# WELLS FARGO Investment Institute



Tracie McMillion, CFA Head of Global Asset Allocation

Douglas Beath, Global Investment Strategist Michael Taylor, CFA Investment Strategy Analyst

Veronica Willis Global Investment Strategist Michelle Wan, CFA
Investment Strategy Analyst

Jeremy Folsom Investment Strategy Analyst



#### Key takeaways

- We believe that meeting long-term financial goals requires an equally long-term horizon and tools to manage wealth.
- Capital market assumptions (CMAs) are the foundation for our Strategic Asset Allocation portfolios and are based on the trends we expect to persist or change over the long term as the global economy slowly evolves.\*
- Inflation is the basic building block we use to create the CMAs. We believe inflation will remain below its long-term average of 3.3% over the long-term, strategic time frame. Our inflation forecast of 2.5% is above the Federal Reserve's (Fed's) target. This forecast reflects our expectation for inflation to remain elevated through 2024 before returning to levels closer to the Fed's target.
- We also have noted that real (or inflation-adjusted) cash returns have been negative for
  most of the past 20 years. That's because money market instruments yielded less than
  inflation. Over the forecast period, we expect cash returns to average the inflation rate,
  2.5%. Our expectation for neither a discount nor a premium reflects the observation that the
  long-term historical premium has decreased significantly over the past several years.
- We think that U.S. economic growth will continue to outpace the economic growth of other developed market countries.
- In general, expected returns and standard deviations have been adjusted modestly to reflect our forward-looking expectations and to align with the past 20 years, a period of time that saw inflation rates similar to the inflation rate we are forecasting for the long term.
- Our strategic asset allocation recommendations include:
  - Fixed income: Allocations favor U.S. fixed income over international fixed income.
  - *Equity:* Allocations favor U.S. equities over international equities.
  - Real assets: Allocations to commodities and private real estate provide attractive diversification benefits.
  - Alternative investments: Allocations continue to favor private capital and a mix of hedging strategies in an effort to improve risk-adjusted return expectations.

<sup>\*</sup>CMA forecasts are not promises of actual returns or performance that may be realized. They are based on estimates and assumptions that may not occur.

#### Long-term expectations

Investing poses many challenges in the pursuit of accumulating or managing existing wealth. Investors have financial goals that coincide with various points in their lifetimes. These goals can be immediate, short term, or long term. Therefore, it is important to differentiate between what's happening now, what may happen next, and what may happen later.

Because they're forward-looking expectations, our CMAs focus on what may happen in the future. They are long-term averages designed to reflect what investors may experience through multiple market cycles. During this period, equity markets and interest rates are likely to rise and fall as the economy goes through both expansions and recessions. These assumptions take historical relationships into consideration but do not assume the future will be exactly like the past. In other words, they are not strictly historical averages.

This year, we've increased our inflation expectation to 2.5% from 2.25%, acknowledging that inflation could remain elevated over the next couple of years before eventually trending to lower levels over time. Our inflation expectation is also consistent with the historical observation that Consumer Price Index (CPI) inflation runs around 50 basis points (bps; 100 bps equal 1.00%) higher than personal consumption expenditures (PCE), which is the inflation measure that the Fed targets. Inflation is the basic building block we use to create the CMAs for asset classes. Our inflation forecast is below the longer-term average of 3.3%.

We also have noted that real (or inflation-adjusted) cash returns have been negative for most of the past 20 years. That's because money market instruments yielded less than inflation. Over the forecast period, we expect cash returns to equal inflation.

#### Deriving long-term expectations

When anticipating the performance of the economy and markets over the long run, it's important to understand the long-term trends. The economy and the markets may have short-term fluctuations, but long-term trends reflect the underlying fundamentals of our economic and political system. Historically, these have not changed substantially from year to year. It's difficult to know what will happen in any given year, but it may be possible to estimate what we believe is likely to happen, on average, over a long time period based on long-term trends and the variability of those trends.

# Expecting long-term trends to continue

In developing our forward-looking, long-term CMAs, we take historical performance into consideration but also consider potential changes to existing trends. For example, the economy's quick recovery from the pandemic downturn allowed for a sharp reversal in inflation beginning in 2021, and we expect elevated inflation to persist at least through 2024. However, we also expect a moderate pace of economic growth in the post-pandemic world to lessen the risk of inflation that exceeds the Fed's target rate over the longer term.

Elevated inflation has been amplified by shortages and supply-chain disruptions created by the pandemic and escalated by the Russia-Ukraine war. While we do expect inflation to moderate from current levels, we are expecting increased inflation compared with recent years based on several broad trends. We believe the regionalization and re-shoring effort in global supply chains will lead to higher inflation in the long run. Added wage pressures in a tighter labor market, higher commodity prices, a weaker U.S. dollar, and the erosion of other structural restraints on inflation in recent decades should also contribute to slightly higher inflation. For example, low financing costs of the past that eased barriers to industry entry are increasing. Additionally, stricter antitrust policies are unwinding the low cost that companies enjoyed from monetizing clients' personal data and other intangible assets.

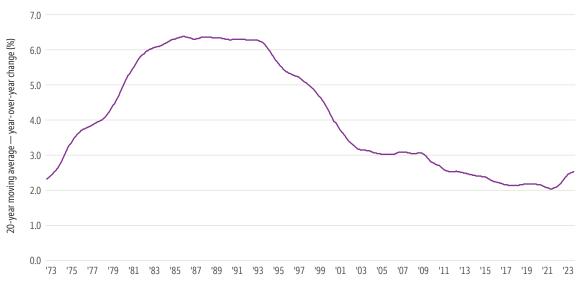
Because they're forwardlooking expectations, our CMAs focus on what may happen in the future. We assume that cash returns will equal inflation over our strategic horizon and that bond investors will require a premium above cash for duration¹ and credit risk. We also expect the long-term upward trend in corporate profits to persist as inflation remains below its long-term average and competition creates an incentive for businesses to innovate and grow in order to survive. We expect investors to continue to demand more return for additional risk, which supports our view that equities are likely to continue to return more than fixed income over the long run.

#### Inflation reverses course

Inflation is one of the greatest threats to accumulating and preserving wealth. Even a little inflation can add up to big price increases over many years, eroding the purchasing power of accumulated savings. U.S. consumer price inflation has averaged 2.5% during the past 10 and 20 years. At a 2.5% average yearly increase in prices, the cost of consumer goods and services would have increased a total of 27.8% during the past decade. Investors will need to hold assets that can grow faster than the inflation rate, or the overall purchasing power of their investments will diminish. While we expect inflation to remain elevated over the next couple of years, we believe inflation will moderate post-2024. For the long term, we assume consumer price inflation will average 2.5%, which is above the Fed's target rate and consistent with the 20-year historical average.

#### Long-term trend in inflation has moved higher

20-year average of 12-month change in consumer price inflation



Looking ahead, we assume inflation will average 2.5%.

**Sources:** Bloomberg, Bureau of Labor Statistics, and Wells Fargo Investment Institute. Monthly data from January 1, 1973 to May 31, 2023. Chart is for illustrative purposes only. Start date chosen to reflect 50 years of data.

The Consumer Price Index is a measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food, and medical care. It is calculated by taking price changes for each item in the predetermined basket of goods and averaging them.

# Interest rates move higher after historically low rate environment

Long-term interest rates had been in a downward trend for more than 40 years but appear to have bottomed in 2020 and have reset higher after the Fed's monetary policy tightening in 2022 and 2023. Looking ahead, interest rates may remain below longer-term averages, but over the long term, we believe rates may periodically rise above or below current levels. As interest rates and bond yields rise, the prices of outstanding bonds tend to drop in value and vice versa.

Of course, the total return (price return plus current yield) on fixed-income instruments should still be positive even if rates increase modestly. Rising bond yields depressed bond prices in 2022, but we believe that yields could trend modestly lower from current levels over the long term. Fixed-income securities can play an important role in diversifying a portfolio to help manage risk. Therefore, we recommend that most portfolios include an allocation to fixed income.

1. Duration is a measure of interest-rate sensitivity.

#### Interest rates have broken their long-term trend lower

10-year U.S. Treasury note yields



Sources: Bloomberg and Wells Fargo Investment Institute. Monthly data from January 1, 1965 to May 31, 2023.

Yields represent past performance. **Past performance is no guarantee of future results.** The current yield may be lower or higher than that quoted. Yields fluctuate as market conditions change.

# Corporate profits may be peaking

The economy quickly recovered from the pandemic-related recession; however, growth is now slowing, concerns of an economic recession are mounting, and the S&P 500 Index remains below its all-time high. Corporate profits have continued to move higher despite the market downturn but are beginning to contract. We expect that over the long-term strategic time frame, profits will rise and equities will offer higher returns (although with more volatility) than fixed income.

# U.S. stocks and corporate profits have tended to move in tandem S&P 500 Index and corporate profits



Sources: Bloomberg and Wells Fargo Investment Institute. Monthly data from January 1, 1960 to May 31, 2023.

The S&P 500 Index is a capitalization-weighted index of 500 stocks designed to measure performance of the broad U.S. economy through changes in the aggregate market value of 500 stocks representing all major industries. Trailing earnings per share is based on the S&P 500 Index and is the sum of the earnings per share over the most recent 12 months.

For illustrative purposes only. An index is unmanaged and is not available for direct investing. Past performance is no guarantee of future results.

We expect that over the long-term strategic time frame, equities will offer higher returns (although with more volatility) than fixed income.

