

Muni Tax Time Is Far from an April Thing

KEY TAKEAWAYS

- Munis take a breather vs Treasuries
- Tax is a focus every month of the year
- What drives taxable muni issuance

Relative Performance

Rates moved modestly lower in Municipals last week, while Treasuries rallied more aggressively across the curve. AAA BVAL yields declined just 0.5 bps in 2s and 30s, 1 bp in 5s, and roughly 1.5 bps in 10s. Treasuries, by contrast, saw a much stronger move, with yields falling 8–10 bps in the front and intermediate portions of the curve and roughly 3 bps in 30s.

As a result, Municipals underperformed on a relative basis, reversing a portion of the prior week's richening. Muni-to-Treasury ratios richened across the curve, with the 2-year ratio declining 0.3 points to 60.43%, while the 5-year ratio fell to 62.13%. The 10-year ratio moved lower by nearly a full point to 67.16%, and the 30-year ratio declined more than a point to 87.93%.

This was another Treasury-led move. Municipals participated in the rally, but not to the same degree, particularly in intermediate maturities. That dynamic continues to define the current environment—macro-driven rate moves are creating short-term relative volatility, while underlying muni technicals remain stable.

The relative underperformance in Municipals creates some time sensitivity. When Treasuries move this sharply, munis don't typically stay behind for long.

Market Technicals

Taxes are always on our mind. Not just in April, not just at year-end—but consistently as part of how we think about portfolio construction and client outcomes. At the core, the focus is simple: maximize after-tax returns and maintain tax efficiency.

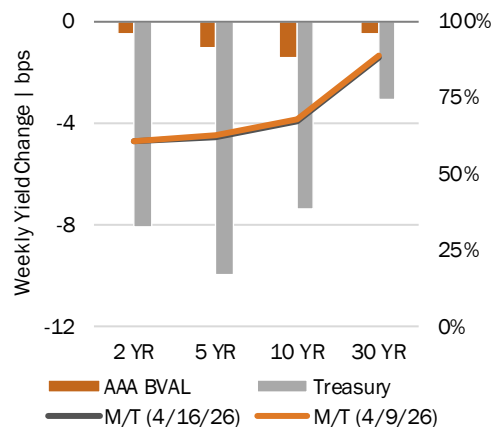
That's particularly relevant in an environment like this, where the recent backup in rates has quietly created another compelling entry point—especially for investors in high-tax jurisdictions.

FIGURE 1: INDEX PERFORMANCE

	MTD	YTD	2025
Muni Bond 5-Year	0.64%	0.65%	5.03%
Muni Bond 10-Year	1.18%	0.38%	5.92%
Muni Bond 15-Year	1.60%	1.18%	5.31%
Muni Long Bond	1.83%	1.60%	1.95%
Muni Managed Money	1.40%	0.91%	3.94%

Data as of April 17, 2026.
Source: Bloomberg

FIGURE 2: MUNIS UNDERPERFORM



Data as of April 16, 2026. Spot Muni, Spot AAA rates
AAA B VAL: AAA Municipal yield curve
M/T: Municipal/Treasury Yield Ratio - Bloomberg
Municipal Bond Index yield / Bloomberg US Treasury Index yield.
Source: Bloomberg



Take the recent New York City GO deal that priced in late March. For a highest-bracket Manhattan resident—facing a combined tax rate north of 55% when you layer in federal, state, and local taxes—the math becomes pretty powerful. At the long end of that new issue, investors were able to access tax-equivalent yields north of 10.7%.

And it’s not just New York. A Los Angeles Department of Water and Power bond due 2046 came at a yield of roughly 4.48%. For a highest-bracket California investor—combining 40.8% federal and 13.3% state taxes—that translates to a tax-equivalent yield of approximately 9.7%.¹

That’s not a theoretical exercise—that’s real income, available in the market, backed by high-quality municipal credit.

And it reinforces a broader point. When rates back up and volatility picks up, the conversation often defaults to price movement and near-term performance. But for high-income investors, the more important question is what that volatility creates from an after-tax income perspective.

Right now, the answer is opportunity.

At the same time, tax efficiency goes beyond just income—it’s also embedded in how portfolios are managed. True active management is a constant search for opportunity sets, and performance often sits at the intersection of economics and accounting.

