



Separately Managed Accounts

# Western Asset Managed Municipal Portfolios

3Q 2025

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Not FDIC Insured | No Bank Guarantee | May Lose Value

Your trusted partner for what's ahead™



For our clients, we are:



At-a-glance



1. AUM is in USD as of 30 September 2025. Total AUM of \$1.6tn includes \$78.5 Billion in cash management that is not represented here.

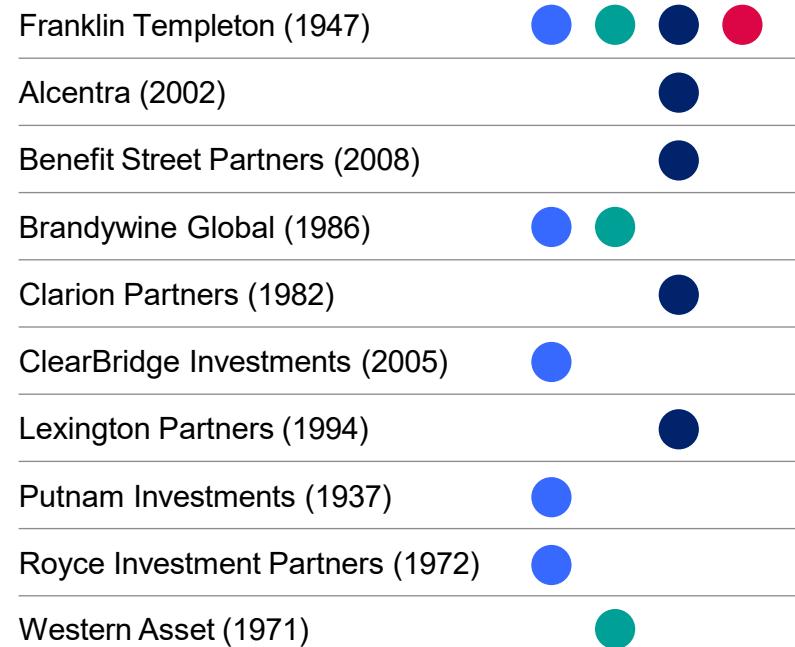
# Investment specialisation across public and private markets



## Our Investment Capabilities (USD Billion)



## Our Investment Managers Asset Classes



## Complemented by innovations in

Sustainable and Impact investing, ETFs, Custom Indexing, Frontier Risk Alternatives, and others

# Western Asset Management Approach and Philosophy



Western Asset is a global investment management firm committed to understanding the needs of each client, identifying investment solutions, and delivering superior long-term investment results

## Team-managed approach

- Team unites groups of specialists dedicated to different market sectors
- Each group of sector specialists utilizes its expertise in bottom-up analysis of each portfolio sector

## Investment Philosophy

Long-term, fundamental value discipline

- Bottom-up
- Top-down

## Diversified strategies

- Depth of resources
- Global

## Integrated analytics and risk management

- Relative value analysis
- Transparency and communication

## Objective-Driven Investing

Seeks to:

- Protect from rising rates
- Protect from inflation
- Preserve capital
- Diversify globally
- Hedge liabilities
- Enhance income
- Generate tax-free income
- Generate total return
- Achieve ESG objectives

## Core Fixed Income

- Intermediate
- Core
- Core Full Discretion
- Investment-Grade Credit
- Agency Mortgage-Backed

## Generate Total Return

- Total Return Unconstrained
- Global Total Return
- Global Multi-Sector
- Dynamic Fixed Income
- Credit Opportunities
- MBS Opportunities
- Emerging Market

## Enhance Income

- Short-Duration High Income
- Emerging Markets Debt
- High Yield
- Diversified High Income
- Structured Products/REIT/ CLO

## Increase Alpha

- Global Credit Absolute Return
- Macro Opportunities

## Hedge Liabilities

- Long Duration
- Long Credit
- Liability-Driven Investing
- Tail Risk Management

# Western Asset Managed Municipal Portfolios



## Overview

Western Asset Managed Municipal Portfolios consist of directly owned individual securities and shares of a no-fee mutual fund advised by Western Asset. The no-fee fund is used by Western Asset to achieve appropriate levels of diversification, as well as blend the attractive features of individually managed portfolios with the benefit of exposures to sectors that are normally difficult to include in a separately managed account with low minimum investment requirements.

## Objectives

The strategy seeks to provide current income exempt from regular federal income taxes and achieve total return over a full market cycle.

## Philosophy

- Provide investors with diversified, long-term value-oriented portfolios.
- Through integrated risk management and analytics, seek to deliver solid risk-adjusted returns.
- Bottom-up credit focus targets long-term trends leading to lower-turnover portfolios seeking to weather cyclical storms.

## What are the risks?

**All investments involve risks, including possible loss of principal.** **Fixed income securities** involve interest rate, credit, inflation and reinvestment risks, and possible loss of principal. As interest rates rise, the value of fixed income securities falls. **Liquidity risk** exists when securities or other investments become more difficult to sell, or are unable to be sold, at the price at which they have been valued. Portfolios focused on a **single state** are subject to greater risk of adverse economic and regulatory changes than a geographically diversified portfolio. Investments in **underlying funds** are subject to the same risks as, and indirectly bear the fees and expenses of, the underlying funds. **Low-rated, high-yield bonds** are subject to greater price volatility, illiquidity and possibility of default.

## Key differentiators

### Unique structure

- Hybrid approach combining:
  - flexibility across the full municipal credit and duration spectrum
  - ability to rotate sectors more tactically
  - ability to own smaller, less liquid holdings
  - ability to manage through the interest rates cycle by employing the firm's macro views with interest rate hedges
- Provides broader access and greater diversification among fixed income sectors than traditional separately managed accounts of similar size.

### Municipal expertise

- Managing municipal portfolios since 1981.
- Team supported by both credit and quantitative research analysts.