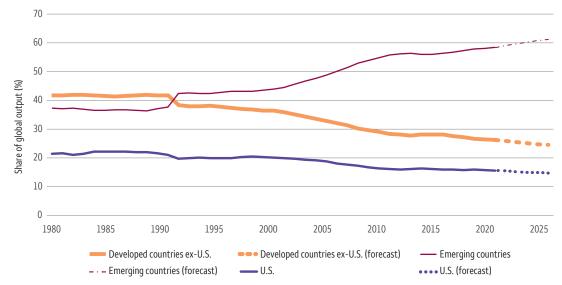
#### International opportunities

As the chart below shows, the global economy continues to evolve, with the percentage of economic activity outside the U.S. growing over time. Global economic cycles that differ from U.S. economic cycles could create opportunities to earn positive international (developed and emerging markets) returns, possibly even during times when the U.S. economy slows. We believe investors should consider maintaining exposure to international markets in an effort to help reduce volatility risk during various parts of the economic cycle. At the same time, we foresee that the historical ebb and flow in the U.S. dollar's value could continue to generate some periods of dollar weakness that may contribute to international investment returns. Looking forward, we expect the long-term opportunity to exploit broadening and widespread international economic growth to add to the return potential of a diversified portfolio.

# Global economic performance that's unsynchronized with the U.S. economy could produce opportunities to earn positive international returns at times when the U.S. economy struggles.

#### Global economy continues to evolve

Share of global output, as measured by gross domestic product



**Source:** International Monetary Fund. Annual data from January 1, 1980 to December 31, 2027. Actual data through December 31, 2022; forecast data through December 31, 2027.

Dotted lines represent International Monetary Fund estimates for years after 2022. For illustrative purposes only. Forecasts are not guaranteed and are based on certain assumptions and on views of market and economic conditions, which are subject to change.

# The building-block approach

One of the underlying long-term relationships we do not expect to change is the trade-off between risk and reward. Investors are generally risk averse. This premise is the basis for the building-block approach, a methodology that uses estimates for various risk premia to forecast longer-term return assumptions. We assume that investors are generally willing to accept a lower rate of return on less-volatile assets but demand a higher return for more-volatile assets.

Our CMAs start with the basic building block of expected inflation. Investors may be willing to purchase assets with returns below the rate of inflation in the short run under certain economic conditions, but we do not expect investors will accept a rate of return below inflation over the long term.

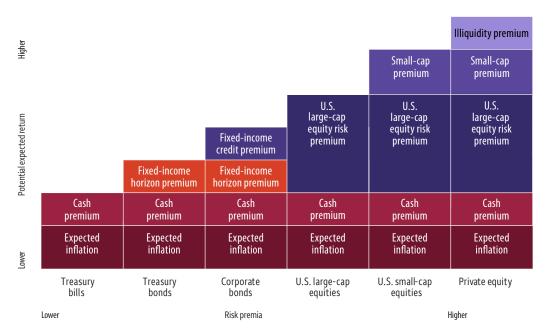
After setting what we believe to be the expected rate of inflation, we add risk premia that we anticipate investors are likely to require to hold assets with increasing volatility risk. Historically, fixed-income investments have been less volatile than equities and, therefore, command a lower risk premium. We do not know the exact return a fixed-income asset is likely to produce in a specific year. But historical market relationships among asset classes have tended to be relatively stable over time and can help determine the risk premium that investors are likely to demand for fixed-income instruments over many years.

After deriving the cash premium or discount (our estimation of the risk-free rate of return), we add the extra risk premium that investors will likely require to hold equities and then add an illiquidity premium qualified investors are likely to require to purchase private capital. These building blocks sum to the total return investors are likely to demand to invest in increasingly risky assets over the long run.

Applying this technique, we started with the assumption that inflation is likely to average 2.5% over the long term. We assume that interest rates on cash alternatives will increase over the course of our strategic horizon, with a rate of return equal to inflation at 2.5%.

As we moved to more historically volatile asset classes, we increased the risk premia to reflect returns that we anticipate investors will accept to take on the higher risk of those more volatile assets. The following illustration shows conceptually how the components of return build as risk increases.

#### Conceptual view of building-block risk premia



sum to the total return investors are likely to demand to invest in increasingly volatile assets over the long run.

These building blocks

For illustrative purposes only. Chart is conceptual and does not reflect any actual returns.

For illustrative purposes only. Chart is conceptual and does not reflect any actual returns or represent any specific asset classifications.

# Understanding risk

Two different statistical measures are often used within the investment industry to calculate volatility risk. One is the standard deviation of gains and losses on an asset over many periods. The other measure, downside risk, focuses on the potential loss an asset could experience in a particularly bad year. Downside risk is not the maximum risk of loss on the asset or a peak-to-trough expected loss during a downside event. It is the level a loss is likely to exceed, on average, about 5% of the time or once in 20 years over a 12-month period. The loss in that event is estimated to be as bad as the downside risk figure or worse.

We assume a log-normal distribution (meaning the logarithm of returns is assumed to be normally distributed) when deriving the standard deviation and downside risk for a given asset class.

Of course, statistical measures cannot tell us what will happen in any specific year, and actual experience does not always follow long-term statistical averages. Therefore, a one-in-20-year event could happen more than once in 20 years, just like a one-in-two chance of flipping a coin and getting heads could happen several times in a row, not just every other time. Despite these shortcomings, measures of variability risk can help an investor compare the risk and return characteristics of individual assets or portfolios to better assess the potential risk of holding those positions.

#### 2023 asset-class return and volatility assumptions

Capital market assumptions (long-term time horizon)

