Build Stronger Fixed Income Portfolios

Our Framework for Strategic Diversification Across Market Cycles

Fixed income plays an important role in well-diversified portfolios:

- Generating income
- Reducing overall portfolio volatility

Our framework for fixed income diversification can help investors utilize fixed income to achieve these critical objectives and the opportunity for fixed income in today's market is greater than we've seen in over a decade.

Yield is back

Yields are higher than we've seen in over a decade



Bonds provide ballast when equities are down

Annual returns during equity

During equity down markets, bonds outperformed 9 out of 10 times



Why bonds make sense now

The end of rate hiking cycles and falling rates have historically been good for bonds

Total return, impact of a 1% rise or fall in interest rates



J.P.Morgan

Source: J.P. Morgan Asset Management. Data as of 3/31/25. For illustrative purposes only. Past performance is not indicative of future returns. CHART 1: BLS, FactSet, Federal Reserve, J.P. Morgan Asset Management. CHART 2: Bloomberg, FactSet, Standard & Poor's, J.P. Morgan Asset Management. Returns are based on price index only and do not include dividends. CHART 3: Bloomberg, FactSet, Standard & Poor's, U.S. Treasury, J.P. Morgan Asset Management. Assumes a parallel shift in the yield curve. Sectors shown above are provided by Bloomberg unless otherwise noted and are represented by – U.S. Aggregate; MBS: U.S. Aggregate Securitized - MBS; ABS: J.P. Morgan ABS Index; IG Corporates: U.S. Corporates; Municipals: Muni Bond; High Yield: Corporate High Yield. Return information based on bellwethers for Treasury securities. *Past performance is not indicative of future results.*



Active management goes beyond the Agg



Source: (LHS) Bloomberg, SIFMA, J.P. Morgan Asset Management. Figures reflect the most recently available data as of June 2022. Some components may be lagged. (RHS) Barclays Live, Bloomberg, SIFMA, J.P. Morgan Asset Management. Figures reflect the most recently available data as of September 2024. Some components may be lagged.



Active management unlocks potential return and income opportunities outside the Agg

- While the Agg is often viewed as representing "the U.S. bond market," it in fact captures just
- Compare that with equity indices like the S&P 500, which covers 81% of the U.S. public equity market - or better yet, the CRSP U.S. Total Market Index, which

- Active management within core sectors and prudent diversification beyond core indices enable investors to access opportunities, potentially generating additional income and return.
- Investors should consider looking beyond U.S. borders to increase diversification and income.

Source: Barclays Live, Bloomberg, SIFMA, J.P. Morgan Asset Management. Figures reflect the most recently available data as of September 2024. Some components may be lagged.

Increase yield and reduce risk through diversification

Allocating to non-core sectors may help investors increase yield, but higher yield often comes with higher risk and higher correlation to equities. Diversification across fixed income sectors helps to manage risk and improve portfolio performance.



Adding non-core sectors may increase yield

Source: Bloomberg, J.P. Morgan Asset Management. Past performance is not indicative of future returns. Yield as of 3/31/25. Volatility from 15 years ending 3/31/25. See below for index descriptions.