It’s easy to focus on booking gains when trades move in your favor—that’s the visible part of performance. But what often gets underappreciated is how those gains are managed. In a rallying rate environment, portfolios can be combed for seasoned positions where spreads have tightened meaningfully from the original purchase level. Realizing those gains—paired against losses elsewhere—can help manage the tax impact of price appreciation.

Conversely, in a rising rate environment, opportunities to harvest losses become more obvious and forward-looking. But the key point is that this isn’t a calendar-driven exercise—it’s a portfolio management discipline. The goal isn’t to react at year-end, but to continuously evaluate where tax efficiency can be improved without compromising the underlying investment thesis.

FIGURE 3: NEW YORK CITY GO PRICING

Summary		Maturity	Amount (M)	Coupon	P/Y	Spread	CUSIP	FIGI
SALE DATE	03/23/26	2/1/2030	17315.0	5.000	2.920	43	64966STD8	BBG0215C1C50
AMOUNT	900,000,000.00	2/1/2031	21220.0	5.000	3.030	46	64966STE6	BBG0215C1C69
MANAGER	Bank of America Merrill	2/1/2032	22270.0	5.000	3.140	48	64966STF3	BBG0215C1C78
BOND TYPE	GO ULT	2/1/2033	23395.0	5.000	3.260	49	64966STG1	BBG0215C1C87
DATED DATE	04/09/26	2/1/2034	24550.0	5.000	3.370	52	64966STH9	BBG0215C1C96
1 ST COUPON	08/01/26	2/1/2035	25775.0	5.000	3.470	53	64966STJ5	BBG0215C1CB3
DEAL NUMBER	1120315	2/1/2036	27075.0	5.000	3.530	47	64966STK2	BBG0215C1CC2
RATING/ENHANCEMENT		2/1/2037	28420.0	5.000	3.660	49	64966STL0	BBG0215C1CD1
MOODY'S	Aa2	2/1/2038	29850.0	5.000	3.790	51	64966STM8	BBG0215C1CF9
S&P	AA	2/1/2039	31330.0	5.000	3.880	52	64966STN6	BBG0215C1CG8
FITCH	AA (AA)	2/1/2040	32890.0	5.000	3.970	51	64966STP1	BBG0215C1CH7
KBRA	AA+	2/1/2041	34525.0	5.000	4.020	49	64966STQ9	BBG0215C1CJ5
ENHANCEMENT		2/1/2042	36255.0	5.000	4.130	50	64966STR7	BBG0215C1CK3
SCHEDULES		2/1/2043	38060.0	5.000	4.240	49	64966STS5	BBG0215C1CL2
PREM CALL		2/1/2044	39975.0	5.000	4.350	47	64966STT3	BBG0215C1CM1
PAR CALL	08/01/36	2/1/2045	41955.0	5.000	4.450	44	64966STU0	BBG0215C1CNO
MANDATORY TENDER		2/1/2046	44080.0	5.250	4.500	37	64966STV8	BBG0215C1CP8
OTHER INFO		2/1/2047	46395.0	5.250	4.650	44	64966STW6	BBG0215C1CQ7
1 ST SETTLE	04/09/26	2/1/2048	48825.0	5.250	4.710	44	64966STX4	BBG0215C1CR6
FORM/DEP	Book-Entry, DTC	2/1/2049	51395.0	5.250	4.730	41	64966STY2	BBG0215C1CS5
PRICE STATUS	Final	2/1/2050	54075.0	5.250	4.740	38	64966STZ9	BBG0215C1CT4
VERBAL AWARD	03/25/26	2/1/2053	148190.0	5.250	4.830	42	64966SUA2	BBG0215C1CX9

Data as of April 16, 2026.
Source: Bloomberg

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Booking losses isn't just defensive—it has a real economic impact. Those losses can be used to offset gains elsewhere in a portfolio, improving after-tax outcomes in a way that doesn't always show up in headline returns. Over time, that discipline can materially enhance net performance for investors, particularly in taxable accounts.

In other words, it's not just about what you make—it's about what you keep.

The combination of higher absolute yields, tax-exempt income, and thoughtful tax management is producing a return profile that is difficult to replicate in taxable markets without taking on significantly more risk. And in high-tax enclaves like New York and California, that advantage becomes even more pronounced.

Bottom line: volatility has reset the market, but it has also reset the opportunity set. For investors focused on after-tax outcomes, we believe Municipals continue to deliver where it matters most.

Questions from the Field

Q Why do some issuers prefer to issue bonds in the taxable municipal market?