U.S. Short Term Tax Exempt Fixed Income  2.7% 2.6% 1.8% 2.6% -0.2% 0.09  U.S. Intermediate Term Tax Exempt Fixed Income 3.4% 3.3% 4.0% 3.3% -3.1% 0.21  U.S. Long Term Tax Exempt Fixed Income 4.6% 4.5% 5.3% 4.5% -3.8% 0.40  High Yield Tax Exempt Fixed Income 6.1% 5.8% 7.5% 5.8% -5.8% -5.8% 0.48  Developed Market ex-U.S. Fixed Income 3.0% 2.7% 8.0% 2.7% -9.6% 0.06  Emerging Market Fixed Income 3.8% 3.5% 7.5% 3.5% -8.7% 0.45  Inflation-Linked Fixed Income 3.8% 3.5% 7.5% 3.5% -8.1% 0.17  Preferred Stock 5.1% 4.4% 11.5% 4.4% -12.7% 0.22  U.S. Large Cap Equities 8.9% 7.8% 16.0% 1.9% 1.7% 1.7% 1.60% 0.42  U.S. Small Cap Equities 9.8% 8.0% 2.0% 1.4% -19.8% 0.36  Developed Market ex-U.S. Equities 8.2% 6.9% 17.0% 2.9% -17.3% 0.33  Emerging Market Equities 9.9% 8.0% 21.0% 2.7% -20.9% 0.35  Private Real Estate 8.9% 8.1% 13.0% 5.0% -11.1% 0.49  Private Infrastructure 8.8% 8.2% 12.0% 4.3% -9.7% 0.53  Master Limited Partnerships (MLPs) 1.0% 8.5% 1.0% 0.0% -1.5.5% 0.39 Global Hedge Funds Redge Funds Red	Asset class	Arithmetic return	Geometric return	Standard deviation	Yield	Downside risk	Sharpe ratio
Last   Seempt Cash Alternatives   2.1%   2.1%   0.5%   2.1%   1.3%   -0.75	Inflation	2.5%	-	-	-	-	-
U.S. Taxable Investment Grade Fixed Income 3.9% 3.9% 3.8% 3.9% -2.1% 0.39 U.S. Short Term Taxable Fixed Income 3.1% 3.1% 1.5% 3.1% 0.7% 0.42 U.S. Intermediate Term Taxable Fixed Income 5.4% 5.0% 9.0% 5.0% -8.7% 0.32 U.S. Long Term Taxable Fixed Income 7.2% 6.7% 9.9% 6.7% -7.7% 0.49 U.S. Taxable Fixed Income 7.2% 6.7% 9.9% 6.7% -7.7% 0.49 U.S. Taxable Fixed Income 1.2% 6.7% 9.5% 6.7% -7.7% 0.49 U.S. Taxable Fixed Income 2.7% 2.6% 1.8% 2.6% -0.2% 0.09 U.S. Intermediate Term Tax Exempt Fixed Income 2.7% 2.6% 1.8% 2.6% -0.2% 0.09 U.S. Intermediate Term Tax Exempt Fixed Income 3.4% 3.3% 4.0% 3.3% -3.1% 0.21 U.S. Long Term Tax Exempt Fixed Income 3.4% 3.3% 4.0% 3.3% -3.1% 0.21 U.S. Long Term Tax Exempt Fixed Income 4.6% 4.5% 5.3% 4.5% 1.8% 0.40 High Yield Tax Exempt Fixed Income 6.1% 5.5% 7.5% 5.5% 1.8% 0.40 High Yield Tax Exempt Fixed Income 6.1% 5.5% 7.5% 5.5% 1.8% 0.40 U.S. Incomplex Action Income 7.0% 6.5% 10.0% 6.5% 1.0% 0.06 Emerging Market Exed U.S. Fixed Income 7.0% 6.5% 10.0% 6.5% 1.0% 0.45 Inflation-Linked Fixed Income 3.8% 3.5% 7.5% 3.5% -8.1% 0.17 Preferred Stock 5.1% 4.4% 11.5% 4.4% 11.27% 0.22 U.S. Large Cap Equities 9.6% 8.3% 17.0% 1.7% 1.60% 0.42 U.S. Small Cap Equities 9.6% 8.3% 17.0% 1.7% 1.60% 0.42 U.S. Small Cap Equities 9.8% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 2.0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 0.0% 1.4% 1.19.8% 0.36 Developed Market ex-U.S. Equities 9.9% 8.0% 0.0% 1.0% 0.0% 1.10% 0.35 Private Real Estate 8.9% 8.1% 1.1% 1.10% 0.0% 1.10% 0.0% 1.10% 0.35 Private Infrastructure 8.8% 8.2% 1.2.0% 0.0% 1.5.0% 0.0% 1.5.5% 0.39 P	Taxable Cash Alternatives	2.5%	2.5%	0.5%	2.5%	1.7%	-
U.S. Short Term Taxable Fixed Income 3.1% 3.1% 1.5% 3.1% 0.7% 0.42 U.S. Intermediate Term Taxable Fixed Income 3.9% 3.9% 3.5% 3.9% 1.7% 0.41 U.S. Long Term Taxable Fixed Income 5.4% 5.0% 9.0% 5.0% 6.7% 7.7% 0.49 U.S. Tax Exempt Investment Grade Fixed Income 3.4% 3.3% 4.3% 3.3% 3.3% 3.3% 3.3% 3.3%	Tax Exempt Cash Alternatives	2.1%	2.1%	0.5%	2.1%	1.3%	-0.75
U.S. Intermediate Term Taxable Fixed Income         3.9%         3.9%         3.5%         3.9%         -1.7%         0.41           U.S. Long Term Taxable Fixed Income         5.4%         5.0%         9.0%         5.0%         -8.7%         0.32           High Yield Taxable Fixed Income         7.2%         6.7%         9.5%         6.7%         -7.7%         0.49           U.S. Tax Exempt Income         3.4%         3.3%         4.3%         3.3%         -3.5%         0.20           U.S. Short Term Tax Exempt Fixed Income         2.7%         2.6%         1.8%         2.6%         -0.2%         0.09           U.S. Long Term Tax Exempt Fixed Income         3.4%         3.3%         4.0%         3.3%         -3.1%         0.21           U.S. Long Term Tax Exempt Fixed Income         4.6%         4.5%         5.3%         4.5%         -3.8%         0.40           High Yield Tax Exempt Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market ex-U.S. Fixed Income         3.0%         2.7%         8.0%         2.7%         9.6%         0.06           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.1	U.S. Taxable Investment Grade Fixed Income	3.9%	3.9%	3.8%	3.9%	-2.1%	0.39
U.S. Long Term Taxable Fixed Income   7.2%   6.7%   9.5%   6.7%   -7.7%   0.49     U.S. Tax Exempt Investment Grade Fixed Income   2.7%   2.6%   1.8%   2.6%   -0.2%   0.09     U.S. Short Term Tax Exempt Fixed Income   2.7%   2.6%   1.8%   2.6%   -0.2%   0.09     U.S. Intermediate Term Tax Exempt Fixed Income   2.7%   2.6%   1.8%   2.6%   -0.2%   0.09     U.S. Long Term Tax Exempt Fixed Income   4.6%   4.5%   5.3%   4.5%   -3.8%   0.40     U.S. Long Term Tax Exempt Fixed Income   4.6%   4.5%   5.3%   4.5%   -3.8%   0.40     High Yield Tax Exempt Fixed Income   6.1%   5.8%   7.5%   5.8%   -5.8%   0.48     Developed Market ex-U.S. Fixed Income   3.0%   2.7%   8.0%   2.7%   9.6%   0.06     Emerging Market Fixed Income   3.8%   3.5%   7.5%   3.5%   8.1%   0.45     Inflation-Linked Fixed Income   3.8%   3.5%   7.5%   3.5%   8.1%   0.17     Preferred Stock   5.1%   4.4%   11.5%   4.4%   -12.7%   0.22     U.S. Large Cap Equities   9.6%   8.3%   17.0%   1.7%   -16.0%   0.42     U.S. Small Cap Equities   9.8%   8.0%   20.0%   1.4%   -19.8%   0.36     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   21.0%   2.7%   -20.9%   0.35     Developed Market Ex-U.S. Equities   9.9%   8.0%   2.0%   2.0%   -15.5%   0.39     Developed Market Ex-U.S. Equities   9.9%   8.0%   2.0%   2.0%   -15.5%   0.35     D	U.S. Short Term Taxable Fixed Income	3.1%	3.1%	1.5%	3.1%	0.7%	0.42
High Yield Taxable Fixed Income  7.2% 6.7% 9.5% 6.7% -7.7% 0.49  U.S. Tax Exempt Investment Grade Fixed Income  2.7% 2.6% 1.8% 2.6% 0.0% 0.09  U.S. Intermediate Term Tax Exempt Fixed Income  3.4% 3.3% 4.0% 3.3% -3.1% 0.21  U.S. Long Term Tax Exempt Fixed Income  4.6% 4.5% 5.3% 4.5% -3.8% 0.40  High Yield Tax Exempt Fixed Income  6.1% 5.8% 7.5% 5.8% -5.8% 0.48  Developed Market ex-U.S. Fixed Income  3.0% 2.7% 8.0% 2.7% 9.6% 0.06  Emerging Market Fixed Income  7.0% 6.5% 10.0% 6.5% -8.7% 0.45  Inflation-Linked Fixed Income  3.8% 3.5% 7.5% 3.5% -8.1% 0.17  Preferred Stock  5.1% 4.4% 11.5% 4.4% -12.7% 0.22  U.S. Large Cap Equities  8.9% 7.8% 16.0% 1.9% -15.2% 0.40  U.S. Small Cap Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% -19.8% 0.36  Developed Market Equities  9.9% 8.0% 2.00% 1.4% 0.9% 0.9% 0.35  Emerging Market Equities  9.9% 8.0% 2.00% 1.4% 0.9% 0.9% 0.35  Emerging Market Equities  9.9% 8.0% 0.0% 0.0% 0.5% 0.0% 0.36  Developed Market Equities  9.9% 8.0% 0.0% 0.0% 0.5% 0.0% 0.0% 0.0% 0.0% 0	U.S. Intermediate Term Taxable Fixed Income	3.9%	3.9%	3.5%	3.9%	-1.7%	0.41
U.S. Tax Exempt Investment Grade Fixed Income 2.7% 2.6% 1.8% 2.6% -0.2% 0.09 U.S. Intermediate Term Tax Exempt Fixed Income 3.4% 3.3% 4.0% 3.3% -3.1% 0.21 U.S. Long Term Tax Exempt Fixed Income 4.6% 4.5% 5.3% 4.5% -3.8% 0.40 High Yield Tax Exempt Fixed Income 6.1% 5.8% 7.5% 5.8% -5.8% -5.8% 0.48 Developed Market Exed Income 3.0% 2.7% 8.0% 2.7% 8.0% 2.7% 8.0% 2.7% 8.0% 2.7% 8.0% 2.7% 0.06  Emerging Market Fixed Income 3.8% 3.5% 7.5% 3.5% -8.1% 0.17 Preferred Stock 5.1% 4.4% 11.5% 4.4% -12.7% 0.22 U.S. Large Cap Equities 8.9% 7.8% 16.0% 1.9% -15.2% 0.40 U.S. Mid Cap Equities 9.6% 8.3% 17.0% 1.7% 1.1% 1.60% 0.42 U.S. Small Cap Equities 9.8% 8.0% 2.0.0% 1.4% -19.8% 0.36 Developed Market Ex-U.S. Equities 9.9% 8.0% 2.0% 1.1.4% -1.9.8% 0.36 Developed Market Ex-U.S. Equities 9.9% 8.0% 2.0% 1.4% -1.9.8% 0.36 Developed Market Ex-U.S. Equities 9.9% 8.0% 2.0% 1.4% -1.9.8% 0.36 Developed Market Ex-U.S. Equities 9.9% 8.0% 2.0% 1.1.1% 0.49 Private Infrastructure 8.8% 8.2% 1.2.0% 4.3% -9.7% 0.53 Master Limited Partnerships (MLPs) 1.0% 8.5% 1.8.0% 7.5% 1.6.0% 0.0% -1.5.5% 0.39 Global Hedge Funds - Relative Value 5.9% 5.7% 7.0% 0.0% -5.2% 0.49 Hedge Funds — Relative Value 5.9% 5.7% 7.0% 0.0% -5.2% 0.49 Hedge Funds — Relative Hedge 6.5% 6.1% 8.5% 0.0% -6.8% 0.42 Hedge Funds — Equity Hedge 6.5% 6.1% 8.5% 0.0% -6.8% 0.42 Private Equity Hedge 6.5% 6.1% 8.5% 0.0% -6.9% 0.0% -6.8% 0.42 Private Equity Hedge 6.5% 6.1% 8.5% 0.0% -6.9% 0.0% -6.9% 0.47 Global Liquid Alternatives 3.5% 3.4% 4.0% 0.0% -17.0% 0.05	U.S. Long Term Taxable Fixed Income	5.4%	5.0%	9.0%	5.0%	-8.7%	0.32
U.S. Short Term Tax Exempt Fixed Income         2.7%         2.6%         1.8%         2.6%         -0.2%         0.09           U.S. Intermediate Term Tax Exempt Fixed Income         3.4%         3.3%         4.0%         3.3%         -3.1%         0.21           U.S. Long Term Tax Exempt Fixed Income         4.6%         4.5%         5.3%         4.5%         -3.8%         0.40           High Yield Tax Exempt Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market Exe U.S. Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market Exe U.S. Fixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         4.4%         -12.7%	High Yield Taxable Fixed Income	7.2%	6.7%	9.5%	6.7%	-7.7%	0.49
U.S. Intermediate Term Tax Exempt Fixed Income         3.4%         3.3%         4.0%         3.3%         -3.1%         0.21           U.S. Long Term Tax Exempt Fixed Income         4.6%         4.5%         5.3%         4.5%         -3.8%         0.40           High Yield Tax Exempt Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market ex-U.S. Fixed Income         3.0%         2.7%         8.0%         2.7%         -9.6%         0.06           Emerging Market Eixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.9%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.9%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed	U.S. Tax Exempt Investment Grade Fixed Income	3.4%	3.3%	4.3%	3.3%	-3.5%	0.20
U.S. Long Term Tax Exempt Fixed Income         4.6%         4.5%         5.3%         4.5%         -3.8%         0.40           High Yield Tax Exempt Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market ex-U.S. Fixed Income         3.0%         2.7%         8.0%         2.7%         -9.6%         0.06           Emerging Market Fixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities	U.S. Short Term Tax Exempt Fixed Income	2.7%	2.6%	1.8%	2.6%	-0.2%	0.09
High Yield Tax Exempt Fixed Income         6.1%         5.8%         7.5%         5.8%         -5.8%         0.48           Developed Market ex-U.S. Fixed Income         3.0%         2.7%         8.0%         2.7%         -9.6%         0.06           Emerging Market Fixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mail Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.8%         8.0%         21.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%<	U.S. Intermediate Term Tax Exempt Fixed Income	3.4%	3.3%	4.0%	3.3%	-3.1%	0.21
Developed Market ex-U.S. Fixed Income         3.0%         2.7%         8.0%         2.7%         -9.6%         0.06           Emerging Market Fixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.9%         8.0%         21.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%<	U.S. Long Term Tax Exempt Fixed Income	4.6%	4.5%	5.3%	4.5%	-3.8%	0.40
Emerging Market Fixed Income         7.0%         6.5%         10.0%         6.5%         -8.7%         0.45           Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market Equities         9.9%         8.0%         21.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Imited Partnerships (MLPs)         10.0%	High Yield Tax Exempt Fixed Income	6.1%	5.8%	7.5%	5.8%	-5.8%	0.48
Inflation-Linked Fixed Income         3.8%         3.5%         7.5%         3.5%         -8.1%         0.17           Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%	Developed Market ex-U.S. Fixed Income	3.0%	2.7%	8.0%	2.7%	-9.6%	0.06
Preferred Stock         5.1%         4.4%         11.5%         4.4%         -12.7%         0.22           U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Beal Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Beal Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         <	Emerging Market Fixed Income	7.0%	6.5%	10.0%	6.5%	-8.7%	0.45
U.S. Large Cap Equities         8.9%         7.8%         16.0%         1.9%         -15.2%         0.40           U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.6%	Inflation-Linked Fixed Income	3.8%	3.5%	7.5%	3.5%	-8.1%	0.17
U.S. Mid Cap Equities         9.6%         8.3%         17.0%         1.7%         -16.0%         0.42           U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.42           Hedge Funds — Event Driven         6.4%         6.2% <td>Preferred Stock</td> <td>5.1%</td> <td>4.4%</td> <td>11.5%</td> <td>4.4%</td> <td>-12.7%</td> <td>0.22</td>	Preferred Stock	5.1%	4.4%	11.5%	4.4%	-12.7%	0.22
U.S. Small Cap Equities         9.8%         8.0%         20.0%         1.4%         -19.8%         0.36           Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.6%         8.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%	U.S. Large Cap Equities	8.9%	7.8%	16.0%	1.9%	-15.2%	0.40
Developed Market ex-U.S. Equities         8.2%         6.9%         17.0%         2.9%         -17.3%         0.33           Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Event Driven         6.4%         6.2%	U.S. Mid Cap Equities	9.6%	8.3%	17.0%	1.7%	-16.0%	0.42
Emerging Market Equities         9.9%         8.0%         21.0%         2.7%         -20.9%         0.35           Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4% <t< td=""><td>U.S. Small Cap Equities</td><td>9.8%</td><td>8.0%</td><td>20.0%</td><td>1.4%</td><td>-19.8%</td><td>0.36</td></t<>	U.S. Small Cap Equities	9.8%	8.0%	20.0%	1.4%	-19.8%	0.36
Private Real Estate         8.9%         8.1%         13.0%         5.0%         -11.1%         0.49           Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0% <td>Developed Market ex-U.S. Equities</td> <td>8.2%</td> <td>6.9%</td> <td>17.0%</td> <td>2.9%</td> <td>-17.3%</td> <td>0.33</td>	Developed Market ex-U.S. Equities	8.2%	6.9%	17.0%	2.9%	-17.3%	0.33
Private Infrastructure         8.8%         8.2%         12.0%         4.3%         -9.7%         0.53           Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Emerging Market Equities	9.9%	8.0%	21.0%	2.7%	-20.9%	0.35
Master Limited Partnerships (MLPs)         10.0%         8.5%         18.0%         7.5%         -16.9%         0.42           Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Private Real Estate	8.9%	8.1%	13.0%	5.0%	-11.1%	0.49
Commodities         8.7%         7.5%         16.0%         0.0%         -15.5%         0.39           Global Hedge Funds         6.1%         5.9%         6.5%         0.0%         -4.2%         0.56           Hedge Funds — Relative Value         5.9%         5.7%         7.0%         0.0%         -5.2%         0.49           Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Private Infrastructure	8.8%	8.2%	12.0%	4.3%	-9.7%	0.53
Global Hedge Funds       6.1%       5.9%       6.5%       0.0%       -4.2%       0.56         Hedge Funds — Relative Value       5.9%       5.7%       7.0%       0.0%       -5.2%       0.49         Hedge Funds — Macro       5.9%       5.6%       8.0%       0.0%       -6.8%       0.42         Hedge Funds — Event Driven       6.4%       6.2%       7.5%       0.0%       -5.5%       0.52         Hedge Funds — Equity Hedge       6.5%       6.1%       8.5%       0.0%       -6.9%       0.47         Global Liquid Alternatives       3.5%       3.4%       4.0%       0.0%       -3.0%       0.25         Private Equity       14.0%       12.1%       21.0%       0.0%       -17.0%       0.55	Master Limited Partnerships (MLPs)	10.0%	8.5%	18.0%	7.5%	-16.9%	0.42
Hedge Funds — Relative Value       5.9%       5.7%       7.0%       0.0%       -5.2%       0.49         Hedge Funds — Macro       5.9%       5.6%       8.0%       0.0%       -6.8%       0.42         Hedge Funds — Event Driven       6.4%       6.2%       7.5%       0.0%       -5.5%       0.52         Hedge Funds — Equity Hedge       6.5%       6.1%       8.5%       0.0%       -6.9%       0.47         Global Liquid Alternatives       3.5%       3.4%       4.0%       0.0%       -3.0%       0.25         Private Equity       14.0%       12.1%       21.0%       0.0%       -17.0%       0.55	Commodities	8.7%	7.5%	16.0%	0.0%	-15.5%	0.39
Hedge Funds — Macro         5.9%         5.6%         8.0%         0.0%         -6.8%         0.42           Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Global Hedge Funds	6.1%	5.9%	6.5%	0.0%	-4.2%	0.56
Hedge Funds — Event Driven         6.4%         6.2%         7.5%         0.0%         -5.5%         0.52           Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Hedge Funds — Relative Value	5.9%	5.7%	7.0%	0.0%	-5.2%	0.49
Hedge Funds — Equity Hedge         6.5%         6.1%         8.5%         0.0%         -6.9%         0.47           Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Hedge Funds — Macro	5.9%	5.6%	8.0%	0.0%	-6.8%	0.42
Global Liquid Alternatives         3.5%         3.4%         4.0%         0.0%         -3.0%         0.25           Private Equity         14.0%         12.1%         21.0%         0.0%         -17.0%         0.55	Hedge Funds — Event Driven	6.4%	6.2%	7.5%	0.0%	-5.5%	0.52
Private Equity 14.0% 12.1% 21.0% 0.0% -17.0% 0.55	Hedge Funds — Equity Hedge	6.5%	6.1%	8.5%	0.0%	-6.9%	0.47
. ,	Global Liquid Alternatives	3.5%	3.4%	4.0%	0.0%	-3.0%	0.25
Private Debt 9.9% 9.1% 13.5% 7.5% -10.8% 0.55	Private Equity	14.0%	12.1%	21.0%	0.0%	-17.0%	0.55
	· · ·	9.9%	9.1%	13.5%	7.5%	-10.8%	0.55

