social Security Administration and are subject to change. Also, if there is a spouse/partner and this person's social security is larger than the spouse/partner's, then the spouse/partner will automatically receive the other partner's social security payments at this person's End Age. Pension payments will also be transferred and living expenses reduced (based on settings) when one partner's plan ends before the other.



## Pension Benefits

---

### John's Pensions

Annual Payment	\$10,000
Age Of First Payment	65
Growth Rate Of Pension	0.0 %
% Of Pension That Survives	100 %

### Definitions:

**Annual Payment:** The amount of the first payment when the first payment occurs.

**Age of First Payment:** Age when the first payment is received.

**Growth Rate of Pension:** The annual growth rate of pension payments, if applicable.

**% of Pension That Survives:** The % of the annual pension payments that will go to the spouse/partner if the other spouse/partner passes away first.



## Current Investment Assets

### Taxable/Tax-Advantaged Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Contribution</u>	<u>Contribution End Age</u>	<u>Account Type</u>	<u>Cost Basis</u>
Bank Account	John	Multiple Asset Classes	\$250,000	\$10,000	At Retirement	Taxable	\$15,000
Equity Fund	John	Model	\$50,000	\$10,000	At Retirement	Taxable	\$50,000
Bond Fund	John	Multiple Asset Classes	\$150,000	\$8,000	At Retirement	Taxable	\$150,000
Bank Account	Jane	Cash	\$10,000	0 %	At Retirement	Taxable	\$0
529 Plan	John	Growth Stocks	\$25,000	0 %	At Retirement	529 Plan	\$25,000

### Qualified Tax-Deferred Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Contribution</u>	<u>Contribution End Age</u>	<u>Account Type</u>	<u>Company Match</u>	<u>Maximum Match</u>
IRA1	John	Multiple Asset Classes	\$100,000	\$8,000	At Retirement		0 %	0 %
Annuity	John	Value Stocks	\$50,000	\$0	At Retirement		0 %	0 %
IRA	Jane	Growth Stocks	\$25,000	\$0	At Retirement		0 %	0 %

### Non-Qualified Tax-Deferred Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Contribution</u>	<u>Contribution End Age</u>	<u>Cost Basis</u>
Annuity	John	Growth Stocks	\$50,000	0 %	At Retirement	\$50,000



## Investment Fees

### Taxable/Tax-Advantaged Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Fee</u>
Bank Account	John	Multiple Asset Classes	\$250,000	0%
Equity Fund	John	Model=Test1	\$50,000	0%
Bond Fund	John	Multiple Asset Classes	\$150,000	0%
Bank Account	Jane	Cash	\$10,000	0%
529 Plan	John	Growth Stocks	\$25,000	0%
<b>Total</b>			<b>\$485,000</b>	

### Qualified Tax-Deferred Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Fee</u>
IRA1	John	Multiple Asset Classes	\$100,000	0%
Annuity	John	Value Stocks	\$50,000	0%
IRA	Jane	Growth Stocks	\$25,000	0%
<b>Total</b>			<b>\$175,000</b>	

### Non-Qualified Tax-Deferred Investments:

<u>Name</u>	<u>Owner</u>	<u>Asset Class</u>	<u>Current Balance</u>	<u>Annual Fee</u>
Annuity	John	Growth Stocks	\$50,000	0%
<b>Total</b>			<b>\$50,000</b>	





## Investment Summary By Asset Class

Investment Name	Investment Type	Cash	Short Term Bonds	Medium Term Bonds	Long Term Bonds	Value Stocks	Growth Stocks	International Developed Stocks	Emerging Market Stocks	Total Value
Bank Account	Tax./Tax-Adv.				\$125,000	\$125,000				\$250,000
Equity Fund	Tax./Tax-Adv.					\$20,000	\$20,000	\$5,000	\$5,000	\$50,000
Bond Fund	Tax./Tax-Adv.		\$37,500	\$37,500	\$75,000					\$150,000
529 Plan	Tax./Tax-Adv.						\$25,000			\$25,000
Bank Account	Tax./Tax-Adv.	\$10,000								\$10,000
IRA1	Qualified				\$60,000	\$40,000				\$100,000
Annuity	Qualified					\$50,000				\$50,000
IRA	Qualified						\$25,000			\$25,000
Annuity	Non-Qualified						\$50,000			\$50,000
<b>Total Value</b>		\$10,000	\$37,500	\$37,500	\$260,000	\$235,000	\$120,000	\$5,000	\$5,000	\$710,000

\*This summary shows you every investment owned and which asset class each investment belongs to. The Total Value column displays the current balance of each investment while the Total Value row shows the total amount invested in each asset class.



## Additional Cash Inflows

---

<u>Name</u>	<u>Amount (Today's Dollars)</u>	<u>Start Age</u>	<u>Duration (Years)</u>	<u>Recurrence During Duration Period</u>	<u>Growth Rate</u>	<u>Effective Tax Rate</u>
Sale of Home	\$400,000	65	1	Once	6%	0%
Gift	\$10,000	75	1	Once	Use Inflation Setting	Use Tax Settings
Inheritance	\$50,000	75	1	Once	Use Inflation Setting	Use Tax Settings
Part Time Job	\$30,000	At Retirement	50	Every Year	Use Inflation Setting	Use Tax Settings

### Definitions:

**Amount (Today's Dollars):** The amount of the cash inflow in today's dollars. This amount will be adjusted by the growth rate for future years.

**Start Age:** The age of the primary user when the cash inflow begins.

**Duration (Years):** How long the cash inflow lasts.

**Growth Rate:** The annual growth rate of the cash inflow.



## Goals & Additional Expenses

Name	Amount (Today's Dollars)	Start Age	Duration (Years)	Recurrence During Duration Period	Growth Rate Before Expense Begins	Growth Rate After Expense Begins
Purchase Second Home	\$316,710	60	1	Once	Use Inflation Setting	Use Inflation Setting
Long-Term Care Ins	\$5,000	55	25	Every Year	Use Inflation Setting	Use Inflation Setting
College	\$40,331	60	4	Every Year	5%	5%
New Car	\$22,000	At Retirement	20	Every 4 Years	Use Inflation Setting	Use Inflation Setting
Vacation	\$10,841	65	25	Every Year	Use Inflation Setting	Use Inflation Setting

### Definitions:

**Amount (Today's Dollars):** The amount of the goal/expense in today's dollars. This amount will be adjusted by the growth rate for future years.

**Start Age:** The age of the primary user when the goal/expense begins.

**Duration (Years):** How long the goal/expense lasts.

**Growth Rate Pre:** The growth rate of the expense, as entered by the user, before the expense begins.

**Growth Rate Post:** The growth rate of the expense, as entered by the user, after the expense begins.



## Settings & Assumptions

---

Annual Recurring Retirement Expenses (Today's Dollars)	\$106,128
Annual Inflation	2.5 %
Annual COLA Inflation	2.5 %
Average Federal Tax	Before Retirement: Program Estimate   During Retirement: Program Estimate
Average State Tax	Before Retirement: 4.0 %   During Retirement: 3.0 %
Effective Tax on Capital Gains (Federal+State)	Before Retirement: Program Estimate   During Retirement: Program Estimate
Rebalance Annually	No
Retirement Expenses Begin with Retirement of	John
Reduction In Recurring Expenses In Retirement When Partner's Plan Ends	50 %

### Definitions:

**Annual Recurring Retirement Expenses (Today's Dollars):** Expected annual recurring expenses in retirement, such as grocery bills. This is expressed in today's dollars.

**Annual Inflation:** The assumed annual increase in the Consumer Price Index (CPI). This input is used for determining the increase in the amount of Annual Recurring Expenses In Retirement each year. The annual inflation rate is applied to these expenses each year.

**Annual COLA Inflation:** The assumed annual increase in the COLA index. This number is used to determine future social security payments.

**Average Federal Tax:** If set to Program Estimate, the program will calculate the marginal federal tax rate each year. If a number is inputted, the program will use this as the average federal tax rate.

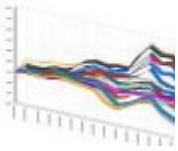
**Average State Tax:** The average state income tax rate.

**Effective Tax on Capital Gains (Federal+State):** If set to Program Estimate, the program will calculate the capital gains tax rate applied to all investment sales. If a number is inputted, the program will use this as the average capital gains tax rate.

**Rebalance Annually:** If set to Yes the program will automatically rebalance investments at the end of every year. Note that the program will only rebalance the categories of Taxable/Tax-Advantaged and Qualified. Non-Qualified investments are not rebalanced each year due to the fact that most non-qualified investments cannot easily be traded in and out of. After rebalancing, the weighting for each investment will be set back to its beginning weighting. If investments are reallocated at a future date, then annual rebalancing weights will be reset to this new allocation.

**Retirement Expenses Begin With Retirement Of:** If there is a spouse/partner in the plan this is the person whose retirement date the Recurring Expenses In Retirement will begin with.

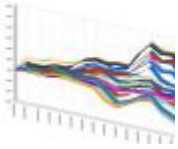
**Reduction In Recurring Expenses When Partner's Plan Ends:** If there is a spouse/partner in the plan this is the percentage decline in Recurring Expenses In Retirement when one spouse/partner passes away before the other.



## Asset Class Mapping Information

Asset Class	Annual Return (%)	% of Return Due to Dividends	% of Return Due to Interest	Map To (For Monte Carlo Standard Deviation And Correlations)
Cash	0.50	0	100	Cash
Short Term Bonds	2.50	0	100	Short Term Bonds
Medium Term Bonds	3.10	0	100	Medium Term Bonds
Long Term Bonds	3.40	0	100	Long Term Bonds
Value Stocks	8.00	25	0	Value Stocks
Growth Stocks	8.50	20	0	Growth Stocks
International Developed Stocks	8.50	20	0	International Developed Stocks
Emerging Market Stocks	9.00	20	0	Emerging Market Stocks
Gold	5.00	0	100	Emerging Market Stocks
Real Estate	4.00	0	100	Growth Stocks
test- & (spxy)	0.00	0	0	Cash
Frontier Mkts	9.00	50	0	Emerging Market Stocks
Mid Cap Growth	8.00	40	0	Growth Stocks
Silver	5.00	0	100	Cash
Local Real Estate	7.00	0	100	Growth Stocks
Frontier Mkt	10.00	40	0	Cash
Frontier Mkts	0.00	0	0	Cash
Dividend Payers- Dividend Portion	8.00	100	0	Cash
Dividend Payers- Growth Portion	8.00	0	0	Value Stocks
test 5%	0.00	0	0	Cash
Alternative Investments	7.00	0	100	Growth Stocks
test	3.00	0	0	Cash
Return of 7%	7.00	50	0	Cash
Return of 6%	6.00	50	0	Cash
Return of 5%	5.00	50	0	Cash
Annuities	7.00	0	100	Value Stocks
Nigerian Bonds	4.50	0	0	Long Term Bonds

### Definitions:



## Asset Class Mapping Information

---

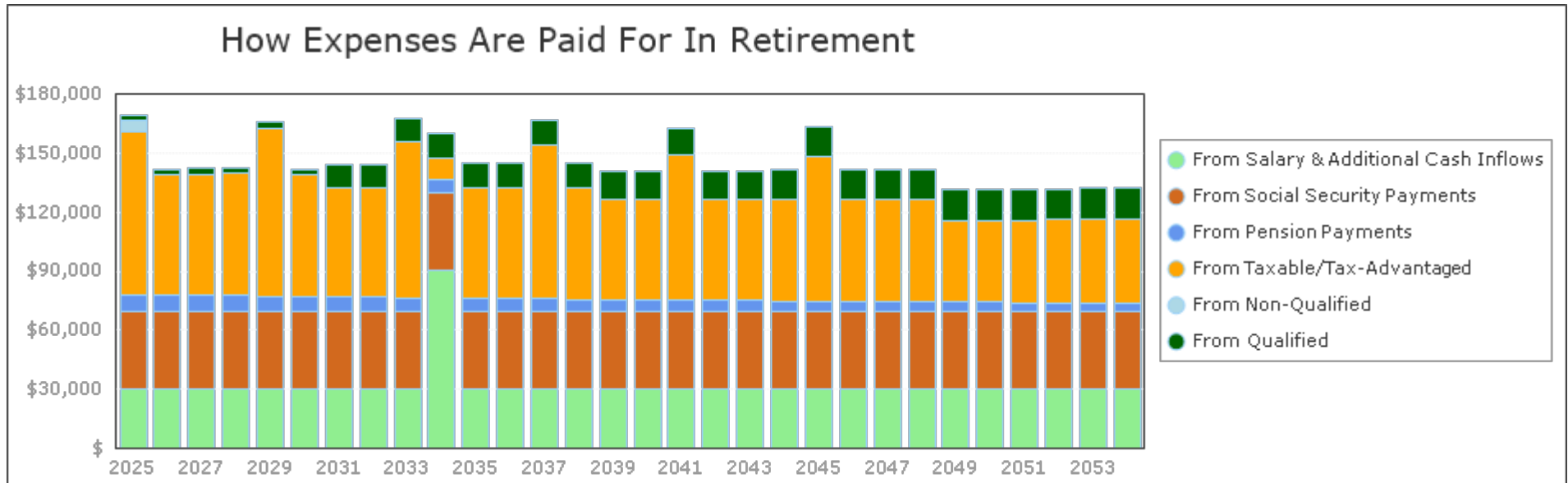
**Asset Class:** The name of each asset class that can be used or mapped to.

**Annual Return (%):** The assumed annual rate of return for each asset class. In Monte Carlo simulations this is the mean (average) annual rate of return of the asset class.

**% Of Return Due To Dividends:** The % of the total return that is assumed to be due to dividend payments for each asset class.

**% Of Return Due To Interest:** The % of the total return that is assumed to be due to interest payments for each asset class. Note that if the % Of Return Due To Dividends and the % Of Return Due To Interest do not add up to 100%, the remainder of the total return is assumed to be due to capital gains.

**Map To (For Monte Carlo Standard Deviation And Correlations):** The asset class that is used for Monte Carlo purposes. The program needs a standard deviation value and correlations for each asset class. For program-defined asset classes, the asset class simply maps to itself for this information. For user-generated asset classes, the program needs to map to an existing asset class for this information.



**Definitions:**

**From Salary/Additional Cash Inflows:** The amount of expenses that was funded by any salary income or items from the Additional Cash Inflows section.

**From Social Security Payments:** The amount of expenses that was funded by social security income.

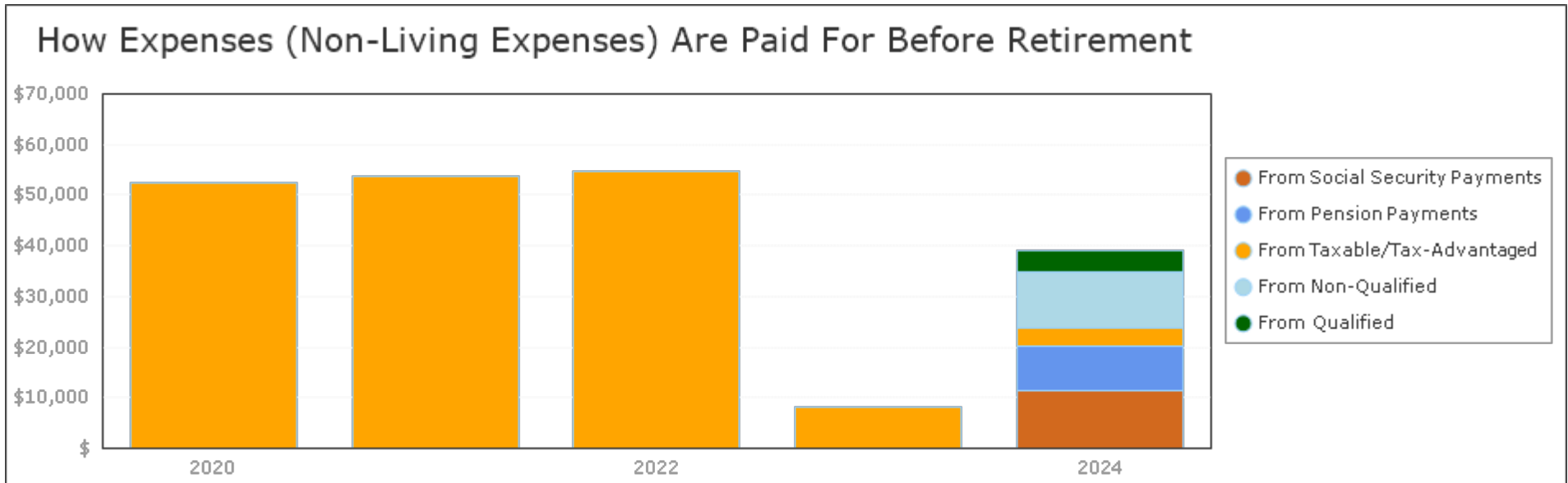
**From Pension Payments:** The amount of expenses that was funded by pension income.

**From Taxable/Tax-Advantaged:** The amount of expenses that was funded by growth in Taxable/Tax-Advantaged investments or principal withdrawals.