### Overseen by a fixed income leader

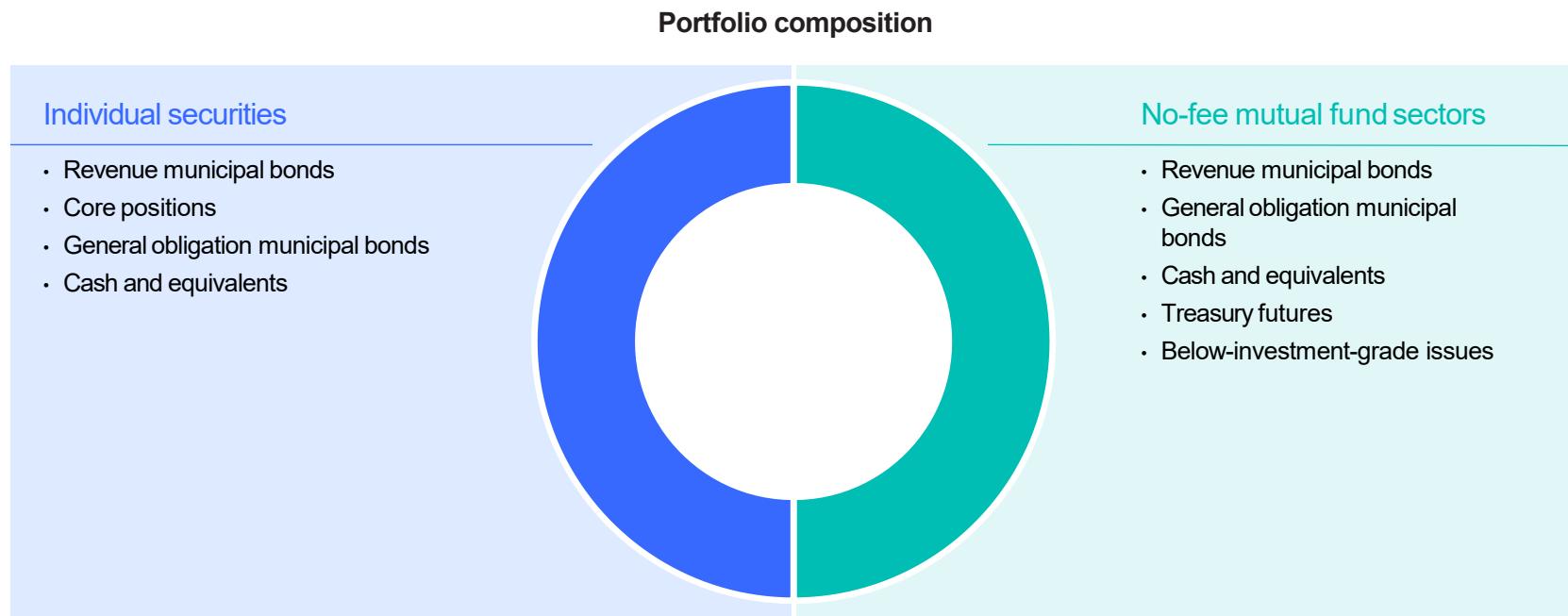
- Institutional-caliber buying power and trading expertise.
- Access to highly regarded municipal bond sector specialists.
- Exclusively focused on fixed income management.

# Western Asset Managed Municipal Portfolios

## investment process



Western Asset portfolios will normally maintain a minimum of 50% of the portfolio in individual securities. These securities will consist primarily of municipal securities across the investment-grade sector, but they may also include higher-yielding, lower-rated municipals. These municipal securities are an integral part of the overall portfolio construction and are actively managed in concert with the no-fee fund.



For illustrative purposes only.

Allocations are subject to change.

Important Information: Managed Municipal are available as separately managed accounts that utilize both individual securities and no-fee mutual funds. These mutual funds were created specifically for, and are made available exclusively through, these separately managed accounts. Investments in these separately managed accounts present special considerations. The mix of investments may vary depending on market conditions, the manager's views as to relative attractiveness of available sectors, cash flows into and out of the account, and other factors. The funds prospectus is available from your financial professional and includes information on fund investment objectives, strategies and risks.

# Western Asset Managed Municipal Portfolios investment process



## STEP 1

### Identify attractive sectors

Invest mainly investment grade municipals, but may also include higher-yielding, lower-rated securities, limited to 20% of assets.

## STEP 2

### Identify municipal issuers

Bottom-up credit research targeting long-term relative value positions within the municipal sector.

## STEP 3

### Manage through interest rate cycles

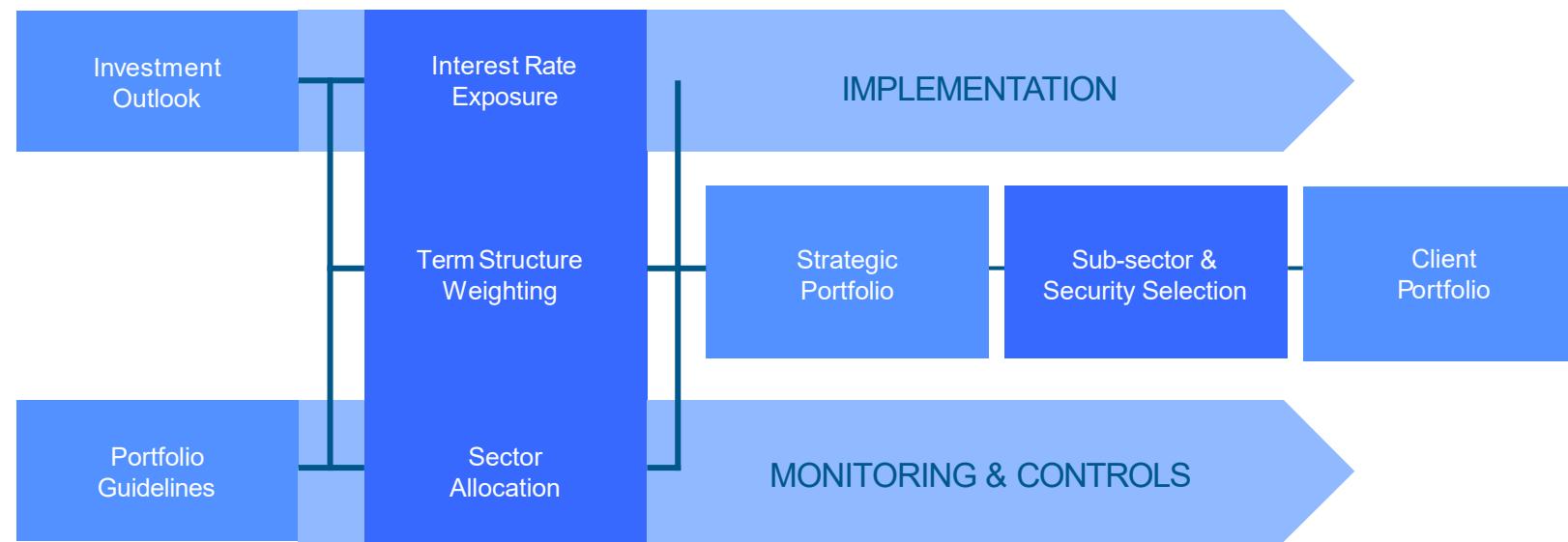
Employs a book yield objective, integrated throughout the portfolio and risk processes, with the goal of maintaining a buy/hold low-turnover portfolio that can weather cyclical storms.