Diversification may help deliver a smoother ride for investors

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD '25	2013- Ann.	-2024 Vol.
U.S. HY 7.4	EMD 7.4	MBS 1.5	U.S. HY 17.1	EMD 10.3	ABS 2.7	EMD 15.0	TIPS 11.0	TIPS 6.0	Ultra-Short 1.4	U.S. HY 13.4	Lev. Loans 9.1	TIPS 4.2	U.S. HY 6.4	EMD 9.3
Lev. Loans 6.2	MBS 6.1	EMD 1.2	EMD 10.2	Global ex-US 9.8	Ultra-Short 1.9	U.S. HY 14.3	Global ex-US 9.8	Lev. Loans 5.4	Lev. Loans -1.1	Lev. Loans 13.0	U.S. HY 8.2	MBS 3.1	Lev. Loans 5.4	Global ex-US 8.4
Ultra-Short 0.1	U.S. Agg 6.0	U.S. Agg 0.5	Lev. Loans 9.9	U.S. HY 7.5	Lev. Loans 1.1	Diversified Portfolio 9.3	U.S. Agg 7.5	U.S. HY 5.3	ABS -3.2	EMD 11.1	ABS 6.8	U.S. Agg 2.8	EMD 4.6	U.S. HY 7.9
Diversified Portfolio 0.0	Diversified Portfolio 4.1	ABS 0.2	Diversified Portfolio 6.2	Diversified Portfolio 4.8	MBS 1.0	U.S. Agg 8.7	U.S. HY 7.1	ABS 1.1	U.S. HY -11.2	Diversified Portfolio 7.7	EMD 6.5	Global ex-US 2.5	Diversified Portfolio 3.3	Lev. Loans 5.6
ABS -0.3	TIPS 3.6	Ultra-Short 0.1	TIPS 4.7	Lev. Loans 4.2	U.S. Agg 0.0	TIPS 8.4	Diversified Portfolio 6.6	Diversified Portfolio 0.5	Diversified Portfolio -11.2	ABS 7.0	Ultra-Short 5.3	EMD 2.2	TIPS 2.9	TIPS 5.1
MBS -1.4	U.S. HY 2.5	Lev. Loans -0.4	U.S. Agg 2.6	U.S. Agg 3.5	Diversified Portfolio -0.4	Lev. Loans 8.2	EMD 5.3	Ultra-Short 0.1	MBS -11.8	Global e x-US 5.8	Diversified Portfolio 3.6	Diversified Portfolio 2.2	ABS 2.8	U.S. Agg 4.7
U.S. Agg -2.0	Lev. Loans 2.1	Diversified Portfolio -0.9	ABS 2.0	TIPS 3.0	TIPS -1.3	MBS 6.4	MBS 3.9	MBS -1.0	TIPS -11.8	U.S. Agg 5.5	TIPS 1.8	ABS 1.7	U.S. Agg 2.4	Diversified Portfolio 4.4
Global ex-US -3.0	ABS 1.7	TIPS -1.4	Global ex-US 1.8	ABS 3.0	Global ex-US -1.9	Global ex-US 5.8	ABS 3.4	U.S. Agg -1.5	U.S. Agg -13.0	Ultra-Short 5.1	U.S. Agg 1.3	Ultra-Short 1.0	MBS 1.8	MBS 4.2
EMD -5.3	Ultra-Short 0.1	U.S. HY -4.5	MBS 1.7	MBS 2.5	U.S. HY -2.1	ABS 3.8	Lev. Loans 2.8	EMD -1.8	EMD -17.8	MBS 5.0	MBS 1.2	U.S. HY 1.0	Ultra-Short 1.3	ABS 2.3
TIPS -8.6	Global ex-US -2.2	Global ex-US -5.3	Ultra-Short 0.5	Ultra-Short 0.9	EMD -4.3	Ultra-Short 2.4	Ultra-Short 0.9	Global ex-US -6.4	Global ex-US -18.1	TIPS 3.9	Global ex-US -3.5	Lev. Loans 0.6	Global ex-US 0.2	Ultra-Short 0.9

Extended sectors

Core complements Core holdings

Fixed income sector returns and volatility (%)

Source: Bloomberg, J.P. Morgan Asset Management, 3/31/25. Fixed income sectors shown above are provided by Bloomberg unless otherwise noted and are represented by the broad market: U.S. Aggregate Bond Index; US Treasury Bill 3-6 month Index, US Aggregate Credit – Corporate High Yield, Emerging Market Debt (USD), Global Inflation-Linked – US TIPS, US Aggregate Securitized – MBS, Bloomberg US Aggregate Securitized – ABS, Global ex-US Aggregate Index, and the Credit Suisse Leveraged Loan Index. The Diversified Portfolio assumes annual rebalancing across the following weights: 45% U.S. Agg; 20% HY; 5% MBS; 5% TIPs; 5% EMD; 5% Ultra-Short; 5% Global Aggregate ex-US; 5% Leveraged Loans; 5% ABS. ABS data prior to June 2012 are sourced from Bloomberg. Annualized return and volatility are 15 years ending 3/31/25. Past performance is not indicative of future returns.



Fixed income triangle: A strategic framework for diversification

An appropriately diversified
fixed income portfolio can help
investors generate income, provide
diversification to equities and lower
overall portfolio volatility, while
balancing bond market risk and
opportunity. It's important to:

- Maintain a broad allocation to core bonds to provide diversification to equities
- Augment with core complements to reduce fixed income volatility
- Add extended sectors to increase income and return potential

Core holdings	Provide diversification to stocks, but tend to be lower yielding. Active management and broader diversification within
	core portfolios can improve risk-adjusted returns.
Core complements	Opportunistic, absolute return and inflation strategies seek returns with less correlation to core fixed income.
	Ultra-short strategies reduce portfolio duration and volatility.
	Can hedge downside risk and reduce fixed income volatility.
Extended sectors	Can provide income and/or the potential for higher returns.
	Higher-yielding bonds can improve performance, but have increased credit risk and require frequent evaluation.



