

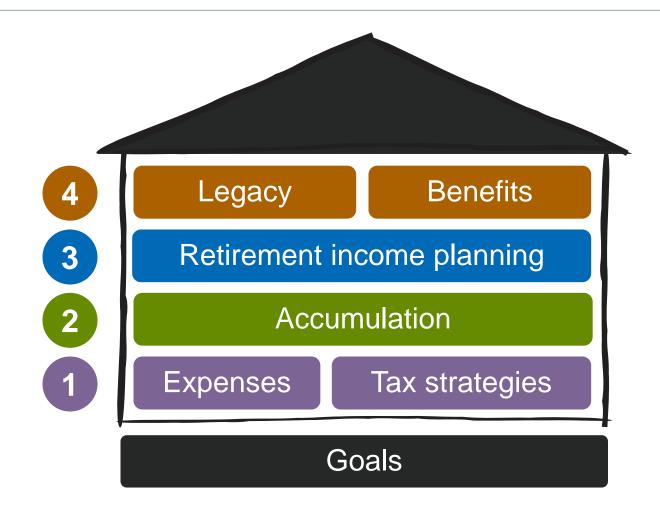
## retirewise®

Creating and Managing Wealth



What is important about retirement planning to you?

Building your "retirement house"



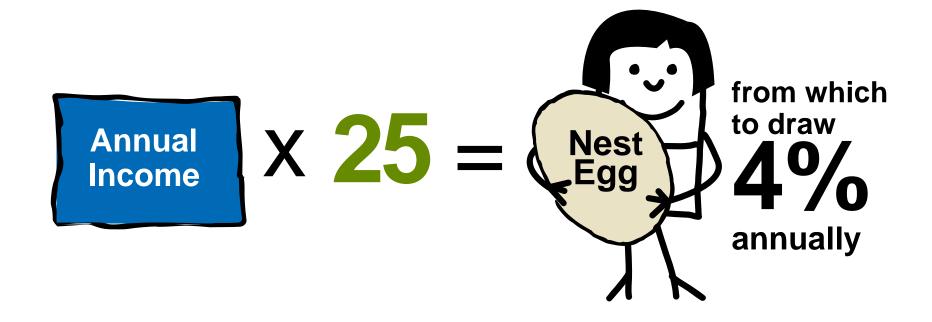
# Looking at an important relationship

MONTHLY EXPENSES	Current		Retirement	
	Needs Wants			
Housing and Related Expenses				
Rent / mortgage				
Condo / association fees				
Heat / AC / electric				
Phone (home and cell)				
Nater / sewer / garbage				
Property taxes				
Homeowners insurance				
Property care (lawn, etc.)				
Home maintenance (repairs, etc.)				
Cable TV / internet				
Other:				
Housing Totals:				
Transportation Expenses				
Car payments / lease				
icense / registration / maint.				
Gasoline				
Auto insurance				
Parking / bus / train / air / taxi, etc.				
Other:				
Transportation Totals:				
Personal Expenses				
Groceries / dining out / takeout				
Personal care (e.g., hairdresser)				
Clothing / shoes				
Exercise / hobbies / clubs				
/acation / leisure / entertainment				
Education (you / spouse / children)				
Debts (other than car / mortgage)				
Charitable donations				
Gifts to children / grandchildren				
Gifts to others				
Savings				
Federal income tax				
State income tax				
Other:				
Personal Totals:				
Medical Expenses / Insurance Premiums				
Out-of-pocket medical				
Out-of-pocket prescriptions				
Out-of-pocket eye care / glasses				
n-home care services				
Health Insurance Premiums (Medicaid / Medicare)			COLUMN TO SERVICE SERV	
ong-Term Care Insurance Premiums		THE RESERVE AND ADDRESS OF THE PARTY.		
ife Insurance Premiums				
Disability Income Insurance Premiums				
Other:				
Medical / Insurance Totals:				



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Rule of 25



## Rule of 25

# Applying the Rule of 25 to calculate the total assets needed to meet retirement goals

## Assume an assets drawdown of 4%, starting at retirement in 15 years

Monthly	Annual	
\$5,000	\$60,000	<ul> <li>need based on homework</li> </ul>
\$2,500	\$30,000	<ul> <li>available via Social Security, pensions</li> </ul>
\$2,500	\$30,000	<ul> <li>gap we need to fill</li> </ul>
	x 25	<ul> <li>100 divided by 4% drawdown</li> </ul>
	\$750,000	<ul> <li>of assets needed</li> </ul>
	\$450,000	<ul> <li>of assets available</li> </ul>
	\$300,000	<ul> <li>additional assets needed</li> </ul>



Figures, calculations and illustrations are hypothetical in nature and are for illustrative purposes only and do not take into account the potential impact of fees, expenses or taxes.