# Western Asset Managed Municipal Portfolios

## Investment process



By implementing the process illustrated, Western seeks to provide investors with diversified, value-oriented, tightly controlled portfolios that exceed benchmark returns while approximating the benchmark's risk. Of course, there is no guarantee that investment objectives will be achieved.



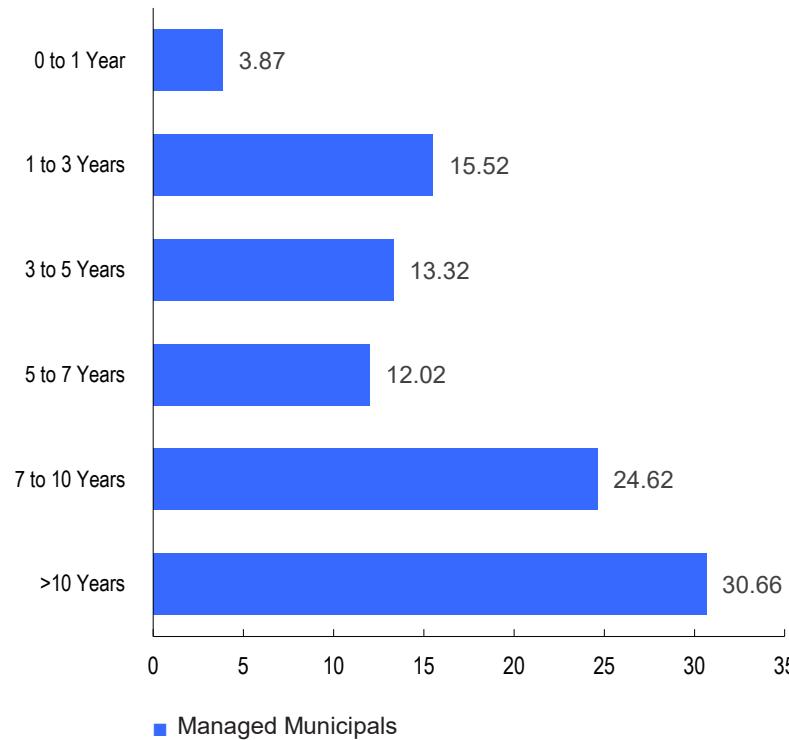
The investment process may change over time. The characteristics set forth are intended as a general illustration of some of the criteria the strategy team considers in selecting securities for client portfolios. There is no guarantee investment objectives will be achieved.

# Fixed Income portfolio characteristics

## As of 9/30/2025



### Average Life (%)



### Sector weightings (%)

	Managed Municipal
Transportation	23.37
Industrial Revenue	20.10
Hospital/Healthcare	11.21
Leasing	10.77
Local General Obligation	7.85
Water & Sewer	7.32
Education	6.31
Power	5.01
Special Tax	4.31
State General Obligation	2.39
Pre-Refunded	0.98
Variable Rate Demand Notes	0.46
Housing	0.23
Other	0.10
Solid Waste/Recovery	0.00
Commercial Mortgage Backed Securities	0.00

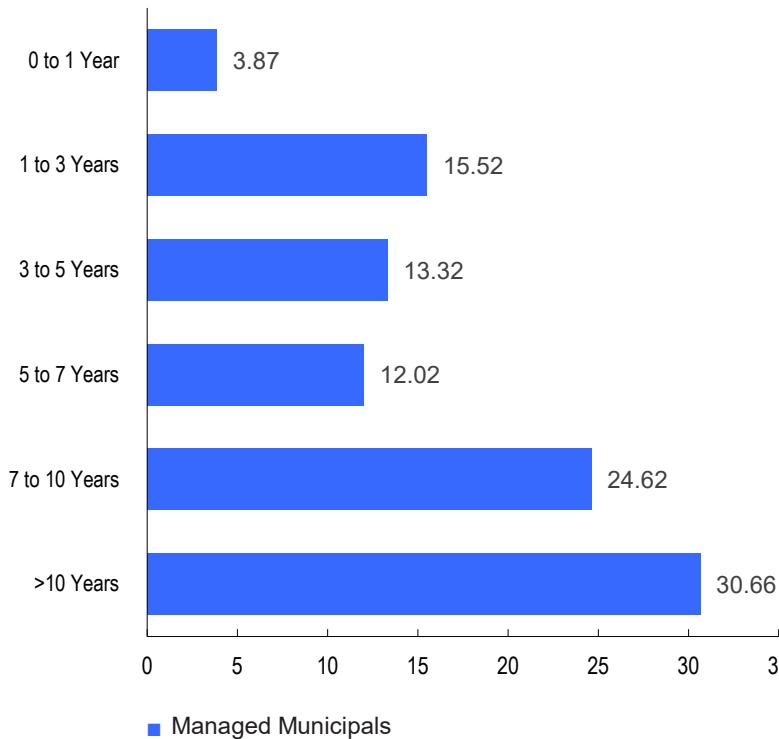
Source: Western Asset. Average Life and weightings listed are based on representative accounts and assumes no withdrawals, contributions, or client-imposed restrictions. Average Life and weightings of individual client accounts may differ from those of the representative accounts as a result of account size, client-imposed restrictions, the timing of client investments, market conditions, contributions, withdrawals and other factors. **Please see appendix for term definitions.**

