WHAT'S MY NUMBER? How can I best plan to save for retirement?

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Ancient Chinese Proverb

Questions for Getting Started



- How much do I need to retire?
- How do I get to my ideal retirement number?
- How do I make it last my lifetime?

How Much Do You Need to Retire?



Recent surveys indicate most people desire

70% to 80%

of their pre-retirement income to maintain their lifestyle.

Wall Street Journal – <u>https://www.wsj.com/articles/beyond-the-70-80-rule-how-much-do-you-really-need-in-retirement-1521732162</u>

Where to Begin

How do I get to my number and how do I make it last?

- Seek a professional
- Gather your data
- Organize and analyze
- Know your goals and build the plan
- Execute the plan and monitor/update regularly

So How Do I Calculate My Number?

Denise ASSUMPTIONS



- 40 years old
- 25 years to retirement
- \$100,000 annual salary
- 100% of current income needed in retirement



 Future value of Denise's salary (from Step 1).
 3.
 \$209,000

 X
 X

 Multiply it by the percentage of current income
 4.
 100 %

 Denise expects to need in retirement (typically between 70-80%).
 =

 Estimated value of annual income Denise needs in retirement.
 \$ 209,000

Approximately how much will Social Security cover?

Current Salary	40	35	30	25	20	15	10	5
\$20,000	29,500	27,000	25,000	22,500	22,5 00	19,000	17,500	16,000
\$30,000	32,500	30,000	27,500	25,000	22,5 00	21,000	19,000	17,500
\$40,000	35,500	32,500	30,000	27,000	25,000	23,000	21,000	19,000
\$50,000	38,500	35,500	32,500	29,500	27,000	25,000	22,500	21,000
\$60,000	41,500	38,000	35,000	32,000	29,000	26,5 00	24,500	22,500
\$70,000	44,500	41,000	37,500	34,000	31,000	28,500	26,000	24,000
\$80,000	47,500	43,500	40,000	36,500	33,500	30,500	28,000	25,500
\$90,000	50,500	46,5 00	42,500	39,000	35,500	32,500	29,500	27,500
\$97,500 +	53,000	48,5 00	44,5 00	40,500	37,000	34,000	31,000	28,500

Years to Retirement

Source: Standard & Poor's Financial Communications

\$40,500

5.

Assumes 3% annual inflation and a 5% annual return.

Denise's Social Security income.

Subtract estimated Social Security benefit from the annual amount calculated in Step 2.



How much does Denise need in savings to have enough for her retirement? (assuming retirement age of 65)





Retirement Variables

- Life Expectancy
- Inflation

• Time to and time in retirement

- Lifestyle
- Debt
- Income Sources
- Investment Choices

✓ Things you can control

✓ Things you can plan for

Things You Can Plan For

Retirement Variables

✓ Life Expectancy

- Inflation
- Time *to* and time *in* retirement
- Lifestyle
- Debt
- Income Sources
- Investment Choices

Life Expectancy



Female children born in 1950 have a life expectancy of around 80 years, if they reach age 65.

Female children born in 2015 have a life expectancy of around 86 years, if they reach age 65.

Retirement Variables



✓ Inflation

- Time *to* and time *in* retirement
- Lifestyle
- Debt
- Income Sources
- Investment Choices

Impact of Inflation

The cost of most items increases year after year.

Even in the low inflationary environment of the past 10 years, **\$100** in 2008 only buys you **\$85** worth of goods or services today.



U.S. average CPI - <u>https://www.inflation.eu/inflation-rates/united-states/historic-inflation/cpi-inflation-united-states.aspx</u>

Things You Can Control

Retirement Variables



• Investment Choices

How Long Will You Be Retired?

If you retire at age 65 and your life expectancy is to age 85, you will have... **20** Years in retirement on average

Retirement Variables

- ✓ Life Expectancy
- ✓ Inflation
- ✓ Time <u>*in*</u> and time *to* retirement

✓ Lifestyle

- Debt
- Income Sources
- Investment Choices

Your Retirement Lifestyle

Will you be spending more or less money when you retire?

