



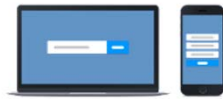
Print "How Much Do You Really Need To Retire?"

Factor	Value	Factor	Value	Factor	Value	Factor	Value
2	1.42	1.44	1.46	1.48	1.50	1.52	1.54
10	1.42	1.44	1.46	1.48	1.50	1.52	1.54
20	1.42	1.44	1.46	1.48	1.50	1.52	1.54
30	1.42	1.44	1.46	1.48	1.50	1.52	1.54
40	1.42	1.44	1.46	1.48	1.50	1.52	1.54
50	1.42	1.44	1.46	1.48	1.50	1.52	1.54
60	1.42	1.44	1.46	1.48	1.50	1.52	1.54
70	1.42	1.44	1.46	1.48	1.50	1.52	1.54
80	1.42	1.44	1.46	1.48	1.50	1.52	1.54
90	1.42	1.44	1.46	1.48	1.50	1.52	1.54

www.francisway.com/stanford

We want to hear from you!

Join by Web



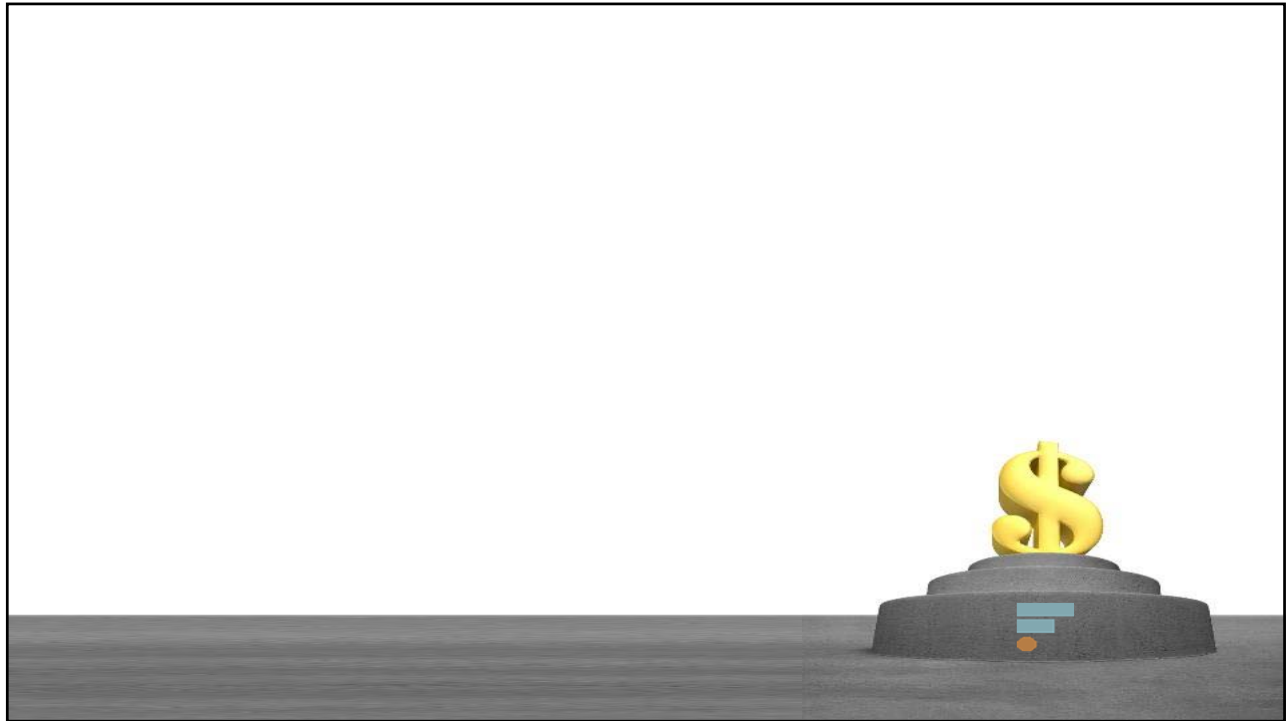
- 1 Go to **PolleEv.com**
- 2 Enter **TIMOTHYSHIRK857**
- 3 Respond to activity

Join by Text



- 1 Text **TIMOTHYSHIRK857** to **22333**
- 2 Text in your message

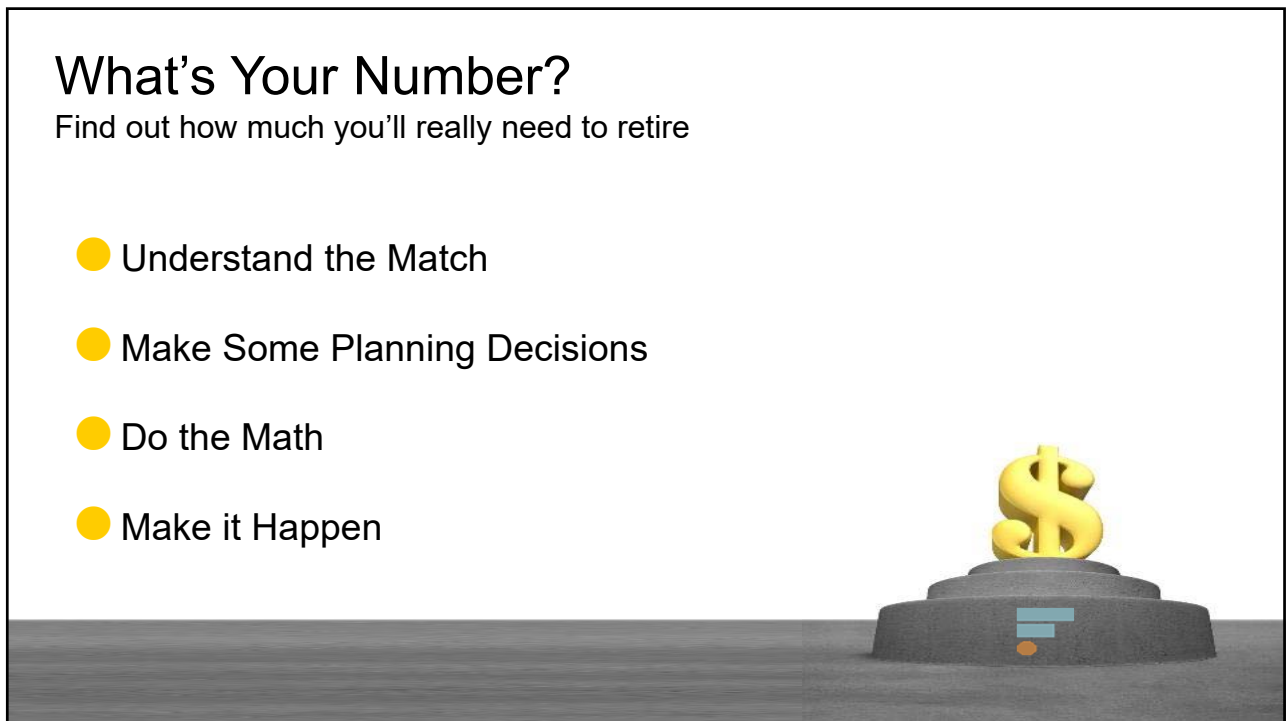




What's Your Number?