Shown for illustrative purposes only. Because everyone's circumstances are unique, this model can provide a framework for discussion between you and your financial professional.

Diversification does not guarantee investment returns and does not eliminate the risk of loss. Investments in fixed income securities are subject to interest rate risk. If rates increase, the value of the investment generally declines. Lowering a portfolio's volatility can, in and of itself, improve returns. Mathematically, when comparing two portfolios with the same average annual return, the portfolio with the lower volatility (i.e., the portfolio where each year's returns are generally closer to the average) will have higher compounded returns over time. The larger the swings in compounded return, the lower the total return over time.

Bond investing based on your needs and changing markets

Use this framework to:

Build a bond portfolio based on your unique goals and circumstances
Adjust your portfolio as interest rates change



* Rising or falling rates can result in short-term gains or losses. However, in most rate environments, a high-quality core portfolio that is managed to a specific duration is likely to experience a total return, at duration, that aligns with the initial yield. Thus, an investor's time horizon should determine the duration of their core portfolio, assuming the investor's holding period is at least the length of the portfolio's duration.

Shown for illustrative purposes only. Because everyone's circumstances are unique, these models can provide a framework for discussion.

Taxable fixed income funds





Tax-exempt fixed income funds



Managed Accounts

current income while maintaining stability of principal. Invests primarily in municipal bonds that are exempt from federal income taxes

- Selects individual securities following risk/reward evaluation of interest rate risk, credit risk and the complex legal and technical structure of the transaction.
- Aims to uncover opportunities in high-guality, shortterm municipals in an effort to achieve repeatable results through market cycles.

National Municipal Income Fund

•

I JITIX | A JITAX



Short-term

- Designed to deliver monthly income (excluded from federal gross income) and capital preservation by investing in municipal bonds.
- Invests primarily in a diversified portfolio of intermediate-term municipal bonds in an effort to protect after-tax investment value.
- Aims to help minimize tax liability while producing income
- Conducts extensive risk/reward analysis to select securities, quantitative analysis and fundamental credit research.

In addition to mutual funds and ETFs, investors can access core bonds through our separately managed accounts and laddered portfolios

IMPORTANT INFORMATION: Separately Managed Accounts (SMAs) are not mutual funds. SMAs are discretionary accounts managed by J.P. Morgan Investments Managements Inc. (JPMIM), a federally registered investment adviser. Professional money management may be suitable for all investors. It should not be assumed that investments made in the future will be profitable.

^{1,2} The Fund commenced operations after the assets of JPMorgan Sustainable Municipal Income Fund were transferred to the Fund in a tax-free reorganization as of the close of business on 7/14/23. See the Fund's Prospectus for further information.



The following risks could cause the fund to lose money or perform more poorly than other investments. For more complete risk information, see the prospectus. JPMorgan Core Bond Fund and JPMorgan Core Plus Bond Fund Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops. JPMorgan Income Fund Securities rated below investment grade are considered "high yield," "non-investment grade," "below investment grade," or "junk bonds." They generally are rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although they can provide higher yields than higher-rated securities, they can carry greater risk. International investing has a greater degree of risk and increased volatility due to political and economic instability of some overseas markets. Changes in currency exchange rates and different accounting and taxation policies outside the United States can affect returns. JPMorgan High Yield Fund Securities rated below investment grade are considered "high-yield," "non-investment grade," "below investment-grade," or "junk bonds." They generally are rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although they can provide higher yields than higher rated securities, they can carry greater risk. Investments in derivatives may be riskier than other types of investments. They may be more sensitive to changes in economic or market conditions than other types of investments. Derivatives may create leverage, which could lead to greater volatility and losses that significantly exceed the original investment. JPMorgan Inflation Managed Bond ETF Unlike conventional bonds, the principal or interest of inflation-linked securities such as TIPS is adjusted periodically to a specific rate of inflation. These securities may lose value in the event that the actual rate of inflation is different than the rate of the inflation index. JPMorgan Global Bond Opportunities Fund Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops, International investing bears greater risk due to social, economic, regulatory and political instability in countries in "emerging markets." This makes emerging markets securities more volatile and less than liquid developed market securities. Changes in exchange rates and differences in accounting and taxation policies outside the United States can also affect returns. JPMorgan Global Bond Opportunities ETF Investing involves risk, including possible loss of principal. Investment returns and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than their original cost. ETF shares are bought and sold throughout the day on an exchange at market price (not NAV) through a brokerage account, and are not individually redeemed from the fund. Shares may only be redeemed directly from a fund by Authorized Participants, in very large creation/redemption units. For all products, brokerage commissions will reduce returns. Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops. Securities rated below investment grade are considered "high yield," "non-investment grade," "below investment grade," or "junk bonds," and are usually rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although they tend to provide higher yields than higherrated securities, they can carry greater risk. International investing has a greater degree of risk and increased volatility due to political and economic instability of some overseas markets. Changes in currency exchange rates and different accounting and taxation policies outside the United States can affect returns. Also, some overseas markets may not be as politically and economically stable as the United States and other nations. Emerging markets involve heightened risks related to the same factors as well as increased volatility and decreased trading volume. The Fund is actively managed and there is no guarantee the Fund will achieve its investment objective. Actively managed funds typically charge more than index-linked products. Diversification may not protect against market loss. JPMorgan Active Bond ETF Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops. Investments in asset-backed, mortgagerelated and mortgage-backed securities are subject to certain risks including prepayment and call risks, resulting in an unexpected capital loss and/or a decrease in the amount of dividends and yield. During periods of difficult credit markets, significant changes in interest rates or deteriorating economic conditions, such securities may decline in value, face valuation difficulties, become more volatile and/or become illiquid. JPMorgan Short