A Municipal issuers tap the taxable muni market for a handful of structural, regulatory, and investor-demand reasons. It's not just about rates—it's often about flexibility and access to a broader buyer base.

Here are the main drivers:

1. PROJECTS THAT DON'T QUALIFY FOR TAX-EXEMPT STATUS

The IRS restricts tax-exempt financing for projects with significant private-use or private benefit. If a project crosses those thresholds, issuers have to go taxable.

Typical examples:

- Public-private partnerships (P3s)
- Stadiums, convention centers
- Certain housing or infrastructure with private operators

2. ADVANCE REFUNDINGS (HISTORICALLY A BIG DRIVER)

Since the 2017 Tax Cuts and Jobs Act, tax-exempt advance refundings were eliminated. If an issuer wants to refinance debt before the call date, they must do it with taxable bonds. This has been one of the largest sources of taxable muni issuance in recent years

3. ACCESS TO A BROADER INVESTOR BASE

Taxable munis appeal to:

- Pension funds
- Foreign investors
- Insurance companies
- Corporate bond buyers

These investors don't benefit from tax exemption, so taxable munis allow issuers to:

- Diversify demand
- Potentially achieve better execution on large deals

Questions from the Field (Cont'd)

4. RELATIVE VALUE VS. TAX-EXEMPT MARKET

Sometimes taxable financing is simply cheaper on an all-in basis, especially when:

- The tax-exempt market is technically weak
- Treasury yields are low relative to muni yields
- Credit spreads are favorable in the taxable space

Issuers will opportunistically choose whichever market offers the lowest borrowing cost after adjusting for taxes and structure.

5. GREATER STRUCTURING FLEXIBILITY

Taxable bonds come with fewer constraints:

- No IRS limits on use of proceeds
- More flexibility on maturities, call features, and structures
- Easier to combine multiple project types

This matters for complex capital programs.

6. LARGE-SCALE FINANCING NEEDS

For very large deals, the taxable market can:

- Absorb size more easily
- Provide deeper liquidity

This was especially evident during the Build America Bonds (BABs) era and still shows up today for mega-issuers.

7. MATCHING LIABILITIES OR INVESTOR PREFERENCES

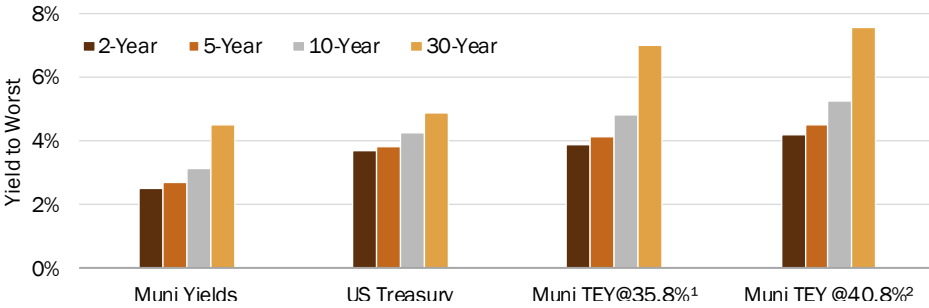
Some issuers (or their investor base) prefer taxable structures to:

- Align with pension or global portfolios
- Avoid reliance on U.S. tax policy
- Appeal to ESG-focused or international buyers

Issuers don't default to taxable—but they choose it when tax-exempt constraints, refinancing rules, or market conditions make it more efficient or necessary. In many cases, it's less about preference and more about regulatory limits + opportunistic pricing + investor reach.