#### **Source:** Wells Fargo Investment Institute

Capital market and asset-class assumptions are estimates of how asset classes may respond during various market environments. For example, downside risk is based on our assumptions about average returns and the variability of returns. It represents the minimum return that would be statistically likely in 95% of annual returns. In other words, in 19 out of 20 years, performance would likely be better than this figure, and in the 20th year, it would likely be worse. There is no guarantee that any particular 20-year period would follow this pattern. Expected returns represent our estimate of likely average returns over the next several market cycles. They do not represent the returns that an investor should expect in any particular year. Geometric return is the compounded annual growth rate of an investment (asset class or portfolio) over a specified period of time longer than one year. Standard deviation is a measure of volatility. It reflects the degree of variability surrounding the outcome of an investment decision; the higher the standard deviation, the greater the risk. Yield on a bond assumes constant maturity. Dividend yield on an equity or real-asset investment represents the projected dividend as a percentage of the purchase price. Sharpe ratio measures the additional return that an investor could expect to receive for accepting additional risk. The assumptions are not designed to predict actual performance, and there are no assurances that any estimates used will be achieved. The information given has been provided as a guide to help with investment planning and does not represent the maximum loss a portfolio could experience. An index is unmanaged and not available for direct investment. Past performance is no guarantee of future results. See pages 19-21 for index definitions.

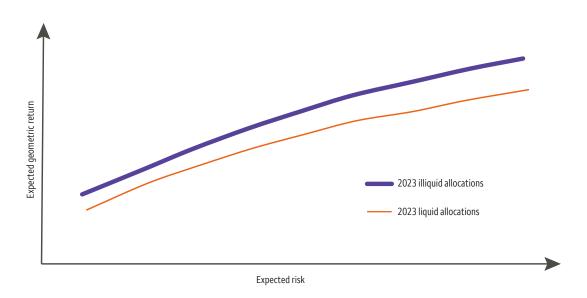
Alternative investments are not appropriate for all investors. They are speculative and involve a high degree of risk that is appropriate only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

# Risk and return statistics of investment objective allocations

Our investment objective allocations are designed to provide a progression of return and risk from lower to higher, as illustrated below.



Source: Wells Fargo Investment Institute



**Source:** Wells Fargo Investment Institute

Chart is conceptual and does not reflect any actual returns or represent any specific asset classification.