Some people may spend more (initially) upon retirement.

- Travel
- More spare time to spend
- Healthcare costs
 - Paying healthcare premiums
 - Greater medical needs
 - Rising healthcare costs

Retirement Variables

- ✓ Life Expectancy
- ✓ Inflation
- ✓ Time <u>*in*</u> and time <u>*to*</u> retirement
- ✓ Lifestyle



- Income Sources
- Investment Choices

How Prevalent is Debt in Retirement?



U.S. household debt went up six-fold from 2011 to 2016.¹ 39% of 65- to 74-year-olds hold mortgage debt.¹ That's double the rate of those in 1992, meaning more retirees are violating the golden rule of paying off mortgage debt by retirement.



Student loan debt has become senior debt.

- Student debt held by people age 60 & over has increased state by state since 2012.
 In 6 states, the rate more than doubled.²
- Nearly 80% of parents give financial support to adult children, to the tune of \$500 billion a year or two times what parents put into retirement accounts.³
- A larger share of 25 to 35 year olds are moving back in with parents than in past generations⁴

¹According to EBRI employee Benefit Research Institute.

²According to Barron's.

³According to 2018 Bank of America, ML and Age Wave survey

4 According to Pew Research Report



Debt Reduction Strategies



Other Debt Reduction Ideas



- Make half mortgage payments every two weeks as opposed to once a month.
- Tax refund? Bonus? Apply to mortgage principal.
- Reduce expenses: Do you still need two cars? Negotiate internet and cell phone and satellite radio subscriptions. Don't auto renew.
- Review your insurance needs. Still need life insurance? Increase deductibles on auto and homeowners? Talk to an insurance professional.
- Set boundaries with adult children.

Retirement Variables

- ✓ Life Expectancy
- ✓ Inflation
- ✓ Time *in* and time *to* retirement
- ✓ Lifestyle
- ✓ Debt



• Investment Choices

Retirement Income Sources

Where could the retirement income come from?

- Income from Retirement Accounts
 - Mandatory distributions age 70.5
- Pensions
 - Lump sum payout and/or monthly annuity payments
- Securities Portfolio Investment Incomes
- Social Security Benefits for those who meet qualifications

Managing retirement income starts with knowing what your sources of income will be—from Social Security to an employer-sponsored retirement savings account like a 401(k)—and the rules that govern each income source. What is listed here should not be considered all-inclusive. Please consult a financial professional to discuss your situation.

Social Security

When do you take it?

Delay it as long as you can.

Social Security Benefits Change Based on the Age you Elect



100% at age 67 if you were born in 1960 or later. Data as of 9/9/2019. Social Security Administration - <u>www.ssa.gov/planners/retire/delayret.html</u>

Retirement Variables

- ✓ Life Expectancy
- ✓ Inflation
- ✓ Time <u>*in*</u> and time <u>*to*</u> retirement
- ✓ Lifestyle
- ✓ Debt
- ✓ Income Sources



Growth of \$1 After Inflation



Stocks: Inflation adjusted total stock market returns, 1802-1871 from G. William Schwert, "Indexes of United States Stocks Prices from 1802 to 1987", 1871-1962 from Cowles indexes as reprinted in Robert Shiller, Market Volatility, 1962-2018 taken from CRSP Total Market Index. Bonds: Long-term after-inflation bond Index 1802-2011, Inflation Adjusted Bloomberg Barclays Long-Term Treasury Index 2012-2018. T-Bills: Inflation Adjusted 90-Day Government Bill Rate. Gold: Inflation Adjusted Index of Real Gold Prices. Inflation: U.S. Consumer Price Index. Indexes are shown for illustrative purposes only. It is not possible to invest directly in an index. Source: Copyright © 2012 by JeremySiegel.com Information through 2011 from Jeremysiegel.com. Returns from 2012-2018, Haverford Trust Company, Factset, CRSP, Barclays. Past performance is no guarantee of future results. As of 12/31/2018, OS007

How Do I Make It Last?