# Fixed Income portfolio characteristics

## As of 9/30/2025



### Average Life (%)



### Sector weightings (%)

	Managed Municipal
Cash & Cash Equivalents	-0.41

Source: Western Asset. Average Life and weightings listed are based on representative accounts and assumes no withdrawals, contributions, or client-imposed restrictions. Average Life and weightings of individual client accounts may differ from those of the representative accounts as a result of account size, client-imposed restrictions, the timing of client investments, market conditions, contributions, withdrawals and other factors. **Please see appendix for term definitions.**

# Fixed income portfolio characteristics

## As of 9/30/2025



Credit Quality (%)	Managed Municipals
AAA	2.98
AA	38.04
A	41.65
BBB	12.06
<BBB	2.84
NR	2.84
Cash & Cash Equivalents	-0.41

Characteristics (%)	Managed Municipals
Effective Duration	6.88 Years
Yield to Worst	3.92%
Weighted Average Life	8.93 Years
Cash Flow	3.64%

Source: Western Asset. Portfolio characteristics and weightings listed are based on representative accounts and assumes no withdrawals, contributions, or client-imposed restrictions. Portfolio characteristics and weightings of individual client accounts may differ from those of the representative accounts as a result of account size, client-imposed restrictions, the timing of client investments, market conditions, contributions, withdrawals and other factors. **Please see appendix for term definitions.**

**Yield to Worst** is calculated without the deduction of fees and expenses.

# Performance



## Annualized rates of return – pure gross and net of fees (%) as of September 30, 2025

	1 Mth	3 Mths	YTD	1 Year	3 Year	5 Year	7 Yrs	10 Year	15 Yrs	20 Year	25 Yrs
Managed Municipalities—Pure Gross of Fees—(USD)	2.52	3.01	2.27	0.94	4.61	1.25	2.62	2.54	3.55	4.09	4.60
Managed Municipalities—Net of Fees—(USD)	2.39	2.63	1.13	-0.55	3.07	-0.25	1.10	1.02	2.02	2.56	3.06
Bloomberg Muni Bond Index—(USD)	2.32	3.00	2.64	1.39	4.74	0.86	2.38	2.34	2.94	3.48	4.05

## Calendar-year total returns – pure gross and net of fees (%) ending December 31

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Managed Municipalities—Pure Gross of Fees—(USD)	1.65	6.26	-7.92	2.18	5.20	7.95	0.92	5.61	0.53	3.45
Managed Municipalities—Net of Fees—(USD)	0.14	4.69	-9.29	0.67	3.65	6.36	-0.58	4.05	-0.96	1.92
Bloomberg Muni Bond Index—(USD)	1.05	6.40	-8.53	1.52	5.21	7.54	1.28	5.45	0.25	3.30

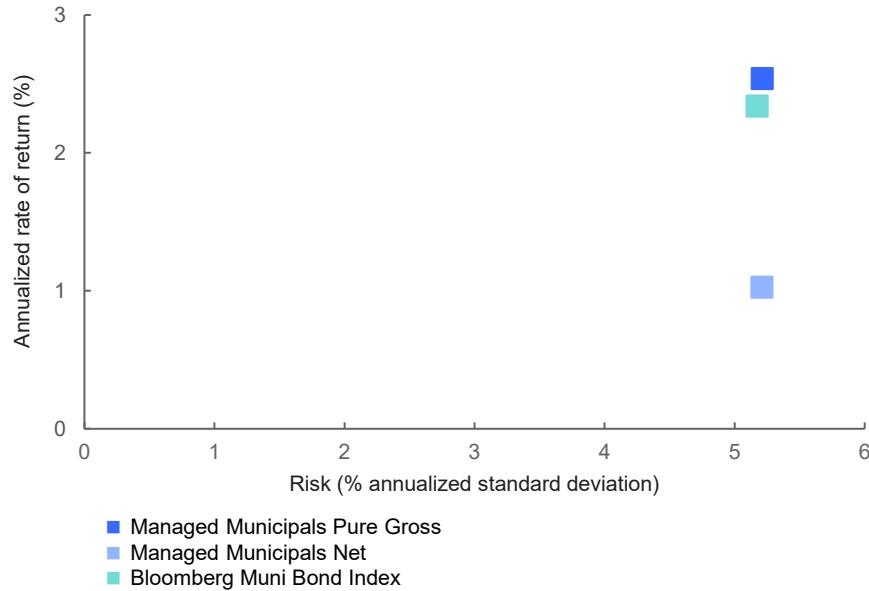
Periods less than one year are not annualized. Performance results are for the composite which includes all actual, fully discretionary accounts with substantially similar investment policies and objectives managed to the composite's investment strategy. Composite returns are stated in U.S. dollars and assume reinvestment of any dividends, interest income, capital gains, or other earnings. The composite may include account(s) that are gross of fees and pure gross of fees. "Pure" gross-of-fee returns do not reflect the deduction of any expenses, including transaction costs. A traditional (or "true") gross-of-fee return reflects performance after the reduction of transaction costs but before the reduction of the investment advisory fee. The gross-of-fee return may include a blend of "true" gross-of-fee returns for non-wrap accounts and "pure" gross-of-fee returns for wrap accounts. Net-of-fee returns are reduced by a model "wrap fee" (1.5% is the maximum anticipated wrap fee for fixed income portfolios) which includes trading expenses as well as investment management, administrative and custodial fees. The model wrap fee used represents the highest anticipated wrap fee applicable to the strategy. Actual fees and account minimums may vary.

For fee schedules, contact your financial professional, or if you enter into an agreement directly with Franklin Templeton Private Portfolio Group, LLC ("FTPPG"), refer to FTPPG's Form ADV Part 2A disclosure document. Management and performance of individual accounts may vary for reasons that include the existence of different implementation practices and model requirements in different investment programs. Past performance is not a guarantee of future results. Please see appendix for GIPS® Report and term definitions.