Duration Core Plus Fund CMOs are collateralized mortgage obligations, which are issued in multiple classes, and each class may have its own interest rate and/or final payment date. A class with an earlier final payment date may have certain preferences in receiving principal payments or earning interest. As a result, the value of some classes may be more volatile and may be subject to higher risk of nonpayment. JPMorgan Strategic Income Opportunities Fund Securities rated below investment grade are considered "high yield," "non-investment grade," "below investment grade," or "junk bonds." They generally are rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although these securities tend to provide higher yields than higher-rated securities, they tend to carry greater risk. International investing bears greater risk due to social, economic, regulatory and political instability in countries in "emerging markets." This makes emerging markets securities more volatile and less than liquid developed market securities. Changes in exchange rates and differences in accounting and taxation policies outside the United States can also affect returns. JPMorgan International Bond Opportunities ETF International investing is more risky in emerging markets, which typically have less-established economies than developed regions and may face greater social, economic, regulatory and political uncertainties. Emerging markets typically experience greater illiquidity, price volatility, and difficulty in determining market valuations of securities. Investments in loans that are issued by companies which are highly leveraged, less creditworthy or financially distressed (known as junk bonds) are considered to be speculative and may be subject to greater risk of loss. Such investments may be subject to additional risks including subordination to other creditors, no collateral or limited rights in collateral, lack of a regular trading market, extended settlement periods, liquidity risks, prepayment risks, potentially less protection under the federal securities laws and lack of publicly available information. JPMorgan Ultra-Short Income ETF Income from investments in municipal securities is exempt from federal income tax. The risk of a municipal obligation generally depends on the financial and credit status of the issuer. International investing involves a greater degree of risk and increased volatility. Changes in currency exchange rates and differences in accounting and taxation policies outside the United States can raise or lower returns. Also, some overseas markets may not be as politically and economically stable as the United States and other nations. Emerging markets involve heightened risks related to the same factors as well as increased volatility and decreased trading volume. The value of investments in mortgage-related and asset-backed securities will be influenced by the factors affecting the housing market and the assets underlying such securities. The securities may decline in value, face valuation difficulties. become more volatile and/or become illiquid. They are also subject to prepayment risk, which occurs when mortgage holders refinance or otherwise repay their loans sooner than expected, creating an early return of principal to holders of the loans. The Fund will likely engage in active and frequent trading leading to increased portfolio turnover, higher transaction costs, and the possibility of increased capital gains. Securities rated below investment grade are considered "high yield," "non-investment grade," "below investment grade," or "junk bonds." They generally are rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although they can provide higher yields than higher-rated securities, they can carry greater risk. JPMorgan Unconstrained Debt Fund Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops, Securities rated below investment grade are considered "high yield," "non-investment grade," "below investment grade," or "junk bonds." They generally are rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although these securities tend to provide higher yields than higher-rated securities, they tend to carry greater risk. All fixed income ETFs Investments in bonds and other debt securities will change in value based on changes in interest rates. If rates rise, the value of these investments generally drops. Diversification may not protect against market loss. The ETFs are actively managed and there is no guarantee they will achieve their investment objective. Actively managed funds typically charge more than index-linked products.