**From Non-Qualified:** The amount of expenses that was funded by growth in Non-Qualified Tax-Deferred investments or principal withdrawals.

**From Qualified:** The amount of expenses that was funded by growth in Qualified Tax-Deferred investments or principal withdrawals.

**Shortfall:** The total funding shortfall each year. Once a shortfall appears it means all income and investment principal have been exhausted in that year.



#### Definitions:

**From Salary/Additional Cash Inflows:** The amount of expenses that was funded by any salary income or items from the Additional Cash Inflows section.

**From Social Security Payments:** The amount of expenses that was funded by social security income.

**From Pension Payments:** The amount of expenses that was funded by pension income.

**From Taxable/Tax-Advantaged:** The amount of expenses that was funded by growth in Taxable/Tax-Advantaged investments or principal withdrawals.

**From Non-Qualified:** The amount of expenses that was funded by growth in Non-Qualified Tax-Deferred investments or principal withdrawals.

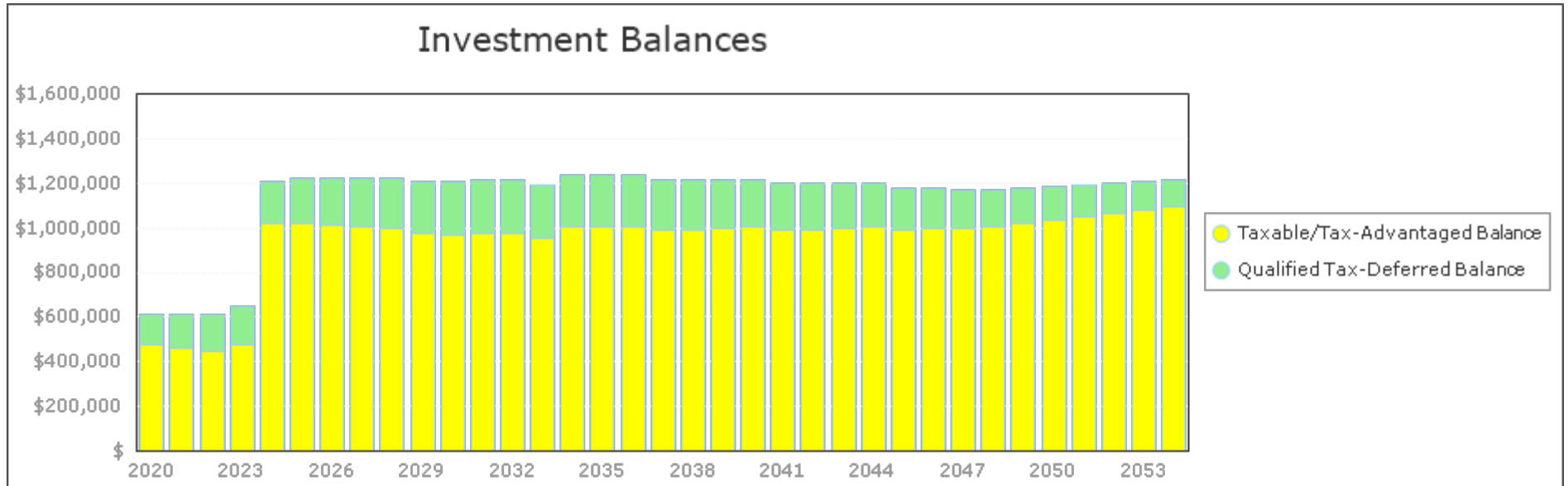
**From Qualified:** The amount of expenses that was funded by growth in Qualified Tax-Deferred investments or principal withdrawals.

**Shortfall:** The total funding shortfall each year. Once a shortfall appears it means all income and investment principal have been exhausted in that year.





## Investment Balances



### Definitions:

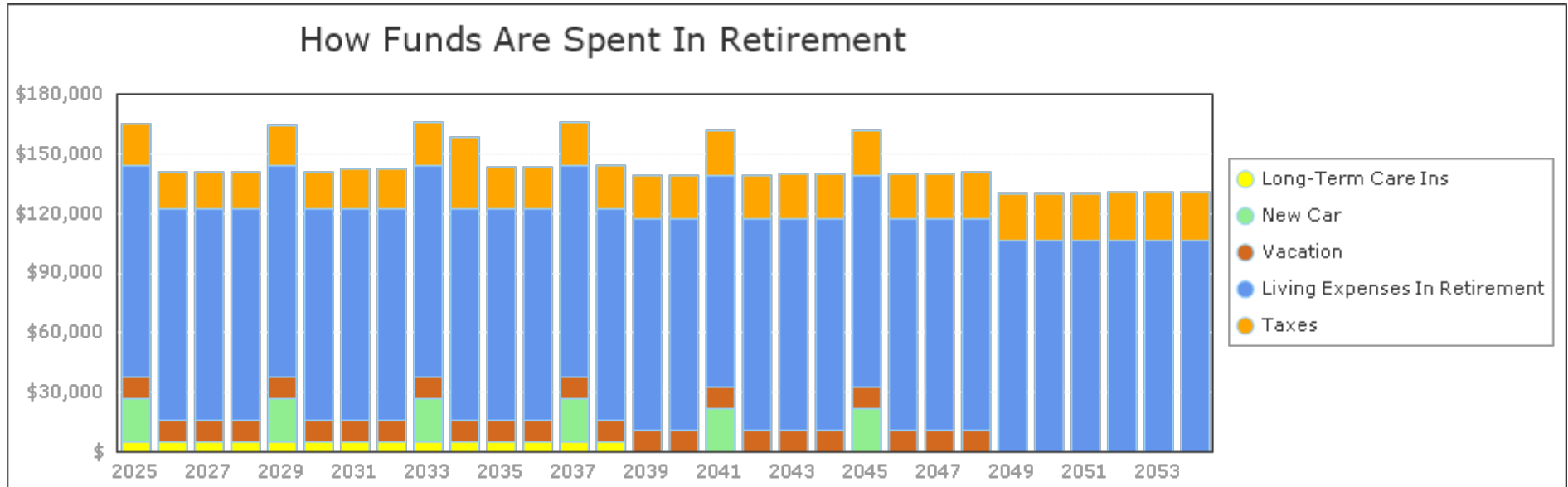
**Taxable/Tax-Advantaged Balance:** The total principal balance of all combined Taxable & Tax-Advantaged Investments.

**Qualified Tax-Deferred Balance:** The total principal balance of all combined Qualified Tax-Deferred Investments.

**Non-Qualified Tax-Deferred Balance:** The total principal balance of all combined Non-Qualified Tax-Deferred Investments.



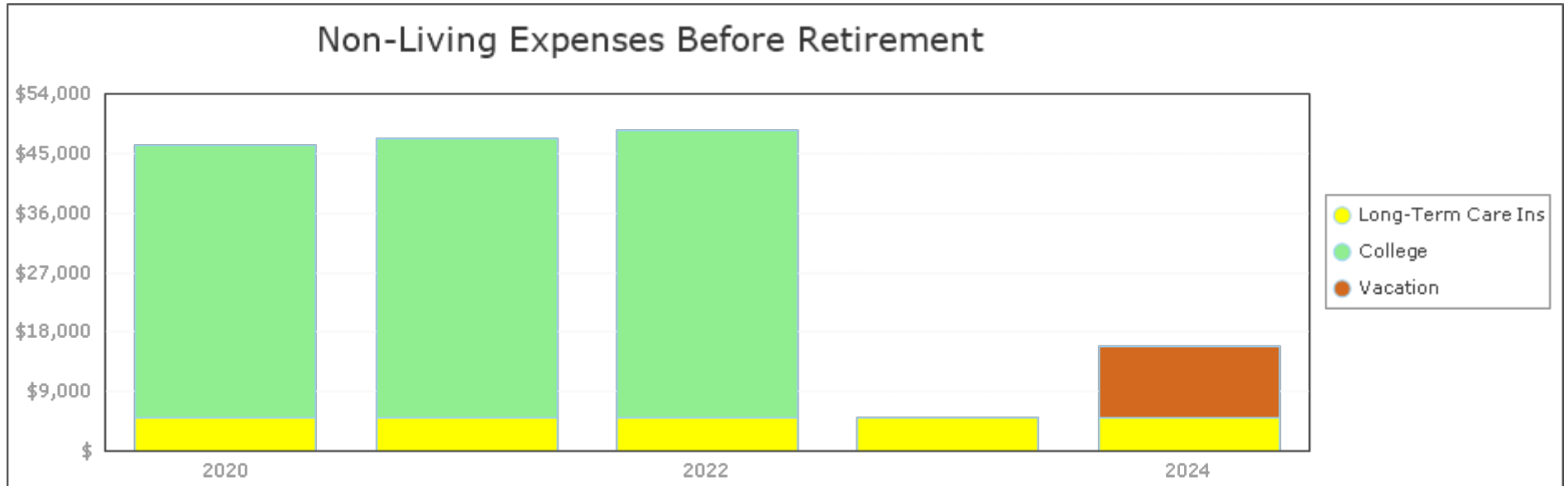
## How Funds Are Spent In Retirement



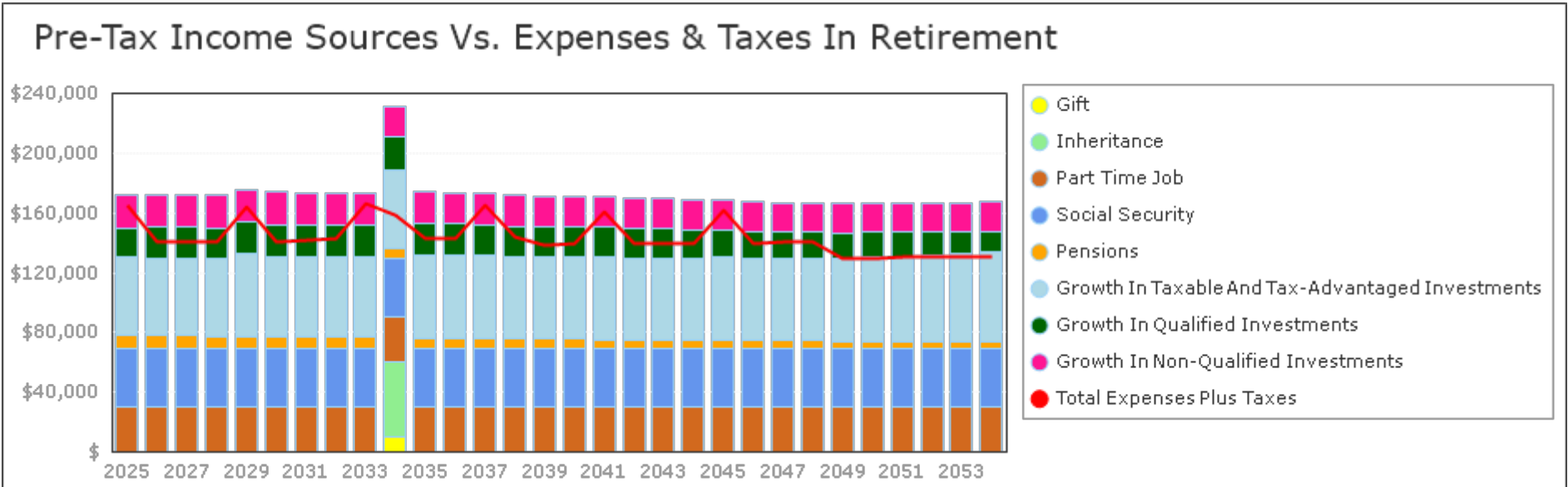
\*This chart shows you how funds are spent in retirement each year. Included here are recurring expenses (which are expenses that expected to occur each and every year in retirement), non-recurring expenses (such as college funding, weddings, new cars, etc.) and the amount spent on taxes each year.



## How Funds Are Spent Before Retirement



\*This chart shows you how funds are spent in retirement each year. Included here are recurring expenses (which are expenses that expected to occur each and every year in retirement), non-recurring expenses (such as college funding, weddings, new cars, etc.) and the amount spent on taxes each year.

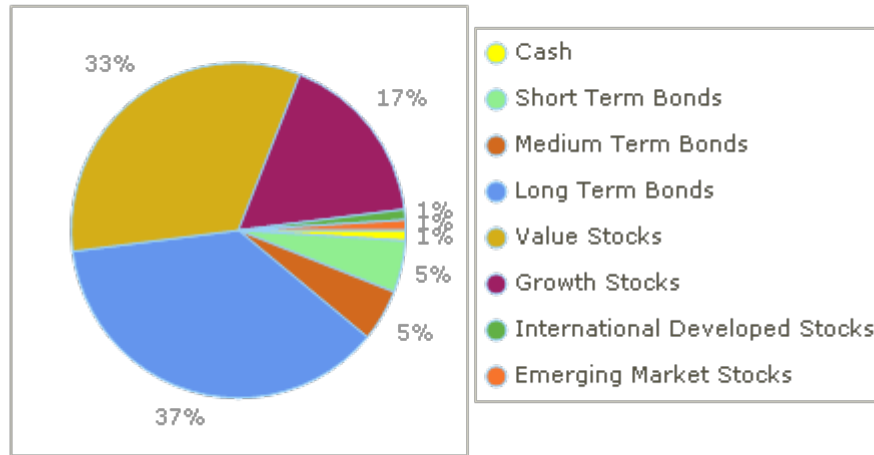


\*This chart shows you pre-tax income sources and all expenses in retirement each year. The expenses are shown as a red line through time. Any year in which the income sources are below the expense line means that there is not enough income in that year to cover expenses.

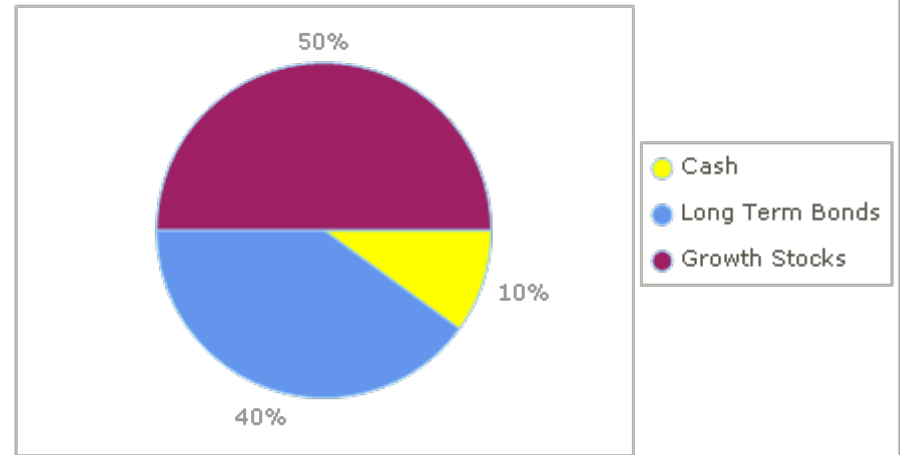


## Asset Allocation

### Asset Allocation Today



### Asset Allocation After Reallocation



\*The pie charts here show the percent of investment funds that are allocated to each asset class. These charts can help you understand your asset allocation situation and whether or not you might be taking too much or too little risk. The chart for Asset Allocation Today shows the breakdown of asset classes based on the investment information entered by the user. The chart for Asset Allocation After Reallocation shows the breakdown of asset classes based on the change in asset allocation entered by the user.