Understand the **risks inherent** in different types of **investments** 

**Get invested** 



Don't pay the cost of waiting

**Diversify** 



A diversified portfolio of investments may allow for more consistent returns

Stay invested



It's "time in" the market, not "timing" the market

**Balance** 



Periodic adjustments
are needed due to varied
economic conditions

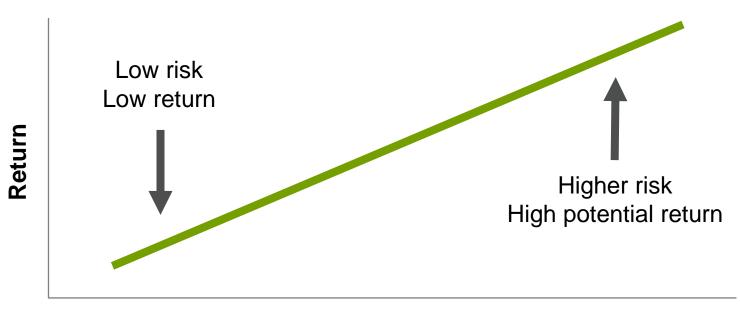
Investment

principles

guiding

## Risk/return relationship

#### Risk/return tradeoff



Standard deviation (or risk)

Source: www.Investopedia.com

Inflation risk. How much will things cost in the future?





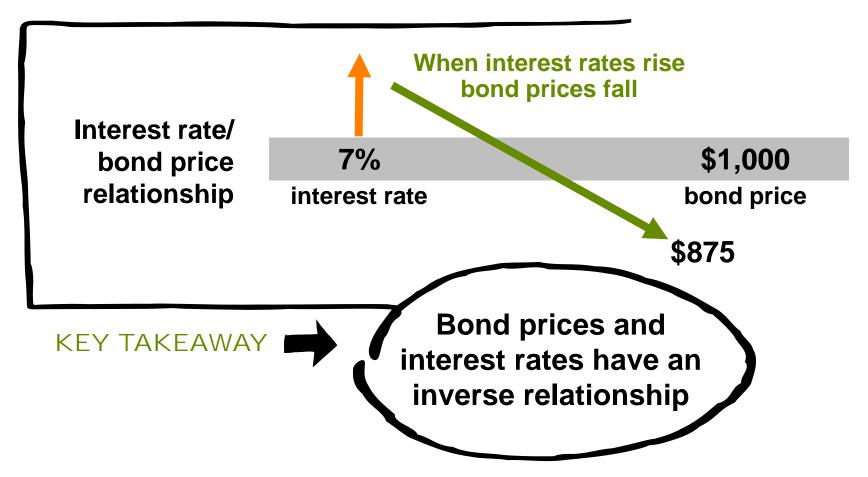
Ford Mustang 1985 \$6,572\*

Ford Mustang 2016 **\$33,295**\*\*

<sup>\*</sup>Thepeoplehistory.com

<sup>\*\*</sup>Ford Mustang GT, caranddriver.com January 2016

Interest rate risk: Understanding the impact of interest rates on bond prices

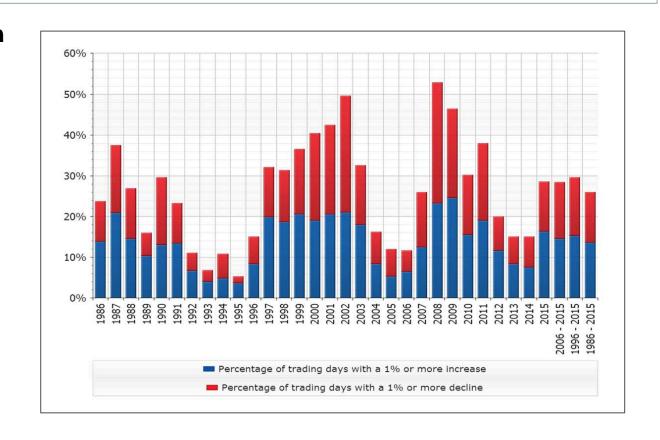


Bonds and other fixed-income securities involve both credit risk and market risk, which includes interest rate risk. Please be sure you understand any risk relative to bonds that may affect you. This is a hypothetical example shown for illustrative purposes only. It does not reflect any specific investment.

## Volatility risk

# Trading days with changes of 1% or more in domestic stock prices

Shows the percentage of days over the past 30 years that the stock market gained (blue bar) or lost (red bar) 1% or more of its value, broken down by positive and negative returns.



Source: ChartSource®, Wealth Management Systems Inc. For the period from January 1, 1986, through December 31, 2015. Stocks are represented by the daily price change of Standard & Poor's Composite Index of 500 Stocks, an unmanaged index that is generally considered representative of the U.S. stock market. It is not possible to invest directly in an index. Past performance is not a guarantee of future results. Copyright © 2016, Wealth Management Systems Inc. All rights reserved. Not responsible for any errors or omissions.