Fixed income securities are subject to interest rate risk. If rates increase, the value of the Funds' investments generally declines. The risk of defaults is generally higher in the case of subprime mortgage-related and asset-backed securities that include so-called "subprime" mortgages. The structure of

J.P.Morgan

Portfolio Insights

some of these securities may be complex and there may be less available information than other types of debt securities. These securities that may or may not be guaranteed by governments and their agencies, supranational organizations, corporations, or banks. The value of these assets will be influenced by factors affecting the assets underlying such securities. During periods of declining asset values, the asset-backed securities may decline in value. Futures contracts, swaps, options and derivatives often create leverage, thereby causing the Fund to be more volatile than it would be if it had not used derivatives. Emerging markets and foreign/international securities involve special risks, including economic, political and currency instability-especially in emerging markets. The Funds' investments in emerging markets could lead to more volatility in the value of the Funds' shares. The small size of securities markets and the low trading volume may lead to a lack of liquidity, which leads to increased volatility. Emerging markets may not provide adequate legal protection for private or foreign investment or private property. Securities rated below investment grade (i.e., "high yield" or "junk bonds") are generally rated in the fifth or lower rating categories of Standard & Poor's and Moody's Investors Service. Although these securities tend to provide higher yields than higher-rated securities, there is a greater risk that the Funds' share prices will decline. Short sales: There is no guarantee that the use of long and short positions will succeed in limiting the Funds' exposure to domestic stock market movements, capitalization, sector swings or other risk factors. Investment in a portfolio involved in long and short selling may have higher portfolio turnover rates. This will likely result in additional tax consequences. Short selling involves certain risks, including additional costs associated with covering short positions and a possibility of unlimited loss on certain short sale positions. Investments in equity securities may rise or fall because of changes in the broad market or changes in a company's financial condition, sometimes rapidly or unpredictably. When the value of a fund's securities goes down, an investment in a fund decreases in value. The risk of a municipal obligation generally depends on the financial and credit status of the issuer. Changes in a municipality's financial health may make it difficult for the municipality to make interest and principal payments when due. Under some circumstances, municipal obligations might not pay interest unless the state legislature or municipality authorizes money for that purpose. Municipal obligations may be more susceptible to downgrades or defaults during recessions or similar periods of economic stress.

Contact JPMorgan Distribution Services, Inc. at 1-800-480-4111 for a prospectus. Carefully consider the fund's objectives, risks, charges and expenses before investing. The prospectus contains this and other fund information. Read it carefully before investing. Investors should carefully consider the investment objectives and risks as well as charges and expenses of the JPMorgan ETF before investing. The summary and full prospectus contain this and other information about the ETF. Read the prospectus carefully before investing. Call 1-844-4JPM-ETF or visit www.jpmorganETFs.com to obtain a prospectus.

Past performance is no guarantee of future returns.

J.P. Morgan Asset Management is the marketing name for the asset management business of JPMorgan Chase & Co. and its affiliates worldwide.

J.P. Morgan Funds and J.P. Morgan Exchange Traded Funds are distributed by JPMorgan Distribution Services, Inc., which is an affiliate of JPMorgan Chase & Co. Affiliates of JPMorgan Chase & Co. receive fees for providing various services to the funds. JPMorgan Distribution Services, Inc. is a member of FINRA.

This commentary is intended solely to report on various investment views held by J.P. Morgan Asset Management. Opinions, estimates, forecasts and statements of financial market trends that are based on current market conditions constitute our judgment and are subject to change without notice. We believe the information provided here is reliable but should not be assumed to be accurate or complete. These views and strategies described may not be appropriate for all investors. References to specific securities, asset classes and financial markets are for illustrative purposes only and are not intended to be, and should not be interpreted as, recommendations. The information is not intended to provide, and should not be relied on for, accounting, investment, legal or tax advice. Past performance is no guarantee of future results. Please note that investments in foreign markets are subject to special currency, political and economic risks. The manager seeks to achieve the stated objectives. There can be no guarantee the objectives will be met.

If you are a person with a disability and need additional support in viewing the material, please call us at 1-800-343-1113 for assistance.

© 2025 JPMorgan Chase & Co. All rights reserved.

PI-FIXINC-ALL

eac223f0-8238-11e6-84fc-005056960c8a