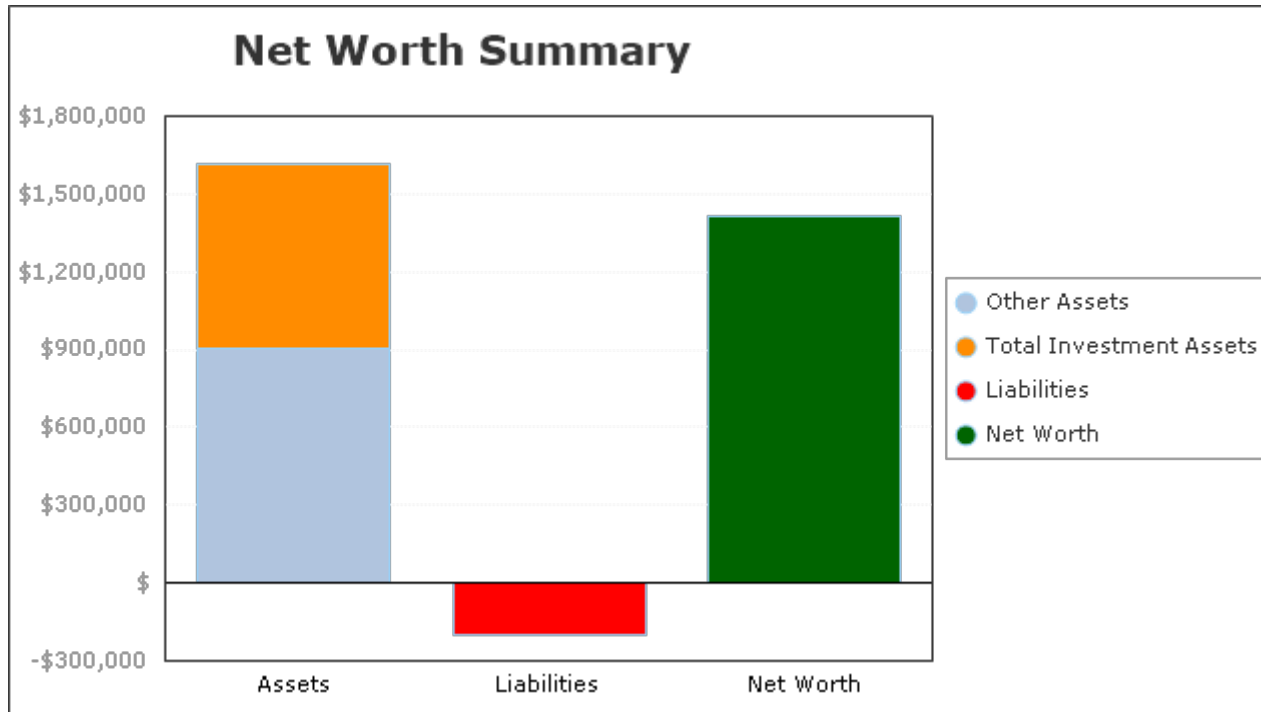


## Asset Allocation

---



## Current Net Worth



### Investment Assets

Taxable & Tax-Advantaged	\$485,000
Qualified Tax-Deferred	\$175,000
Non-Qualified Tax-Deferred	\$50,000

**Total Investment Assets** **\$710,000**

### Other Assets

Home	\$400,000
Business	\$500,000

**Total Other Assets** **\$900,000**

**Total Assets** **\$1,610,000**

### Liabilities

Mortgage	\$200,000
----------	-----------

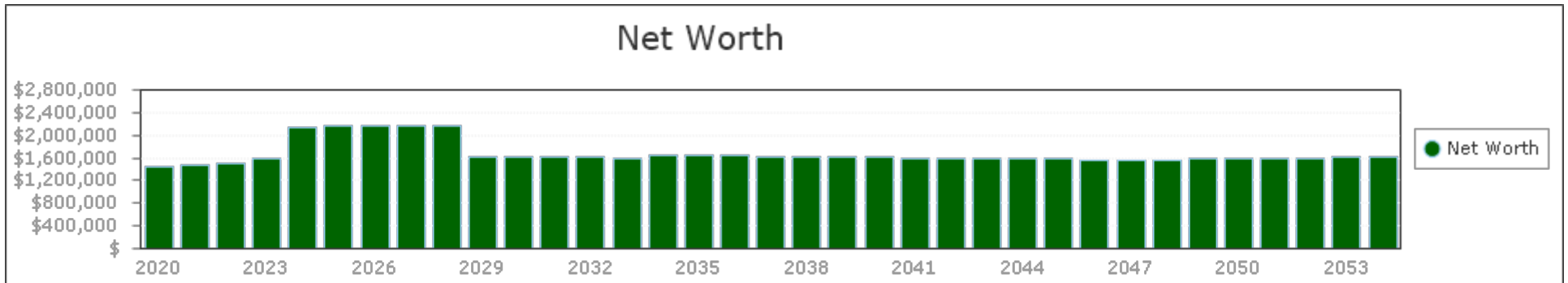
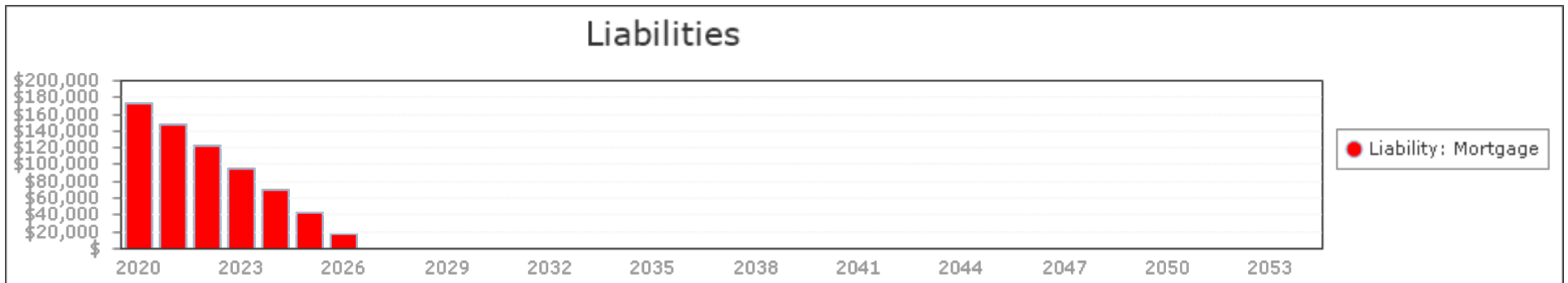
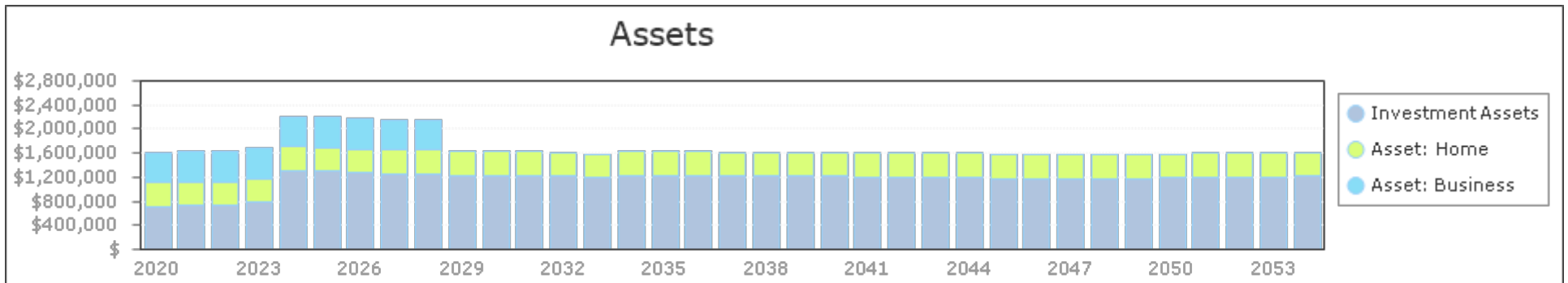
**Total Liabilities** **\$200,000**

**Net Worth:** **\$1,410,000**

\*The data and chart here show you the value of your net worth by taking the current value of your assets minus the current principal value of all liabilities.



## Net Worth Over Time



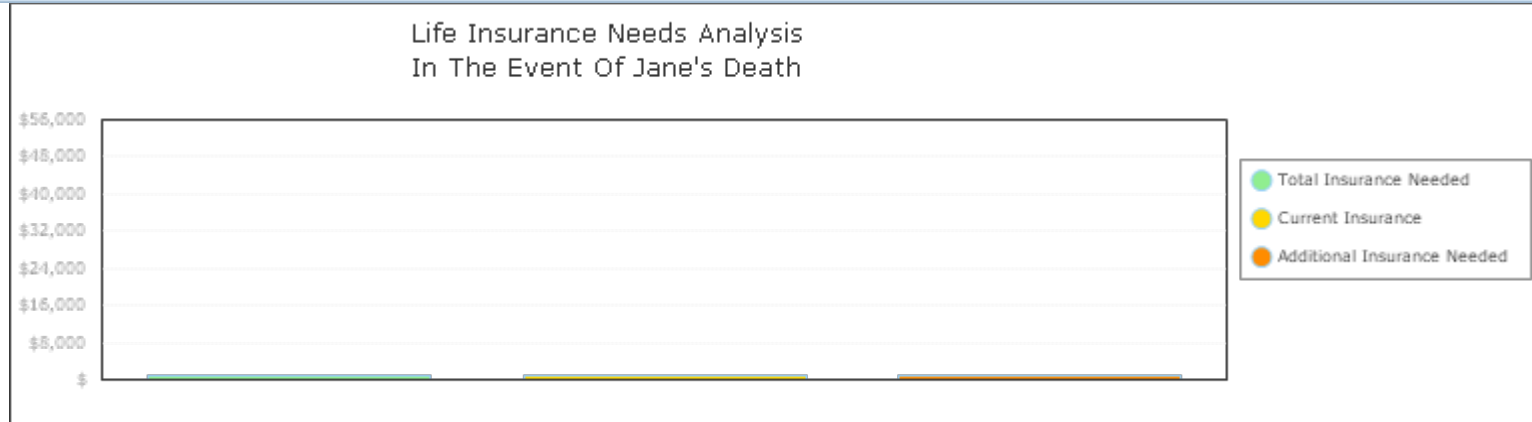
Net Worth Today :                   \$1,310,000

Net Worth At End Of Plan :       \$1,612,702





## Life Insurance Analysis And Planning



Total Insurance Needed:                 **\$0**  
 Current Insurance:                         **\$0**  
 Additional Insurance Needed:           **\$0**

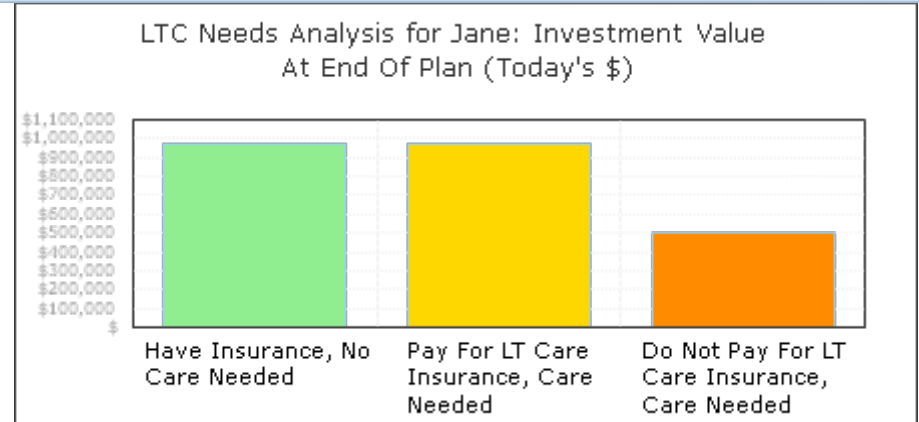
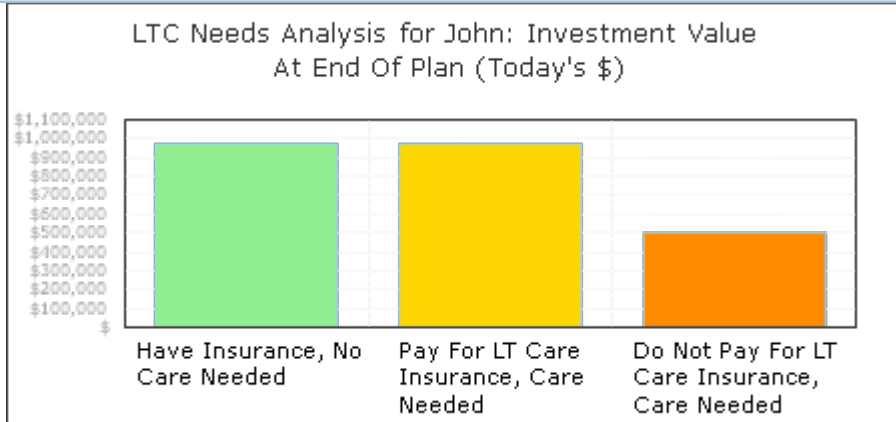
**Insurance Analysis Assumptions:**

Age This Person Passes Away	<b>70</b>
% Reduction in Spending On Living Expenses in Retirement	<b>50 %</b>
% Reduction in Spending On Goals & Additional Expenses	<b>0 %</b>
% Change In Survivor's Contributions To Tax./Tax-Adv. Investments	<b>0 %</b>
% Change In Survivor's Contributions To Qualified Investments	<b>0 %</b>
% Change In Survivor's Contributions To Non-Qualified Investments	<b>0 %</b>
Desired Investment Value At End Of Plan (Today's \$)	<b>\$0</b>

\* The analysis here shows how much life insurance might be needed when a spouse/partner in the plan passes away before the other. This program estimates how much total life insurance is needed (in today's dollar terms) such that the surviving spouse/partner meets all retirement goals and will have the amount of money left over at the end of the plan as specified by the input for Desired Investment Value At End Of Plan. Keep in mind that if the input for Desired Investment Value At End Of Plan is \$0, then the calculation for the life insurance payout needed is the minimum payout necessary such that the survivor never runs out of money.



## Long-Term Care Needs Analysis And Planning



	Average 10 Year Shortfall (Today's \$)	Inv. Value At End Of Plan (Today's \$)	Probability of Funding All Goals
<b>Pay For LTC Insurance, No Care Needed</b>	\$0	\$970,403	99 %
<b>Pay For LTC Insurance, Care Needed</b>	\$0	\$970,403	99 %
<b>Do Not Pay For LTC Insurance, Care Needed</b>	\$0	\$502,060	86 %

	Average 10 Year Shortfall (Today's \$)	Inv. Value At End Of Plan (Today's \$)	Probability of Funding All Goals
<b>Pay For LTC Insurance, No Care Needed</b>	\$0	\$970,403	99 %
<b>Pay For LTC Insurance, Care Needed</b>	\$0	\$970,403	99 %
<b>Do Not Pay For LTC Insurance, Care Needed</b>	\$0	\$502,060	86 %

**LT Care Analysis Assumptions:**

Age When Long-Term Care Is Needed	70
% Reduction in Spending On Living Expenses in Retirement	0%
% Reduction in Spending On Goals & Additional Expenses	0%
Length Of Care Covered (Years)	5
Projected Annual Cost Of Care (Today's \$)	\$80,000
Cost Of Care Annual Inflation (%)	3%
Duration Of Long-Term Care (Years)	5
Annual Long-Term Care Insurance Premium (Today's \$)	\$5,000
Age When Insurance Premium Payments Will Begin	65
Age When Insurance Premium Payments End	End Of This Person's Plan

**LT Care Analysis Assumptions:**

Age When Long-Term Care Is Needed	70
% Reduction in Spending On Living Expenses in Retirement	0%
% Reduction in Spending On Goals & Additional Expenses	0%
Length Of Care Covered (Years)	5
Projected Annual Cost Of Care (Today's \$)	\$80,000
Cost Of Care Annual Inflation (%)	3%
Duration Of Long-Term Care (Years)	5
Annual Long-Term Care Insurance Premium (Today's \$)	\$5,000
Age When Insurance Premium Payments Will Begin	65
Age When Insurance Premium Payments End	End Of This Person's Plan

\*The analysis here shows planning outputs from three different scenarios that can help users make decisions on long-term care insurance needs. The three scenarios are:

- (1) Pay For LTC Insurance, No Care Needed: This scenario assumes that the clients pay for long-term care insurance, but never need to use it.
- (2) Pay For LTC Insurance, Care Needed: This scenario assumes that the clients pay for long-term care insurance and do in fact need to use this insurance at a future date as specified by the user.
- (3) Do Not Pay For LTC Insurance, Care Needed: This scenario assumes that the clients do not pay for long-term care insurance and do need to use this insurance at a future date as specified by the user.

All long-term care scenario results here are subject to the assumptions listed above, as entered by the user.