Find out how much you'll really need to retire

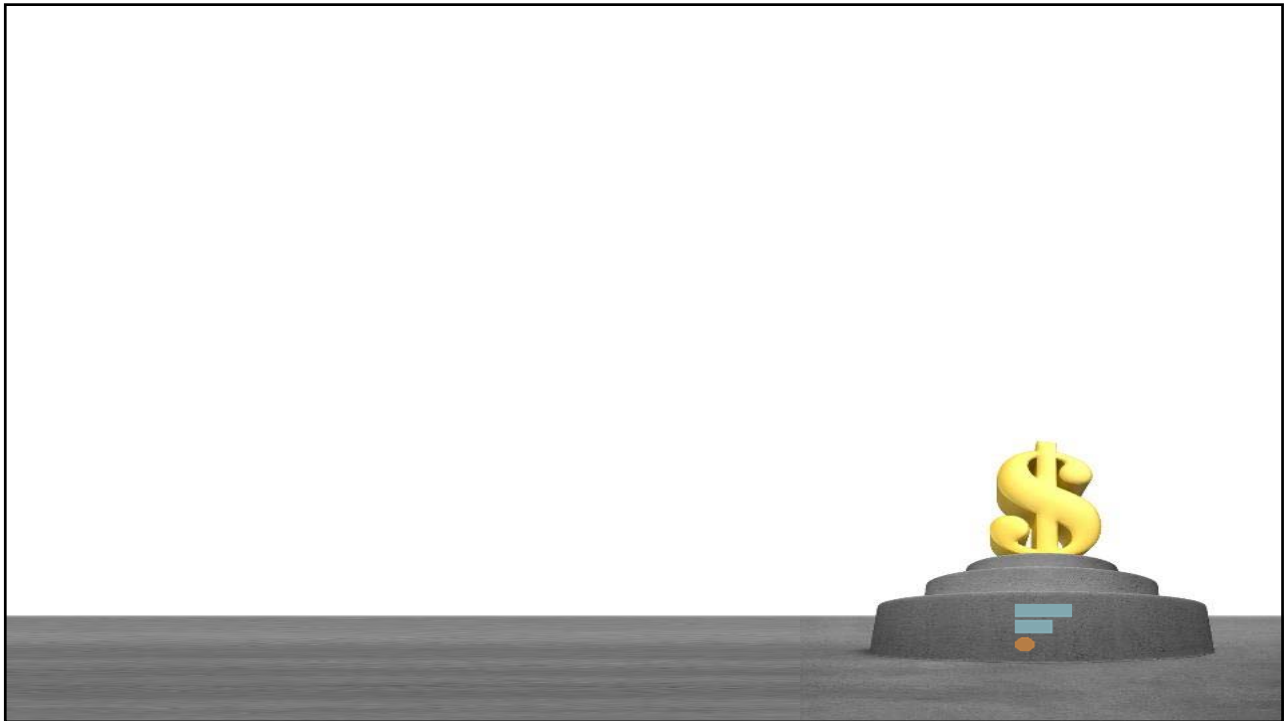
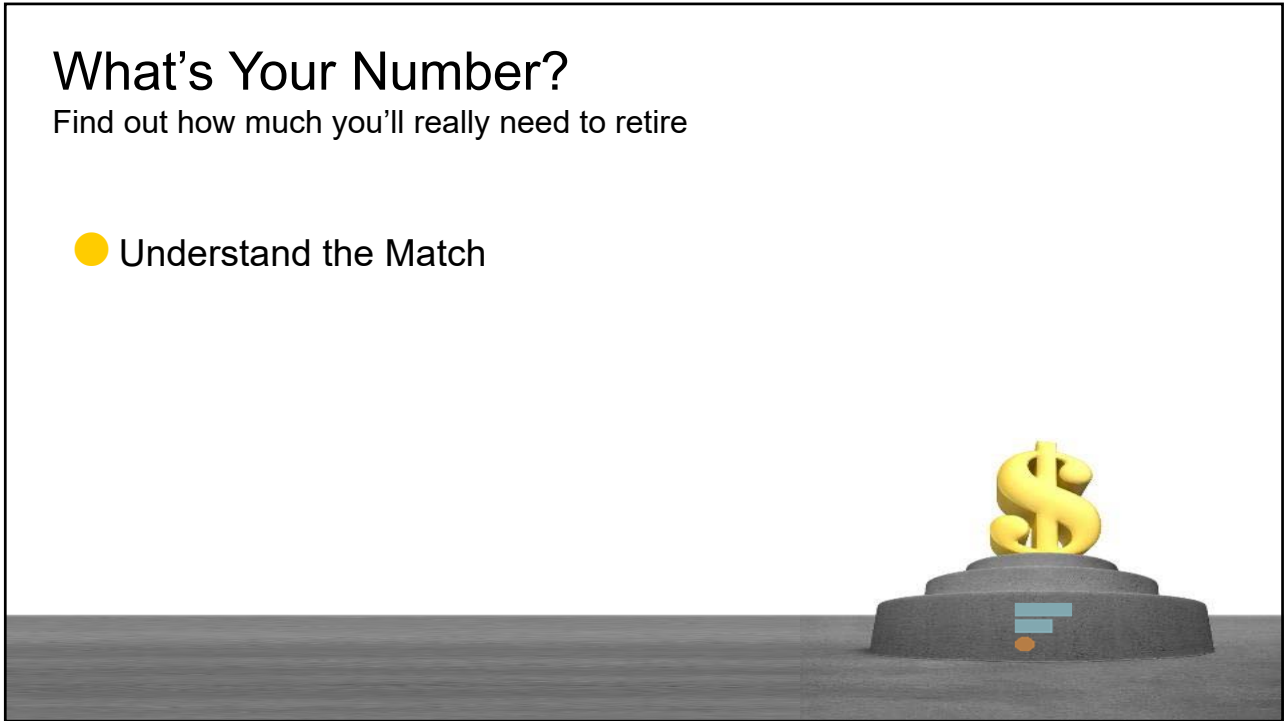
- Understand the Match
- Make Some Planning Decisions
- Do the Math
- Make it Happen