An efficient frontier represents the theoretical set of diversified allocations that maximizes return given a specific level of risk.

#### Asset allocation recommendations

- We offer 36 (four sets of nine) unique allocations to help match diverse investor risk and return objectives:
  - 1. Nine illiquid allocations<sup>2</sup>
  - 2. Nine liquid allocations<sup>3</sup>
  - 3. Nine illiquid tax-efficient allocations 4
  - 4. Nine liquid tax-efficient allocations 4
- We maintain a bias for U.S. assets over international assets, with allocations to domestic assets at levels that are higher than global market cap alone would suggest. Yet, we still expect international assets to play an important role in a diversified portfolio.
- In the income-oriented allocations, we reallocated from equities into fixed income to maintain desired risk targets.
- In the growth-oriented allocations, we increased allocations to Developed Market ex-U.S. Equities. Even with this addition, we remain underweight international equities compared with the global equity benchmark.
- In the tax-efficient allocations, we reallocated from equity to fixed income in the Income and Growth & Income allocations. In the Growth allocations, we reduced exposure to Emerging Market Equities in favor of developed market equity or fixed income.
- Allocations continue to favor private capital and a mix of hedge fund strategies in an effort to improve risk-adjusted return expectations.\*

# Summary — Diversify to help manage risk

Changes to the 2023 strategic asset allocations include redistributing from equity to fixed income in the more risk-averse objectives and adding exposure to Developed Market ex-U.S. Equities in the growth-oriented objectives. Similar changes were made to the recommended tax-efficient allocations that include reallocating from equity into fixed income and increasing exposure to Developed Market ex-U.S. Equities in select allocations.

Our allocation recommendations reflect our current assumptions and provide consistency across the various sets of investment objectives. The CMAs are not historical averages or return-to-trend calculations. They reflect the trends that we believe investors are most likely to experience over the long term.

Keep in mind, CMA forecasts are not promises of actual returns or performance that may be realized. They are based on estimates that might not be achieved and assumptions that may not occur. The actual rate of return on any asset will not necessarily follow these long-term averages. Instead, returns are more likely to fluctuate around the averages. Therefore, it is important for investors to maintain a well-diversified asset allocation to help manage this volatility and take advantage of evolving long-term opportunities. Of course, one size does not fit all. However, comparing the risk and return characteristics of various investment strategies may help investors choose the investment profile that best meets their individual financial objectives.

The data provided on the next page is for illustrative and information purposes only and does not constitute advice or a recommendation of any investment strategy, including strategies that allocate to alternative investments. Consult your investment professional before taking any action based on this information.

- 2. These may include allocations to fixed income, equities, real assets, and alternatives (including private real estate and private equity).\*
- 3. These may include allocations to fixed income, equities, and real assets.
- 4. See "Addressing the needs of highly taxed investors with tax-efficient asset allocation" for more details on the tax-efficient asset allocations.
- \*Alternative investments are not appropriate for all investors. They are speculative and involve a high degree of risk that is appropriate only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

In the 2023 strategic asset allocations, recommended changes include redistributing from equity to fixed income in the more risk-averse objectives and adding exposure to Developed Market ex-U.S. Equities in the growth-oriented objectives.

# $Strategic\ asset\ allocations -- Il liquid$

May include fixed income, equities, real assets, and alternative investments

Income	C	onservat	ive		Moderat	е		Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Taxable Fixed Income	63%	59%	4%	48%	46%	2%	35%	33%	2%
High Yield Taxable Fixed Income	2%	2%	-	2%	2%	-	4%	4%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	3%	3%	-	5%	5%	-	8%	8%	-
Total Global Fixed Income	68%	64%	4%	55%	53%	2%	47%	45%	2%
U.S. Large Cap Equities	8%	8%	-	12%	12%	-	15%	15%	-
U.S. Mid Cap Equities	0%	2%	-2%	4%	4%	-	6%	6%	-
U.S. Small Cap Equities	0%	0%	-	0%	2%	-2%	0%	2%	-2%
Developed Market ex-U.S. Equities	0%	2%	-2%	4%	4%	-	4%	4%	-
Emerging Market Equities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Equities	8%	12%	-4%	20%	22%	-2%	25%	27%	-2%
Private Real Estate	5%	5%	-	6%	6%	-	7%	7%	-
Commodities	2%	2%	-	2%	2%	-	2%	2%	-
Total Global Real Assets	7%	7%	-	8%	8%	-	9%	9%	-
Global Hedge Funds	11%	11%	-	11%	11%	-	11%	11%	-
Private Equity	0%	0%	-	0%	0%	-	0%	0%	-
Private Debt	4%	4%	-	4%	4%	-	6%	6%	-
Total Alternative Investments*	15%	15%	-	15%	15%	-	17%	17%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Growth and income	Conservative Moderate				e	Aggressive			
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Taxable Fixed Income	31%	31%	-	21%	21%	-	14%	14%	-
High Yield Taxable Fixed Income	4%	4%	-	4%	4%	-	3%	3%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	3%	3%	-	4%	4%	-	6%	6%	-
Total Global Fixed Income	38%	38%	-	29%	29%	-	23%	23%	-
U.S. Large Cap Equities	16%	16%	-	18%	18%	-	22%	22%	-
U.S. Mid Cap Equities	6%	6%	-	8%	8%	-	8%	8%	-
U.S. Small Cap Equities	2%	2%	-	3%	3%	-	4%	4%	-
Developed Market ex-U.S. Equities	5%	5%	-	6%	6%	-	7%	7%	-
Emerging Market Equities	3%	3%	-	4%	4%	-	5%	5%	-
Total Global Equities	32%	32%	-	39%	39%	-	46%	46%	-
Private Real Estate	5%	5%	-	6%	6%	-	6%	6%	-
Commodities	4%	4%	-	4%	4%	-	4%	4%	-
Total Global Real Assets	9%	9%	-	10%	10%	-	10%	10%	-
Global Hedge Funds	10%	10%	-	10%	10%	-	7%	7%	-
Private Equity	6%	6%	-	7%	7%	-	9%	9%	-
Private Debt	3%	3%	-	3%	3%	_	3%	3%	-
Total Alternative Investments*	19%	19%	-	20%	20%	-	19%	19%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

<sup>\*</sup>Alternative investments are not appropriate for all investors. They are speculative and involve a high degree of risk that is appropriate only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

(Continued on page 13.)

Growth	C	onservat	ive		Moderat	e		Aggressiv	<i>ie</i>
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	1%	1%	-	1%	1%	-	1%	1%	-
U.S. Investment Grade Taxable Fixed Income	9%	9%	-	4%	4%	-	0%	0%	-
High Yield Taxable Fixed Income	3%	3%	-	2%	2%	-	0%	0%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	3%	-3%	0%	3%	-3%	0%	0%	-
Total Global Fixed Income	12%	15%	-3%	6%	9%	-3%	0%	0%	-
U.S. Large Cap Equities	24%	24%	_	24%	24%	-	24%	24%	-
U.S. Mid Cap Equities	9%	9%	_	13%	13%	_	15%	15%	-
U.S. Small Cap Equities	5%	5%	-	6%	6%	-	7%	7%	-
Developed Market ex-U.S. Equities	12%	9%	3%	14%	11%	3%	17%	12%	5%
Emerging Market Equities	6%	6%	-	9%	9%	-	12%	12%	
Total Global Equities	56%	53%	3%	66%	63%	3%	75%	70%	5%
Private Real Estate	5%	5%	-	5%	5%	-	4%	6%	-2%
Commodities	5%	5%	-	5%	5%	-	5%	5%	-
Total Global Real Assets	10%	10%	-	10%	10%	-	9%	11%	-2%
Global Hedge Funds	7%	7%	-	2%	2%	-	0%	0%	-
Private Equity	11%	11%	_	12%	12%	_	15%	15%	-
Private Debt	3%	3%	_	3%	3%	_	0%	3%	-3%
Total Alternative Investments*	21%	21%	-	17%	17%	-	15%	18%	-3%
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	_

<sup>\*</sup>Alternative investments are not appropriate for all investors. They are speculative and involve a high degree of risk that is appropriate only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

# $Strategic\ asset\ allocations -- Liquid$

May include fixed income, equities, and real assets

Income	C	onservat	ive		Moderat	е		Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Taxable Fixed Income	76%	72%	4%	60%	58%	2%	47%	45%	2%
High Yield Taxable Fixed Income	3%	3%	-	4%	4%	-	6%	6%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	3%	3%	-	5%	5%	-	8%	8%	-
Total Global Fixed Income	82%	78%	4%	69%	67%	2%	61%	59%	2%
U.S. Large Cap Equities	12%	12%	-	16%	16%	-	19%	19%	-
U.S. Mid Cap Equities	2%	4%	-2%	5%	5%	-	7%	7%	-
U.S. Small Cap Equities	0%	0%	-	2%	4%	-2%	2%	4%	-2%
Developed Market ex-U.S. Equities	0%	2%	-2%	4%	4%	-	7%	7%	-
Emerging Market Equities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Equities	14%	18%	-4%	27%	29%	-2%	35%	37%	-2%
Commodities	2%	2%	-	2%	2%	-	2%	2%	-
Total Global Real Assets	2%	2%	-	2%	2%	-	2%	2%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Growth and income	C	onservat	ive		Moderat	e	4	Aggressiv	re .
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Taxable Fixed Income	39%	39%	_	30%	30%	-	20%	20%	-
High Yield Taxable Fixed Income	6%	6%	-	6%	6%	_	7%	7%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	_	0%	0%	-
Emerging Market Fixed Income	5%	5%	_	5%	5%	-	6%	6%	-
Total Global Fixed Income	50%	50%	-	41%	41%	-	33%	33%	-
U.S. Large Cap Equities	20%	20%	-	24%	24%	-	28%	28%	-
U.S. Mid Cap Equities	8%	8%	-	10%	10%	_	12%	12%	-
U.S. Small Cap Equities	5%	5%	-	6%	6%	-	6%	6%	-
Developed Market ex-U.S. Equities	7%	7%	-	8%	8%	_	9%	9%	-
Emerging Market Equities	4%	4%	-	5%	5%	-	6%	6%	_
Total Global Equities	44%	44%	-	53%	53%	-	61%	61%	-
Commodities	4%	4%	_	4%	4%	_	4%	4%	-
Total Global Real Assets	4%	4%	-	4%	4%	-	4%	4%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Growth	C	onservat	ive		Moderat	e	,	Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Taxable Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Taxable Fixed Income	16%	16%	_	8%	8%	-	0%	3%	-3%
High Yield Taxable Fixed Income	3%	3%	-	3%	3%	-	0%	0%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	3%	-3%	0%	3%	-3%	0%	2%	-2%
Total Global Fixed Income	19%	22%	-3%	11%	14%	-3%	0%	5%	-5%
U.S. Large Cap Equities	30%	30%	-	31%	31%	-	31%	28%	3%
U.S. Mid Cap Equities	13%	13%	-	14%	14%	-	16%	16%	-
U.S. Small Cap Equities	8%	8%	-	10%	10%	-	13%	13%	-
Developed Market ex-U.S. Equities	14%	11%	3%	15%	12%	3%	18%	16%	2%
Emerging Market Equities	9%	9%	_	12%	12%	_	15%	15%	_
Total Global Equities	74%	71%	3%	82%	79%	3%	93%	88%	5%
Commodities	5%	5%	_	5%	5%	_	5%	5%	-
Total Global Real Assets	5%	5%	-	5%	5%	-	5%	5%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