**Manage risks** 



Understand the **risks inherent** in different types of **investments** 

**Get invested** 



Don't pay the cost of waiting

Investment guiding principles

## The investment spectrum

## **Foundation**

- Savings
- Money Market Accounts

## Conservative

- Municipal Bonds
- Corporate Bonds
- Government Bonds

### Growth

• Stocks

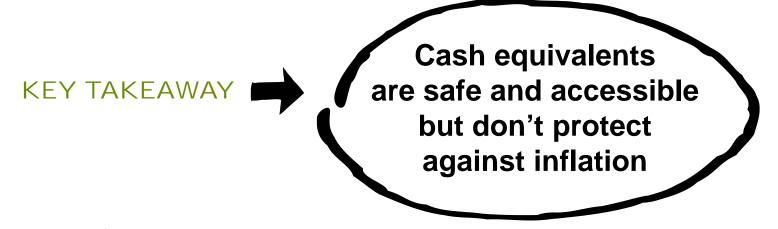
## **Alternative**

- PreciousMetals
- Art
- Real Estate

## **Foundation**

Certificates of Deposit (CDs)\*
Savings account
Checking account
Short-term government bonds
Money Market accounts

#### **Foundation** Conservative Alternative • Savings Municipal Bonds Stocks Precious metals Corporate Bonds Money Market Art Government **Accounts** Bonds Real estate



\*CDs may have penalties for early withdrawals

## Conservative

#### **Bonds**

- Tax-free bonds
  - Municipal: Federal tax-exempt;
     may be state or local,
     depending on your location
  - Government: Local tax-exempt
- Taxable bonds
  - Corporate

KEY TAKEAWAY



Bonds and other fixed-income securities involve both credit risk and market risk, which includes interest rate risk. Please be sure you understand any risk relative to bonds that may affect you.

#### Foundation

- Savings
- Money Market Accounts

#### Conservative

- Municipal Bonds
- Corporate Bonds
- Government Bonds

#### Prowth

Stocks

#### Alternative

- Precious metals
- Art
- Real estate

Bonds involve more risk than cash equivalents but offer the possibility of higher returns

Bonds can be a key tool in your tax-diversification strategy

## Growth

## **Equities**

- Common Stocks
- Preferred Stocks

#### Foundation

- Savings
- Money Market Accounts

#### Conservative

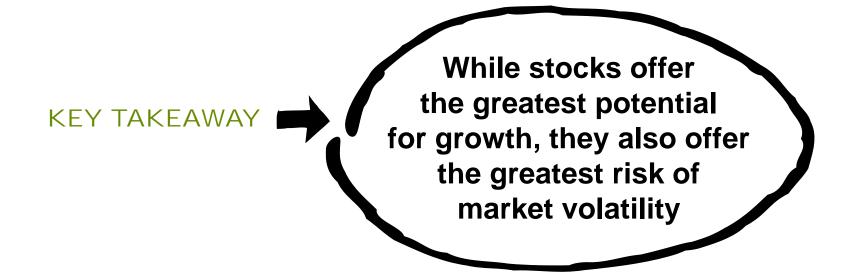
- Municipal Bonds
- Corporate Bonds
- Government Bonds

#### Growth

• Stocks

#### Alternative

- Precious metals
- Art
- Real estate



## **Alternative**

## **Specialty Investments**

- Precious Metals
- Art
- Real estate

#### Foundation C

- Savings
- Money Market Accounts

#### Conservative

- Municipal Bonds
- Corporate Bonds
- Government Bonds

#### Prowth

Stocks

#### Alternative

- Precious metals
- Art
- Real estate

KEY TAKEAWAY



Alternative investments usually have a low correlation to stocks, making them less impacted by market volatility.

They may, however, be less liquid.

## The effect of taxes

Selling a stock held for 12 months or less for a profit Selling a stock held for more than 12 months for a profit Your stock pays a cash dividend or you have it automatically invested back into the security

## Short-term capital gain

Gain subject to income tax at ordinary rates

## Long-term capital gain

For 2016 gain subject to tax at maximum rate of 20%\*

\*For higher income brackets, a 3.8% Medicare surtax may result in a maximum 23.8% rate For 2016 most dividends are subject to tax at **maximum** rate of 20%, although some may still be taxed at ordinary rates

KEY TAKEAWAY



Taxes can significantly impact your rate of return

Manage risks



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A diversified portfolio of investments may allow for more consistent returns