## Investments, Expenses, & Shortfalls Through Time

Dates	Ages (End Of Planning Year)	Beginning Investment Balance	Total Expenses	Total Expenses Plus Taxes	Expenses & Taxes Paid From Income/Cash Additions	Expenses & Taxes Paid From Social Security Payments	Expenses & Taxes Paid From Pension Payments	Expenses & Taxes Paid From Taxable/Tax-Advantaged	Expenses & Taxes Paid From Non-Qualified	Expenses & Taxes Paid From Qualified	Required Minimum Distributions (RMDs) Before Taxes	RMDs After Expenses & Taxes Transferred to Taxable Accounts	Ending Investment Balance	Shortfall
9/24/2020-9/24/2021	61/61	595,122	46,315	75,441	0	0	0	52,398	0	0	0	0	610,300	0
9/24/2021-9/24/2022	62/62	595,414	47,322	76,977	0	0	0	53,595	0	0	0	0	609,279	0
9/24/2022-9/24/2023	63/63	594,418	48,355	78,535	0	0	0	54,818	0	0	0	0	606,873	0
9/24/2023-9/24/2024	64/64	592,071	5,000	32,323	0	0	0	8,277	0	0	0	0	650,808	0
9/24/2024-9/24/2025	65/65	634,935	15,841	43,046	0	11,435	8,839	3,408	5,551	2,220	0	0	1,207,678	0
9/24/2025-9/24/2026	66/66	1,178,222	143,969	165,057	30,000	39,461	8,623	82,696	3,055	1,222	0	0	1,219,663	0
9/24/2026-9/24/2027	67/67	1,189,915	121,969	140,488	30,000	39,461	8,413	61,261	0	1,353	0	0	1,221,633	0
9/24/2027-9/24/2028	68/68	1,191,837	121,969	140,674	30,000	39,460	8,207	61,650	0	1,356	0	0	1,223,117	0
9/24/2028-9/24/2029	69/69	1,193,285	121,969	140,856	30,000	39,461	8,007	62,028	0	1,359	0	0	1,224,114	0
9/24/2029-9/24/2030	70/70	1,194,257	143,969	164,160	30,000	39,461	7,812	85,555	0	1,333	0	0	1,205,153	0
9/24/2030-9/24/2031	71/71	1,175,759	121,969	140,338	30,000	39,460	7,621	61,922	0	1,333	0	0	1,209,092	0
9/24/2031-9/24/2032	72/72	1,179,602	121,969	142,250	30,000	39,461	7,436	55,485	0	9,869	8,478	0	1,210,907	0
9/24/2032-9/24/2033	73/73	1,181,373	121,969	142,486	30,000	39,460	7,254	55,652	0	10,119	8,724	0	1,212,215	0
9/24/2033-9/24/2034	74/74	1,182,649	143,969	166,124	30,000	39,461	7,077	79,212	0	10,375	8,976	0	1,189,604	0
9/24/2034-9/24/2035	75/75	1,160,589	121,969	158,154	90,000	39,461	6,905	10,922	0	10,867	9,236	0	1,233,948	0
9/24/2035-9/24/2036	76/76	1,203,852	121,969	143,136	30,000	39,461	6,736	56,032	0	10,908	9,502	0	1,234,365	0
9/24/2036-9/24/2037	77/77	1,204,259	121,969	143,363	30,000	39,461	6,572	56,147	0	11,183	9,775	0	1,234,261	0
9/24/2037-9/24/2038	78/78	1,204,158	143,969	165,587	30,000	39,460	6,412	78,249	0	11,466	10,055	0	1,211,628	0
9/24/2038-9/24/2039	79/79	1,182,076	121,969	143,618	30,000	39,460	6,255	56,198	0	11,704	10,293	0	1,209,967	0
9/24/2039-9/24/2040	80/80	1,180,456	116,969	138,831	30,000	39,461	6,103	51,269	0	11,999	10,586	0	1,212,749	0
9/24/2040-9/24/2041	81/81	1,183,170	116,969	139,060	30,000	39,460	5,954	51,400	0	12,245	10,831	0	1,215,099	0
9/24/2041-9/24/2042	82/82	1,185,462	138,969	161,286	30,000	39,460	5,809	73,523	0	12,493	11,077	0	1,195,010	0
9/24/2042-9/24/2043	83/83	1,165,864	116,969	139,336	30,000	39,461	5,667	51,467	0	12,741	11,325	0	1,195,972	0



## Investments, Expenses, & Shortfalls Through Time

Dates	Ages (End Of Planning Year)	Beginning Investment Balance	Total Expenses	Total Expenses Plus Taxes	Expenses & Taxes Paid From Income/Cash Additions	Expenses & Taxes Paid From Social Security Payments	Expenses & Taxes Paid From Pension Payments	Expenses & Taxes Paid From Taxable/Tax-Advantaged	Expenses & Taxes Paid From Non-Qualified	Expenses & Taxes Paid From Qualified	Required Minimum Distributions (RMDs) Before Taxes	RMDs After Expenses & Taxes Transferred to Taxable Accounts	Ending Investment Balance	Shortfall
9/24/2043-9/24/2044	84/84	1,166,802	116,969	139,552	30,000	39,460	5,529	51,571	0	12,991	11,575	0	1,196,471	0
9/24/2044-9/24/2045	85/85	1,167,289	116,969	139,765	30,000	39,461	5,394	51,668	0	13,242	11,824	0	1,196,500	0
9/24/2045-9/24/2046	86/86	1,167,317	138,969	161,975	30,000	39,461	5,262	73,760	0	13,492	12,074	0	1,174,051	0
9/24/2046-9/24/2047	87/87	1,145,415	116,969	139,983	30,000	39,461	5,134	51,733	0	13,655	12,239	0	1,172,637	0
9/24/2047-9/24/2048	88/88	1,144,036	116,969	140,158	30,000	39,460	5,009	51,877	0	13,812	12,395	0	1,170,744	0
9/24/2048-9/24/2049	89/89	1,142,189	116,969	140,328	30,000	39,461	4,887	52,022	0	13,958	12,543	0	1,168,366	0
9/24/2049-9/24/2050	90/90	1,139,870	106,128	129,650	30,000	39,461	4,767	41,328	0	14,094	12,678	0	1,176,340	0
9/24/2050-9/24/2051	91/91	1,147,648	106,128	129,901	30,000	39,460	4,651	41,574	0	14,216	12,801	0	1,184,058	0
9/24/2051-9/24/2052	92/92	1,155,178	106,128	130,119	30,000	39,461	4,538	41,912	0	14,208	12,794	0	1,191,549	0
9/24/2052-9/24/2053	93/93	1,162,487	106,128	130,330	30,000	39,460	4,427	42,264	0	14,178	12,766	0	1,198,818	0
9/24/2053-9/24/2054	94/94	1,169,578	106,128	130,534	30,000	39,460	4,319	42,631	0	14,124	12,712	0	1,205,867	0
9/24/2054-9/24/2055	95/95	1,176,456	106,128	130,729	30,000	39,461	4,214	43,014	0	14,041	12,631	0	1,212,702	0

## Cash Flow Distributions In Retirement

Dates	9/24/2025-9/24/2026	9/24/2026-9/24/2027	9/24/2027-9/24/2028	9/24/2028-9/24/2029	9/24/2029-9/24/2030	9/24/2030-9/24/2031	9/24/2031-9/24/2032	9/24/2032-9/24/2033	9/24/2033-9/24/2034	9/24/2034-9/24/2035	9/24/2035-9/24/2036	9/24/2036-9/24/2037
Ages (End Of Planning Year)	66/66	67/67	68/68	69/69	70/70	71/71	72/72	73/73	74/74	75/75	76/76	77/77
Pension Income: John	8,623	8,413	8,207	8,007	7,812	7,621	7,436	7,254	7,077	6,905	6,736	6,572
Social Security: John	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461
Social Security: Jane	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Annuity Income	30,784	30,634	30,484	30,336	30,188	30,040	29,894	29,748	29,603	29,459	29,315	29,172
<b>Total Retirement Income</b>	<b>78,868</b>	<b>78,507</b>	<b>78,153</b>	<b>77,804</b>	<b>77,460</b>	<b>77,123</b>	<b>76,790</b>	<b>76,463</b>	<b>76,141</b>	<b>75,824</b>	<b>75,512</b>	<b>75,204</b>
Cash Inflow: Gift	0	0	0	0	0	0	0	0	0	10,000	0	0
Cash Inflow: Inheritance	0	0	0	0	0	0	0	0	0	50,000	0	0
Cash Inflow: Part Time Job	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Total Additional Cash Inflows	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	90,000	30,000	30,000
Investment Growth	63,007	63,699	63,802	63,880	67,595	66,548	66,765	66,866	66,938	65,689	68,138	68,161
<b>Total Income, Investment Growth &amp; Cash Inflows</b>	<b>171,875</b>	<b>172,206</b>	<b>171,954</b>	<b>171,684</b>	<b>175,055</b>	<b>173,671</b>	<b>173,556</b>	<b>173,329</b>	<b>173,079</b>	<b>231,513</b>	<b>173,650</b>	<b>173,366</b>
Living Expenses In Retirement	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128
Additional Expense: Long-Term Care Ins	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Additional Expense: New Car	22,000	0	0	0	22,000	0	0	0	22,000	0	0	0
Additional Expense: Vacation	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841
Total Expenses	143,969	121,969	121,969	121,969	143,969	121,969	121,969	121,969	143,969	121,969	121,969	121,969
Total Taxes & Tax Penalties	21,088	18,519	18,705	18,887	20,191	18,369	20,281	20,517	22,155	36,185	21,167	21,394
Contributions To Investments (Savings)	34,623	0	0	0	0	0	0	0	0	0	0	0
<b>Surplus/Deficit (Net Change In Portfolio)</b>	<b>41,441</b>	<b>31,718</b>	<b>31,280</b>	<b>30,829</b>	<b>10,895</b>	<b>33,333</b>	<b>31,305</b>	<b>30,843</b>	<b>6,955</b>	<b>73,359</b>	<b>30,513</b>	<b>30,003</b>
Beginning Investment Balance	1,178,222	1,189,915	1,191,837	1,193,285	1,194,257	1,175,759	1,179,602	1,181,373	1,182,649	1,160,589	1,203,852	1,204,259
<b>Ending Investment Balance</b>	<b>1,219,663</b>	<b>1,221,633</b>	<b>1,223,117</b>	<b>1,224,114</b>	<b>1,205,153</b>	<b>1,209,092</b>	<b>1,210,907</b>	<b>1,212,215</b>	<b>1,189,604</b>	<b>1,233,948</b>	<b>1,234,365</b>	<b>1,234,261</b>
Portfolio Withdrawal Rate	4.25 %	2.46 %	2.50 %	2.54 %	4.36 %	2.59 %	2.76 %	2.80 %	4.65 %	-0.58 %	2.87 %	2.91 %
Effective Federal Income Tax Rate	10.89 %	12.46 %	12.57 %	12.68 %	12.45 %	12.54 %	13.29 %	13.41 %	13.53 %	16.39 %	13.78 %	13.90 %
Marginal Federal Income Tax Rate	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %
Effective State Income Tax Rate	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %
Required Minimum Distributions - John	0	0	0	0	0	0	6,899	7,100	7,305	7,516	7,733	7,955
Required Minimum Distributions - Jane	0	0	0	0	0	0	1,578	1,624	1,671	1,719	1,769	1,820
Required Minimum Distributions	0	0	0	0	0	0	8,478	8,724	8,976	9,236	9,502	9,775

This page allows you to easily view all of the cash inflows and outflows that occur in a given year. Results can quickly be audited or tied out as well. Rows in light blue are meant to be added (for inflows) and subtracted (for outflows) to get to the final number highlighted in dark yellow below these rows. Starting with the dark yellow row you can then add and subtract inflows and outflows below it to calculate the next row in dark yellow. All rows in light gray are shown for informational purposes only. They should not be used in adding and subtracting results when auditing or tying out results.

## Cash Flow Distributions In Retirement

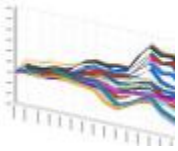
Dates	9/24/2037-9/24/2038	9/24/2038-9/24/2039	9/24/2039-9/24/2040	9/24/2040-9/24/2041	9/24/2041-9/24/2042	9/24/2042-9/24/2043	9/24/2043-9/24/2044	9/24/2044-9/24/2045	9/24/2045-9/24/2046	9/24/2046-9/24/2047	9/24/2047-9/24/2048	9/24/2048-9/24/2049	9/24/2049-9/24/2050
Ages (End Of Planning Year)	78/78	79/79	80/80	81/81	82/82	83/83	84/84	85/85	86/86	87/87	88/88	89/89	90/90
Pension Income: John	6,412	6,255	6,103	5,954	5,809	5,667	5,529	5,394	5,262	5,134	5,009	4,887	4,767
Social Security: John	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461	24,461
Social Security: Jane	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Annuity Income	29,030	28,888	28,747	28,607	28,467	28,328	28,190	28,053	27,916	27,780	27,644	27,509	27,375
<b>Total Retirement Income</b>	<b>74,902</b>	<b>74,604</b>	<b>74,310</b>	<b>74,021</b>	<b>73,737</b>	<b>73,456</b>	<b>73,180</b>	<b>72,907</b>	<b>72,639</b>	<b>72,374</b>	<b>72,114</b>	<b>71,857</b>	<b>71,603</b>
Cash Inflow: Gift	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow: Inheritance	0	0	0	0	0	0	0	0	0	0	0	0	0
Cash Inflow: Part Time Job	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Total Additional Cash Inflows	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Investment Growth	68,155	66,906	66,814	66,967	67,097	65,988	66,041	66,069	66,070	64,831	64,752	64,648	64,517
<b>Total Income, Investment Growth &amp; Cash Inflows</b>	<b>173,057</b>	<b>171,509</b>	<b>171,124</b>	<b>170,989</b>	<b>170,834</b>	<b>169,444</b>	<b>169,221</b>	<b>168,976</b>	<b>168,709</b>	<b>167,205</b>	<b>166,866</b>	<b>166,505</b>	<b>166,120</b>
Living Expenses In Retirement	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128	106,128
Additional Expense: Long-Term Care Ins	5,000	5,000	0	0	0	0	0	0	0	0	0	0	0
Additional Expense: New Car	22,000	0	0	0	22,000	0	0	0	22,000	0	0	0	0
Additional Expense: Vacation	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	10,841	0
Total Expenses	143,969	121,969	116,969	116,969	138,969	116,969	116,969	116,969	138,969	116,969	116,969	116,969	106,128
Total Taxes & Tax Penalties	21,618	21,649	21,862	22,091	22,317	22,367	22,583	22,796	23,006	23,014	23,189	23,359	23,522
Contributions To Investments (Savings)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Surplus/Deficit (Net Change In Portfolio)</b>	<b>7,470</b>	<b>27,891</b>	<b>32,293</b>	<b>31,929</b>	<b>9,548</b>	<b>30,108</b>	<b>29,669</b>	<b>29,211</b>	<b>6,734</b>	<b>27,222</b>	<b>26,708</b>	<b>26,177</b>	<b>36,470</b>
Beginning Investment Balance	1,204,158	1,182,076	1,180,456	1,183,170	1,185,462	1,165,864	1,166,802	1,167,289	1,167,317	1,145,415	1,144,036	1,142,189	1,139,870
<b>Ending Investment Balance</b>	<b>1,211,628</b>	<b>1,209,967</b>	<b>1,212,749</b>	<b>1,215,099</b>	<b>1,195,010</b>	<b>1,195,972</b>	<b>1,196,471</b>	<b>1,196,500</b>	<b>1,174,051</b>	<b>1,172,637</b>	<b>1,170,744</b>	<b>1,168,366</b>	<b>1,176,340</b>
Portfolio Withdrawal Rate	4.64 %	3.03 %	2.69 %	2.72 %	4.46 %	2.83 %	2.86 %	2.90 %	4.67 %	3.01 %	3.05 %	3.09 %	2.26 %
Effective Federal Income Tax Rate	14.01 %	14.10 %	14.20 %	14.31 %	14.41 %	14.49 %	14.59 %	14.69 %	14.78 %	14.85 %	14.93 %	15.02 %	15.09 %
Marginal Federal Income Tax Rate	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %
Effective State Income Tax Rate	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %
Required Minimum Distributions - John	8,183	8,377	8,615	8,814	9,015	9,217	9,420	9,623	9,826	9,960	10,088	10,207	10,318
Required Minimum Distributions - Jane	1,872	1,916	1,971	2,016	2,062	2,108	2,155	2,201	2,248	2,279	2,308	2,335	2,360
Required Minimum Distributions	10,055	10,293	10,586	10,831	11,077	11,325	11,575	11,824	12,074	12,239	12,395	12,543	12,678

This page allows you to easily view all of the cash inflows and outflows that occur in a given year. Results can quickly be audited or tied out as well. Rows in light blue are meant to be added (for inflows) and subtracted (for outflows) to get to the final number highlighted in dark yellow below these rows. Starting with the dark yellow row you can then add and subtract inflows and outflows below it to calculate the next row in dark yellow. All rows in light gray are shown for informational purposes only. They should not be used in adding and subtracting results when auditing or tying out results.