# $Strategic\ asset\ allocations\ --\ Tax-efficient\ illiquid$

May include fixed income, equities, real assets, and alternative investments

Income	C	onservat	ive		Moderat	e		Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Tax Exempt Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Tax Exempt Fixed Income	80%	77%	3%	58%	55%	3%	43%	40%	3%
High Yield Tax Exempt Fixed Income	0%	0%	-	7%	7%	-	14%	14%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Fixed Income	80%	77%	3%	65%	62%	3%	57%	54%	3%
U.S. Large Cap Equities	6%	6%	-	16%	16%	-	19%	19%	-
U.S. Mid Cap Equities	0%	3%	-3%	5%	5%	-	6%	6%	-
U.S. Small Cap Equities	0%	0%	-	0%	3%	-3%	0%	3%	-3%
Developed Market ex-U.S. Equities	0%	0%	-	0%	0%	-	5%	5%	-
Emerging Market Equities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Equities	6%	9%	-3%	21%	24%	-3%	30%	33%	-3%
Private Real Estate	7%	7%	-	7%	7%	-	7%	7%	-
Commodities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Real Assets	7%	7%	-	7%	7%	-	7%	7%	-
Global Hedge Funds	5%	5%	-	5%	5%	-	4%	4%	-
Private Equity	0%	0%	-	0%	0%	-	0%	0%	-
Private Debt	0%	0%	-	0%	0%	-	0%	0%	-
Total Alternative Investments*	5%	5%	-	5%	5%	-	4%	4%	-
Total Portfolio	100%	100%	-	100%	100%	_	100%	100%	-

Growth and income	C	onservat	ive		Moderat	ie		Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Tax Exempt Cash Alternatives	2%	2%	-	1%	1%	-	1%	1%	-
U.S. Investment Grade Tax Exempt Fixed Income	38%	35%	3%	30%	28%	2%	23%	21%	2%
High Yield Tax Exempt Fixed Income	7%	7%	-	5%	5%	-	6%	6%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Fixed Income	45%	42%	3%	35%	33%	2%	29%	27%	2%
U.S. Large Cap Equities	19%	19%	-	22%	22%	-	25%	25%	-
U.S. Mid Cap Equities	6%	6%	-	7%	7%	-	9%	9%	-
U.S. Small Cap Equities	3%	3%	-	3%	3%	_	4%	4%	-
Developed Market ex-U.S. Equities	7%	7%	-	9%	9%	-	10%	10%	-
Emerging Market Equities	0%	3%	-3%	2%	4%	-2%	3%	5%	-2%
Total Global Equities	35%	38%	-3%	43%	45%	-2%	51%	53%	-2%
Private Real Estate	7%	7%	_	7%	7%	-	7%	7%	-
Commodities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Real Assets	7%	7%	-	7%	7%	-	7%	7%	-
Global Hedge Funds	4%	4%	-	4%	4%	-	0%	0%	-
Private Equity	7%	7%	-	10%	10%	-	12%	12%	-
Private Debt	0%	0%	-	0%	0%	-	0%	0%	-
Total Alternative Investments*	11%	11%	-	14%	14%	-	12%	12%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Note: Tax-efficient allocations use tax-exempt cash alternatives and fixed income, and before-tax allocations use taxable cash alternatives and fixed income.

**Alternative investments, such as hedge funds, private capital, and private real estate funds, are not suitable for all investors.** They are speculative and involve a high degree of risk that is suitable only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

(Continued on page 16.)

Growth	C	onservat	ive		Moderat	е		Aggressiv	re
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Tax Exempt Cash Alternatives	1%	1%	-	1%	1%	-	1%	1%	-
U.S. Investment Grade Tax Exempt Fixed Income	14%	12%	2%	4%	4%	-	0%	0%	-
High Yield Tax Exempt Fixed Income	6%	6%	-	5%	5%	-	0%	0%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Fixed Income	20%	18%	2%	9%	9%	-	0%	0%	-
U.S. Large Cap Equities	28%	28%	-	32%	32%	-	33%	33%	_
U.S. Mid Cap Equities	11%	11%	-	11%	11%	-	13%	13%	-
U.S. Small Cap Equities	5%	5%	-	6%	6%	-	6%	6%	-
Developed Market ex-U.S. Equities	11%	11%	-	12%	12%	-	12%	12%	-
Emerging Market Equities	4%	6%	-2%	8%	8%	-	13%	13%	-
Total Global Equities	59%	61%	-2%	69%	69%	-	77%	77%	-
Private Real Estate	7%	7%	-	7%	7%	-	7%	7%	_
Commodities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Real Assets	7%	7%	-	7%	7%	-	7%	7%	-
Global Hedge Funds	0%	0%	-	0%	0%	-	0%	0%	-
Private Equity	13%	13%	-	14%	14%	-	15%	15%	-
Private Debt	0%	0%	-	0%	0%	-	0%	0%	-
Total Alternative Investments*	13%	13%	-	14%	14%	-	15%	15%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Note: Tax-efficient allocations use tax-exempt cash alternatives and fixed income, and before-tax allocations use taxable cash alternatives and fixed income.

**Alternative investments, such as hedge funds, private capital, and private real estate funds, are not suitable for all investors.** They are speculative and involve a high degree of risk that is suitable only for those investors who have the financial sophistication and expertise to evaluate the merits and risks of an investment in a fund and for which the fund does not represent a complete investment program.

# $Strategic\ asset\ allocations\ --\ Tax-efficient\ liquid$

May include fixed income, equities, and real assets

Income	C	onservat	ive		Moderat	e		Aggressiv	re .
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Tax Exempt Cash Alternatives	3%	3%	-	3%	3%	-	2%	2%	-
U.S. Investment Grade Tax Exempt Fixed Income	91%	85%	6%	68%	64%	4%	50%	48%	2%
High Yield Tax Exempt Fixed Income	0%	0%	-	6%	6%	-	16%	14%	2%
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Fixed Income	91%	85%	6%	74%	70%	4%	66%	62%	4%
U.S. Large Cap Equities	6%	6%	-	14%	14%	-	17%	17%	-
U.S. Mid Cap Equities	0%	4%	-4%	5%	5%	-	7%	7%	-
U.S. Small Cap Equities	0%	0%	-	0%	4%	-4%	0%	4%	-4%
Developed Market ex-U.S. Equities	0%	2%	-2%	4%	4%	-	8%	8%	-
Emerging Market Equities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Equities	6%	12%	-6%	23%	27%	-4%	32%	36%	-4%
Commodities	0%	0%	-	0%	0%	-	0%	0%	-
Total Global Real Assets	0%	0%	-	0%	0%	-	0%	0%	-
Total Portfolio	100%	100%	-	100%	100%	_	100%	100%	-

Growth and income	C	onservat	ive		Moderat	e	4	Aggressiv	'e
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Tax Exempt Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Tax Exempt Fixed Income	45%	45%	-	35%	35%	-	25%	25%	-
High Yield Tax Exempt Fixed Income	8%	6%	2%	8%	6%	2%	7%	7%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	-	0%	0%	_	0%	0%	-
Total Global Fixed Income	53%	51%	2%	43%	41%	2%	32%	32%	-
U.S. Large Cap Equities	17%	17%	-	23%	23%	-	27%	27%	-
U.S. Mid Cap Equities	10%	10%	-	12%	12%	_	14%	14%	-
U.S. Small Cap Equities	6%	6%	-	6%	6%	-	6%	6%	-
Developed Market ex-U.S. Equities	8%	8%	-	9%	9%	_	13%	11%	2%
Emerging Market Equities	4%	6%	-2%	5%	7%	-2%	6%	8%	-2%
Total Global Equities	45%	47%	-2%	55%	57%	-2%	66%	66%	-
Commodities	0%	0%	-	0%	0%	-	0%	0%	_
Total Global Real Assets	0%	0%	-	0%	0%	-	0%	0%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Growth	Conservative			Moderate			Aggressive		
	2023	2022	Change	2023	2022	Change	2023	2022	Change
Total Cash Alternatives	2%	2%	-	2%	2%	-	2%	2%	-
U.S. Investment Grade Tax Exempt Fixed Income	18%	18%	-	11%	11%	-	5%	5%	-
High Yield Tax Exempt Fixed Income	4%	4%	-	3%	3%	-	0%	0%	-
Developed Market ex-U.S. Fixed Income	0%	0%	-	0%	0%	-	0%	0%	-
Emerging Market Fixed Income	0%	0%	_	0%	0%	_	0%	0%	-
Total Global Fixed Income	22%	22%	-	14%	14%	-	5%	5%	-
U.S. Large Cap Equities	31%	31%	-	31%	31%	-	27%	27%	-
U.S. Mid Cap Equities	15%	15%	-	16%	16%	-	18%	18%	-
U.S. Small Cap Equities	8%	8%	-	11%	11%	-	14%	14%	-
Developed Market ex-U.S. Equities	14%	12%	2%	13%	13%	_	18%	18%	-
Emerging Market Equities	8%	10%	-2%	13%	13%	-	16%	16%	_
Total Global Equities	76%	76%	-	84%	84%	-	93%	93%	-
Commodities	0%	0%	_	0%	0%	-	0%	0%	-
Total Global Real Assets	0%	0%	-	0%	0%	-	0%	0%	-
Total Portfolio	100%	100%	-	100%	100%	-	100%	100%	-

Note: Tax-efficient allocations use tax-exempt cash alternatives and fixed income, and before-tax allocations use taxable cash alternatives and fixed income.