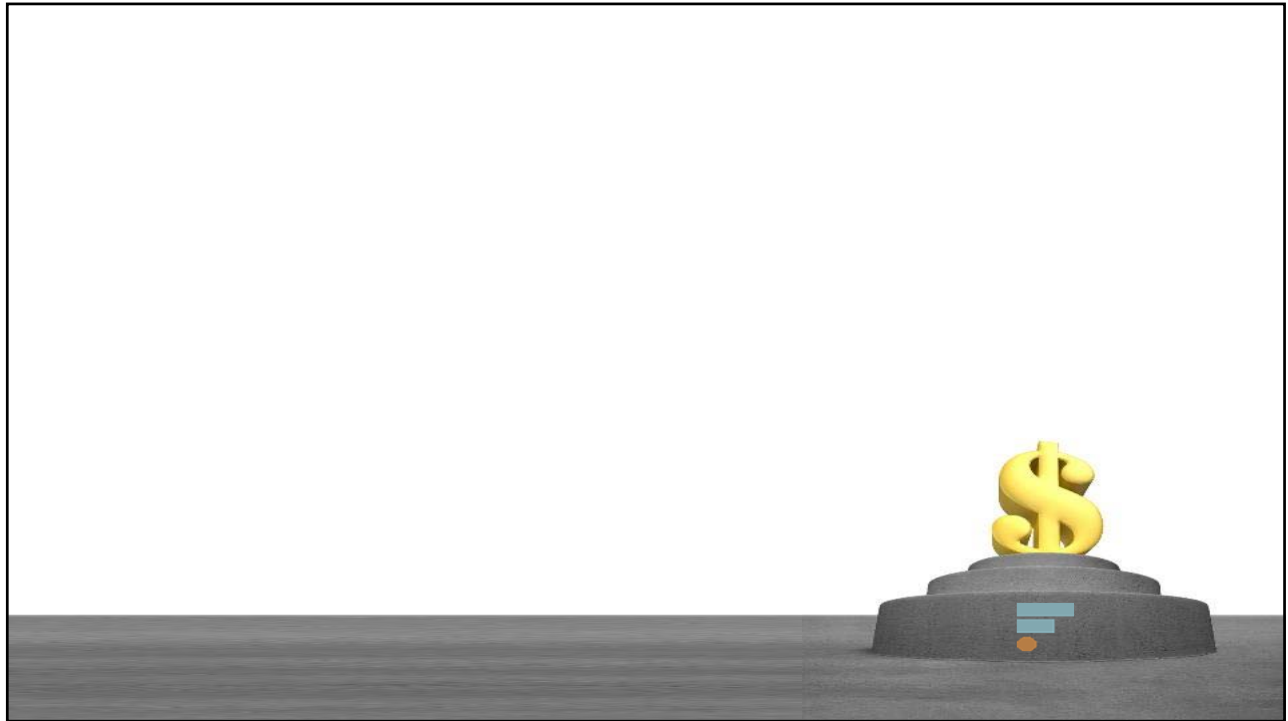


What's Your Number?

Find out how much you'll really need to retire

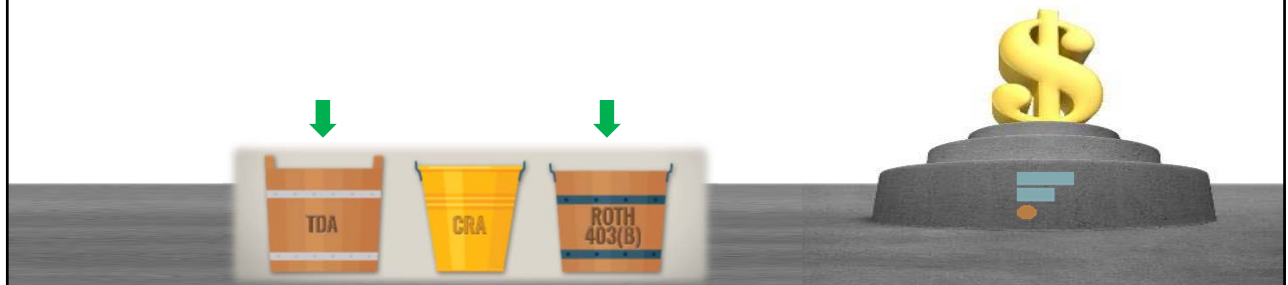
- Understand the Match





Understand the Match

- Start saving right away in either the Tax Deferred Account (TDA) or the Roth 403(b)



Understand the Match

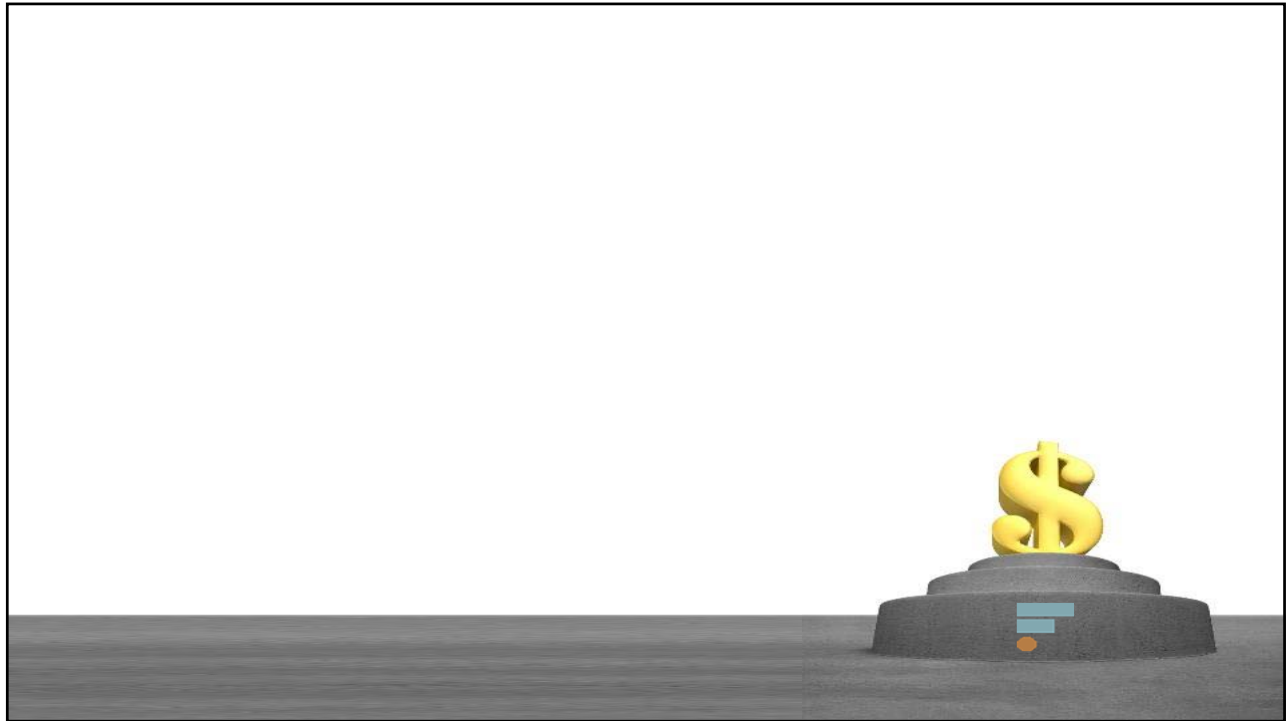
- Start saving right away in either the Tax Deferred Account (TDA) or the Roth 403(b)
- After one year of service, elect a 4% contribution to the Contributory Retirement Account (CRA) to receive full match