## Cash Flow Distributions In Retirement

Dates	9/24/2050-9/24/2051	9/24/2051-9/24/2052	9/24/2052-9/24/2053	9/24/2053-9/24/2054	9/24/2054-9/24/2055
Ages (End Of Planning Year)	91/91	92/92	93/93	94/94	95/95
Pension Income: John	4,651	4,538	4,427	4,319	4,214
Social Security: John	24,461	24,461	24,461	24,461	24,461
Social Security: Jane	15,000	15,000	15,000	15,000	15,000
Annuity Income	27,242	27,109	26,976	26,845	26,714
<b>Total Retirement Income</b>	<b>71,353</b>	<b>71,107</b>	<b>70,864</b>	<b>70,625</b>	<b>70,388</b>
Cash Inflow: Gift	0	0	0	0	0
Cash Inflow: Inheritance	0	0	0	0	0
Cash Inflow: Part Time Job	30,000	30,000	30,000	30,000	30,000
<b>Total Additional Cash Inflows</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>	<b>30,000</b>
Investment Growth	64,957	65,383	65,797	66,198	66,587
<b>Total Income, Investment Growth &amp; Cash Inflows</b>	<b>166,310</b>	<b>166,490</b>	<b>166,661</b>	<b>166,823</b>	<b>166,976</b>
Living Expenses In Retirement	106,128	106,128	106,128	106,128	106,128
Additional Expense: Long-Term Care Ins	0	0	0	0	0
Additional Expense: New Car	0	0	0	0	0
Additional Expense: Vacation	0	0	0	0	0
<b>Total Expenses</b>	<b>106,128</b>	<b>106,128</b>	<b>106,128</b>	<b>106,128</b>	<b>106,128</b>
Total Taxes & Tax Penalties	23,773	23,991	24,202	24,406	24,601
Contributions To Investments (Savings)	0	0	0	0	0
<b>Surplus/Deficit (Net Change In Portfolio)</b>	<b>36,409</b>	<b>36,371</b>	<b>36,331</b>	<b>36,289</b>	<b>36,246</b>
Beginning Investment Balance	1,147,648	1,155,178	1,162,487	1,169,578	1,176,456
<b>Ending Investment Balance</b>	<b>1,184,058</b>	<b>1,191,549</b>	<b>1,198,818</b>	<b>1,205,867</b>	<b>1,212,702</b>
Portfolio Withdrawal Rate	2.29 %	2.31 %	2.33 %	2.35 %	2.38 %
Effective Federal Income Tax Rate	15.18 %	15.25 %	15.33 %	15.40 %	15.46 %
Marginal Federal Income Tax Rate	22.00 %	22.00 %	22.00 %	22.00 %	22.00 %
Effective State Income Tax Rate	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %
Required Minimum Distributions - John	10,418	10,412	10,389	10,346	10,280
Required Minimum Distributions - Jane	2,383	2,382	2,377	2,367	2,352
Required Minimum Distributions	12,801	12,794	12,766	12,712	12,631

This page allows you to easily view all of the cash inflows and outflows that occur in a given year. Results can quickly be audited or tied out as well. Rows in light blue are meant to be added (for inflows) and subtracted (for outflows) to get to the final number highlighted in dark yellow below these rows. Starting with the dark yellow row you can then add and subtract inflows and outflows below it to calculate the next row in dark yellow. All rows in light gray are shown for informational purposes only. They should not be used in adding and subtracting results when auditing or tying out results.



## What-If Scenario Information

### Inputs

Scenario Name	Apply To	Change In Qualified Tax-Deferred Contributions	% Change In Recurring Expenses
Expenses 15% less	Primary	0	-15 %
401k Contrib. Up \$5000	Both	5000	0 %
Bear Market	Both	0	0 %

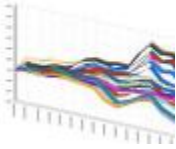
\*The data here show you the what-if scenarios that were run on your plan. The program calculates the plan results under each scenario and outputs plan results for each scenario (what-if scenario outputs are shown on the next page).

### Definitions:

**Apply To:** If set to Both the scenario inputs were applied to both the primary user and the spouse/partner.

\*The remaining inputs show which variables were changed in each scenario.





## What-If Scenario Information

Scenario Name	Total Investment Value At John's Retirement (Today's Dollars)	Total Investment Value At Jane's Retirement (Today's Dollars)	Total Investment Value At End Of Plan (Today's Dollars)	Age Of First Shortfall (John)	Age Of First Shortfall (Jane)	Average 10 Year Shortfall (Today's Dollars)	Probability of Funding All Goals
Base Case	\$1,219,663	\$1,207,678	\$1,212,702	Never	Never	\$0	100 %
Expenses 15% less	\$1,236,754	\$1,207,678	\$1,900,493	Never	Never	\$0	100 %
401k Contrib. Up \$5000	\$1,254,293	\$1,234,996	\$1,274,214	Never	Never	\$0	100 %
Bear Market	\$1,158,595	\$1,148,215	\$1,079,785	Never	Never	\$0	100 %

### Definitions:

**Total Investment Value At Retirement (Today's Dollars):** The total amount of all combined investments (primary user + spouse/partner) at the retirement date of each person in the plan. This is shown in today's dollars by reducing the amount by the total inflation rate over the period.

**Total Investment Value At End Of Plan (Today's Dollars):** The total amount of all combined investments (primary user + spouse/partner) on the later of the End Ages for the primary client and spouse/partner. This is shown in today's dollars by reducing the amount by the total inflation rate over the period. This number can be looked at two ways: 1) It is the buffer or cushion you have after meeting your retirement goals or 2) It is the amount you will leave your heirs at the end of your plan.

**Age Of First Shortfall:** The age of each person in the plan when expenses exceed all available income and investment principal.

**Average Ten Year Shortfall (Today's Dollars):** The average shortfall over ten years, starting with the first shortfall. This is shown in today's dollars by reducing the amount by the inflation rate over the period.

**Probability Of Funding All Goals:** The probability of never running out of money from today through the end of the plan. This number is calculated by running 1,000 monte carlo simulations on all investment returns and taking the number of simulations where funds never run out divided by the total number of simulations.



## Generate Ideas- Change Your Retirement Age

<u>Change In John's Retirement Age(Years)</u>	<u>Age of First Shortfall When John's Retirement Age Changes</u>	<u>Investment Value at Retirement (Today's \$) When John's Retirement Age Changes</u>	<u>Investment Value at End of Plan (Today's \$) When John's Retirement Age Changes</u>
0	Never	\$1,219,663	\$1,212,702
1	Never	\$1,332,919	\$1,426,955
2	Never	\$1,388,771	\$1,526,036
3	Never	\$1,442,684	\$1,619,038
4	Never	\$1,499,550	\$1,705,135
5	Never	\$1,622,996	\$1,900,122
6	Never	\$1,746,545	\$2,087,747
7	Never	\$1,871,219	\$2,266,969
8	Never	\$1,997,863	\$2,442,781
9	Never	\$2,170,020	\$2,615,433

<u>Change In Jane's Retirement Age (Years)</u>	<u>Age of First Shortfall When Jane's Retirement Age Changes</u>	<u>Investment Value at Retirement (Today's \$) When Jane's Retirement Age Changes</u>	<u>Investment Value at End Of Plan (Today's \$) When Jane's Retirement Age Changes</u>
0	Never	\$1,207,678	\$1,212,702
1	Never	\$1,217,315	\$1,208,244
2	Never	\$1,275,574	\$1,311,702
3	Never	\$1,334,229	\$1,415,592
4	Never	\$1,394,263	\$1,517,939
5	Never	\$1,435,021	\$1,617,081
6	Never	\$1,501,181	\$1,714,900
7	Never	\$1,564,652	\$1,806,874
8	Never	\$1,629,190	\$1,896,712
9	Never	\$1,672,656	\$1,984,304



## Generate Ideas- Change Your Retirement Age

<u>Change In Both Partner's Retirement Age (Years)</u>	<u>Age of First Shortfall When Both Retirement Ages Change</u>	<u>Investment Value at Retirement (Today's \$) When Both Partner's Retirement Ages Change</u>	<u>Investment Value at End Of Plan (Today's \$) When Both Partner's Retirement Ages Change</u>
0	Never	\$1,219,663	\$1,212,702
1	Never	\$1,330,521	\$1,422,334
2	Never	\$1,383,369	\$1,515,710
3	Never	\$1,435,984	\$1,606,784
4	Never	\$1,491,578	\$1,691,075
5	Never	\$1,613,367	\$1,883,801
6	Never	\$1,733,599	\$2,066,155
7	Never	\$1,854,781	\$2,240,474
8	Never	\$1,977,824	\$2,411,240
9	Never	\$2,146,262	\$2,578,869



## Generate Ideas- Change The Amount You Save

<u>Increase Savings Before Retirement by (\$ Per Year)</u>	<u>Age of First Shortfall</u>	<u>Investment Value At Retirement (Today's \$)</u>	<u>Investment Value at End Of Plan (Today's \$)</u>
\$0	Never	\$1,219,663	\$1,212,702
\$1,080	Never	\$1,226,605	\$1,225,984
\$2,160	Never	\$1,233,546	\$1,239,193
\$3,240	Never	\$1,240,488	\$1,252,075
\$4,320	Never	\$1,247,428	\$1,265,257
\$5,400	Never	\$1,254,369	\$1,278,656
\$6,480	Never	\$1,261,309	\$1,292,079
\$7,560	Never	\$1,268,249	\$1,305,515
\$8,640	Never	\$1,275,189	\$1,319,045
\$9,720	Never	\$1,282,129	\$1,332,576
\$10,800	Never	\$1,289,068	\$1,346,095
\$11,880	Never	\$1,296,007	\$1,359,479
\$12,960	Never	\$1,302,946	\$1,372,765
\$14,040	Never	\$1,309,885	\$1,386,044
\$15,120	Never	\$1,316,823	\$1,399,318
\$16,200	Never	\$1,323,762	\$1,412,588
\$17,280	Never	\$1,330,700	\$1,425,806
\$18,360	Never	\$1,337,638	\$1,439,118
\$19,440	Never	\$1,344,576	\$1,452,426
\$20,520	Never	\$1,351,513	\$1,465,730



## Generate Ideas- Change The Amount You Spend in Retirement

Percent Change in Annual Expenses During Retirement	Age of First Shortfall	Investment Value at End Of Plan (Today's \$)
-24 %	Never	\$2,305,669
-23 %	Never	\$2,260,477
-21 %	Never	\$2,170,435
-20 %	Never	\$2,125,410
-19 %	Never	\$2,080,376
-17 %	Never	\$1,990,456
-16 %	Never	\$1,945,377
-15 %	Never	\$1,900,493
-14 %	Never	\$1,855,288
-12 %	Never	\$1,764,789
-11 %	Never	\$1,719,443
-10 %	Never	\$1,673,928
-9 %	Never	\$1,627,409
-8 %	Never	\$1,579,999
-6 %	Never	\$1,485,738
-5 %	Never	\$1,438,763
-4 %	Never	\$1,393,015
-2 %	Never	\$1,302,550
-1 %	Never	\$1,256,944
0 %	Never	\$1,212,702
1 %	Never	\$1,167,128
2 %	Never	\$1,122,190
4 %	Never	\$1,032,632
5 %	Never	\$987,723
6 %	Never	\$942,938
8 %	Never	\$852,912
9 %	Never	\$808,133
10 %	Never	\$763,266
11 %	Never	\$718,420
12 %	Never	\$673,519



## Generate Ideas- Change in Goals

### Impact of Changing Spending on Goal- Purchase Second Home

<u>Purchase Second Home: Percent Change In Spending For Goal</u>	<u>Purchase Second Home: Age of First Shortfall- John</u>	<u>Purchase Second Home: Investment Value At End Of Plan (Today's \$)</u>
0 %	Never	\$2,311,493
-5 %	Never	\$2,311,493
-10 %	Never	\$2,311,493
-15 %	Never	\$2,311,493
-20 %	Never	\$2,311,493
-25 %	Never	\$2,311,493
-30 %	Never	\$2,311,493
-35 %	Never	\$2,311,493
-40 %	Never	\$2,311,493
-45 %	Never	\$2,311,493
-50 %	Never	\$2,311,493
-55 %	Never	\$2,311,493
-60 %	Never	\$2,311,493
-65 %	Never	\$2,311,493
-70 %	Never	\$2,311,493
-75 %	Never	\$2,311,493
-80 %	Never	\$2,311,493
-85 %	Never	\$2,311,493
-90 %	Never	\$2,311,493
-95 %	Never	\$2,311,493
-100 %	Never	\$2,311,493



## Generate Ideas- Change in Goals

### Impact of Changing Spending on Goal- Long-Term Care Ins

<u>Long-Term Care Ins: Percent Change In Spending For Goal</u>	<u>Long-Term Care Ins: Age of First Shortfall- John</u>	<u>Long-Term Care Ins: Investment Value At End Of Plan (Today's \$)</u>
0 %	Never	\$2,143,323
-5 %	Never	\$2,151,738
-10 %	Never	\$2,160,153
-15 %	Never	\$2,168,566
-20 %	Never	\$2,176,980
-25 %	Never	\$2,185,392
-30 %	Never	\$2,193,804
-35 %	Never	\$2,202,215
-40 %	Never	\$2,210,625
-45 %	Never	\$2,219,034
-50 %	Never	\$2,227,443
-55 %	Never	\$2,235,851
-60 %	Never	\$2,244,259
-65 %	Never	\$2,252,666
-70 %	Never	\$2,261,072
-75 %	Never	\$2,269,477
-80 %	Never	\$2,277,881
-85 %	Never	\$2,286,285
-90 %	Never	\$2,294,689
-95 %	Never	\$2,303,091
-100 %	Never	\$2,311,493



## Generate Ideas- Change in Goals

### Impact of Changing Spending on Goal- College

<u>College: Percent Change In Spending For Goal</u>	<u>College: Age of First Shortfall- John</u>	<u>College: Investment Value At End Of Plan (Today's \$)</u>
0 %	Never	\$1,848,205
-5 %	Never	\$1,863,172
-10 %	Never	\$1,878,125
-15 %	Never	\$1,893,066
-20 %	Never	\$1,907,996
-25 %	Never	\$1,922,914
-30 %	Never	\$1,937,821
-35 %	Never	\$1,952,718
-40 %	Never	\$1,967,604
-45 %	Never	\$1,982,481
-50 %	Never	\$1,997,349
-55 %	Never	\$2,012,207
-60 %	Never	\$2,027,296
-65 %	Never	\$2,046,599
-70 %	Never	\$2,057,516
-75 %	Never	\$2,070,226
-80 %	Never	\$2,087,246
-85 %	Never	\$2,102,963
-90 %	Never	\$2,116,378
-95 %	Never	\$2,129,818
-100 %	Never	\$2,143,323





## Generate Ideas- Change in Goals

### Impact of Changing Spending on Goal- New Car

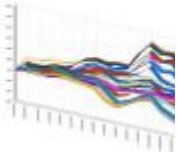
<u>New Car: Percent Change In Spending For Goal</u>	<u>New Car: Age of First Shortfall- John</u>	<u>New Car: Investment Value At End Of Plan (Today's \$)</u>
0 %	Never	\$1,636,222
-5 %	Never	\$1,647,136
-10 %	Never	\$1,658,050
-15 %	Never	\$1,668,915
-20 %	Never	\$1,679,662
-25 %	Never	\$1,690,642
-30 %	Never	\$1,701,403
-35 %	Never	\$1,711,903
-40 %	Never	\$1,722,752
-45 %	Never	\$1,733,368
-50 %	Never	\$1,743,840
-55 %	Never	\$1,754,311
-60 %	Never	\$1,764,781
-65 %	Never	\$1,775,101
-70 %	Never	\$1,785,852
-75 %	Never	\$1,796,333
-80 %	Never	\$1,806,863
-85 %	Never	\$1,817,778
-90 %	Never	\$1,828,248
-95 %	Never	\$1,838,227
-100 %	Never	\$1,848,205



## Generate Ideas- Change in Goals

### Impact of Changing Spending on Goal- Vacation

<u>Vacation: Percent Change In Spending For Goal</u>	<u>Vacation: Age of First Shortfall- John</u>	<u>Vacation: Investment Value At End Of Plan (Today's \$)</u>
0 %	Never	\$1,212,702
-5 %	Never	\$1,233,106
-10 %	Never	\$1,253,146
-15 %	Never	\$1,274,019
-20 %	Never	\$1,295,050
-25 %	Never	\$1,316,048
-30 %	Never	\$1,336,615
-35 %	Never	\$1,357,220
-40 %	Never	\$1,377,830
-45 %	Never	\$1,398,645
-50 %	Never	\$1,420,346
-55 %	Never	\$1,441,971
-60 %	Never	\$1,463,629
-65 %	Never	\$1,485,451
-70 %	Never	\$1,507,141
-75 %	Never	\$1,528,852
-80 %	Never	\$1,550,703
-85 %	Never	\$1,572,598
-90 %	Never	\$1,594,274
-95 %	Never	\$1,615,290
-100 %	Never	\$1,636,222



## Monte Carlo Results

**Probability Of Funding All Goals:** 100 %

<b>Quartile Information:</b>	<b>Quartile 1 (Worst 25%)</b>	<b>Quartile 2</b>	<b>Median</b>	<b>Quartile 3</b>	<b>Quartile 4 (Best 25%)</b>
Age Of First Shortfall (John)	Never	Never	Never	Never	Never
Age Of First Shortfall (Jane)	Never	Never	Never	Never	Never
Investment Value At John's Retirement (Today's Dollars)	\$1,059,626	\$1,169,147	\$1,206,420	\$1,246,690	\$1,385,598
Investment Value At Jane's Retirement (Today's Dollars)	\$1,082,395	\$1,171,260	\$1,202,902	\$1,229,548	\$1,339,272
Investment Value at End Of Plan (Today's Dollars)	\$522,797	\$859,026	\$1,034,449	\$1,256,715	\$1,967,664

### **Probability Of Having Various Amounts (In Today's \$) At End Of Plan:**

Probability Of Having At Least \$606,000 At End Of Plan	83 %
Probability Of Having At Least \$1,213,000 At End Of Plan	40 %
Probability Of Having At Least \$1,819,000 At End Of Plan	12 %
Probability Of Having At Least \$2,425,000 At End Of Plan	3 %

### **Definitions:**

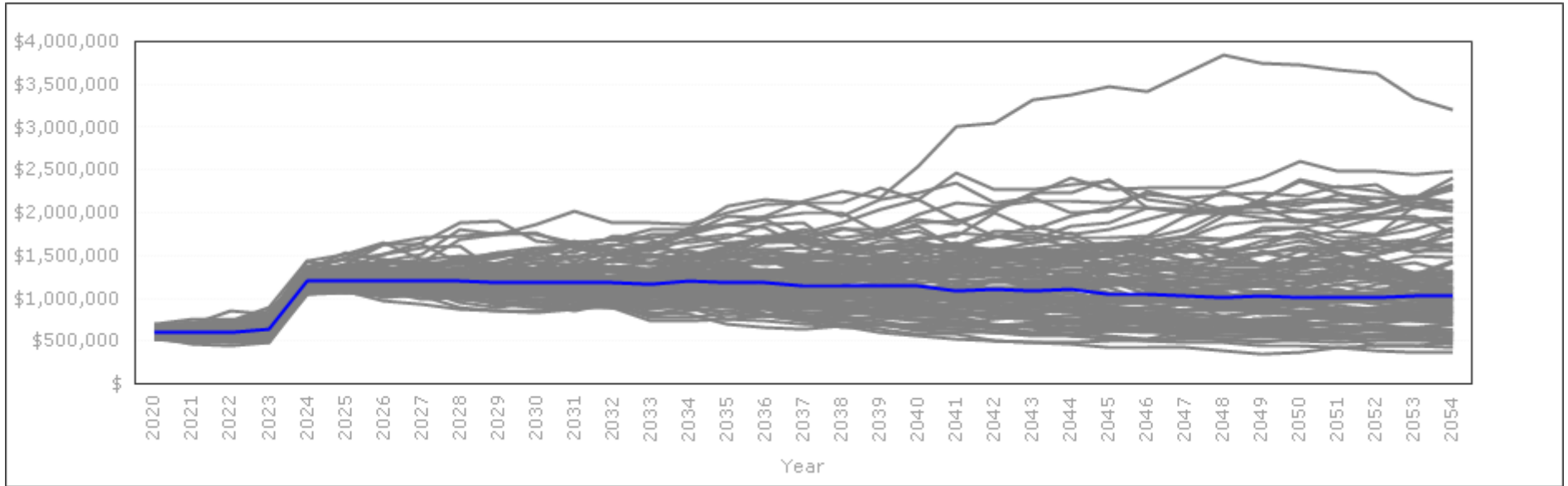
**Probability Of Funding All Goals:** This number is calculated by running 1,000 Monte Carlo simulations on all investment returns and taking the number of simulations where funds never run out divided by the total number of simulations.