# Risk/return profile



**Pure gross and net of fees** (based on 10-year period ending September 30, 2025)



**Modern portfolio statistics** as of September 30, 2025

	Managed Municipal Pure Gross	Managed Municipal Net	Bloomberg Muni Bond Index
Annualized Return (%)	2.54	1.02	2.34
Annualized Standard Deviation (%)	5.21	5.21	5.17
Sharpe Ratio	0.10	-0.18	0.07
Beta	1.00	1.00	N/A
Alpha (%)	0.20	-1.28	N/A
R-Squared	0.98	0.98	N/A

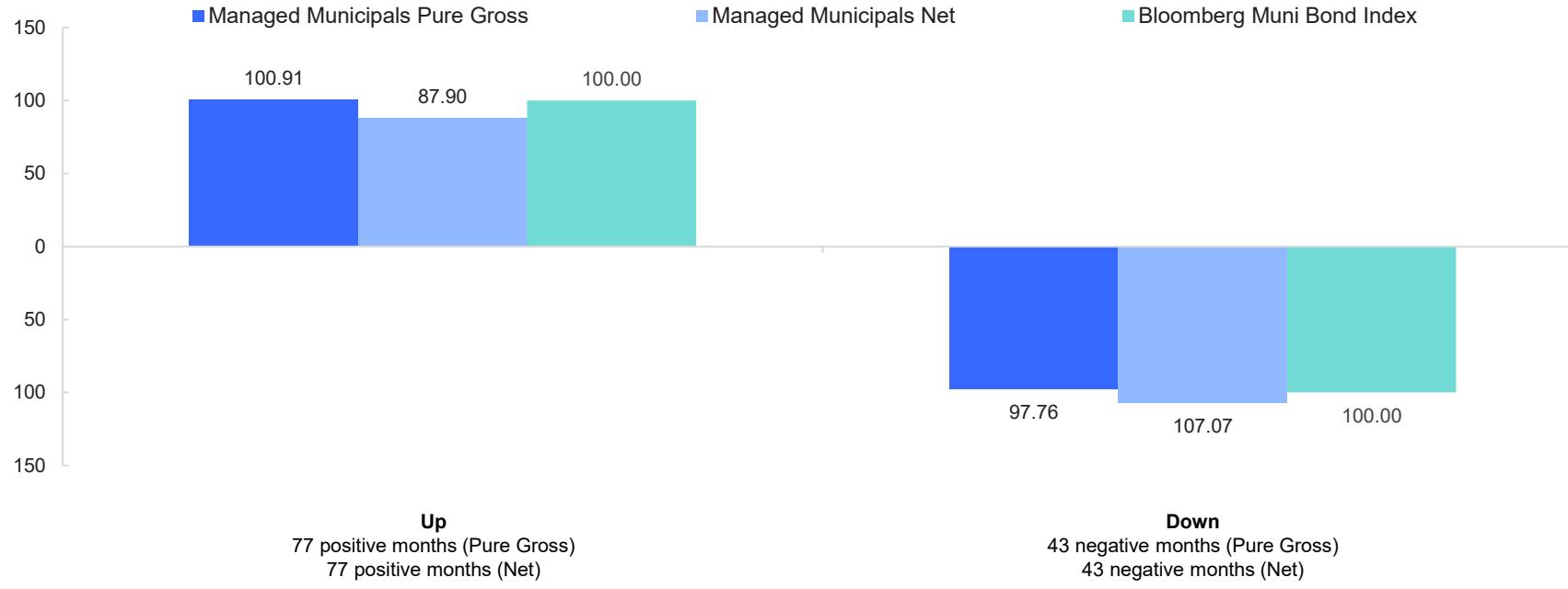
Alpha, Beta, Sharpe Ratio, and R-Squared are shown versus the Index. Investors cannot invest directly in an index and unmanaged index returns do not reflect any fees, expenses or sales charges. Periods less than one year are not annualized. Performance results are for the composite which includes all actual, fully discretionary accounts with substantially similar investment policies and objectives managed to the composite's investment strategy. Composite returns are stated in U.S. dollars and assume reinvestment of any dividends, interest income, capital gains, or other earnings. The composite may include account(s) that are gross of fees and pure gross of fees. "Pure" gross-of-fee returns do not reflect the deduction of any expenses, including transaction costs. A traditional (or "true") gross-of-fee return reflects performance after the reduction of transaction costs but before the reduction of the investment advisory fee. The gross-of-fee return may include a blend of "true" gross-of-fee returns for non-wrap accounts and "pure" gross-of-fee returns for wrap accounts. Net-of-fee returns are reduced by a model "wrap fee" (1.5% is the maximum anticipated wrap fee for fixed income portfolios) which includes trading expenses as well as investment management, administrative and custodial fees. The model wrap fee used represents the highest anticipated wrap fee applicable to the strategy. Actual fees and account minimums may vary.

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# Up down market capture ratios (%)



Pure Gross and net of fees (based on 10-year period ending September 30, 2025)