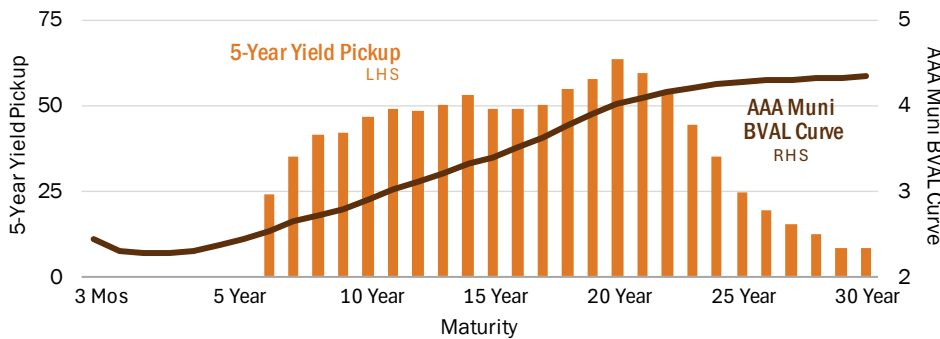
TAX-ADJUSTED YIELDS OF MUNICIPAL BOND INDEX VS US TREASURY INDEX



On a tax-adjusted basis munis handily lead across tenors

1. Tax Equivalent Yield is using 32% federal tax rate, including 3.8% Net Investment Income Tax.
 2. Tax Equivalent Yield is using 37% federal tax rate, including 3.8% Net Investment Income Tax.
 Data as of April 17, 2026.
 Source: Bloomberg

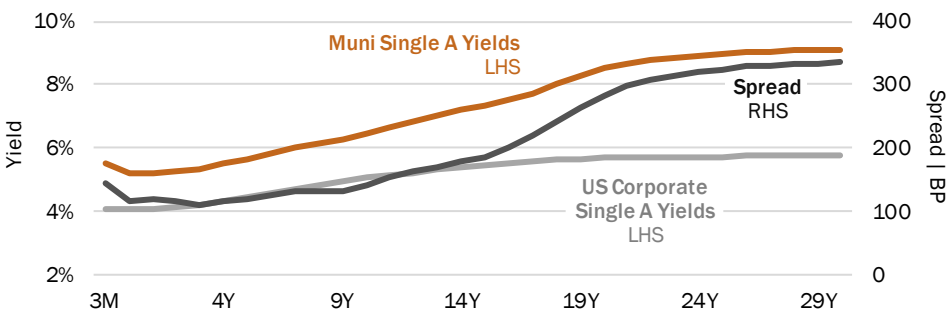
YIELD CURVE STEEPNESS



Our relative value lens focus on the area of the curve where steepness benefits returns

Data as of April 17, 2026.
 Source: Bloomberg

MUNI EXCEEDS CORPORATE SPREADS



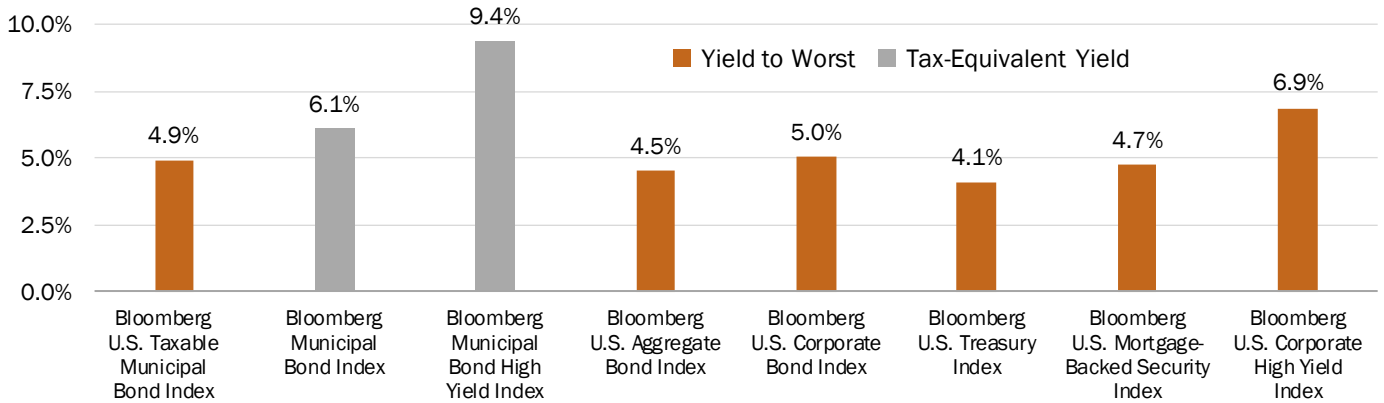
Tax equivalent munis continue to exceed corporate spread/yields

Data as of April 17, 2026.
 Muni Single A Yields: Bloomberg Municipal Bond Index; US Corporate Single A Yields: Bloomberg Corporate Bond Index
 Source: Bloomberg