**Quartile Information:** The Quartile information shows you the averaged results from the four quartiles, where the quartiles are split based on the value for Investment Value At End Of Plan. For example, Investment Value At End Of Plan for the Best 25% of Simulations shows you the average value for this field in the best 25% (highest values for Investment Value At End Of Plan) of the Monte Carlo simulations run.

**Probability Of Having Various Amounts (In Today's \$) At End Of Plan:** The probability of never running out of money from today through the end of the plan while having various amounts of money left over at the end of the plan. These buckets are determined by the program based on the base case value for Investment Value At End Of Plan. The probability value for each bucket is calculated by running 1,000 monte carlo simulations on all investment returns and taking the number of simulations where the Total Investment Value At End Of Plan is at least the amount specified in each bucket.



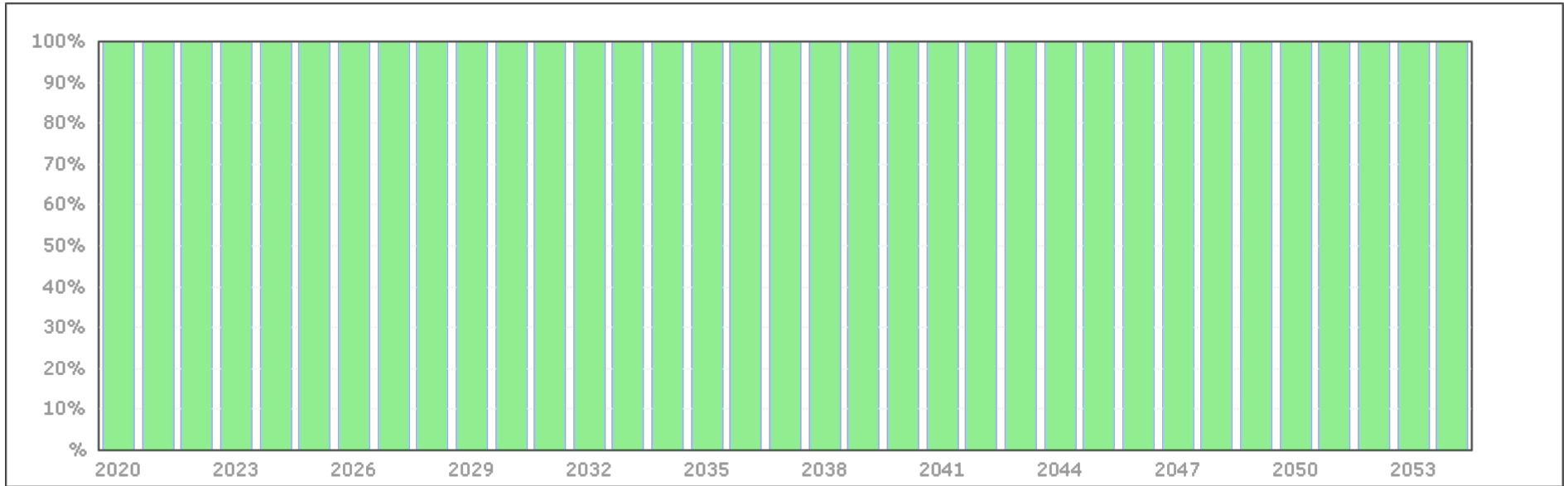
## Range Of Projected Investment Balances In Monte Carlo Simulations (Today's \$)



\*This chart shows you the value of all investments over time for all 1,000 Monte Carlo simulations. The blue line is the median investment value in each year.



## Probability Of Funding All Goals Through Time



\*This chart shows you the probability of funding all retirement goals through each year.



## Summary of Retirement Situation

---

Total Investment Value At John's Retirement (Today's Dollars)	\$1,219,663
Total Investment Value At Jane's Retirement (Today's Dollars)	\$1,207,678
Age Of First Shortfall (John)	Never
Age Of First Shortfall (Jane)	Never
Average Five Year Shortfall (Today's Dollars)	\$0
Average Ten Year Shortfall (Today's Dollars)	\$0
Total Investment Value at End Of Plan (Today's Dollars)	\$1,212,702
Total Net Worth Value at End Of Plan (Today's Dollars)	\$1,612,702
Probability Of Funding All Goals	100 %

### Definitions:

**Total Investment Value At Retirement (Today's Dollars):** The total amount of all combined investments (primary user + spouse/partner) at the retirement date of each person in the plan. This is shown in today's dollars by reducing the amount by the total inflation rate over the period. Note that this value was calculated using the static base case assumptions and does **not** use Monte Carlo analysis.

**Age Of First Shortfall:** The age of each person in the plan when expenses exceed all available income and investment principal. Note that this value was calculated using the static base case assumptions and does **not** use Monte Carlo analysis.

**Average Five Year Shortfall (Today's Dollars):** The average shortfall over five years, starting with the first shortfall. This is shown in today's dollars by reducing the amount by the total inflation rate over the period. Note that this value was calculated using the static base case assumptions and does **not** use Monte Carlo analysis.

**Average Ten Year Shortfall (Today's Dollars):** The average shortfall over ten years, starting with the first shortfall. This is shown in today's dollars by reducing the amount by the total inflation rate over the period. Note that this value was calculated using the static base case assumptions and does **not** use Monte Carlo analysis.

**Total Investment Value At End Of Plan (Today's Dollars):** The total amount of all combined investments (primary user + spouse/partner) on the later of the End Ages for the primary client and spouse/partner. This is shown in today's dollars by reducing the amount by the total inflation rate over the period. This number can be looked at two ways: 1) It is the buffer or cushion you have after meeting your retirement goals or 2) It is the amount you will leave your heirs at the end of your plan. Note that this value was calculated using the static base case assumptions and does **not** use Monte Carlo analysis.

**Total Net Worth At End Of Plan (Today's Dollars):** The total amount of all assets, which includes all investments and any other assets entered in the Net Worth Assets section, minus any liabilities left at the end of the plan. This is shown in today's dollars by reducing the amount by the total inflation rate over the period.

**Probability Of Funding All Goals:** This number is calculated by running 1,000 Monte Carlo simulations on all investment returns and taking the number of simulations where funds never run out divided by the total number of simulations.



## Additional Time Series Data

### Investments

Ages (End Of Planning Year)	Beginning Investment Balance	Ending Investment Balance	Contributions To Taxable And Tax -Advantaged Investments	Avg. Rate Of Return On Taxable And Tax -Advantaged Investments	Taxes On Taxable And Tax -Advantaged Investment Growth	Growth In Taxable And Tax -Advantaged Investments After Taxes	Expenses Paid From Taxable And Tax-Advantaged Growth	Taxes On Taxable And Tax -Advantaged Balance Withdrawals (Capital Gains Taxes)	Expenses Paid From Taxable And Tax-Advantaged Bal	Expenses Paid From Taxable/Tax-Advantaged	Taxable And Tax -Advantaged Bal After Expenses & Taxes	Contributions To Non-Qualified Investments	Avg. Rate Of Return On Non-Qualified Investments
61/61	595,122	610,300	27,756	5.21 %	3,485	21,149	21,149	2,598	25,166	46,315	473,163	0	0.00 %
62/62	595,414	609,279	27,518	5.22 %	3,432	20,656	20,656	2,840	26,666	47,322	459,635	0	0.00 %
63/63	594,418	606,873	27,286	5.23 %	3,363	20,083	20,083	3,101	28,272	48,355	444,338	0	0.00 %
64/64	592,071	650,808	27,060	5.24 %	3,277	19,425	5,000	0	0	5,000	474,985	0	0.00 %
65/65	634,935	1,207,678	26,839	5.31 %	3,408	21,204	0	0	0	0	1,018,156	0	0.00 %
66/66	1,178,222	1,219,663	26,623	5.26 %	4,698	47,564	47,564	2,086	28,348	75,912	1,016,019	0	0.00 %
67/67	1,189,915	1,221,633	0	5.26 %	5,317	46,852	46,852	722	8,369	55,222	1,011,426	0	0.00 %
68/68	1,191,837	1,223,117	0	5.26 %	5,378	46,493	46,493	797	8,981	55,475	1,006,107	0	0.00 %
69/69	1,193,285	1,224,114	0	5.25 %	5,431	46,102	46,102	876	9,619	55,721	1,000,049	0	0.00 %
70/70	1,194,257	1,205,153	0	5.66 %	5,367	49,855	49,855	2,466	27,866	77,722	974,180	0	0.00 %
71/71	1,175,759	1,209,092	0	5.66 %	5,305	48,488	48,488	675	7,454	55,942	970,999	0	0.00 %
72/72	1,179,602	1,210,907	0	5.66 %	5,774	47,845	47,845	173	1,694	49,538	973,951	0	0.00 %
73/73	1,181,373	1,212,215	0	5.66 %	5,893	47,888	47,888	178	1,693	49,582	976,678	0	0.00 %
74/74	1,182,649	1,189,604	0	5.66 %	6,010	47,922	47,922	1,588	23,692	71,614	955,781	0	0.00 %
75/75	1,160,589	1,233,948	0	5.66 %	7,472	45,306	3,450	0	0	3,450	1,002,153	0	0.00 %
76/76	1,203,852	1,234,365	0	5.66 %	6,372	48,967	48,967	0	694	49,660	1,004,925	0	0.00 %
77/77	1,204,259	1,234,261	0	5.66 %	6,486	49,005	49,005	0	655	49,661	1,007,523	0	0.00 %
78/78	1,204,158	1,211,628	0	5.66 %	6,599	49,036	49,036	0	22,614	71,650	987,954	0	0.00 %
79/79	1,182,076	1,209,967	0	5.66 %	6,546	48,008	48,008	0	1,643	49,651	989,691	0	0.00 %
80/80	1,180,456	1,212,749	0	5.66 %	6,648	48,002	44,621	0	0	44,621	996,268	0	0.00 %
81/81	1,183,170	1,215,099	0	5.66 %	6,774	48,240	44,626	0	0	44,626	1,002,775	0	0.00 %
82/82	1,185,462	1,195,010	0	5.66 %	6,899	48,474	48,474	0	18,150	66,625	987,218	0	0.00 %
83/83	1,165,864	1,195,972	0	5.66 %	6,864	47,650	44,603	0	0	44,603	993,099	0	0.00 %
84/84	1,166,802	1,196,471	0	5.66 %	6,980	47,858	44,591	0	0	44,591	998,918	0	0.00 %
85/85	1,167,289	1,196,500	0	5.66 %	7,095	48,065	44,574	0	0	44,574	1,004,681	0	0.00 %
86/86	1,167,317	1,174,051	0	5.66 %	7,208	48,270	48,270	0	18,282	66,552	988,392	0	0.00 %
87/87	1,145,415	1,172,637	0	5.66 %	7,154	47,424	44,579	0	0	44,579	993,493	0	0.00 %
88/88	1,144,036	1,170,744	0	5.66 %	7,256	47,604	44,621	0	0	44,621	998,472	0	0.00 %
89/89	1,142,189	1,168,366	0	5.66 %	7,356	47,780	44,666	0	0	44,666	1,003,326	0	0.00 %
90/90	1,139,870	1,176,340	0	5.66 %	7,453	47,951	33,875	0	0	33,875	1,018,890	0	0.00 %
91/91	1,147,648	1,184,058	0	5.66 %	7,635	48,628	33,939	0	0	33,939	1,034,554	0	0.00 %
92/92	1,155,178	1,191,549	0	5.66 %	7,814	49,313	34,098	0	0	34,098	1,050,231	0	0.00 %
93/93	1,162,487	1,198,818	0	5.66 %	7,993	50,000	34,271	0	0	34,271	1,065,909	0	0.00 %
94/94	1,169,578	1,205,867	0	5.66 %	8,172	50,687	34,459	0	0	34,459	1,081,573	0	0.00 %
95/95	1,176,456	1,212,702	0	5.66 %	8,350	51,374	34,665	0	0	34,665	1,097,208	0	0.00 %



## Additional Time Series Data

### Investments

Ages (End Of Planning Year)	Beginning Investment Balance	Growth In Non-Qualified Investments	Expenses Paid From Non-Qualified Growth	Expenses Paid From Non-Qualified Bal	Taxes On Non-Qualified Balance And Growth Withdrawals	Expenses Paid From Non-Qualified	Non-Qualified Bal After Expenses & Taxes	Contributions To Qualified Investments	Avg. Rate Of Return On Qualified Investments	Growth In Qualified Investments	Company Match For Qualified Investments	Required Minimum Distributions Before Taxes - John	Required Minimum Distributions Before Taxes - Jane
61/61	595,122	0	0	0	0	0	0	8,000	5.89 %	7,185	0	0	0
62/62	595,414	0	0	0	0	0	0	8,000	5.87 %	7,852	0	0	0
63/63	594,418	0	0	0	0	0	0	8,000	5.85 %	8,541	0	0	0
64/64	592,071	0	0	0	0	0	0	8,000	5.83 %	9,252	0	0	0
65/65	634,935	16,546	0	0	5,551	0	0	8,000	5.82 %	16,605	0	0	0
66/66	1,178,222	18,933	0	0	3,055	0	0	8,000	5.81 %	18,319	0	0	0
67/67	1,189,915	21,881	0	0	0	0	0	0	5.80 %	18,928	0	0	0
68/68	1,191,837	21,775	0	0	0	0	0	0	5.82 %	19,284	0	0	0
69/69	1,193,285	21,668	0	0	0	0	0	0	5.83 %	19,656	0	0	0
70/70	1,194,257	21,563	0	0	0	0	0	0	5.66 %	19,665	0	0	0
71/71	1,175,759	21,457	0	0	0	0	0	0	5.66 %	20,004	0	0	0
72/72	1,179,602	21,353	0	0	0	0	0	0	5.66 %	20,297	0	6,899	1,578
73/73	1,181,373	21,249	0	0	0	0	0	0	5.66 %	20,189	0	7,100	1,624
74/74	1,182,649	21,145	0	0	0	0	0	0	5.66 %	20,066	0	7,305	1,671
75/75	1,160,589	21,042	0	0	0	0	0	0	5.66 %	19,696	0	7,516	1,719
76/76	1,203,852	20,939	0	0	0	0	0	0	5.66 %	19,770	0	7,733	1,769
77/77	1,204,259	20,837	0	0	0	0	0	0	5.66 %	19,596	0	7,955	1,820
78/78	1,204,158	20,735	0	0	0	0	0	0	5.66 %	19,404	0	8,183	1,872
79/79	1,182,076	20,634	0	0	0	0	0	0	5.66 %	19,194	0	8,377	1,916
80/80	1,180,456	20,534	0	0	0	0	0	0	5.66 %	18,964	0	8,615	1,971
81/81	1,183,170	20,433	0	0	0	0	0	0	5.66 %	18,713	0	8,814	2,016
82/82	1,185,462	20,334	0	0	0	0	0	0	5.66 %	18,442	0	9,015	2,062
83/83	1,165,864	20,235	0	0	0	0	0	0	5.66 %	18,152	0	9,217	2,108
84/84	1,166,802	20,136	0	0	0	0	0	0	5.66 %	17,840	0	9,420	2,155
85/85	1,167,289	20,038	0	0	0	0	0	0	5.66 %	17,506	0	9,623	2,201
86/86	1,167,317	19,940	0	0	0	0	0	0	5.66 %	17,150	0	9,826	2,248
87/87	1,145,415	19,843	0	0	0	0	0	0	5.66 %	16,772	0	9,960	2,279
88/88	1,144,036	19,746	0	0	0	0	0	0	5.66 %	16,374	0	10,088	2,308
89/89	1,142,189	19,650	0	0	0	0	0	0	5.66 %	15,957	0	10,207	2,335
90/90	1,139,870	19,554	0	0	0	0	0	0	5.66 %	15,520	0	10,318	2,360
91/91	1,147,648	19,458	0	0	0	0	0	0	5.66 %	15,063	0	10,418	2,383
92/92	1,155,178	19,363	0	0	0	0	0	0	5.66 %	14,587	0	10,412	2,382
93/93	1,162,487	19,269	0	0	0	0	0	0	5.66 %	14,098	0	10,389	2,377
94/94	1,169,578	19,175	0	0	0	0	0	0	5.66 %	13,598	0	10,346	2,367
95/95	1,176,456	19,081	0	0	0	0	0	0	5.66 %	13,087	0	10,280	2,352