Investment

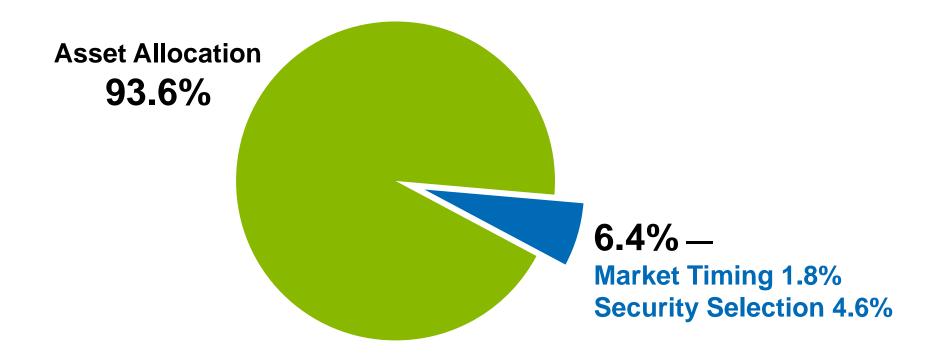
principles

guiding

## **Efficient frontier**



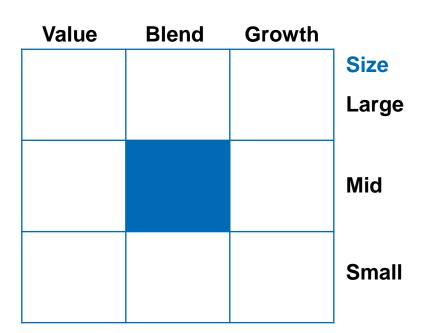
## Determinants of portfolio performance



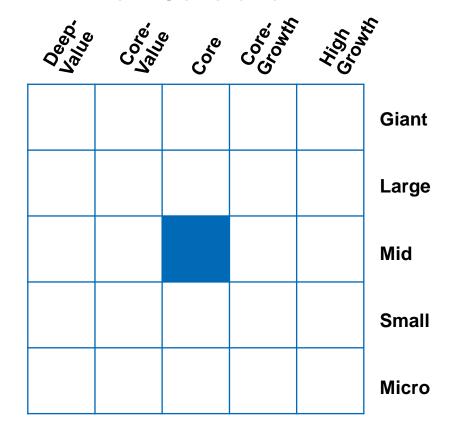
Source: 1986 Brinson, Hood, and Beebower's study (also known as "Determinants of Portfolio Performance")

## Consider fund investment styles

### **Traditional**



### **Next Generation**



Source: Morningstar.com

## The value of a diversified approach

2004

2000 Value

2005

2006

2007

2008

5.24%

Barclays

Corp High

2009

Barclays

Corp High

2010

Russell

2000

2011

Barclays

Corp High

2012

2000 Value

2013

Russell

2000

2014

S&P 500

Growth

14.89%

S&P 500

2015

S&P 500

Growth

5.52%

S&P 500

## Annual Returns for Key Indices Ranked in Order of Performance (2004–2015)



-26.16% 26.85% 4.98% 26.34% 11.17% 58.21% 18.05% 38.82% 13.69% 1.38% S&P 500 S&P 500 Russell S&P 500 S&P 500 S&P 500 Value 2000 Value Growth 2000 Value 2000 Value Growth Value 2000 Value Value 5.82% 4.65% 17.68% 20.25% 23.48% 9.13% -28.92% 12.36% 0.55% S&P 500 S&P 500 S&P 500 Barclavs Russell S&P 500 2000 2000 Value Growth 18.33% 4.91% 20.81% -33.79% 2.11% 32.75% 5.97% S&P 500 Russell S&P 500 S&P 500 Barclays S&P 500 Russell S&P 500 2000 Value 2000 2000 Value Growth Growth Corp High Value Yield 15.71% 18.37% 6.97% -34.92% 31.57% 15.12% -0.48% 16.35% 32.39% S&P 500 S&P 500 S&P 500 S&P 500 S&P 500 S&P 500 Russell Russell Russell S&P 500 2000 2000 Value Value 2000 Value 4.55% 15.79% 5.49% -37.00% 27.17% 15.10% 16.00% 31.99% 4.89% -3.13% Barclays S&P 500 S&P 500 S&P 500 Russell Barclays Russell Corp High Value 2000 Corp High 2000 Value 2000 Yield Yield 11.13% 1.99% 26.47% 15.06% -4.18% 15.81% 4.22% -4.41% S&P 500 S&P 500 Barclays S&P 500 S&P 500 S&P 500 S&P 500 Barclays Barclays Barclays Barclays Corp High Growth Corp High Corp High Growth 2000 Value Growth Corp High Corp High Yield Yield Yield Yield Yield 10.88% 4.00% 11.85% 1.87% -39.22% 21.17% 15.05% 14.61% 7.44% 2.45% -4.47% S&P 500 Barclays S&P 500 Russell Growth Corp High Growth 2000 2000 Value Yield 6.13% 2.74% 11.01% -1.57% -43.38% 20.58% -7.47% Barclavs Barclays 2000 Value 4.34% 2.43%

Source: Callan Associate Inc., 2016. The Table highlights the uncertainty inherent in all capital markets. Rankings change every year.

## The value of a diversified approach

2004

2005

2006

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5.24%

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## Annual Returns for Key Indices Ranked in Order of Performance (2004–2015)



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Source: Callan Associate Inc., 2016. The Table highlights the uncertainty inherent in all capital markets. Rankings change every year.