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INDEX YIELDS

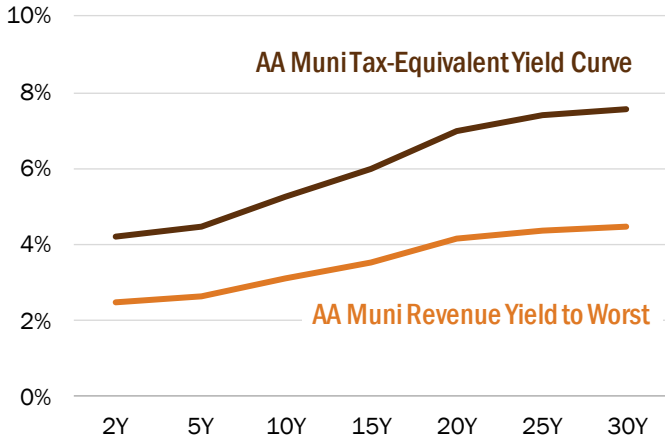


Data as of April 17, 2026

1. Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax.

Source: Bloomberg

AA MUNI TAX-EQUIVALENT YIELD CURVE

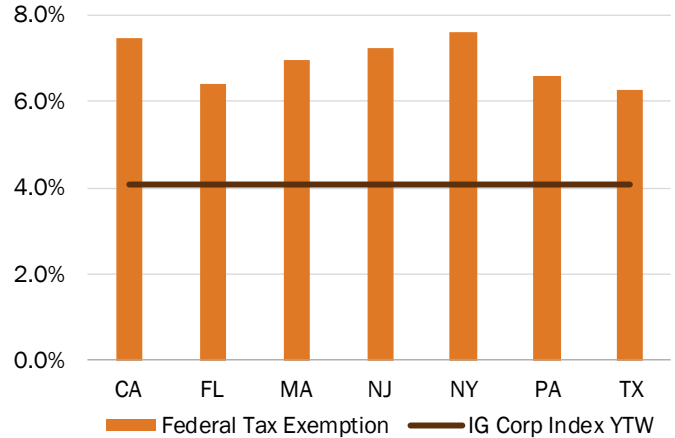


Data as of April 17, 2026

1. Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax.

Source: Bloomberg

IN-STATE MUNI TAX-EQUIVALENT YTW



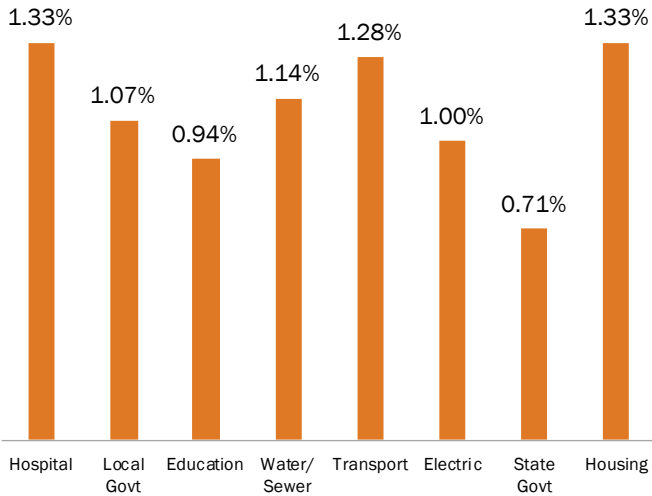
Data as of April 17, 2026

1. Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax.