# Investment expertise and advice to help investors succeed financially

Wells Fargo Investment Institute is home to 240+ investment professionals focused on investment strategy, asset allocation, portfolio management, manager reviews, and alternative investments. Its mission is to deliver timely, actionable advice that can help investors achieve their financial goals.

For assistance with your investment planning or to discuss the points in this report, please talk to your investment professional.

#### Risk considerations

Asset allocation is an investment method used to help manage risk. It does not guarantee investment returns or eliminate the risk of loss. All investing involves risks, including the possible loss of principal. There can be no assurance that any investment strategy will be successful. Investments fluctuate with changes in market and economic conditions and in different environments due to numerous factors, some of which may be unpredictable. Each asset class has its own risk and return characteristics. The level of risk associated with a particular investment or asset class generally correlates with the level of return the investment or asset class might achieve. The risks associated with the representative asset classes discussed in this report include:

Alternative investments: Alternative investments, such as hedge funds, private capital, and private real estate funds, are speculative and entail significant risks that can include losses due to leveraging or other speculative investment practices, lack of liquidity, volatility of returns, restrictions on transferring interests in a fund, potential lack of diversification, absence and/or delay of information regarding valuations and pricing, complex tax structures and delays in tax reporting, less regulation, and higher fees than mutual funds. Hedge fund, private capital, and private real estate fund investing involve other material risks, including capital loss and the loss of the entire amount invested. They are intended for qualified, financially sophisticated investors who can bear the risks associated with these investments. Hedge fund strategies, such as Equity Hedge, Event Driven, Macro, and Relative Value, may expose investors to risks such as short selling, leverage, counterparty, liquidity, volatility, the use of derivative instruments, and other significant risks.

Cash alternatives: Each type of cash alternatives, such as bank certificates of deposits, Treasury bills, and ultrashort bond mutual funds, has advantages and disadvantages. They typically offer lower rates of return than longer-term equity or fixed-income securities and may not keep pace with inflation over extended periods of time. While government securities are backed by the full faith and credit of the federal government as to payment of principal and interest if held to maturity and are considered free from credit risk, they are subject to interest rate risk.

Commodities: Exposure to the commodities markets may subject an investment to greater share price volatility than an investment in traditional equity or debt securities. The commodities markets are considered speculative, carry substantial risks, and have experienced periods of extreme volatility. Commodities may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or other factors affecting a particular industry or commodity.

**Equities:** Equity securities are subject to market risk, which means their value may fluctuate in response to general economic and market conditions and the perception of individual issuers. Investments in equity securities are generally more volatile than other types of securities. Mid- and small-cap stocks are generally more volatile, are subject to greater risks, and are less liquid than large-company stocks. Preferred stocks are subject to issuer-specific and market risks. They are generally subordinated to bonds or other debt instruments in an issuer's capital structure, subjecting them to a greater risk of nonpayment than more senior securities.

**Fixed income:** Investments in fixed-income securities are subject to interest rate, credit/default, call, liquidity, inflation, and other risks. Bond prices fluctuate inversely to changes in interest rates. Therefore, a general rise in interest rates can result in a decline in the bond's price. Credit risk is the risk that an issuer will default on payments of interest and/or principal. This risk is heightened in lower-rated bonds. If sold prior to maturity, fixed-income securities are subject to market risk. All fixed-income investments may be worth less than their original cost upon redemption or maturity. Inflation-link fixed-income securities are subject to interest rate risk, especially when real interest rates rise. Municipal bonds offer interest payments exempt from federal taxes, and potentially state and local income taxes. These bonds are subject to interest rate and credit/default risk and potentially the alternative minimum tax (AMT). Quality varies widely depending on the specific issuer.

**Foreign investing:** Investing in foreign securities presents certain risks not associated with domestic investments, such as currency fluctuation, political and economic instability, and different accounting standards. This may result in greater share price volatility. These risks are heightened in emerging and frontier markets.

**Infrastructure:** Investments in infrastructure companies expose an investment to potentially adverse economic, regulatory, political, and other changes affecting such companies. Infrastructure companies may also be subject to various other risks, including governmental regulations, high interest costs associated with capital construction programs, costs associated with compliance and changes in environmental regulation, economic slowdown and surplus capacity, competition from other providers of services, and other factors.

Master limited partnerships (MLPs): Investment in master limited partnerships (MLPs) involves certain risks that differ from an investment in the securities of a corporation. MLPs may be sensitive to price changes in oil, natural gas, etc.; regulatory risk; and rising interest rates. A change in the current tax law regarding MLPs could result in the MLP being treated as a corporation for federal income tax purposes, which would reduce the amount of cash flows distributed by the MLP. Other risks include the volatility associated with the use of leverage, volatility of the commodities markets, market risks, supply and demand, natural and man-made catastrophes, competition, liquidity, market price discount from net asset value, and other material risks.

Real estate: Investing in real estate has special risks, including the possible illiquidity of the underlying properties, credit risk, interest rate fluctuations, and the impact of varied economic conditions.

#### Index definitions

Cash Alternative (Taxable/Tax Exempt). Bloomberg 1-3 Month U.S. Treasury Bill Index includes all publicly issued zero-coupon U.S. Treasury Bills that have a remaining maturity of less than 3 months and more than 1 month, are rated investment grade, and have \$250 million or more of outstanding face value. In addition, the securities must be denominated in U.S. dollars and must be fixed rate and non-convertible.

#### Global Fixed Income representative indexes

- U.S. Investment Grade Taxable Fixed Income, Bloomberg U.S. Aggregate Bond Index is a broad-based measure of the investment grade, U.S. dollar-denominated, fixed-rate taxable bond market.
- U.S. Short Term Taxable Fixed Income. Bloomberg U.S. Aggregate 1–3 Year Bond Index is unmanaged and is composed of the Bloomberg U.S. Government/Credit Index and the Bloomberg U.S. Mortgage-Backed Securities Index and includes Treasury issues, agency issues, corporate bond issues, and mortgage-backed securities with maturities of one to three years.
- U.S. Intermediate Term Taxable Fixed Income. Bloomberg U.S. Aggregate 5–7 Year Bond Index is unmanaged and is composed of the Bloomberg U.S. Government/Credit Index and the Bloomberg U.S. Mortgage-Backed Securities Index and includes Treasury issues, agency issues, corporate bond issues, and mortgage-backed securities with maturities of five to seven years.
- U.S. Long Term Taxable Fixed Income. Bloomberg U.S. Aggregate 10+ Year Bond Index is unmanaged and is composed of the Bloomberg U.S. Government/Credit Index and the Bloomberg U.S. Mortgage-Backed Securities Index and includes Treasury issues, agency issues, corporate bond issues, and mortgage-backed securities with maturities of 10 years or more.
- High Yield Taxable Fixed Income. Bloomberg U.S. Corporate High-Yield Index covers the universe of fixed-rate, non-investment-grade debt.
- U.S. Investment Grade Tax Exempt Fixed Income. **Bloomberg U.S. Municipal Bond Index** represents municipal bonds with a minimum credit rating of at least Baa, an outstanding par value of at least \$3 million and a remaining maturity of at least one year.
- U.S. Short Term Tax Exempt Fixed Income. Bloomberg U.S. Municipal Bond 3 Year (2-4) Index represents municipal bonds with a minimum credit rating of at least Baa, an outstanding par value of at least \$3 million and a remaining maturity of two to four years.
- U.S. Intermediate Term Tax Exempt Fixed Income. Bloomberg U.S. Municipal Bond Intermediate (5-10) Index represents municipal bonds with a minimum credit rating of at least Baa, an outstanding par value of at least \$3 million and a remaining maturity of five to ten years.
- U.S. Long Term Tax Exempt Fixed Income. Bloomberg U.S. Municipal Bond 15 Year (12-17) Index represents municipal bonds with a minimum credit rating of at least Baa, an outstanding par value of at least \$3 million and a remaining maturity of 12 to 17 years.

High Yield Tax Exempt Fixed Income. Bloomberg U.S. Municipal High Yield Index measures the non-investment grade and non-rated U.S. dollar-denominated, fixed-rate, tax-exempt bond market within the 50 United States and four other qualifying regions (Washington DC, Puerto Rico, Guam and the Virgin Islands).

Developed Market Ex-U.S. Fixed Income. J.P. Morgan GBI Global ex-US Index in USD is an unmanaged index market representative of the total return performance in U.S. dollars on an unhedged basis of major non-U.S. bond markets.

Emerging Market Fixed Income. J.P. Morgan Emerging Markets Bond Index (EMBI Global) currently covers 27 emerging market countries. Included in the EMBI Global are U.S.-dollar-denominated Brady bonds, Eurobonds, traded loans, and local market debt instruments issued by sovereign and quasi-sovereign entities.