#### Market Index Descriptions for Annual Percentage Returns Chart (slide 23-24)

**Barclays Aggregate Bond Index** (formerly the Lehman Brothers Aggregate Bond Index) includes U.S. government, corporate, and mortgage-backed securities with maturities of at least one year.

Barclays Corporate High Yield Bond Index measures the market of USD-denominated, non-investment grade, fixed-rate, taxable corporate bonds. Securities are classified as high yield if the middle rating of Moody's, Fitch, and S&P is Ba1/BB+/BB+ or below, excluding emerging market debt.

**MSCI EAFE is a Morgan Stanley Capital International Index** that is designed to measure the performance of the developed stock markets of Europe, Australasia, and the Far East.

**MSCI Emerging Markets** is a Morgan Stanley Capital International Index that is designed to measure the performance of equity markets in 21 emerging countries around the world.

**Russell 2000** measures the performance of small capitalization U.S. stocks. The Russell 2000 is a market-value-weighted index of the 2,000 smallest stocks in the broad-market Russell 3000 Index. These securities are traded on the NYSE, AMEX, and NASDAQ.

Russell 2000 Value and Russell 2000 Growth measure the performance of the growth and value styles of investing in small cap U.S. stocks. The indices are constructed by dividing the market capitalization of the Russell 2000 Index into Growth and Value indices, using style "factors" to make the assignment. The Value Index contains those Russell 2000 securities with a greater-than-average value orientation, while the Growth Index contains those securities with a greater-than-average growth orientation. Securities in the Value Index generally have lower price-to-book and price-earnings ratios than those in the Growth Index. The indices are market-capitalization- weighted. The constituent securities are not mutually exclusive.

**S&P 500** measures the performance of large capitalization U.S. stocks. The S&P 500 is a market-value-weighted index of 500 stocks that are traded on the NYSE, AMEX, and NASDAQ. The weightings make each company's influence on the Index performance directly proportional to that company's market value.

**S&P 500 Growth and S&P 500 Value** measure the performance of the growth and value styles of investing in large cap U.S. stocks. The indices are constructed by dividing the market capitalization of the S&P 500 Index into Growth and Value indices, using style "factors" to make the assignment. The Value Index contains those S&P 500 securities with a greater-than-average value orientation, while the Growth Index contains those securities with a greater-than-average growth orientation. The indices are market-capitalization- weighted. The constituent securities are not mutually exclusive.

A mutual funds portfolio may differ significantly from the securities held in the indices. These indices are not available for direct investment, therefore, their performance does not reflect the expenses associated with the active management of an actual portfolio. Past performance is no guarantee of future results and investment results and principal value will fluctuate so that shares, when redeemed, may be worth more or less than their original cost. Total return includes reinvestment of dividends and capital gains.

## Diversifying with mutual funds

- Investors pool their money to purchase shares in a professionally managed portfolio of stocks, bonds, or other investments
- This provides an affordable way to access professional money managers
- The money managers buy and sell securities based on the stated objective of the mutual fund which often includes diversification

Sample
Investment
<b>Objectives</b>

Growth	Balanced
Income	Sector
Socially Responsible	Tax-Free

While diversification is a useful technique that can help to manage overall portfolio risk and volatility, there is no certainty or assurance that a diversified portfolio will enhance overall return or outperform one that is not diversified.

## Evaluating mutual funds

### **Sales Charges**

Commissions and Loads

#### **Turnover**

Measures how long the holdings are held, which can impact capital gains taxes

### **Expense Ratios**

All annual fees charged by all funds, including the management fee, the administrative costs, 12b-1 distribution fees and other operating expenses

## **Investment Policy**

Cash reserves on hand

KEY TAKEAWAY



These four factors impact earnings

Mutual funds are sold by prospectus, which is available from your registered representative. Please carefully consider investment objectives, risks, charges, and expenses before investing. For this and other information about any mutual fund investment please obtain a prospectus and read it carefully before you invest. Investment return and principal value will fluctuate with changes in market conditions such that shares may be worth more or less than original cost when redeemed. Diversification cannot eliminate the risk of investment losses, and past mutual fund performance is not a guarantee of future results.

# Determining your asset allocation

#### Asset Allocation Questionnaire

The following questions will enable you to determine your time horizon and risk tolerance levels so that you can select a model asset allocation strategy. Please answer all of the questions and then calculate your score as indicated and select the corresponding asset allocation strategy from the provided table. Please remember these are only suggested allocations; the final decision is up to you.