Source: Bloomberg

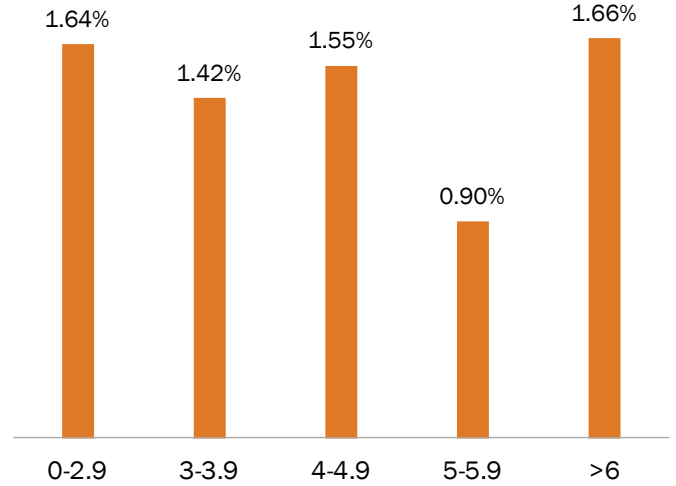


YTD TOTAL RETURNS BY SECTOR



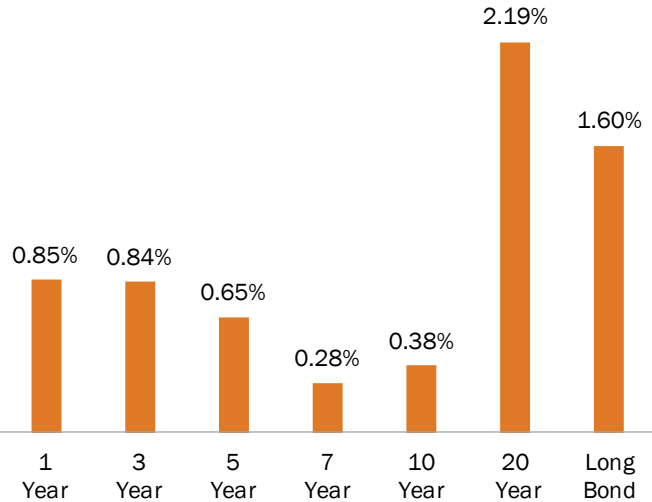
Data as of April 17, 2026
Source: Bloomberg

YTD TOTAL RETURNS BY COUPON



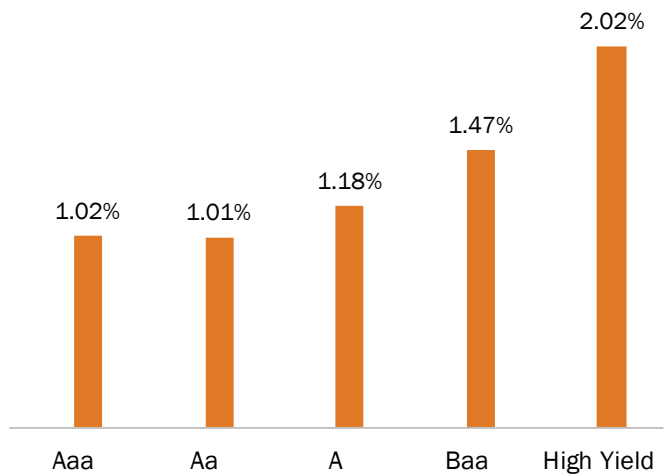
Data as of April 17, 2026
Source: Bloomberg