Inflation-Linked Fixed Income. Bloomberg Global Inflation Linked Index measures the investment-grade, government inflation-linked debt from 12 different developed market countries.

Preferred Stock. ICE BofA Fixed Rate Preferred Securities Index tracks the performance of fixed rate US dollar-denominated preferred securities issued in the US domestic market.

#### **Global Equity representative indexes**

U.S. Large Cap Equities. **S&P 500 Index** is a market capitalization-weighted index composed of 500 widely held common stocks that is generally considered representative of the U.S. stock market. U.S. Mid Cap Equities. **Russell Midcap Index** measures the performance of the 800 smallest companies in the Russell 1000 Index.

U.S. Small Cap Equities. Russell 2000 Index measures the performance of the 2,000 smallest companies in the Russell 3000® Index, which represents approximately 8% of the total market capitalization of the Russell 3000 Index.

Russell 3000 Index is composed of 3000 large U.S. companies, as determined by market capitalization.

Developed Market ex-U.S. Equities. MSCI EAFE Index is designed to represent the performance of large and mid-cap securities across 21 developed markets, including countries in Europe, Australasia and the Far East, excluding the U.S. and Canada.

Emerging Market Equities. MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used as a basis for other indexes or any securities or financial products. This report is not approved, reviewed, or produced by MSCI.

#### Global Real Assets representative indexes

Private Real Estate. The NCREIF Property Index is a quarterly time series composite total rate of return measure of investment performance of a very large pool of individual commercial real estate properties acquired in the private market for investment purposes only.

Private Infrastructure. The Burgiss Infrastructure Index is a pooled quarterly time weighted rate of return series based on data compiled by the Burgiss Group, LLC (Burgiss) from over 250 private infrastructure funds formed after 1994. The return series is net of fees, expenses, and carried interest. The benchmark is issued on a quarterly basis, approximately 80 calendar days after quarter end. Index returns do not represent fund performance.

Master Limited Partnerships (MLPs). Alerian MLP Index is a composite of the 50 most prominent energy Master Limited Partnerships (MLPs) that provides investors with an unbiased, comprehensive benchmark for this emerging asset class. The index, which is calculated using a float-adjusted, capitalization-weighted methodology, is disseminated real-time on a price-return basis and on a total-return basis.

Commodities. Bloomberg Commodity Index is calculated on an excess return basis and reflects commodity futures price movements.

#### Global Alternative Investments representative indexes

Global Hedge Funds. HFRI Fund Weighted Composite Index is a fund-weighted (equal-weighted) index designed to measure the total returns (net of fees) of the approximately 2,000 hedge funds that comprise the Index. Constituent funds must have either \$50 million under management or a track record of greater than 12 months. Substrategies include HFRI Event-Driven, Distressed/Restructuring Index, and HFRI Event Driven Index.

Hedge Funds – Relative Value. HFRI Relative Value Index strategy is predicated on realization of a valuation discrepancy in the relationship between multiple securities. Managers employ a variety of fundamental and quantitative techniques to establish investment theses, and security types range broadly across equity, fixed income, derivative or other security types. Fixed income strategies are typically quantitatively driven to measure the existing relationship between instruments and, in some cases, identify attractive positions in which the risk adjusted spread between these instruments represents an attractive opportunity for the investment manager. RV position may be involved in corporate transactions also, but as opposed to ED exposures, the investment thesis is predicated on realization of a pricing discrepancy between related securities, as opposed to the outcome of the corporate transaction.

Hedge Funds – Macro. HFRI Macro Index encompasses a broad range of strategies predicated on movements in underlying economic variables and the impact these have on equity, fixed income, hard-currency, and commodity markets. Managers employ a variety of techniques, both discretionary and systematic analysis, combinations of top-down and bottom-up theses, quantitative and fundamental approaches and long- and short-term holding periods. Although some strategies employ RV techniques, Macro strategies are distinct from RV strategies in that the primary investment thesis is predicated on predicted or future movements in the underlying instruments rather than on realization of a valuation discrepancy between securities. In a similar way, while both Macro and equity hedge managers may hold equity securities, the overriding investment thesis is predicated on the impact movements in underlying macroeconomic variables may have on security prices, as opposed to EH, in which the fundamental characteristics on the company are the most significant are integral to investment thesis.

Hedge Funds – Event Driven. HFRI Event Driven Index maintains positions in companies currently or prospectively involved in corporate transactions of a wide variety including mergers, restructurings, financial distress, tender offers, shareholder buybacks, debt exchanges, security issuance or other capital structure adjustments. Security types can range from most senior in the capital structure to most junior or subordinated and frequently involve additional derivative securities. Exposure includes a combination of sensitivities to equity markets, credit markets and idiosyncratic, company-specific developments. Investment theses are typically predicated on fundamental (as opposed to quantitative) characteristics, with the realization of the thesis predicated on a specific development exogenous to the existing capital structure.

Hedge Funds – Equity Hedge. HFRI Equity Hedge Index maintains positions both long and short in primarily equity and equity derivative securities. A wide variety of investment processes can be employed to arrive at an investment decision, including both quantitative and fundamental techniques; strategies can be broadly diversified or narrowly focused on specific sectors and can range broadly in terms of levels of net exposure, leverage employed, holding period, concentrations of market capitalizations and valuation ranges of typical portfolios. EH managers would typically maintain at least 50 percent exposure to, and may in some cases be entirely invested in, equities, both long and short.

Note: While the HFRI Indexes are frequently used, they have limitations (some of which are typical of other widely used indexes). These limitations include survivorship bias (the returns of the indexes may not be representative of all the hedge funds in the universe because of the tendency of lower performing funds to leave the index); heterogeneity (not all hedge funds are alike or comparable to one another, and the index may not accurately reflect the performance of a described style); and limited data (many hedge funds do not report to indexes, and, therefore, the index may omit funds, the inclusion of which might significantly affect the performance shown. The HFRI Indexes are based on information hedge fund managers decide on their own, at any time, whether or not they want to provide, or continue to provide, information to HFR Asset Management, L.L.C. Results for funds that go out of business are included in the index until the date that they cease operations. Therefore, these indexes may not be complete or accurate representations of the hedge fund universe, and may be biased in several ways. Returns of the underlying hedge funds are net of fees and are denominated in USD.

Global Liquid Alternatives. The Wilshire Liquid Alternative Index<sup>SM</sup> measures the collective performance of the five Wilshire Liquid Alternative strategies that make up the Wilshire Liquid Alternative Universe. The Wilshire Liquid Alternative Index is designed to provide a broad measure of the liquid alternative market by combining the performance of the Wilshire Liquid Alternative Equity Hedge Index<sup>SM</sup>, Wilshire Liquid Alternative Global Macro Index<sup>SM</sup>, Wilshire Liquid Alternative Relative Value Index<sup>SM</sup>, Wilshire Liquid Alternative Multi-Strategy Index<sup>SM</sup>, and Wilshire Liquid Alternative Event Driven Index<sup>SM</sup>.

Private Equity. The Cambridge Associates LLC U.S. Private Equity Index® is an horizon calculation based on data compiled from more than 1,400 institutional-quality buyout, growth equity, private equity energy, and subordinated capital funds formed after 1986. The funds included in the index report their performance voluntarily and therefore the index may reflect a bias towards funds with records of success. Funds report unaudited quarterly data to Cambridge Associates when calculating the index. The index is not transparent and cannot be independently verified because Cambridge Associates does not identify the funds included in the index. Because Cambridge Associates recalculates the index each time a new fund is added, the historical performance of the index is not fixed, can't be replicated and will differ over time from the day presented. The returns shown are net of fees, expenses and carried interest. Index returns do not represent fund performance.

Private Debt. The Burgiss Private Debt Index is a pooled quarterly time weighted rate of return series based on data compiled by the Burgiss Group, LLC (Burgiss) from over 800 private debt funds (generalist, senior, mezzanine, and distressed debt), including fully liquidated partnerships, formed after 1986. The return series is net of fees, expenses, and carried interest. The benchmark is issued on a quarterly basis, approximately 80 calendar days after quarter end. Index returns do not represent fund performance.

Wells Fargo Investment Institute, Inc. (WFII), is a registered investment adviser and wholly owned subsidiary of Wells Fargo Bank, N.A., a bank affiliate of Wells Fargo & Company.

The information in this report was prepared by the Global Investment Strategy (GIS) division of WFII. Opinions represent GIS' opinion as of the date of this report; are for general informational purposes only; and are not intended to predict or guarantee the future performance of any individual security, market sector, or the markets generally. GIS does not undertake to advise you of any change in its opinions or the information contained in this report. Wells Fargo & Company affiliates may issue reports or have opinions that are inconsistent with, and reach different conclusions from, this report.

The information contained herein constitutes general information and is not directed to, designed for, or individually tailored to any particular investor or potential investor. This report is not intended to be a client-specific analysis or recommendation; an offer to participate in any investment; or a recommendation to buy, hold, or sell securities. Do not use this report as the sole basis for investment decisions. Do not select an asset class or investment product based on performance alone. Consider all relevant information, including your existing portfolio, investment objectives, risk tolerance, liquidity needs, and investment time horizon.

Wells Fargo Advisors is registered with the U.S. Securities and Exchange Commission and the Financial Industry Regulatory Authority but is not licensed or registered with any financial services regulatory authority outside of the U.S. Non-U.S. residents who maintain U.S.-based financial services accounts with Wells Fargo Advisors may not be afforded certain protections conferred by legislation and regulations in their country of residence in respect of any investments, investment transactions, or communications made with Wells Fargo Advisors.

Wells Fargo Advisors is a trade name used by Wells Fargo Clearing Services, LLC, and Wells Fargo Advisors Financial Network, LLC, Members SIPC, separate registered broker-dealers and nonbank affiliates of Wells Fargo & Company.

© 2023 Wells Fargo Investment Institute. All rights reserved.