#### What is the primary financial goal for this investment?

A. Retirement	B. Education	C. Estate Planning	D. Other (e.g., down payment toward the purchase of a home)
---------------	--------------	--------------------	---

#### TIME HORIZON QUESTIONS

- What is your current age? For couples, please use the average age of your two ages.
- a) Over 70
- b) 60 70
- c) 46 59
- d) 45 and below
- 2. When would you anticipate taking regular cash distributions from your account ?
- a) Less than 2 years
- b) 2 5 years
- c) 6 9 years
- d) 10 -15 years
- e) More than 15 years, or I do not anticipate taking cash distributions

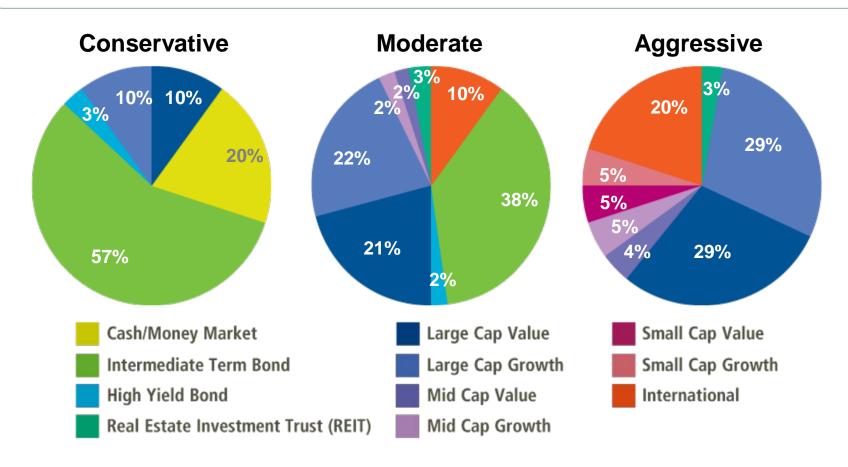
#### **RISK TOLERANCE QUESTIONS**

- 3. Your risk tolerance describes your willingness to accept fluctuations in your account value in order to achieve the long-term financial objective. Which statement best describes your tolerance for risk?
  - Avoiding loss in my account value is more important to me than experiencing long-term growth
  - I desire long-term growth of my account value, but I am more concerned with avoiding losses
  - c) I am concerned with avoiding losses, but this is outweighed by my desire to achieve long-term growth in my account value
  - d) To maximize the chance of experiencing high long-term growth of my account value, I am willing to accept losses



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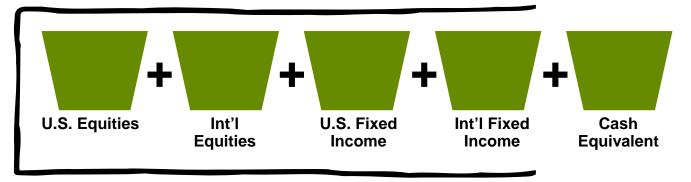
## Asset allocation model portfolios



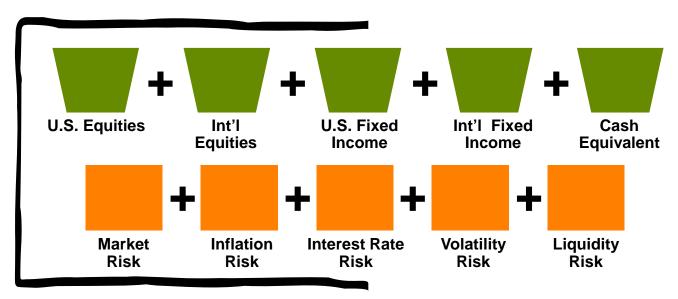
While diversification through an asset allocation strategy is a useful technique that can help to manage overall portfolio risk and volatility, there is no certainty or assurance that a diversified portfolio will enhance overall return or outperform one that is not diversified.

Risk allocation: traditional asset allocation and risk allocation

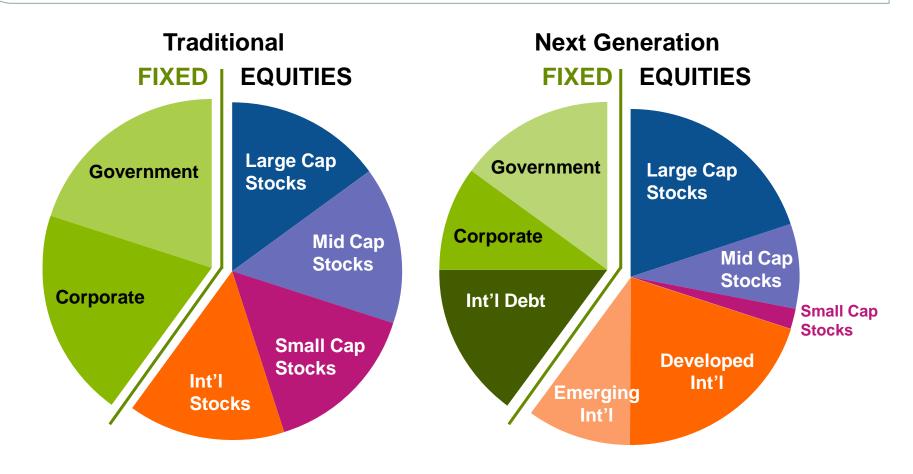




## Another Way



## An example of risk allocation at work



This is a hypothetical example for illustrative purposes only

## Managing risk with the bucket approach

# Allocating money based on when you need it

While diversification through an asset allocation strategy is a useful technique that can help to manage overall portfolio risk and volatility, there is no certainty or assurance that a diversified portfolio will enhance overall return or outperform one that is not diversified.