YTD TOTAL RETURNS BY MATURITY



Data as of April 17, 2026
Source: Bloomberg

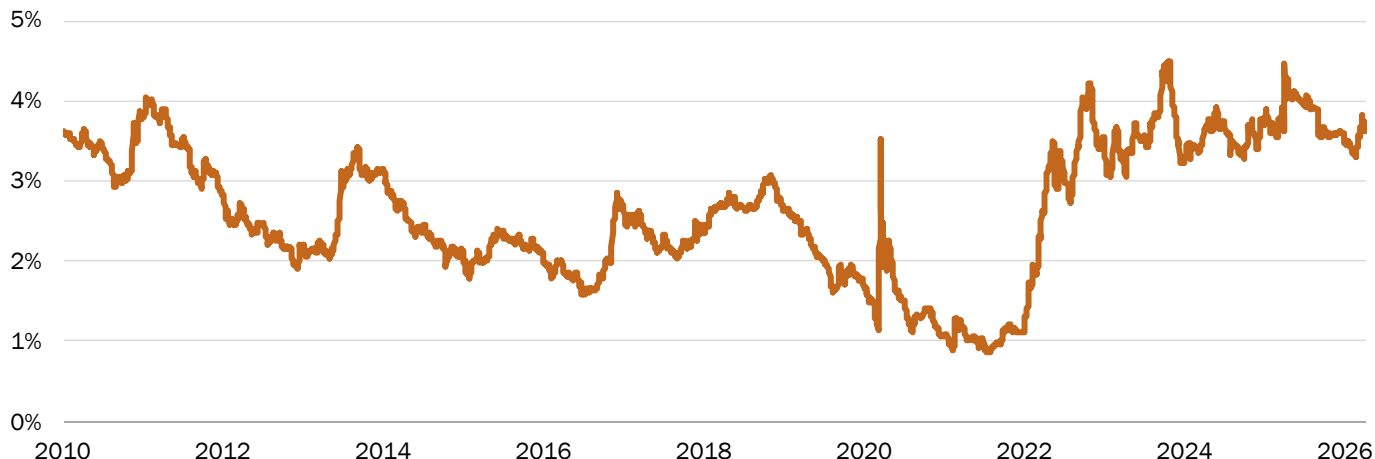
YTD TOTAL RETURNS BY RATING CATEGORY



Data as of April 17, 2026
Source: Bloomberg



BLOOMBERG MUNICIPAL YIELD-TO-WORST



Data as of April 16, 2026

“Post GFC Average” measures the period from 1/1/2010 – 4/16/2026

Source: Bloomberg

MUNI YIELDS

Tenor	4/16/2026	4/9/2026	Change (+/-)
BLOOMBERG AAA MUNI KEY RATE YIELDS			
2 YEAR	2.28%	2.29%	-0.01%
5 YEAR	2.43%	2.45%	-0.01%
10 YEAR	2.90%	2.91%	-0.02%
30 YEAR	4.34%	4.35%	0.00%
US TREASURY RATE YIELDS			
2 YEAR	3.78%	3.78%	0.00%
5 YEAR	3.91%	3.91%	0.00%
10 YEAR	4.32%	4.29%	0.03%
30 YEAR	4.93%	4.90%	0.03%
US TREASURY & AAA MUNI CURVE SLOPES¹			
	2s10s	10s30s	2s30s
US TREASURY CURVE SLOPE	+ 54 bps	+ 61 bps	+ 115 bps
AAA MUNI CURVE SLOPE	+ 61 bps	+ 145 bps	+ 206 bps

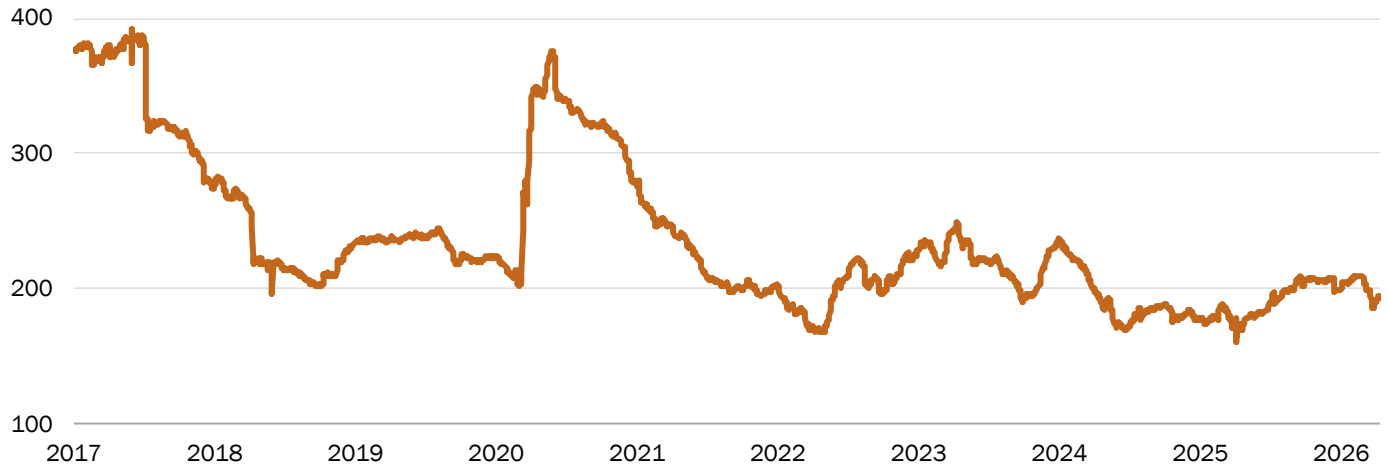
Data as of April 16, 2026

1. 2s10s – is spread between 10yr and 2yr yield; 10s30s – refers to spread between 30yr and 10yr yield; 2s30s – refers to spread between 30yr and 2yr yield