## Additional Time Series Data

### Investments

Ages (End Of Planning Year)	Beginning Investment Balance	Required Minimum Distributions Before Taxes	Taxes On Required Minimum Distributions	Expenses Paid From Required Minimum Distributions	Required Minimum Distributions After Expenses & Taxes Transferred to Taxable Accounts	Expenses Paid From Qualified Growth	Expenses Paid From Qualified Bal	Taxes On Voluntary Qualified Balance And Growth Withdrawals	Expenses Paid From Qualified	Qualified Bal After Expenses & Taxes	Avg. Rate Of Return On All Investments	Asset Management Fee (Percent)	Asset Management Fee (Dollars)
61/61	595,122	0	0	0	0	0	0	0	0	137,137	5.35 %	0.00 %	0
62/62	595,414	0	0	0	0	0	0	0	0	149,644	5.36 %	0.00 %	0
63/63	594,418	0	0	0	0	0	0	0	0	162,535	5.38 %	0.00 %	0
64/64	592,071	0	0	0	0	0	0	0	0	175,823	5.40 %	0.00 %	0
65/65	634,935	0	0	0	0	0	0	2,220	0	189,522	5.45 %	0.00 %	0
66/66	1,178,222	0	0	0	0	0	0	1,222	0	203,645	5.35 %	0.00 %	0
67/67	1,189,915	0	0	0	0	0	0	1,353	0	210,207	5.35 %	0.00 %	0
68/68	1,191,837	0	0	0	0	0	0	1,356	0	217,010	5.35 %	0.00 %	0
69/69	1,193,285	0	0	0	0	0	0	1,359	0	224,065	5.35 %	0.00 %	0
70/70	1,194,257	0	0	0	0	0	0	1,333	0	230,972	5.66 %	0.00 %	0
71/71	1,175,759	0	0	0	0	0	0	1,333	0	238,093	5.66 %	0.00 %	0
72/72	1,179,602	8,478	1,381	7,097	0	0	0	1,391	7,097	236,956	5.66 %	0.00 %	0
73/73	1,181,373	8,724	1,432	7,292	0	0	0	1,395	7,292	235,537	5.66 %	0.00 %	0
74/74	1,182,649	8,976	1,484	7,492	0	0	0	1,398	7,492	233,822	5.66 %	0.00 %	0
75/75	1,160,589	9,236	1,791	7,445	0	0	0	1,632	7,445	231,795	5.66 %	0.00 %	0
76/76	1,203,852	9,502	1,595	7,907	0	0	0	1,406	7,907	229,440	5.66 %	0.00 %	0
77/77	1,204,259	9,775	1,652	8,123	0	0	0	1,408	8,123	226,738	5.66 %	0.00 %	0
78/78	1,204,158	10,055	1,710	8,345	0	0	0	1,411	8,345	223,674	5.66 %	0.00 %	0
79/79	1,182,076	10,293	1,760	8,534	0	0	0	1,411	8,534	220,276	5.66 %	0.00 %	0
80/80	1,180,456	10,586	1,821	8,765	0	0	0	1,413	8,765	216,481	5.66 %	0.00 %	0
81/81	1,183,170	10,831	1,874	8,956	0	0	0	1,415	8,956	212,324	5.66 %	0.00 %	0
82/82	1,185,462	11,077	1,929	9,149	0	0	0	1,416	9,149	207,792	5.66 %	0.00 %	0
83/83	1,165,864	11,325	1,981	9,344	0	0	0	1,416	9,344	202,873	5.66 %	0.00 %	0
84/84	1,166,802	11,575	2,036	9,539	0	0	0	1,417	9,539	197,553	5.66 %	0.00 %	0
85/85	1,167,289	11,824	2,091	9,733	0	0	0	1,418	9,733	191,819	5.66 %	0.00 %	0
86/86	1,167,317	12,074	2,147	9,927	0	0	0	1,418	9,927	185,659	5.66 %	0.00 %	0
87/87	1,145,415	12,239	2,185	10,054	0	0	0	1,417	10,054	179,144	5.66 %	0.00 %	0
88/88	1,144,036	12,395	2,223	10,172	0	0	0	1,416	10,172	172,272	5.66 %	0.00 %	0
89/89	1,142,189	12,543	2,260	10,283	0	0	0	1,416	10,283	165,040	5.66 %	0.00 %	0
90/90	1,139,870	12,678	2,294	10,384	0	0	0	1,415	10,384	157,450	5.66 %	0.00 %	0
91/91	1,147,648	12,801	2,327	10,474	0	0	0	1,415	10,474	149,503	5.66 %	0.00 %	0
92/92	1,155,178	12,794	2,336	10,459	0	0	0	1,414	10,459	141,318	5.66 %	0.00 %	0
93/93	1,162,487	12,766	2,340	10,426	0	0	0	1,413	10,426	132,909	5.66 %	0.00 %	0
94/94	1,169,578	12,712	2,339	10,374	0	0	0	1,411	10,374	124,294	5.66 %	0.00 %	0
95/95	1,176,456	12,631	2,332	10,299	0	0	0	1,409	10,299	115,494	5.66 %	0.00 %	0



## Additional Time Series Data

### Annuities

Ages (End Of Planning Year)	Total Expenses	Taxes On Non-Qualified Guaranteed Annuity Income	Expenses Paid From Non-Qualified Guaranteed Annuity Income	Taxes On Qualified Guaranteed Annuity Income	Expenses Paid From Qualified Guaranteed Annuity Income
61/61	46,315	0	0	0	0
62/62	47,322	0	0	0	0
63/63	48,355	0	0	0	0
64/64	5,000	0	0	0	0
65/65	15,841	5,551	0	2,220	0
66/66	143,969	3,055	0	1,222	0
67/67	121,969	0	0	1,353	0
68/68	121,969	0	0	1,356	0
69/69	121,969	0	0	1,359	0
70/70	143,969	0	0	1,333	0
71/71	121,969	0	0	1,333	0
72/72	121,969	0	0	1,391	0
73/73	121,969	0	0	1,395	0
74/74	143,969	0	0	1,398	0
75/75	121,969	0	0	1,632	0
76/76	121,969	0	0	1,406	0
77/77	121,969	0	0	1,408	0
78/78	143,969	0	0	1,411	0
79/79	121,969	0	0	1,411	0
80/80	116,969	0	0	1,413	0
81/81	116,969	0	0	1,415	0
82/82	138,969	0	0	1,416	0
83/83	116,969	0	0	1,416	0
84/84	116,969	0	0	1,417	0
85/85	116,969	0	0	1,418	0
86/86	138,969	0	0	1,418	0
87/87	116,969	0	0	1,417	0
88/88	116,969	0	0	1,416	0
89/89	116,969	0	0	1,416	0
90/90	106,128	0	0	1,415	0
91/91	106,128	0	0	1,415	0
92/92	106,128	0	0	1,414	0
93/93	106,128	0	0	1,413	0
94/94	106,128	0	0	1,411	0
95/95	106,128	0	0	1,409	0



## Additional Time Series Data

### How Expenses Are Funded

Ages (End Of Planning Year)	Total Expenses	Expenses Paid From Salary & Additional Cash Inflows	Expenses Paid From Social Security Payments	Expenses Paid From Pension Payments	Expenses Paid From Taxable And Tax-Advantaged Growth	Expenses Paid From Taxable And Tax-Advantaged Bal	Expenses Paid From Taxable/Tax-Advantaged	Expenses Paid From Non-Qualified Growth	Expenses Paid From Non-Qualified Bal	Expenses Paid From Non-Qualified	Expenses Paid From Required Minimum Distributions	Expenses Paid From Qualified Growth	Expenses Paid From Qualified Bal
61/61	46,315	0	0	0	21,149	25,166	46,315	0	0	0	0	0	0
62/62	47,322	0	0	0	20,656	26,666	47,322	0	0	0	0	0	0
63/63	48,355	0	0	0	20,083	28,272	48,355	0	0	0	0	0	0
64/64	5,000	0	0	0	5,000	0	5,000	0	0	0	0	0	0
65/65	15,841	0	8,431	7,410	0	0	0	0	0	0	0	0	0
66/66	143,969	25,832	34,801	7,425	47,564	28,348	75,912	0	0	0	0	0	0
67/67	121,969	25,361	34,275	7,112	46,852	8,369	55,222	0	0	0	0	0	0
68/68	121,969	25,328	34,237	6,929	46,493	8,981	55,475	0	0	0	0	0	0
69/69	121,969	25,296	34,201	6,752	46,102	9,619	55,721	0	0	0	0	0	0
70/70	143,969	25,364	34,278	6,605	49,855	27,866	77,722	0	0	0	0	0	0
71/71	121,969	25,339	34,250	6,437	48,488	7,454	55,942	0	0	0	0	0	0
72/72	121,969	25,113	33,997	6,224	47,845	1,694	49,538	0	0	0	7,097	0	0
73/73	121,969	25,076	33,955	6,064	47,888	1,693	49,582	0	0	0	7,292	0	0
74/74	143,969	25,040	33,915	5,907	47,922	23,692	71,614	0	0	0	7,492	0	0
75/75	121,969	72,551	32,958	5,566	3,450	0	3,450	0	0	0	7,445	0	0
76/76	121,969	24,965	33,831	5,606	48,967	694	49,660	0	0	0	7,907	0	0
77/77	121,969	24,931	33,793	5,461	49,005	655	49,661	0	0	0	8,123	0	0
78/78	143,969	24,897	33,755	5,321	49,036	22,614	71,650	0	0	0	8,345	0	0
79/79	121,969	24,871	33,726	5,186	48,008	1,643	49,651	0	0	0	8,534	0	0
80/80	116,969	24,839	33,691	5,053	44,621	0	44,621	0	0	0	8,765	0	0
81/81	116,969	24,808	33,655	4,923	44,626	0	44,626	0	0	0	8,956	0	0
82/82	138,969	24,777	33,621	4,797	48,474	18,150	66,625	0	0	0	9,149	0	0
83/83	116,969	24,752	33,594	4,676	44,603	0	44,603	0	0	0	9,344	0	0
84/84	116,969	24,723	33,560	4,556	44,591	0	44,591	0	0	0	9,539	0	0
85/85	116,969	24,694	33,528	4,440	44,574	0	44,574	0	0	0	9,733	0	0
86/86	138,969	24,666	33,497	4,327	48,270	18,282	66,552	0	0	0	9,927	0	0
87/87	116,969	24,645	33,473	4,218	44,579	0	44,579	0	0	0	10,054	0	0
88/88	116,969	24,620	33,445	4,111	44,621	0	44,621	0	0	0	10,172	0	0
89/89	116,969	24,595	33,418	4,006	44,666	0	44,666	0	0	0	10,283	0	0
90/90	106,128	24,572	33,392	3,905	33,875	0	33,875	0	0	0	10,384	0	0
91/91	106,128	24,546	33,363	3,806	33,939	0	33,939	0	0	0	10,474	0	0
92/92	106,128	24,524	33,338	3,709	34,098	0	34,098	0	0	0	10,459	0	0
93/93	106,128	24,502	33,313	3,616	34,271	0	34,271	0	0	0	10,426	0	0
94/94	106,128	24,481	33,290	3,524	34,459	0	34,459	0	0	0	10,374	0	0
95/95	106,128	24,461	33,268	3,436	34,665	0	34,665	0	0	0	10,299	0	0



## Additional Time Series Data

### How Expenses Are Funded

Ages (End Of Planning Year)	Total Expenses	Expenses Paid From Qualified
61/61	46,315	0
62/62	47,322	0
63/63	48,355	0
64/64	5,000	0
65/65	15,841	0
66/66	143,969	0
67/67	121,969	0
68/68	121,969	0
69/69	121,969	0
70/70	143,969	0
71/71	121,969	0
72/72	121,969	7,097
73/73	121,969	7,292
74/74	143,969	7,492
75/75	121,969	7,445
76/76	121,969	7,907
77/77	121,969	8,123
78/78	143,969	8,345
79/79	121,969	8,534
80/80	116,969	8,765
81/81	116,969	8,956
82/82	138,969	9,149
83/83	116,969	9,344
84/84	116,969	9,539
85/85	116,969	9,733
86/86	138,969	9,927
87/87	116,969	10,054
88/88	116,969	10,172
89/89	116,969	10,283
90/90	106,128	10,384
91/91	106,128	10,474
92/92	106,128	10,459
93/93	106,128	10,426
94/94	106,128	10,374
95/95	106,128	10,299



## Additional Time Series Data

### Cash Inflows

Ages (End Of Planning Year)	Additional Cash Inflow After Taxes- Sale of Home	Additional Cash Inflow After Taxes- Gift	Additional Cash Inflow After Taxes- Inheritance	Additional Cash Inflow After Taxes- Part Time Job	Taxes On Additional Cash Inflows	Total Additional Cash Inflows After Taxes	Total Additional Cash Inflows After Taxes And Expenses	Expenses Paid From Salary & Additional Cash Inflows	Expenses & Taxes Paid From Salary & Additional Cash Inflows
61/61	0	0	0	0	0	0	0	0	0
62/62	0	0	0	0	0	0	0	0	0
63/63	0	0	0	0	0	0	0	0	0
64/64	0	0	0	0	0	0	0	0	0
65/65	473,119	0	0	0	0	473,119	473,119	0	0
66/66	0	0	0	25,832	4,168	25,832	0	25,832	30,000
67/67	0	0	0	25,361	4,639	25,361	0	25,361	30,000
68/68	0	0	0	25,328	4,672	25,328	0	25,328	30,000
69/69	0	0	0	25,296	4,704	25,296	0	25,296	30,000
70/70	0	0	0	25,364	4,636	25,364	0	25,364	30,000
71/71	0	0	0	25,339	4,661	25,339	0	25,339	30,000
72/72	0	0	0	25,113	4,887	25,113	0	25,113	30,000
73/73	0	0	0	25,076	4,924	25,076	0	25,076	30,000
74/74	0	0	0	25,040	4,960	25,040	0	25,040	30,000
75/75	0	8,061	40,306	24,184	17,449	72,551	0	72,551	90,000
76/76	0	0	0	24,965	5,035	24,965	0	24,965	30,000
77/77	0	0	0	24,931	5,069	24,931	0	24,931	30,000
78/78	0	0	0	24,897	5,103	24,897	0	24,897	30,000
79/79	0	0	0	24,871	5,129	24,871	0	24,871	30,000
80/80	0	0	0	24,839	5,161	24,839	0	24,839	30,000
81/81	0	0	0	24,808	5,192	24,808	0	24,808	30,000
82/82	0	0	0	24,777	5,223	24,777	0	24,777	30,000
83/83	0	0	0	24,752	5,248	24,752	0	24,752	30,000
84/84	0	0	0	24,723	5,277	24,723	0	24,723	30,000
85/85	0	0	0	24,694	5,306	24,694	0	24,694	30,000
86/86	0	0	0	24,666	5,334	24,666	0	24,666	30,000
87/87	0	0	0	24,645	5,355	24,645	0	24,645	30,000
88/88	0	0	0	24,620	5,380	24,620	0	24,620	30,000
89/89	0	0	0	24,595	5,405	24,595	0	24,595	30,000
90/90	0	0	0	24,572	5,428	24,572	0	24,572	30,000
91/91	0	0	0	24,546	5,454	24,546	0	24,546	30,000
92/92	0	0	0	24,524	5,476	24,524	0	24,524	30,000
93/93	0	0	0	24,502	5,498	24,502	0	24,502	30,000
94/94	0	0	0	24,481	5,519	24,481	0	24,481	30,000
95/95	0	0	0	24,461	5,539	24,461	0	24,461	30,000