Now Money

Conservative
Investment Mix
to ensure
"now income"

Later Money

Moderate Investment mix Much Later Money

Aggressive
Investment mix
to allow for growth
over long haul



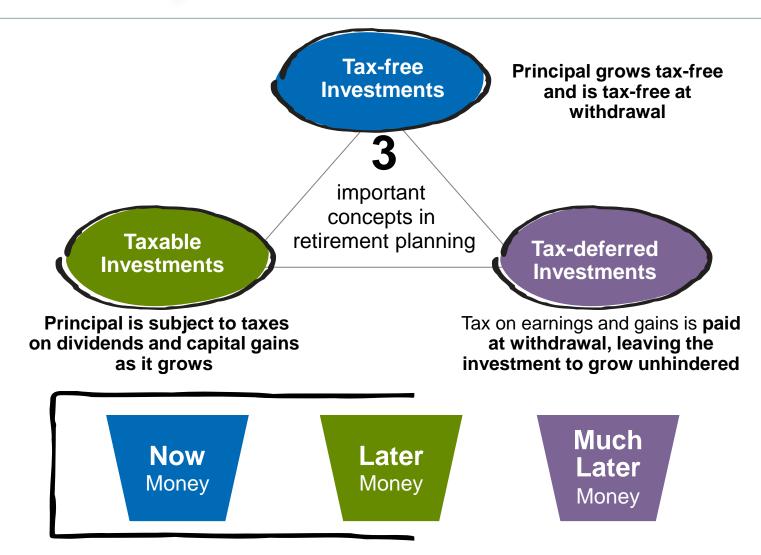


**KEY TAKEAWAY** 



Different allocations may make sense for different time frames

## How do they fit?







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Don't pay the cost of waiting

**Diversify** 



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Stay invested



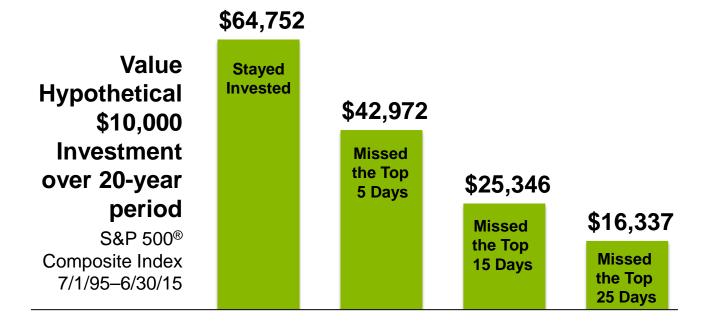
It's "time in" the market, not "timing" the market

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guiding

## Time IN — not timing



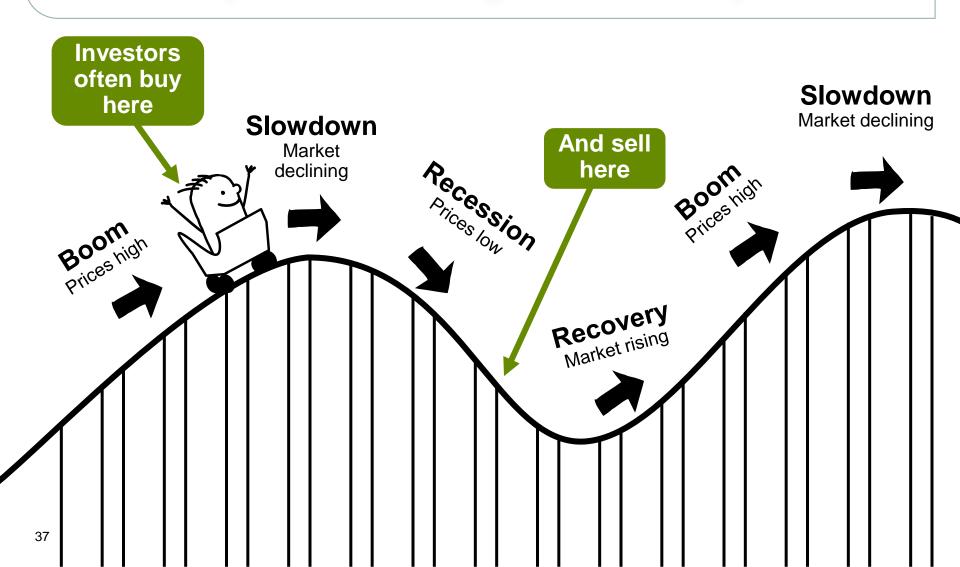
KEY TAKEAWAY

Worth repeating:
It's time IN, not timing

This example is
hypothetical and for
illustrative purposes
only. It does not
represent the past,
present or future
performance of any
actual investment nor is
it a guarantee of any kind.