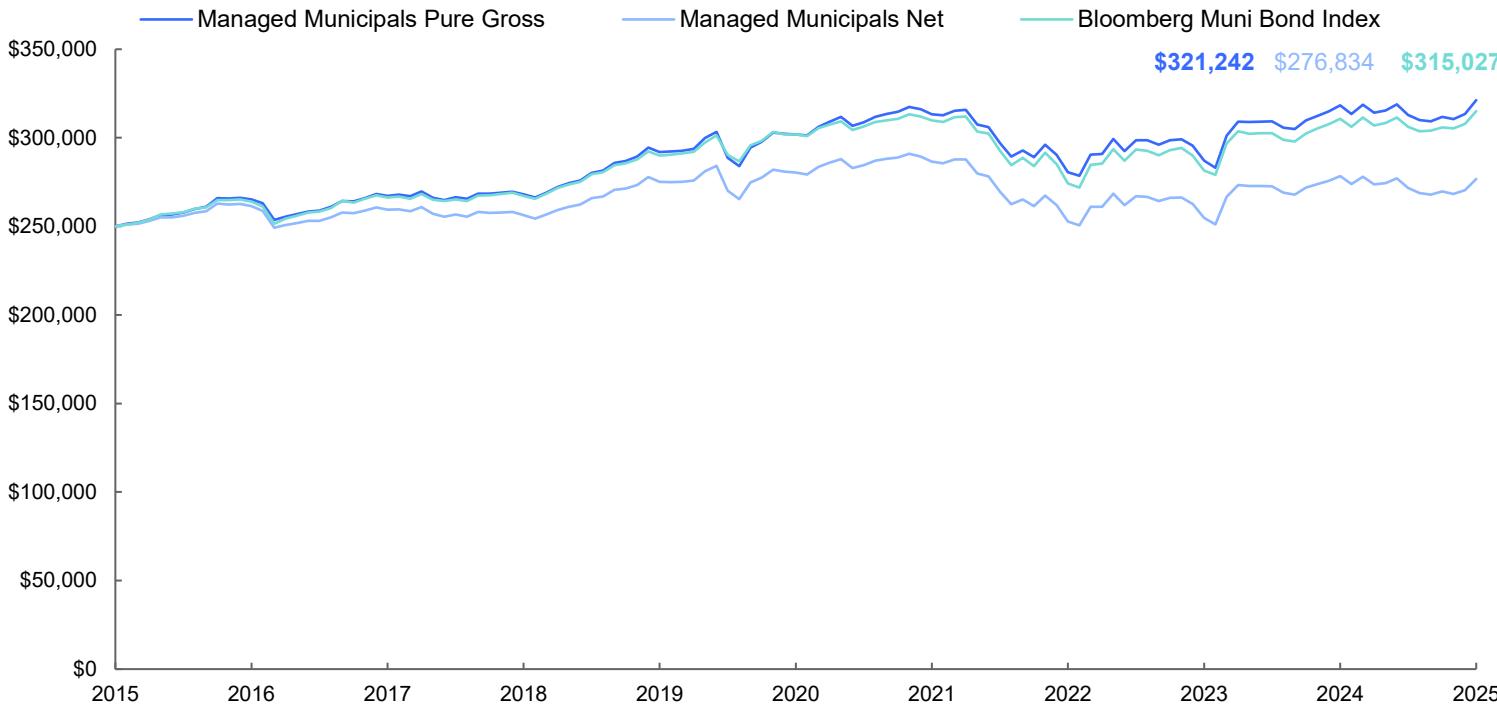
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# Growth of \$250,000



**Pure gross and net of fees** (based on 10-year period ended September 30, 2025)



For illustrative purposes only. Assumes no withdrawals or contributions. These statistics are based on gross and net-of-fees monthly composite returns, were calculated assuming reinvestment of dividends and income, and take into account both realized and unrealized capital gains and losses.

Periods less than one year are not annualized. Performance results are for the composite which includes all actual, fully discretionary accounts with substantially similar investment policies and objectives managed to the composite's investment strategy. Composite returns are stated in U.S. dollars and assume reinvestment of any dividends, interest income, capital gains, or other earnings. The composite may include account(s) that are gross of fees and pure gross of fees. "Pure" gross-of-fee returns do not reflect the deduction of any expenses, including transaction costs. A traditional (or "true") gross-of-fee return reflects performance after the reduction of transaction costs but before the reduction of the investment advisory fee. The gross-of-fee return may include a blend of "true" gross-of-fee returns for non-wrap accounts and "pure" gross-of-fee returns for wrap accounts. Net-of-fee returns are reduced by a model "wrap fee" (1.5% is the maximum anticipated wrap fee for fixed income portfolios) which includes trading expenses as well as investment management, administrative and custodial fees. The model wrap fee used represents the highest anticipated wrap fee applicable to the strategy. Actual fees and account minimums may vary.

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## Investment management team



Western Asset Management is one of the world's leading global fixed income managers. Founded in 1971, the firm is known for team management and proprietary research, supported by robust risk management and a long-term fundamental value approach.

**WESTERN ASSET MANAGED MUNICIPALS**
**Reporting Currency: USD**
**Strategy Inception Date: June 1994**
**Composite Creation Date: January 2016**

Period	Total Return (Net)	Total Return (*Pure Gross)	Benchmark Return	Number of Portfolios	% of Wrap Fee Portfolios in the Composite	Composite Dispersion	Composite 3 Yr. St. Dev.	Benchmark 3 Yr. St. Dev.	Total Composite Assets at End of Period (USD million)	Percentage of Firm Assets	Total Firm Assets at End of Period (USD million)
2023	4.69%	6.26%	6.40%	122	100	0.28%	7.20%	7.49%	117.6	0.03%	385,964.0
2022	-9.29%	-7.92%	-8.53%	98	100	0.40%	6.58%	6.48%	90.2	0.02%	391,755.8
2021	0.67%	2.18%	1.52%	124	100	0.19%	4.73%	3.99%	128.9	0.03%	488,490.0
2020	3.65%	5.20%	5.21%	102	100	0.38%	4.74%	4.01%	85.7	0.02%	479,809.9
2019	6.36%	7.95%	7.54%	85	100	0.37%	2.46%	2.47%	73.5	0.02%	455,275.9
2018	-0.58%	0.92%	1.28%	43	100	0.08%	3.24%	3.40%	36.1	0.01%	424,136.1
2017	4.05%	5.61%	5.45%	13	100	n/m	3.14%	3.35%	18.8	0.00%	436,309.0
2016	-0.96%	0.53%	0.25%	<5	100	n/m	3.47%	3.43%	5.0	0.00%	419,206.9
2015	1.92%	3.45%	3.30%	<5	100	n/m	4.22%	3.41%	4,782.7	1.10%	433,747.1
2014	10.01%	11.65%	9.05%	<5	100	n/m	4.82%	3.72%	4,445.7	0.95%	466,035.9

\*Pure gross of fee returns do not reflect the deduction of any expenses, including transaction costs, and are presented as supplemental to the net of fee returns.

n/m - Information is not statistically meaningful due to an insufficient number of portfolios in the composite for the entire year.