## Additional Time Series Data

### Taxes

Ages (End Of Planning Year)	Taxes On Additional Cash Inflows	Taxes On Social Security	Taxes On Pensions	Taxes On Taxable And Tax- Advantaged Investment Growth	Taxes On Taxable And Tax- Advantaged Balance Withdrawals (Capital Gains Taxes)	Taxes On Non- Qualified Balance And Growth Withdrawals	Taxes On Required Minimum Distributions	Taxes On Voluntary Qualified Balance And Growth Withdrawals	Total Taxes Paid	Effective Federal Income Tax Rate	Effective State Income Tax Rate
61/61	0	0	0	3,485	2,598	0	0	0	29,126	12.4	4.0
62/62	0	0	0	3,432	2,840	0	0	0	29,654	12.5	4.0
63/63	0	0	0	3,363	3,101	0	0	0	30,180	12.7	4.0
64/64	0	0	0	3,277	0	0	0	0	27,323	12.8	4.0
65/65	0	3,004	1,429	3,408	0	5,551	0	2,220	27,205	12.2	4.0
66/66	4,168	4,660	1,198	4,698	2,086	3,055	0	1,222	21,088	10.9	3.0
67/67	4,639	5,186	1,301	5,317	722	0	0	1,353	18,519	12.5	3.0
68/68	4,672	5,224	1,278	5,378	797	0	0	1,356	18,705	12.6	3.0
69/69	4,704	5,260	1,256	5,431	876	0	0	1,359	18,887	12.7	3.0
70/70	4,636	5,183	1,207	5,367	2,466	0	0	1,333	20,191	12.5	3.0
71/71	4,661	5,211	1,184	5,305	675	0	0	1,333	18,369	12.5	3.0
72/72	4,887	5,464	1,211	5,774	173	0	1,381	1,391	20,281	13.3	3.0
73/73	4,924	5,505	1,191	5,893	178	0	1,432	1,395	20,517	13.4	3.0
74/74	4,960	5,545	1,170	6,010	1,588	0	1,484	1,398	22,155	13.5	3.0
75/75	17,449	6,503	1,339	7,472	0	0	1,791	1,632	36,185	16.4	3.0
76/76	5,035	5,630	1,131	6,372	0	0	1,595	1,406	21,167	13.8	3.0
77/77	5,069	5,668	1,110	6,486	0	0	1,652	1,408	21,394	13.9	3.0
78/78	5,103	5,705	1,091	6,599	0	0	1,710	1,411	21,618	14.0	3.0
79/79	5,129	5,734	1,069	6,546	0	0	1,760	1,411	21,649	14.1	3.0
80/80	5,161	5,770	1,050	6,648	0	0	1,821	1,413	21,862	14.2	3.0
81/81	5,192	5,805	1,030	6,774	0	0	1,874	1,415	22,091	14.3	3.0
82/82	5,223	5,839	1,011	6,899	0	0	1,929	1,416	22,317	14.4	3.0
83/83	5,248	5,867	991	6,864	0	0	1,981	1,416	22,367	14.5	3.0
84/84	5,277	5,900	973	6,980	0	0	2,036	1,417	22,583	14.6	3.0
85/85	5,306	5,932	954	7,095	0	0	2,091	1,418	22,796	14.7	3.0
86/86	5,334	5,964	936	7,208	0	0	2,147	1,418	23,006	14.8	3.0
87/87	5,355	5,987	916	7,154	0	0	2,185	1,417	23,014	14.8	3.0
88/88	5,380	6,015	898	7,256	0	0	2,223	1,416	23,189	14.9	3.0
89/89	5,405	6,043	880	7,356	0	0	2,260	1,416	23,359	15.0	3.0
90/90	5,428	6,069	863	7,453	0	0	2,294	1,415	23,522	15.1	3.0
91/91	5,454	6,097	846	7,635	0	0	2,327	1,415	23,773	15.2	3.0
92/92	5,476	6,123	828	7,814	0	0	2,336	1,414	23,991	15.3	3.0
93/93	5,498	6,147	811	7,993	0	0	2,340	1,413	24,202	15.3	3.0
94/94	5,519	6,171	795	8,172	0	0	2,339	1,411	24,406	15.4	3.0
95/95	5,539	6,193	778	8,350	0	0	2,332	1,409	24,601	15.5	3.0



## Additional Time Series Data

### Expenses

Ages (End Of Planning Year)	Living Expenses In Retirement	Additional Expense-Purchase Second Home	Additional Expense-Long-Term Care Ins	Additional Expense-College	Additional Expense-New Car	Additional Expense-Vacation	Total Expenses	Total Expenses Plus Taxes (In Retirement)
61/61		0	5,000	41,315	0	0	46,315	
62/62		0	5,000	42,322	0	0	47,322	
63/63		0	5,000	43,355	0	0	48,355	
64/64		0	5,000	0	0	0	5,000	
65/65		0	5,000	0	0	10,841	15,841	
66/66	106,128	0	5,000	0	22,000	10,841	143,969	165,057
67/67	106,128	0	5,000	0	0	10,841	121,969	140,488
68/68	106,128	0	5,000	0	0	10,841	121,969	140,674
69/69	106,128	0	5,000	0	0	10,841	121,969	140,856
70/70	106,128	0	5,000	0	22,000	10,841	143,969	164,160
71/71	106,128	0	5,000	0	0	10,841	121,969	140,338
72/72	106,128	0	5,000	0	0	10,841	121,969	142,250
73/73	106,128	0	5,000	0	0	10,841	121,969	142,486
74/74	106,128	0	5,000	0	22,000	10,841	143,969	166,124
75/75	106,128	0	5,000	0	0	10,841	121,969	158,154
76/76	106,128	0	5,000	0	0	10,841	121,969	143,136
77/77	106,128	0	5,000	0	0	10,841	121,969	143,363
78/78	106,128	0	5,000	0	22,000	10,841	143,969	165,587
79/79	106,128	0	5,000	0	0	10,841	121,969	143,618
80/80	106,128	0	0	0	0	10,841	116,969	138,831
81/81	106,128	0	0	0	0	10,841	116,969	139,060
82/82	106,128	0	0	0	22,000	10,841	138,969	161,286
83/83	106,128	0	0	0	0	10,841	116,969	139,336
84/84	106,128	0	0	0	0	10,841	116,969	139,552
85/85	106,128	0	0	0	0	10,841	116,969	139,765
86/86	106,128	0	0	0	22,000	10,841	138,969	161,975
87/87	106,128	0	0	0	0	10,841	116,969	139,983
88/88	106,128	0	0	0	0	10,841	116,969	140,158
89/89	106,128	0	0	0	0	10,841	116,969	140,328
90/90	106,128	0	0	0	0	0	106,128	129,650
91/91	106,128	0	0	0	0	0	106,128	129,901
92/92	106,128	0	0	0	0	0	106,128	130,119
93/93	106,128	0	0	0	0	0	106,128	130,330
94/94	106,128	0	0	0	0	0	106,128	130,534
95/95	106,128	0	0	0	0	0	106,128	130,729



## Additional Time Series Data

### Pensions & Social Security

Ages (End Of Planning Year)	Percent Of Social Security That Is Taxable	Social Security Before Taxes And Expenses - John Doe Demo Base	Social Security Before Taxes And Expenses - Jane Doe Demo Base	Taxes On Social Security	Social Security After Taxes	Expenses Paid From Social Security Payments	Expenses & Taxes Paid From Social Security Payments	Social Security After Expenses And Taxes	Pension Before Taxes And Expenses - John Doe Demo Base	Taxes On Pensions	Pensions After Taxes	Expenses Paid From Pension Payments	Expenses & Taxes Paid From Pension Payments	Pensions After Expenses And Taxes
61/61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62/62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63/63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64/64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65/65	85	12,030	9,836	3,004	18,862	8,431	11,435	10,431	8,839	1,429	7,410	7,410	8,839	0
66/66	85	24,461	15,000	4,660	34,801	34,801	39,461	0	8,623	1,198	7,425	7,425	8,623	0
67/67	85	24,461	15,000	5,186	34,275	34,275	39,461	0	8,413	1,301	7,112	7,112	8,413	0
68/68	85	24,461	15,000	5,224	34,237	34,237	39,460	0	8,207	1,278	6,929	6,929	8,207	0
69/69	85	24,461	15,000	5,260	34,201	34,201	39,461	0	8,007	1,256	6,752	6,752	8,007	0
70/70	85	24,461	15,000	5,183	34,278	34,278	39,461	0	7,812	1,207	6,605	6,605	7,812	0
71/71	85	24,461	15,000	5,211	34,250	34,250	39,460	0	7,621	1,184	6,437	6,437	7,621	0
72/72	85	24,461	15,000	5,464	33,997	33,997	39,461	0	7,436	1,211	6,224	6,224	7,436	0
73/73	85	24,461	15,000	5,505	33,955	33,955	39,460	0	7,254	1,191	6,064	6,064	7,254	0
74/74	85	24,461	15,000	5,545	33,915	33,915	39,461	0	7,077	1,170	5,907	5,907	7,077	0
75/75	85	24,461	15,000	6,503	32,958	32,958	39,461	0	6,905	1,339	5,566	5,566	6,905	0
76/76	85	24,461	15,000	5,630	33,831	33,831	39,461	0	6,736	1,131	5,606	5,606	6,736	0
77/77	85	24,461	15,000	5,668	33,793	33,793	39,461	0	6,572	1,110	5,461	5,461	6,572	0
78/78	85	24,461	15,000	5,705	33,755	33,755	39,460	0	6,412	1,091	5,321	5,321	6,412	0
79/79	85	24,461	15,000	5,734	33,726	33,726	39,460	0	6,255	1,069	5,186	5,186	6,255	0
80/80	85	24,461	15,000	5,770	33,691	33,691	39,461	0	6,103	1,050	5,053	5,053	6,103	0
81/81	85	24,461	15,000	5,805	33,655	33,655	39,460	0	5,954	1,030	4,923	4,923	5,954	0
82/82	85	24,461	15,000	5,839	33,621	33,621	39,460	0	5,809	1,011	4,797	4,797	5,809	0
83/83	85	24,461	15,000	5,867	33,594	33,594	39,461	0	5,667	991	4,676	4,676	5,667	0
84/84	85	24,461	15,000	5,900	33,560	33,560	39,460	0	5,529	973	4,556	4,556	5,529	0
85/85	85	24,461	15,000	5,932	33,528	33,528	39,461	0	5,394	954	4,440	4,440	5,394	0
86/86	85	24,461	15,000	5,964	33,497	33,497	39,461	0	5,262	936	4,327	4,327	5,262	0
87/87	85	24,461	15,000	5,987	33,473	33,473	39,461	0	5,134	916	4,218	4,218	5,134	0
88/88	85	24,461	15,000	6,015	33,445	33,445	39,460	0	5,009	898	4,111	4,111	5,009	0
89/89	85	24,461	15,000	6,043	33,418	33,418	39,461	0	4,887	880	4,006	4,006	4,887	0
90/90	85	24,461	15,000	6,069	33,392	33,392	39,461	0	4,767	863	3,905	3,905	4,767	0
91/91	85	24,461	15,000	6,097	33,363	33,363	39,460	0	4,651	846	3,806	3,806	4,651	0
92/92	85	24,461	15,000	6,123	33,338	33,338	39,461	0	4,538	828	3,709	3,709	4,538	0
93/93	85	24,461	15,000	6,147	33,313	33,313	39,460	0	4,427	811	3,616	3,616	4,427	0
94/94	85	24,461	15,000	6,171	33,290	33,290	39,460	0	4,319	795	3,524	3,524	4,319	0
95/95	85	24,461	15,000	6,193	33,268	33,268	39,461	0	4,214	778	3,436	3,436	4,214	0





## Additional Time Series Data

### Income Vs Expenses

Ages (End Of Planning Year)	Total Expenses Plus Taxes	Gross Income Minus Expenses & Taxes	Cumulative Gross Income Minus Expenses & Taxes Surplus Or Shortfall
66/66	165,057	6,818	6,818
67/67	140,488	31,718	38,536
68/68	140,674	31,280	69,816
69/69	140,856	30,829	100,645
70/70	164,160	10,895	111,540
71/71	140,338	33,333	144,873
72/72	142,250	31,305	176,178
73/73	142,486	30,843	207,021
74/74	166,124	6,955	213,976
75/75	158,154	73,359	287,335
76/76	143,136	30,513	317,848
77/77	143,363	30,003	347,851
78/78	165,587	7,470	355,321
79/79	143,618	27,891	383,212
80/80	138,831	32,293	415,505
81/81	139,060	31,929	447,434
82/82	161,286	9,548	456,982
83/83	139,336	30,108	487,090
84/84	139,552	29,669	516,759
85/85	139,765	29,211	545,970
86/86	161,975	6,734	552,704
87/87	139,983	27,222	579,926
88/88	140,158	26,708	606,634
89/89	140,328	26,177	632,811
90/90	129,650	36,470	669,281
91/91	129,901	36,409	705,690
92/92	130,119	36,371	742,061
93/93	130,330	36,331	778,392
94/94	130,534	36,289	814,681
95/95	130,729	36,246	850,927



## Time Series Data

### Net Worth Over Time

Dates	True Ages (End Of Planning Year)	Ages (End Of Planning Year)	Investment Assets	Asset: Home	Liability: Mortgage	Asset: Business	Total Assets	Total Liabilities	Net Worth	Net Worth Today
9/24/2020		61/61	715,909	400,000	172,821	500,000	1,615,909	172,821	1,443,088	1,310,000
9/24/2021		62/62	720,814	400,000	147,231	500,000	1,620,814	147,231	1,473,582	
9/24/2022		63/63	724,666	400,000	121,501	500,000	1,624,666	121,501	1,503,165	
9/24/2023		64/64	775,211	400,000	95,605	500,000	1,675,211	95,605	1,579,606	
9/24/2024		65/65	1,308,127	400,000	69,521	500,000	2,208,127	69,521	2,138,606	
9/24/2025		66/66	1,294,935	400,000	43,223	500,000	2,194,935	43,223	2,151,712	
9/24/2026		67/67	1,270,432	400,000	16,686	500,000	2,170,432	16,686	2,153,746	
9/24/2027		68/68	1,261,039	400,000	0	500,000	2,161,039	0	2,161,039	
9/24/2028		69/69	1,255,403	400,000	0	500,000	2,155,403	0	2,155,403	
9/24/2029		70/70	1,228,781	400,000	0	0	1,628,781	0	1,628,781	
9/24/2030		71/71	1,224,866	400,000	0	0	1,624,866	0	1,624,866	
9/24/2031		72/72	1,218,626	400,000	0	0	1,618,626	0	1,618,626	
9/24/2032		73/73	1,212,215	400,000	0	0	1,612,215	0	1,612,215	
9/24/2033		74/74	1,189,604	400,000	0	0	1,589,604	0	1,589,604	
9/24/2034		75/75	1,233,948	400,000	0	0	1,633,948	0	1,633,948	
9/24/2035		76/76	1,234,365	400,000	0	0	1,634,365	0	1,634,365	
9/24/2036		77/77	1,234,261	400,000	0	0	1,634,261	0	1,634,261	
9/24/2037		78/78	1,211,628	400,000	0	0	1,611,628	0	1,611,628	
9/24/2038		79/79	1,209,967	400,000	0	0	1,609,967	0	1,609,967	
9/24/2039		80/80	1,212,749	400,000	0	0	1,612,749	0	1,612,749	
9/24/2040		81/81	1,215,099	400,000	0	0	1,615,099	0	1,615,099	
9/24/2041		82/82	1,195,010	400,000	0	0	1,595,010	0	1,595,010	
9/24/2042		83/83	1,195,972	400,000	0	0	1,595,972	0	1,595,972	
9/24/2043		84/84	1,196,471	400,000	0	0	1,596,471	0	1,596,471	
9/24/2044		85/85	1,196,500	400,000	0	0	1,596,500	0	1,596,500	
9/24/2045		86/86	1,174,051	400,000	0	0	1,574,051	0	1,574,051	
9/24/2046		87/87	1,172,637	400,000	0	0	1,572,637	0	1,572,637	
9/24/2047		88/88	1,170,744	400,000	0	0	1,570,744	0	1,570,744	
9/24/2048		89/89	1,168,366	400,000	0	0	1,568,366	0	1,568,366	
9/24/2049		90/90	1,176,340	400,000	0	0	1,576,340	0	1,576,340	
9/24/2050		91/91	1,184,058	400,000	0	0	1,584,058	0	1,584,058	
9/24/2051		92/92	1,191,549	400,000	0	0	1,591,549	0	1,591,549	
9/24/2052		93/93	1,198,818	400,000	0	0	1,598,818	0	1,598,818	
9/24/2053		94/94	1,205,867	400,000	0	0	1,605,867	0	1,605,867	
9/24/2054		95/95	1,212,702	400,000	0	0	1,612,702	0	1,612,702	