Understand the Match

- Start saving right away in either the Tax Deferred Account (TDA) or the Roth 403(b)
- After one year of service, elect a 4% contribution to the Contributory Retirement Account (CRA) to receive full match
- After 1 year receive the basic company contribution
- Consider converting CRA balance to Roth

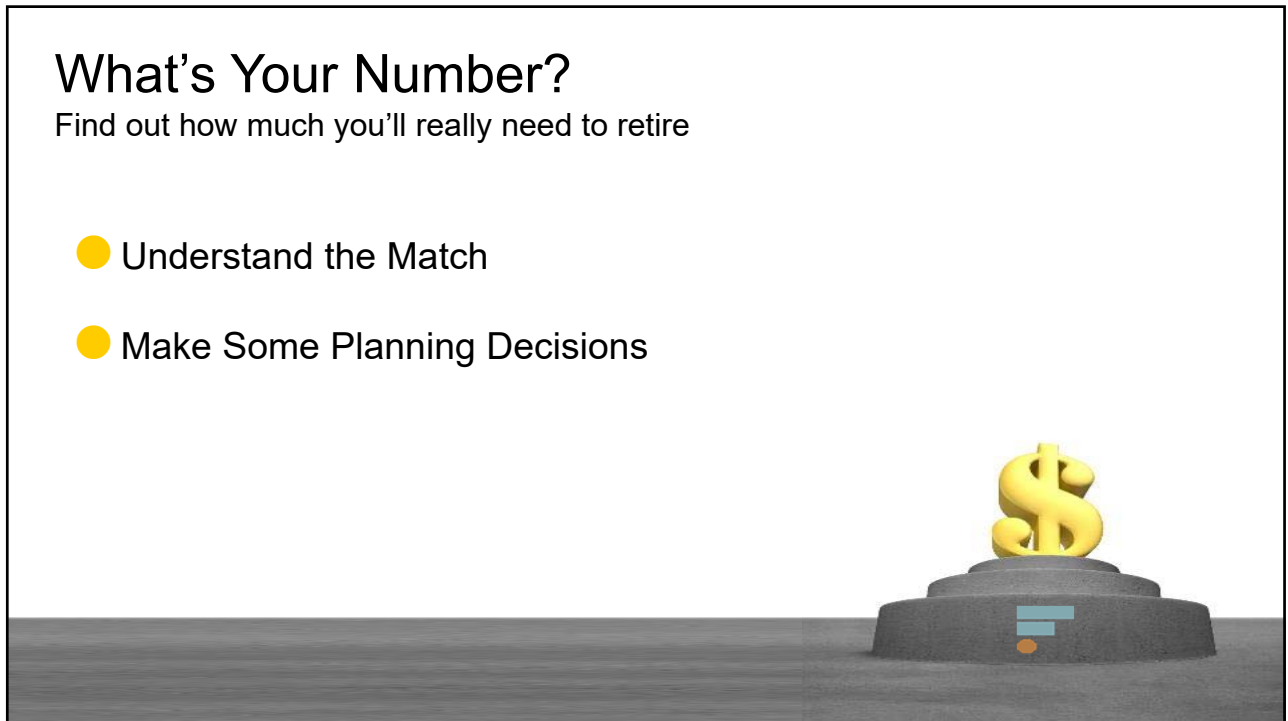




What's Your Number?

Find out how much you'll really need to retire

- Understand the Match
- Make Some Planning Decisions



Questions to Ask

1. When will I retire?
2. What will I receive from Social Security?
3. What income will I need in retirement?
4. How long do I want my money to last in retirement?
5. What rate of return should I expect?



Questions to Ask

1. When will I retire?



Key Retirement Age Milestones

- 59 1/2 years old – No penalty for distributions
- 62 years old – Eligible for Social Security
- 65 years old – Eligible for Medicare
- 65-67 years old – Full Retirement Age
- 70 years old – Largest Social Security Benefit



Questions to Ask

1. When will I retire?
2. What will I receive from Social Security?

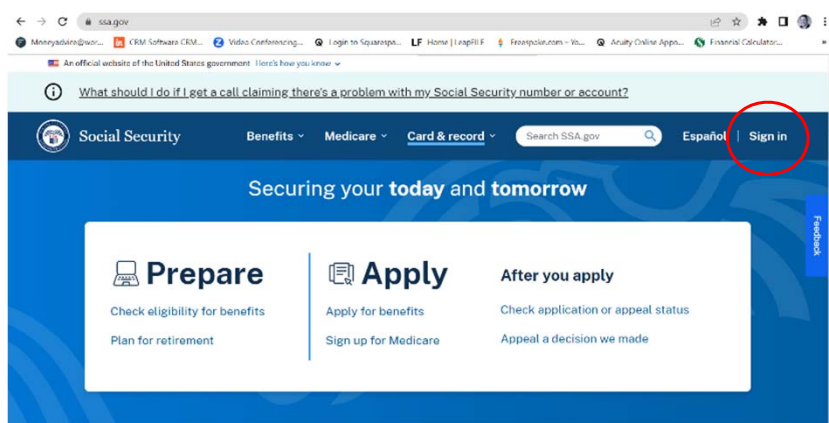


Can You Count on Social Security?

- Relax, it will be there
- It's a pay as you go system
- Benefits may be reduced for many Americans
- Hey, where's my statement?



My Social Security



Questions to Ask

1. When will I retire?
2. What will I receive from Social Security?
3. What income will I need in retirement?



Your Wage Replacement Ratio (WRR)

- Expressed as % of your current income
- Factors used to customize your ratio:

✓ No 401(k) deferrals
✓ Not paying FICA taxes
✓ No mortgage payments
✓ The kids are up and out

✓ Health care costs up
✓ Supporting parents
✓ Big plans in retirement
✓ Boomerang kids



Your Wage Replacement Ratio

The great debate: What to budget for health care

- According to the Boston College Center for Retirement Research center, medical expenses not covered by Medicare will cost . . .
 - Average - \$197,000
 - 5% Risk - \$311,000



http://www.prudential.com/media/managed/Distri_of_Lifetime_Health_Costs_from_age65.pdf

Questions to Ask

1. When will I retire?
2. What will I receive from Social Security?
3. What income will I need in retirement?
4. How long do I want my money to last in retirement?