**Compliance Statement:**

Western Asset claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Western Asset has been independently verified for the periods from January 1, 1993 to December 31, 2023. The verification report is available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

**Firm Information:**

Founded in 1971, Western Asset Management Company is a global fixed-income investment manager with offices in Pasadena, New York, London, Singapore, Tokyo, Melbourne, São Paulo, Hong Kong, and Zürich. Western Asset is a wholly owned subsidiary of Franklin Resources, Inc. but operates autonomously. Western Asset is comprised of six legal entities across the globe, each with distinct regional registrations: Western Asset Management Company, LLC, a registered Investment Adviser with the Securities and Exchange Commission; Western Asset Management Company Distribuidora de Títulos e Valores Mobiliários Limitada is authorized and regulated by Comissão de Valores Mobiliários and Brazilian Central Bank; Western Asset Management Company Pty Ltd ABN 41 117 767 923 is the holder of the Australian Financial Services License 303160; Western Asset Management Company Pte. Ltd. Co. Reg. No. 200007692R is a holder of a Capital Markets Services License for fund management and regulated by the Monetary Authority of Singapore; Western Asset Management Company Ltd, a registered Financial Instruments Business Operator and regulated by the Financial Services Agency of Japan; and Western Asset Management Company Limited is authorised and regulated by the Financial Conduct Authority ("FCA") (FRN 145930). This communication is intended for distribution to Professional Clients only if deemed to be a financial promotion in the UK as defined by the FCA. This communication may also be intended for certain EEA countries where Western Asset has been granted permission to do so. For the current list of the approved EEA countries please contact Western Asset at +44 (0)20 7422 3000.

**Composite Information:**

Western Asset - Managed Municipal portfolios are discretionary fixed-income portfolios that seek to maximize current income exempt from regular federal income tax by investing primarily in municipal securities and other investments with similar economic characteristics. The Managed Municipal portfolios normally invest in intermediate-term and long-term municipal securities that have maturities from one to more than thirty years at the time of purchase. They typically focus on investment grade bonds but may invest up to 20% of the assets in below investment grade bonds in order to enhance current income. The Managed Municipal portfolios involve investments in individual municipal securities as well as investments in shares of the Western Asset SMASh Series TF Fund, an open-end investment management company. The composite is comprised of accounts that are separately managed accounts (SMAs) managed in accordance with the strategy with an account minimum of US \$250,000. The composite employs a 10% significant cash flow policy. Beginning January 1, 2016, the composite includes only SMA portfolios that are managed in accordance with the Western Asset Managed Municipal strategy. Prior to January 2016, performance results were calculated using Western Asset's US Municipal Long Composite which was comprised of institutional accounts with a minimum of US \$10 million. Net total returns were calculated by reducing the institutional gross-of-fees performance by the highest bundle fee of 1.5%. Western Asset follows substantially the same investment philosophy, strategies and processes in managing SMA Managed Municipal portfolios that it does in managing institutional US Municipal Long portfolios. The performance of Western's Managed Municipal Composite may vary from the performance of the institutional Municipal Long Composite, especially over shorter time periods and during periods of extraordinary market conditions. The SMA portfolios are implemented through a combination of individual holdings along with an allocation to a no load mutual fund share created to allow the portfolio managers to replicate the same themes and characteristics of our managed municipal institutional and mutual fund strategy. Members in the institutional composite typically hold individual securities.

**Input and Calculation Data:**

The current fee schedule is 1.50% on all assets. Net returns are calculated by deducting the anticipated maximum annual wrap fee applied on a monthly basis from the "pure" gross monthly return. The wrap fee includes all charges for trading costs, portfolio management, custody, and other administrative fees. Wrap fees may vary across different financial firms and across different accounts based upon account size and other factors. Dispersion is calculated using the asset-weighted standard deviation of annual gross returns of those portfolios that were included in the composite for the entire year (equal-weighted prior to 2014). Periods with five or fewer accounts are not statistically representative and are not presented. The three-year annualized ex-post standard deviation measures the variability of the composite and the benchmark returns over the preceding 36-month period. Past investment results are not indicative of future investment results. Information contained herein is believed to be accurate, but cannot be guaranteed. Employees and/or clients of Western Asset may have a position in the securities mentioned. A list of composite and limited distribution pooled fund descriptions and a list of broad distribution pooled funds is available upon request. Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon request. Please contact Michael Van Raaphorst at 212-601-6211 or Michael.VanRaaphorst@westernasset.com. GIPS® is a registered trademark of CFA Institute. CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein.

**Benchmark Information:**

For comparison purposes, composite returns are shown against returns of the Bloomberg® U.S. Municipal Bond Index.

# Definitions



## Index Definitions

The **Citi 3-Month T-Bill Index** is an unmanaged index of three-month Treasury bills. The index consists of an average of the last three-month U.S. Treasury bill issues.

The **Bloomberg Government Bond 1-3 Year Index** is an index that measures the performance of all public U.S. government obligations with remaining maturities of approximately 1-3 years. Bloomberg Indices.

The **Bloomberg 1-15 Year Blend (1-17) Municipal Bond Index** consists of a broad selection of investment-grade general obligation and revenue bonds of maturities from 1 to 17 years. Source: Bloomberg Indices.

The **Bloomberg Intermediate U.S. Government/Credit Index** is an unmanaged index that measures the performance of intermediate (one to ten years) government and corporate fixed-rate debt issues. Source: Bloomberg Indices.

The **Bloomberg Municipal 1 Year Index** is an unmanaged Index of municipal bonds with a remaining maturity of one to two years. Source: Bloomberg Indices.

The **Bloomberg Municipal 5 Year Index** is an unmanaged index that tracks USD-denominated long-term, tax-exempt bond market with maturities of 4-6 years, including state and local general obligation bonds, revenue bonds, insured bonds, and pre-refunded bonds. Source: Bloomberg Indices.

The **Bloomberg Municipal Bond Index** is a broad measure of the municipal bond market with maturities of at least one year. Source: Bloomberg Indices.

The **Bloomberg Municipal Managed Money Short Intermediate Index** measures the performance of the publicly traded municipal bonds that cover the USD-denominated short/intermediate term tax-exempt bond market, including state and local general obligation bonds, revenue bonds, insured bonds, and pre-refunded bonds. Source: Bloomberg Indices.

The **Bloomberg U.S. Aggregate Index** is comprised of investment-grade, U.S. dollar-denominated government, corporate, and mortgage- and asset-backed issues having at least one year to maturity. Source: Bloomberg Indices.

The **Bloomberg U.S. Government 1-5 Year Index** measures the performance of US dollar denominated, fixed-rate, nominal U.S. Treasuries and U.S. agency debentures with maturities greater or equal than 1 year but less than 5 years. Source: Bloomberg Indices.

The **Bloomberg U.S. Government/Credit Bond Index** is an index that tracks the performance of U.S. government and corporate bonds rated investment grade or better, with maturities of at least one year. Source: Bloomberg Indices.

