

# Your Retirement Equation

SPRING 2024



**John Buckingham**  
PRINCIPAL  
PORTFOLIO MANAGER



**Jason R. Clark, CFA**  
PRINCIPAL  
PORTFOLIO MANAGER



**Christopher Quigley, CFA**  
SENIOR RESEARCH  
ANALYST



**ZACK TART**  
PORTFOLIO & RESEARCH  
ASSOCIATE

## KEY TAKEAWAYS

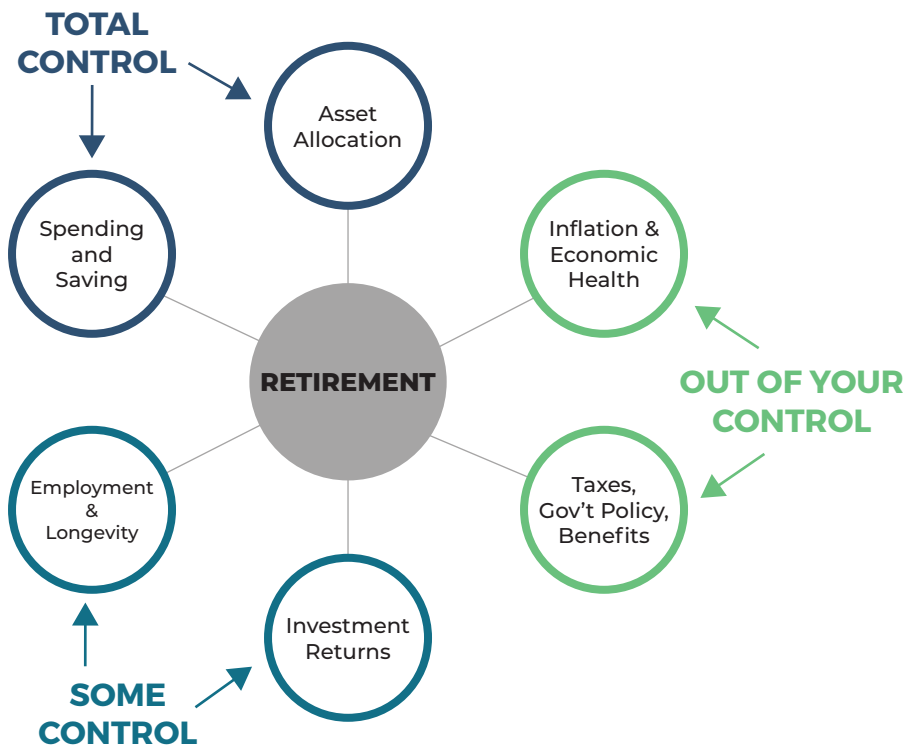
- ▶ **Total Control:** Your choices related to asset allocation, spending rates and savings directly impact your retirement projections.
- ▶ **Some Control:** Your choices related to your employment, income streams, investments and lifestyle have an impact on your retirement projections.
- ▶ **Out of Your Control:** Your choices have no impact on the economy or the path of inflation, nor do they impact taxation and public policy decisions.

As you craft your comprehensive retirement plan in conjunction with your planning and wealth advisory team, your primary focus should remain on factors within your control.

Picking individual stocks and bonds may improve investment returns over longer periods of time (they have for our clients), yet the most consequential decisions are related to your asset allocation and saving-spending balance. Long-term success for your investments generally boils down to spending less than you make and investing the difference over a long period of time.

From time to time, be sure to assess the factors that are somewhat or completely out of your control but your primary focus should remain on the factors within your control.

Figure 1: The Prudent Speculator’s Retirement Equation



SOURCE: Kovitz



For additional information about subscribing to the *The Prudent Speculator* newsletter, please call Phil Edwards at 800.258.7786 or email [pedwards@kovitz.com](mailto:pedwards@kovitz.com).

For more details about our wealth management and asset management services, kindly reach out to:

**Jason R. Clark, CFA**

**Principal, Portfolio Manager**

949.424.1013

[jclark@kovitz.com](mailto:jclark@kovitz.com)

## DISCLOSURES

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The description of products, services, and performance results contained herein is not an offering or a solicitation of any kind. Past performance is not an indication of future results. Securities investments are subject to risk and may lose value.