How Long Will Your Money Last?

Pull out 8% per year – Money lasts 14 years

Pull out 7% per year – Money lasts 16 years

Pull out 6% per year – Money lasts 20 years

Pull out 5% per year – Money lasts 25 years

Pull out 4% per year – Money lasts 30 years



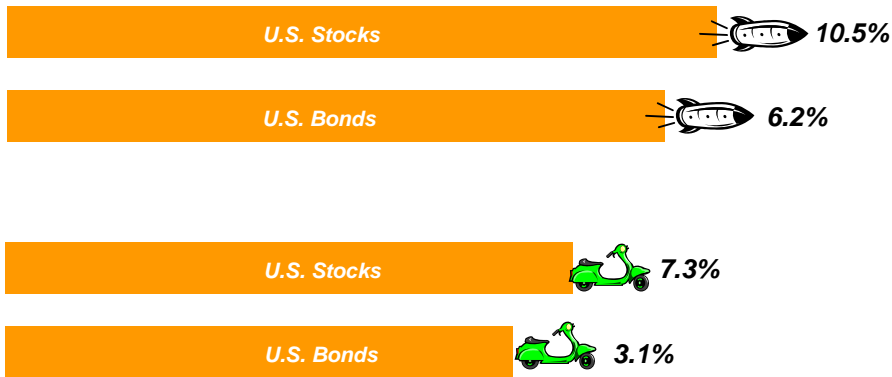
Returns represent annualized returns for the S&P 500 and Bloomberg Barclays Capital U.S. Aggregate Bond Index from July 1979 – July 2018. The summary, prices quotes, and statistics contained herein have been obtained from sources believed reliable but are not necessarily complete and cannot be guaranteed.

Questions to Ask

1. When will I retire?
2. What will I receive from Social Security?
3. What income will I need in retirement?
4. How long do I want my money to last in retirement?
5. What rate of return should I expect?

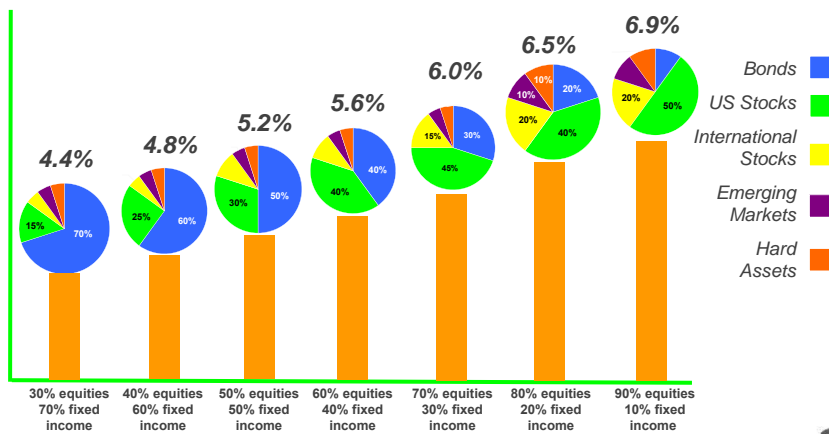


What's a Reasonable Rate of Return to Expect?



Returns represent annualized returns for the S&P 500 and Bloomberg Barclays Capital U.S. Aggregate Bond Index from July 1979 – July 2018. Expected Return source: Francis considering a ten year time horizon. The summary/prices/quotes/statistics contained herein have been obtained from sources believed reliable but are not necessarily complete and cannot be guaranteed.

What's a Reasonable Rate of Return to Expect?



The models shown are designed to provide general guidance but do not take into consideration any individual situations or unique circumstances. Performance based on 10 year horizon. There is no guarantee these rates of returns are achievable in time horizon. The models presented above are merely a means of allocating your account values among the various investment options under the Plan, consistent with the level of risk you consider appropriate for your situation.

What's Your Number?

Find out how much you'll really need to retire

- Understand the Match
- Make Some Planning Decisions
- Do the Math



Let's Meet Tom Williams



- Age 40
- Earns \$50,000
- Saving 4%
- Company contribution 10%*
- Has \$100,000 saved so far
- Goal: Retire @ 65 with 75% of income for 30 years



*Stanford Match 5% on 4% contribution plus 5% basic contribution.

Let's Meet Jeri Williams



- Age 45
- Earns \$100,000
- Saving 4%
- Company contribution 10%*
- Has \$420,000 saved so far
- Goal: retire at age 65 with 75% of income for 30 years



*Stanford Match 5% on 4% contribution plus 5% basic contribution.

How Much Do You Really Need to Retire? Do the Math!

What I will need?

What income will I need in retirement?

Current annual income: _____
 X Income replacement ratio: X / X
 Income needed if I were to retire today: 0 / 0
 Estimated Health Care Costs: + / +
 Income needed to retire today: 0 / 0

What income will I need to generate from my savings?

Total income needed in today's dollars (from above): _____
 Less Social Security estimate (see table on income table): - / +
 Income needed from savings in today's dollars: 0 / 0
 Less pension benefit estimate (Today's Dollars): _____
 Income needed from savings in today's dollars: 0 / 0
 X Inflation factor from table: X / X
 Income needed from my savings at retirement: 0 / 0

What's my number?

Income needed from my savings at retirement (from line above): _____
 Divisor: 0 / 0
 Use 0.04 for 4% withdrawal rate and 30 year retirement
 Use 0.05 for 5% withdrawal rate and 25 year retirement
 Use 0.06 for 6% withdrawal rate and 20 year retirement
 Use 0.07 for 7% withdrawal rate and 15 year retirement

Total savings needed at retirement: 0 / 0

What will I have?

What might my existing savings grow to by retirement?

Value of retirement assets today: _____
 X Growth factor from table: X / X
 Balance at retirement without additional savings: 0 / 0

How much do I need to save to reach my goal?