INVESTMENT STYLE & WITHDRAWAL FLEXIBILITY



Investment returns (including but not limited to S&P 500 Stock Index and/or U.S. 10-year Government Bond Index historical returns) were run using a traditional Monte Carlo simulator; all withdrawal amounts are adjusted for inflation. The Monte Carlo simulation is a non-linear statistical method that, based on random sampling of historical stock, bond and cash returns, allows for the assignment of probabilities to various outcomes. All values expressed in today's dollars as of 7/30/18.

Applying These Lessons

CASE STUDY #1 DAVID AND JAYNE

Case Study #1



David	Jayne				
45 years old	44 years old				

Today, David and Jayne have approximately:

- \$400,000 in investment assets
- \$200,000 in annual income
- \$125,000 in annual expenses

We will assume they both live until age 95.

Can David retire in 20 years and Jayne in 21 years when they turn 65 and still live the lifestyle they currently enjoy?

Income at Retirement



Assuming a life expectancy of age 95

Information presented is for illustrative purposes only.

FUNDING RETIREMENT CASE STUDY #1

David & Jayne currently have 3 projected unfunded years during retirement which results in a cumulative shortfall of **\$462,000**.

Information presented is for illustrative purposes only.

Option #1 SAVE MORE BEFORE YOU RETIRE



Save an additional **\$220** per month or **\$2,640** per year through 2037

Information presented is for illustrative purposes only.

Option #2 RETIRE LATER



Delaying retirement by 2 years (*David*) and 1 year (*Jayne*) will allow more time to save and for their assets to grow

Information presented is for illustrative purposes only.

Option #3 SPEND LESS DURING RETIREMENT



Reduce living expenses by

\$3,000

(in today's dollars) per year, every year in retirement

Information presented is for illustrative purposes only.

Option #4 WORK PART-TIME



Information presented is for illustrative purposes only.

Recap: RETIREMENT GOAL

Projected shortfall

\$462,000

3 projected unfunded years

OPTIONS

- 1. Increase savings by **\$220** per month through retirement
- 2. Retire later allowing for more time to save and for assets to grow
- 3. Reduce overall spending during retirement
- 4. Work part-time

Information presented is for illustrative purposes only.

CASE STUDY #2 NICOLE

Case Study #2



Today, Nicole has approximately:

- \$125,000 in retirement assets
- \$70,000 in annual income
- \$35,000 in annual expenses
- \$10,000 savings per year

We will assume Nicole will live until age 95.

Can Nicole retire early at 65? Should she wait to retire until she is 67 or 70 years old?

Current Funding



Assuming a life expectancy of age 95

Information presented is for illustrative purposes only.

FUNDING RETIREMENT CASE STUDY #2

Nicole currently has three projected unfunded years during retirement which results in a cumulative shortfall of **\$109,203**.

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Option #1 SAVE MORE BEFORE YOU RETIRE



Save an additional **\$750** per month or **\$9,000** per year through 2026

Information presented is for illustrative purposes only.

Option #2 RETIRE LATER



Delaying retirement by **3 years** will allow for Social Security to increase, assets to grow, and more contributions

Information presented is for illustrative purposes only.

Option #3 WORK PART-TIME



Consider working part-time for additional income

Information presented is for illustrative purposes only.

Recap: RETIREMENT GOAL

Projected shortfall

\$109,203

3 projected unfunded years

OPTIONS

- 1. Increase savings by **\$679** per month through retirement
- 2. Retire later allowing for more time to save and for assets to grow
- 3. Work part-time

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So How Can I Best Plan to Save For Retirement?

Key Takeaways

IDENTIFY WAYS YOU CAN TAKE CONTROL

- 1. Know your number.
- 2. Engage a financial professional.
- 3. Invest appropriately.
- 4. Manage debt & spending.
- 5. Monitor and adjust.





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