All returns are geometric average unless otherwise stated. The geometric average is calculated using the mean of a set of products that takes into account the effects of compounding.

The Standard & Poor's 500 index (S&P 500) is a broad stock market index based on the market capitalizations of the largest 500 companies listed in the U.S. Small company stocks, via Ibbotson Associates, are the bottom twenty percent of the New York Stock Exchange. Large company stocks, via Ibbotson Associates, are represented by the S&P 500 index. The S&P 500 Growth Index is a market capitalization weighted index. All the stocks in the underlying parent index are allocated into value or growth. Stocks that do not have pure value or pure growth characteristics have their market caps distributed between the value & growth indices. Prior to 12/19/2005 this index represented the S&P 500/Barra Growth Index. The S&P 500 Value Index is a market capitalization weighted index. All the stocks in the underlying parent index are allocated into value or growth. Stocks that do not have pure value or pure growth characteristics have their market caps distributed between the value & growth indices. Prior to 12/19/2005 this index represented the S&P 500/Barra Value Index.

The factor-based (book value-to-price) portfolio data is from Eugene F. Fama and Kenneth R. French. The dataset is broken into four groups: large value, large growth, small value and small growth. The aggregate Value and Growth portfolios are monthly averages of the two returns.

Growth stocks = 50% Fama-French small growth and 50% Fama-French large growth returns rebalanced monthly. Value stocks = 50% Fama-French small value and 50% Fama-French large value returns rebalanced monthly. The portfolios are formed on Book Equity/Market Equity at the end of each June using NYSE breakpoints via Eugene F. Fama and Kenneth R. French. Dividend payers = 30% top of Fama-French dividend payers, 40% of middle Fama-French dividend payers, and 30% bottom of Fama-French dividend payers rebalanced monthly. Non-dividend payers = Fama-French stocks that do not pay a dividend. Long term corporate bonds represented by the Ibbotson Associates SBBI US LT Corp Total Return index. Long term government bonds represented by the Ibbotson Associates SBBI US LT Govt Total Return index. Intermediate term government bonds represented by the Ibbotson Associates SBBI US LT Govt Total Return index. Treasury bills represented by the Ibbotson Associates SBBI US 30 Day Tbill Total Return index. Inflation represented by the Ibbotson Associates SBBI US Inflation index.

The Russell 3000 Index is composed of 3000 large U.S. companies, as determined by market capitalization. This portfolio of Securities represents approximately 98% of the investable U.S. equity market. The Russell 3000 Index is comprised of stocks within the Russell 1000 and the Russell 2000 Indices. Russell 3000 Growth Index measures the performance of those Russell 3000 Index companies with higher price-to-book ratios and higher forecasted growth values. Russell 3000 Value Index measures the performance of those Russell 3000 Index companies with lower price-to-book ratios and lower forecasted growth values.

The MSCI ACWI Index is a free-float weighted equity index. It was developed with a base value of 100 as of December 31 1987. It includes both emerging and developed world markets. The Bloomberg Barclays Global Aggregate Index is a flagship measure of global investment grade debt from twenty-four local currency markets. This multi-currency benchmark includes treasury, government-related, corporate and securitized fixed-rate bonds from both developed and emerging markets issuers. The DJ US Real Estate Index represents REITs & other companies that invest directly or indirectly in real estate through development, management or ownership, including property agencies. The index is a subset of the Dow Jones U.S. Index, which covers 95% of U.S. securities based on float-adjusted market capitalization. The S&P GSCI Total Return Index in USD is widely recognized as the leading measure of general commodity price movements and inflation in the world economy. Index is calculated primarily on a world production weighted basis, comprised of the principal physical commodities futures contracts.

From 1927 to present, we utilized the dividend-weighted portfolio data from Eugene F. Fama and Kenneth R. French. The dataset is broken into five groups: non-dividend paying, top 30% of dividend payers, middle 40% of dividend payers, bottom 30% of dividend payers and all dividend payers (weighted 30% of top dividend payers, 40% of middle dividend payers and 30% of low dividend payers).

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