My number (total savings needed at retirement): _____
 Less what I'll have (from above): - / _____
 My savings gap: 0 / _____
 Divided by savings factor from table: 0 / _____
 Annual savings needed: _____
 Less company contributions: _____
 Annual savings needed: _____
 Savings percentage needed (annual savings amount divided by annual income): _____

Factors

Years to Retirement	Withdrawal Rate %	Compound Assumption % Annualized Return	Compound Assumption % Annualized Return	Compound Assumption % Annualized Return	Compound Assumption % Annualized Return	Compound Assumption % Annualized Return	Compound Assumption % Annualized Return
5	1.95	1.40	1.34	1.29	0.75	0.68	6.10
10	2.36	1.87	1.70	1.62	0.82	0.73	12.00
15	2.82	2.40	2.18	2.06	0.91	0.79	18.00
20	3.31	3.07	2.71	2.55	1.02	0.87	24.00
25	3.82	3.83	3.33	3.14	1.14	0.96	30.00
30	4.35	4.69	4.06	3.83	1.28	1.06	36.00
35	4.90	5.65	4.81	4.53	1.44	1.18	42.00
40	5.47	6.71	5.73	5.37	1.62	1.34	48.00
45	6.06	7.88	6.78	6.32	1.82	1.54	54.00
50	6.67	9.17	7.97	7.50	2.04	1.77	60.00
55	7.30	10.59	9.29	8.71	2.28	1.99	66.00
60	7.95	12.15	10.74	10.16	2.54	2.24	72.00
65	8.63	13.85	12.34	11.74	2.82	2.51	78.00
70	9.34	15.69	14.08	13.44	3.12	2.79	84.00
75	10.08	17.67	15.95	15.26	3.44	3.08	90.00
80	10.85	19.79	17.97	17.20	3.78	3.38	96.00
85	11.65	22.05	20.14	19.26	4.14	3.69	102.00
90	12.48	24.46	22.47	21.44	4.52	4.01	108.00
95	13.34	27.02	24.96	23.74	4.92	4.34	114.00
100	14.23	29.74	27.61	26.16	5.34	4.68	120.00

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What will I need?

What income will I need in retirement?

Current annual income:	<u> \$50,000 </u>	<u> \$100,000 </u>
X Income replacement ratio:	<u> x 0.75 </u>	<u> x 0.75 </u>
Income needed if I were to retire today:	<u> = \$37,500 </u>	<u> = \$75,000 </u>

What income will I need to generate from my savings?

Total income needed in today's dollars (from above):	<u> \$37,500 </u>	<u> \$75,000 </u>
Less Social Security estimate (see table on reverse side):	<u> -</u>	<u> -</u>
Less pension benefit estimate:	<u> -</u>	<u> -</u>
Income needed from savings in today's dollars:	<u> = _____ </u>	<u> = _____ </u>
X Inflation factor from table:	<u> x _____ </u>	<u> x _____ </u>
Income needed from my savings at retirement:	<u> = _____ </u>	<u> = _____ </u>

What's my number?

Income needed from my savings at retirement (from line above):	<u> _____ </u>	<u> _____ </u>
Divisor:	<u> + _____ </u>	<u> + _____ </u>
Use 0.04 for 4% withdrawal rate and 30 year retirement		
Use 0.05 for 5% withdrawal rate and 25 year retirement		
Use 0.06 for 6% withdrawal rate and 20 year retirement		
Use 0.07 for 7% withdrawal rate and 15 year retirement		
Total savings needed at retirement:	<u> = _____ </u>	<u> = _____ </u>

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Social Security Estimates – Based on 2022 Quick Benefits Calculator Found at ssa.gov
Monthly Benefit Amount (in Today's \$)