Source: ChartSource®, Wealth Management Systems Inc. For the period from July 1, 1995, through June 30, 2015. Based on total returns of Standard & Poor's Composite Index of 500 Stocks, an unmanaged index that is generally considered representative of the U.S. stock market. It is not possible to invest directly in an index. Past performance is not a guarantee of future results. Copyright © 2015, Wealth Management Systems Inc.

## Don't let your emotions get the best of you



## Let dollar cost averaging work for you

Month	Monthly Investment	Share Price	Shares Purchased
January	\$500	\$10.00	50.0
February	\$500	\$9.00	55.6
March	\$500	\$8.00	62.5
April	\$500	\$9.00	55.6
Мау	\$500	\$10.00	50.0

Average Cost/Share: \$9.13 (\$2,500/273.7)

KEY TAKEAWAY



When the share price declines, the same monthly investment buys more shares

Dollar Cost Averaging does not ensure a profit nor does it protect against a loss in declining markets. It involves continuous investment in securities regardless of fluctuating price levels. An investor should consider his or her ability to continue purchases in periods of low or fluctuating price levels.





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**Balance** 



Periodic adjustments
are needed due to varied
economic conditions

Investment

principles

guiding

Portfolio rebalancing ....

Don't become the investor that you're not



<sup>\*</sup>Rebalancing involves selling some investments in order to buy others. Investors should keep in mind that selling investments can result in a tax liability.

## Homework: Your retirement budget



MONTHLY EXPENSES	Curr	ent	Retin	ement
	Needs	Wants	Needs	Wants
Housing and Related Expenses		s	. recus	
Rent / mortgage				
Condo / association fees				
Heat / AC / electric				
Phone (home and cell)				
Water / sewer / garbage				
Property taxes				
Homeowners insurance				
Property care (lawn, etc.)				
Home maintenance (repairs, etc.)				
Cable TV / internet				
Other:				
Housing Totals:				
Transportation Expenses				
Car payments / lease				
License / registration / maint.				
Gasoline				
Auto insurance				
Parking / bus / train / air / taxi, etc.				
Other:				
Transportation Totals:				
Personal Expenses				
Groceries / dining out / takeout				
Personal care (e.g., hairdresser) Clothing / shoes				
Exercise / hobbies / clubs				
Vacation / leisure / entertainment				
Education / Jessure / entertainment Education (you / spouse / children)				
Debts (other than car / mortgage)				
Charitable donations				
Gifts to children / grandchildren				
Gifts to others				
Savings				
Federal income tax				
State income tax				
Other:				
Personal Totals:				
Medical Expenses / Insurance Premiums				
Out-of-pocket medical				
Out-of-pocket prescriptions				
Out-of-pocket eye care / glasses				
In-home care services				
Health Insurance Premiums (Medicaid / Medicare)				
Long-Term Care Insurance Premiums				
Life Insurance Premiums				
Disability Income Insurance Premiums				
Other:				
			l .	

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# Today's key learnings



## **Diversification**

attempts to minimize the effect of **volatility** while being invested in the markets

Recognizing risks
and finding ways to
manage them can be just
as important as choosing
the right investments

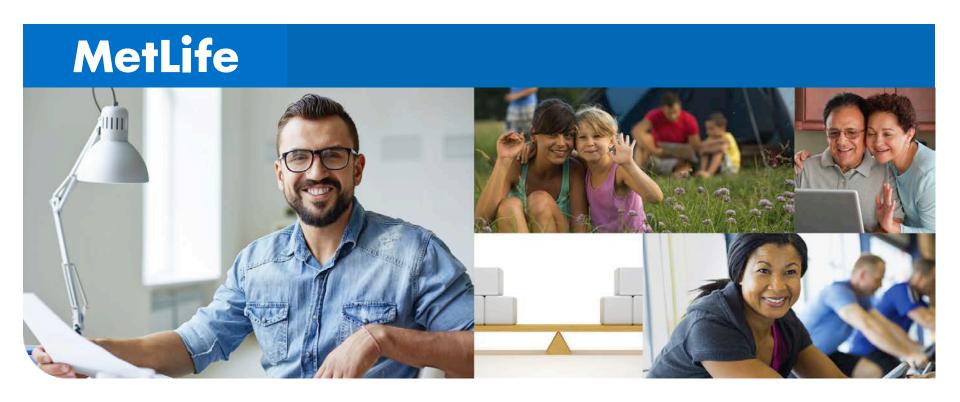
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Past performance is no guarantee of future results. Diversification does not ensure a profit or guarantee against a loss.

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## **Next step**



## retirewise®

Establishing Your Retirement Income Stream