The **Bloomberg U.S. High Yield Very Liquid Index (VLI)** is a component of the US Corporate High Yield Index designed to track a more liquid component of the U.S. dollar-denominated, high-yield, fixed-rate corporate bond market. Source: Bloomberg Indices.

The **Bloomberg U.S. Intermediate Corporate Index** measures the performance of investment grade, fixed-rate, US dollar-denominated taxable corporate securities with maturities of 1-10 years. Source: Bloomberg Indices.

The **Bloomberg U.S. Intermediate Treasury Index** measures the performance of the U.S. Treasury debentures with maturities of 1-10 years. Source: Bloomberg Indices.

The **ICE BofA 1-3 Year Treasury Index** is a market-capitalization-weighted index including all U.S. Treasury notes and bonds with maturities greater than or equal to one year and less than three years. Source: The index data referenced herein is the property of Intercontinental Exchange ("ICE") and/or its licensors and has been licensed for use by Franklin Templeton. ICE and its licensors accept no liability in connection with this use.

Investors cannot invest directly in an index and unmanaged index returns do not reflect any fees, expenses or sales charges.

# Definitions



## Market terms

**Asset-Backed Security (ABS)** - A financial security backed by a loan, lease or receivables against assets other than real estate and mortgage-backed securities. For investors, asset-backed securities are an alternative to investing in corporate debt.

**Commercial Mortgage-Backed Securities (CMBS)** - are a type of mortgage-backed security that is secured by the loan on a commercial property. A CMBS can provide liquidity to real estate investors and to commercial lenders.

**Collateralized Mortgage Obligations (CMO)** - are securities backed by a pool of pass-through securities, which consists of several classes of bondholders with varying maturities. The principal payments from the underlying pool of pass-through securities are used to retire the bonds on a priority basis as specified in the prospectus.

**Mortgage-Backed Securities (MBS)** - A type of asset-backed security that is secured by a mortgage, or a collection of mortgages. These securities must also be grouped in one of the top two ratings as determined by an accredited credit rating agency, and usually pay periodic payments that are similar to coupon payments. Furthermore, the mortgage must have originated from a regulated and authorized financial institution.

**Mortgage Pool** - Group of related financial instruments, such as mortgages, combined for resale to investors on a secondary market.

**Mortgage Dollar Roll** - A special type of repurchase agreement in which the security, transferred to the investor as collateral, is a mortgage-backed security. The investor who sells the security gives up the cash flows during the roll period but has use of the proceeds.

**Treasury Inflation Protected Securities (TIPS)** - A special type of Treasury note or bond that offers protection from inflation. Like other Treasuries, an inflation-indexed security pays interest every six months and pays the principal when the security matures. The difference is that the coupon payments and underlying principal are automatically increased to compensate for inflation as measured by the consumer price index (CPI). Also referred to as "Treasury inflation-indexed securities."

# Definitions



## Term Definitions

**Maturity** is the date at which a debt instrument is due and payable. A bond due to mature on January 1, 2025, will return the bondholder's principal and final interest payment when it reaches maturity on that date. Bond yields are frequently calculated on a yield-to-maturity basis.

**Duration (Modified Duration)** is the measure of the price sensitivity of a fixed income security to an interest rate change of 100 basis points. Calculation is based on the weighted average of the present values for all cash flows.

**Yield to Worst (YTW)** is based on a portfolio's current holdings on one specific day, is gross of all portfolio expenses, and is calculated based on assumptions that prepayment occurs if the bond has called or put provisions, and the issuer can offer a lower coupon rate based on current market rates. If market rates are higher than the current yield of a bond, the YTW calculation will assume no prepayments are made, and YTW will equal the yield to maturity. The YTW will be the lowest of yield to maturity or yield to call (if the bond has prepayment provisions). The YTW of a bond portfolio is the market-weighted average of the YTWS of all the bonds in the portfolio. **Yield to Worst is calculated without the deduction of fees and expenses.**

**Insured** municipal bonds are ones where scheduled interest and principal payments are guaranteed by AAA-rated municipal bond insurers.

**General Obligation** municipal bonds are backed by the credit and taxing power of the issuing jurisdiction rather than the revenue of a given project.

**Revenue** bonds are municipal bonds supported by the revenue from a specific project.

**Pre-refunded** bonds are municipal bonds that are generally backed or secured by U.S. Treasury bonds.

**Effective Duration** is a duration calculation for bonds with embedded options. Effective duration takes into account that expected cash flows will fluctuate as interest rates change.

**Average Maturity** is the average length of maturity for all fixed-rate debt instruments held in a portfolio.

**Average Coupon** based on the portfolio's underlying holdings, which may differ and are subject to change. Coupon rate is the annual coupon payments paid by the issuer relative to a bond's face or par value. **Average Coupon is calculated without the deduction of fees and expenses.**

**Yield to Maturity** - The rate of return anticipated on a bond if it is held until the maturity date. The calculation of YTM takes into account the current market price, par value, coupon interest rate and time to maturity. **Yield to Maturity is calculated without the deduction of fees and expenses.**

**Weighted Average Life** - An estimate of the number of years to maturity, taking the possibility of early payments into account, for the underlying holdings.

The **Sharpe Ratio** is a risk-adjusted measure that is calculated using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe Ratio, the better the portfolio's historical adjusted performance.

**Alpha** is a measure of the difference between actual returns and expected performance, given the level of risk as measured by **Beta**, where Beta measures sensitivity to benchmark movements.

**R-Squared** measures the strength of the linear relationship between the portfolio and its benchmark. R-squared at 1.0 implies perfect linear relationship and zero implies no relationship exists.

**Standard Deviation** is a measure of the variability of returns; the higher the standard deviation, the greater the range of performance (i.e., volatility).

The **Capture Ratios** measure a manager's composite performance relative to the benchmark, considering only those months that are either positive (Up) or negative (Down) for the benchmark.

An **Up-Market Capture Ratio** greater than 1.0 indicates a manager who has outperformed the benchmark in the benchmark's positive months.

A **Down-Market Capture Ratio** of less than 1.0 indicates a manager who has outperformed the relative benchmark in the benchmark's negative months.



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