		Current Annual Income												
Current Age		\$10,000	\$20,000	\$30,000	\$40,000	\$50,000	\$60,000	\$70,000	\$80,000	\$90,000	\$100,000	\$110,000	\$120,000	
Age 25	Age 62: \$527 Age 67: \$746 Age 70: \$929	Age 62: \$793 Age 67: \$1,127 Age 70: \$1,397	Age 62: \$981 Age 67: \$1,393 Age 70: \$1,728	Age 62: \$1,169 Age 67: \$1,660 Age 70: \$2,058	Age 62: \$1,356 Age 67: \$1,927 Age 70: \$2,389	Age 62: \$1,544 Age 67: \$2,193 Age 70: \$2,720	Age 62: \$1,732 Age 67: \$2,460 Age 70: \$3,050	Age 62: \$1,861 Age 67: \$2,643 Age 70: \$3,277	Age 62: \$1,949 Age 67: \$2,768 Age 70: \$3,432	Age 62: \$2,037 Age 67: \$2,893 Age 70: \$3,587	Age 62: \$2,125 Age 67: \$3,018 Age 70: \$3,742	Age 62: \$2,213 Age 67: \$3,143 Age 70: \$3,897	Age 62: \$2,301 Age 67: \$3,268 Age 70: \$4,052	
Age 30	Age 62: \$521 Age 67: \$749 Age 70: \$929	Age 62: \$790 Age 67: \$1,127 Age 70: \$1,397	Age 62: \$975 Age 67: \$1,393 Age 70: \$1,728	Age 62: \$1,160 Age 67: \$1,660 Age 70: \$2,058	Age 62: \$1,346 Age 67: \$1,927 Age 70: \$2,389	Age 62: \$1,532 Age 67: \$2,193 Age 70: \$2,720	Age 62: \$1,717 Age 67: \$2,460 Age 70: \$3,050	Age 62: \$1,853 Age 67: \$2,643 Age 70: \$3,277	Age 62: \$1,940 Age 67: \$2,768 Age 70: \$3,432	Age 62: \$2,027 Age 67: \$2,893 Age 70: \$3,587	Age 62: \$2,114 Age 67: \$3,018 Age 70: \$3,742	Age 62: \$2,201 Age 67: \$3,143 Age 70: \$3,897	Age 62: \$2,289 Age 67: \$3,268 Age 70: \$4,052	
Age 35	Age 62: \$505 Age 67: \$737 Age 70: \$927	Age 62: \$774 Age 67: \$1,111 Age 70: \$1,381	Age 62: \$958 Age 67: \$1,380 Age 70: \$1,728	Age 62: \$1,143 Age 67: \$1,643 Age 70: \$2,055	Age 62: \$1,318 Age 67: \$1,905 Age 70: \$2,385	Age 62: \$1,498 Age 67: \$2,168 Age 70: \$2,715	Age 62: \$1,678 Age 67: \$2,430 Age 70: \$3,045	Age 62: \$1,832 Age 67: \$2,656 Age 70: \$3,274	Age 62: \$1,916 Age 67: \$2,781 Age 70: \$3,429	Age 62: \$2,000 Age 67: \$2,906 Age 70: \$3,584	Age 62: \$2,085 Age 67: \$3,031 Age 70: \$3,739	Age 62: \$2,169 Age 67: \$3,156 Age 70: \$3,894	Age 62: \$2,254 Age 67: \$3,281 Age 70: \$4,049	
Age 40	Age 62: \$484 Age 67: \$712 Age 70: \$907	Age 62: \$752 Age 67: \$1,091 Age 70: \$1,361	Age 62: \$935 Age 67: \$1,354 Age 70: \$1,707	Age 62: \$1,107 Age 67: \$1,605 Age 70: \$2,033	Age 62: \$1,260 Age 67: \$1,852 Age 70: \$2,263	Age 62: \$1,452 Age 67: \$2,116 Age 70: \$2,592	Age 62: \$1,625 Age 67: \$2,380 Age 70: \$2,922	Age 62: \$1,797 Age 67: \$2,644 Age 70: \$3,197	Age 62: \$1,954 Age 67: \$2,908 Age 70: \$3,472	Age 62: \$2,042 Age 67: \$3,033 Age 70: \$3,627	Age 62: \$2,126 Age 67: \$3,158 Age 70: \$3,782	Age 62: \$2,210 Age 67: \$3,283 Age 70: \$3,937	Age 62: \$2,294 Age 67: \$3,408 Age 70: \$4,092	
Age 45	Age 62: \$467 Age 67: \$694 Age 70: \$889	Age 62: \$734 Age 67: \$1,078 Age 70: \$1,348	Age 62: \$916 Age 67: \$1,320 Age 70: \$1,664	Age 62: \$1,070 Age 67: \$1,563 Age 70: \$1,979	Age 62: \$1,232 Age 67: \$1,805 Age 70: \$2,203	Age 62: \$1,395 Age 67: \$2,048 Age 70: \$2,532	Age 62: \$1,558 Age 67: \$2,292 Age 70: \$2,862	Age 62: \$1,721 Age 67: \$2,535 Age 70: \$3,197	Age 62: \$1,874 Age 67: \$2,779 Age 70: \$3,472	Age 62: \$2,000 Age 67: \$3,012 Age 70: \$3,747	Age 62: \$2,085 Age 67: \$3,137 Age 70: \$3,902	Age 62: \$2,169 Age 67: \$3,262 Age 70: \$4,057	Age 62: \$2,254 Age 67: \$3,387 Age 70: \$4,212	
Age 50	Age 62: \$426 Age 67: \$641 Age 70: \$825	Age 62: \$671 Age 67: \$1,024 Age 70: \$1,294	Age 62: \$873 Age 67: \$1,279 Age 70: \$1,618	Age 62: \$1,025 Age 67: \$1,531 Age 70: \$1,912	Age 62: \$1,177 Age 67: \$1,736 Age 70: \$2,206	Age 62: \$1,329 Age 67: \$1,964 Age 70: \$2,500	Age 62: \$1,481 Age 67: \$2,192 Age 70: \$2,794	Age 62: \$1,632 Age 67: \$2,421 Age 70: \$3,088	Age 62: \$1,755 Age 67: \$2,609 Age 70: \$3,277	Age 62: \$1,868 Age 67: \$2,714 Age 70: \$3,415	Age 62: \$1,940 Age 67: \$2,821 Age 70: \$3,560	Age 62: \$2,011 Age 67: \$2,928 Age 70: \$3,705	Age 62: \$2,082 Age 67: \$3,035 Age 70: \$3,850	
Age 55	Age 62: \$491 Age 67: \$696 Age 70: \$774	Age 62: \$724 Age 67: \$1,077 Age 70: \$1,347	Age 62: \$935 Age 67: \$1,320 Age 70: \$1,664	Age 62: \$1,114 Age 67: \$1,563 Age 70: \$1,979	Age 62: \$1,293 Age 67: \$1,805 Age 70: \$2,203	Age 62: \$1,523 Age 67: \$2,048 Age 70: \$2,532	Age 62: \$1,753 Age 67: \$2,292 Age 70: \$2,862	Age 62: \$1,983 Age 67: \$2,535 Age 70: \$3,197	Age 62: \$2,171 Age 67: \$2,779 Age 70: \$3,472	Age 62: \$2,360 Age 67: \$3,012 Age 70: \$3,747	Age 62: \$2,548 Age 67: \$3,247 Age 70: \$4,022	Age 62: \$2,737 Age 67: \$3,482 Age 70: \$4,297	Age 62: \$2,926 Age 67: \$3,717 Age 70: \$4,572	
Age 60	Age 62: \$352 Age 67: \$545 Age 70: \$715	Age 62: \$561 Age 67: \$815 Age 70: \$1,045	Age 62: \$771 Age 67: \$1,099 Age 70: \$1,449	Age 62: \$919 Age 67: \$1,369 Age 70: \$1,754	Age 62: \$1,045 Age 67: \$1,563 Age 70: \$2,008	Age 62: \$1,170 Age 67: \$1,757 Age 70: \$2,262	Age 62: \$1,296 Age 67: \$1,952 Age 70: \$2,517	Age 62: \$1,421 Age 67: \$2,146 Age 70: \$2,772	Age 62: \$1,546 Age 67: \$2,340 Age 70: \$3,027	Age 62: \$1,671 Age 67: \$2,534 Age 70: \$3,282	Age 62: \$1,797 Age 67: \$2,728 Age 70: \$3,537	Age 62: \$1,922 Age 67: \$2,922 Age 70: \$3,792	Age 62: \$2,047 Age 67: \$3,116 Age 70: \$4,047	
Age 65	Now: \$490 Age 66 and 4 Months: \$490 Age 70: \$689	Now: \$890 Age 66 and 4 Months: \$930 Age 70: \$1,243	Now: \$1,028 Age 66 and 4 Months: \$1,105 Age 70: \$1,488	Now: \$1,180 Age 66 and 4 Months: \$1,260 Age 70: \$1,734	Now: \$1,340 Age 66 and 4 Months: \$1,454 Age 70: \$1,979	Now: \$1,500 Age 66 and 4 Months: \$1,648 Age 70: \$2,225	Now: \$1,660 Age 66 and 4 Months: \$1,842 Age 70: \$2,471	Now: \$1,820 Age 66 and 4 Months: \$1,978 Age 70: \$2,717	Now: \$1,980 Age 66 and 4 Months: \$2,114 Age 70: \$2,963	Now: \$2,140 Age 66 and 4 Months: \$2,250 Age 70: \$3,209	Now: \$2,300 Age 66 and 4 Months: \$2,386 Age 70: \$3,455	Now: \$2,460 Age 66 and 4 Months: \$2,522 Age 70: \$3,701	Now: \$2,620 Age 66 and 4 Months: \$2,658 Age 70: \$3,947	Now: \$2,780 Age 66 and 4 Months: \$2,794 Age 70: \$4,193

John

Tom

$\$1,576 \times 12 = \$18,912$

$\$7,454 \times 12 = \$89,448$



What will I need?

What income will I need in retirement?

Current annual income:	\$50,000	\$100,000
X Income replacement ratio:	X 0.75	X 0.75
Income needed if I were to retire today:	= \$37,500	= \$75,000

What income will I need to generate from my savings?

Total income needed in today's dollars (from above):	\$37,500	\$75,000
Less Social Security estimate (see table on reverse side):	- \$18,912	- \$29,820
Less pension benefit estimate:	- \$0	- \$0
Income needed from savings in today's dollars:	= \$18,588	= \$45,180
X Inflation factor from table:	X	X
Income needed from my savings at retirement:	=	=

What's my number?

Income needed from my savings at retirement (from line above):		
Divisor:	+	+

Use 0.04 for 4% withdrawal rate and 30 year retirement
 Use 0.05 for 5% withdrawal rate and 25 year retirement
 Use 0.06 for 6% withdrawal rate and 20 year retirement
 Use 0.07 for 7% withdrawal rate and 15 year retirement

Total savings needed at retirement:	=	=
--	---	---

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<https://www.bls.gov/news.release/pdf/cpi.pdf> / https://inflationdata.com/Inflation/Inflation_Rate/Long_Term_Inflation.asp

Factors

Years to Retirement	Inflation - Assumes 3% Inflation Rate	Growth - Assumes 7% Annualized return	Growth - Assumes 6% Annualized return	Growth - Assumes 5% Annualized return	Savings - Assumes 7% Annualized return	Savings - Assumes 6% Annualized return	Savings - Assumes 5% Annualized return
5	1.16	1.40	1.34	1.28	5.75	5.64	5.53
10	1.34	1.97	1.79	1.63	13.82	13.18	12.58
15	1.56	2.76	2.40	2.08	25.13	23.28	21.58
20	1.81	3.87	3.21	2.65	41.00	36.79	33.07
25	2.09	5.43	4.29	3.39	63.25	54.86	47.73
30	2.43	7.61	5.74	4.32	94.46	79.06	66.44
35	2.81	10.68	7.69	5.52	138.24	111.43	90.32
40	3.26	14.97	10.29	7.04	199.64	154.76	120.80

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What will I need?

What income will I need in retirement?

Current annual income:	<u> \$50,000 </u>	<u> \$100,000 </u>
X Income replacement ratio:	X <u> 0.75 </u>	X <u> 0.75 </u>
Income needed if I were to retire today:	= <u> \$37,500 </u>	= <u> \$75,000 </u>

What income will I need to generate from my savings?

Total income needed in today's dollars (from above):	<u> \$37,500 </u>	<u> \$75,000 </u>
Less Social Security estimate (see table on reverse side):	- <u> \$18,912 </u>	- <u> \$29,820 </u>
Less pension benefit estimate:	- <u> \$0 </u>	- <u> \$0 </u>
Income needed from savings in today's dollars:	= <u> \$18,855 </u>	= <u> \$45,180 </u>
X Inflation factor from table:	X <u> 2.09 </u>	X <u> 1.81 </u>
Income needed from my savings at retirement:	= <u> \$38,849 </u>	= <u> \$81,776 </u>

What's my number?

Income needed from my savings at retirement (from line above):	<u> \$38,849 </u>	<u> \$81,776 </u>
Divisor:	+ <u> 0.04 </u>	+ <u> 0.04 </u>

- Use 0.04 for 4% withdrawal rate and 30 year retirement
- Use 0.05 for 5% withdrawal rate and 25 year retirement
- Use 0.06 for 6% withdrawal rate and 20 year retirement
- Use 0.07 for 7% withdrawal rate and 15 year retirement

Total savings needed at retirement:	= <u> \$971,225 </u>	= <u> \$2,044,400 </u>
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What will I have?

What might my existing savings grow to by retirement?

Value of retirement assets today:	<u>\$100,000</u>	<u>\$420,000</u>
X Growth factor from table:	X <u>4.29</u>	X <u>3.21</u>
Balance at retirement without additional savings:	= <u>\$429,000</u>	= <u>\$1,348,200</u>

Years to Retirement	Inflation - Assumptions 3% Inflation Rate	Growth Assumptions 7% Annualized return	Growth - Assumptions 8% Annualized return	Growth - Assumptions 9% Annualized return	Savings - Assumptions 7% Annualized return	Savings - Assumptions 6% Annualized return	Savings - Assumptions 5% Annualized return
5	1.16	1.40	1.34	1.28	5.75	5.64	5.53
10	1.34	1.97	1.79	1.63	13.82	13.15	12.55
15	1.56	2.78	2.40	2.08	25.13	23.15	21.55
20	1.81	3.87	3.21	2.65	40.99	36.25	33.07
25	2.09	5.43	4.29	3.39	63.24	54.85	47.73
30	2.43	7.61	5.74	4.32	94.45	79.05	66.44
35	2.81	10.65	7.89	5.52	135.25	111.43	90.32
40	3.25	14.97	10.29	7.04	199.60	154.76	120.8



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How much do I need to save to reach my goal?

My number (total savings needed at retirement):	<u>\$971,225</u>	<u>\$2,044,400</u>
Less what I'll have (from above):	- <u>\$429,000</u>	- <u>\$1,348,200</u>
My savings gap:	= <u>\$542,225</u>	= <u>\$696,200</u>
Divided by savings factor from table:	÷	÷
Annual savings needed:	=	=
Less company contributions:	-	-
Annual savings needed:	=	=
Savings percentage needed (annual savings amount divided by annual income):	=	=



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Years to Retirement	Inflation - Assumess 3% Inflation Rate	Growth - Assumess 7% Annualized return	Growth - Assumess 6% Annualized return	Growth - Assumess 5% Annualized return	Savings - Assumess 7% Annualized return	Savings - Assumess 6% Annualized return	Savings - Assumess 5% Annualized return
5	1.16	1.40	1.34	1.28	5.75	5.64	5.53
10	1.34	1.97	1.79	1.63	13.82	13.15	12.58
15	1.56	2.76	2.40	2.08	25.13	23.15	21.58
20	1.81	3.87	3.21	2.65	40.99	36.25	33.07
25	2.09	5.43	4.29	3.39	63.24	54.95	47.73
30	2.43	7.61	5.74	4.32	94.48	79.05	66.44
35	2.81	10.68	7.89	5.52	138.25	111.43	90.32
40	3.26	14.97	10.29	7.04	199.60	154.76	120.5



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How much do I need to save to reach my goal?

My number (total savings needed at retirement):	<u>\$971,225</u>	<u>\$2,044,400</u>
Less what I'll have (from above):	<u>- \$429,000</u>	<u>\$1,348,200</u>
My savings gap:	<u>= \$542,225</u>	<u>\$696,200</u>
Divided by savings factor from table:	<u>÷ 54.86</u>	<u>36.28</u>
Annual savings needed:	<u>= \$9,884</u>	<u>\$19,190</u>
Less company contributions:	<u>- \$5,000</u>	<u>\$10,000</u>
Annual savings needed:	<u>= \$4,883</u>	<u>\$9,190</u>
Savings percentage needed (annual savings amount divided by annual income):	<u>10%</u>	<u>9%</u>



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What's Your Number?

Find out how much you'll really need to retire

- Understand the match
- Make Some Planning Decisions
- Do the Math
- Make it Happen



Make it Happen . . .

- Save More
- Invest More Aggressively
- Rethink your Wage Replacement Ratio
- Work Longer



Take the Oath.. .

I, _____ (insert your name here) _____,

Do solemnly swear that I will take this page home

. . .

Do the math for myself . . .

And meet with my advisor with questions!



What's Your Number?

Find out what you really need to retire
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