Source: Bloomberg

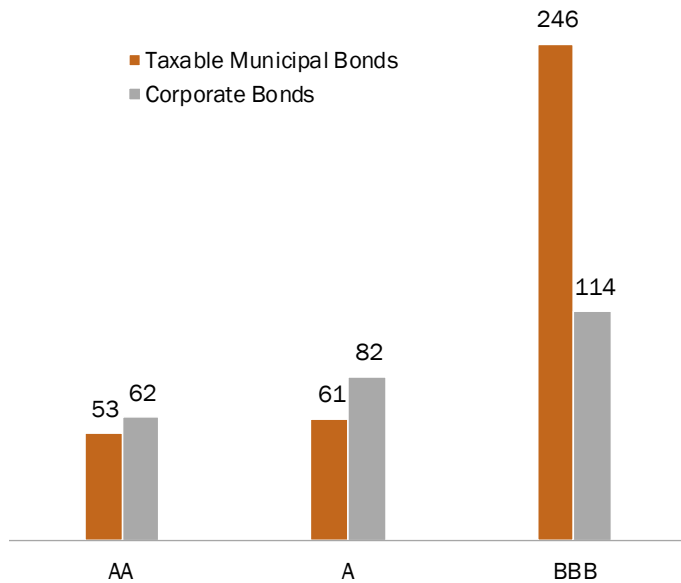


BLOOMBERG MUNICIPAL HIGH YIELD | AAA YIELD DIFFERENTIAL



Data as of April 16, 2026
Source: Bloomberg

TAXABLE MUNICIPAL AND CORPORATE CREDIT SPREADS



Data as of April 16, 2026
Source: Bloomberg



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DEFINITION OF TERMS

Option-Adjusted Spread

The option-adjusted spread (OAS) measures the spread between a bond's rate and the risk-free rate, while adjusting for any embedded options like callables or mortgage-backed securities.

Standard Deviation

Standard deviation is a statistical measurement that looks at how far discrete points in a dataset are dispersed from the mean of that set. It is calculated as the square root of the variance.

Tax Equivalent Yield

The tax-equivalent yield is the return a taxable bond needs to equal the yield on a comparable tax-exempt municipal bond. Investors use this calculation to compare the returns between a tax-free investment and a taxable alternative.

Tax Equivalent Yield to Worst

Tax Equivalent YTW is calculated by dividing the tax-exempt yield by one minus the marginal income tax. This is used to compare YTW on a tax-exempt investment to a taxable investment.

Volatility

Volatility is a measurement of how varied the returns of a given security or market index are over time. It is often measured from either the standard deviation or variance between those returns. In most cases, the higher the volatility, the riskier the security.

Yield to Worst

Yield to worst is a measure of the lowest possible yield that can be received on a bond that fully operates within the terms of its contract. It is a type of yield that is referenced when a bond has provisions that would allow the issuer to close it out before it matures. YTW helps investors manage risks and ensure that specific income requirements will still be met even in the worst scenarios.

Additional Yield Definition

BVAL AA, A, BBB and BB Yields is calculated by Bloomberg and is representative of the average 2YR spot rate on respective Bloomberg Yield curves of corporate credits with the respective average credit rating that are valued by Bloomberg's valuation service.

INDEX DESCRIPTIONS

Bloomberg U.S. Taxable Municipal Bond Index

The Bloomberg U.S. Taxable Municipal Bond Index is a rules-based, market-value-weighted index engineered for the long-term taxable bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies if all three rate the bond: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment grade. They must have an outstanding par value of at least \$7 million and be issued as part of a transaction of at least \$75 million. The bonds must be fixed rate and must be at least one year from their maturity date. Remarketed issues (unless converted to fixed rate), bonds with floating rates, and derivatives, are excluded from the benchmark.

Bloomberg Municipal AMT index

The Bloomberg Municipal AMT index refers to a specific Bloomberg municipal bond index that includes bonds subject to the Alternative Minimum Tax (AMT). Unlike most municipal bond indices, which exclude AMT-subject securities, these indices contain bonds that typically offer higher yields to individuals who are subject to the AMT.

Muni IG AMT ex Territories Index

The Muni IG ex. AMT and ex Territories Index is the Bloomberg Municipal Bond Index excluding AMT and US. Territory exposure.

Bloomberg Municipal Bond Index

A rules-based, market-value-weighted index engineered for the long-term tax-exempt bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following agencies: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least \$7 million and be issued as part of a transaction of at least \$75 million. The bonds must be fixed rate, have a date-date after December 31, 1990, and must be at least one year from their maturity date. Remarketed issues, taxable municipal bonds, bonds with floating rates, and derivatives, are excluded from the benchmark. The index has four main sectors: general obligation bonds, revenue bonds, insured bonds (including all insured bonds with a Aaa/AAA rating), and pre-refunded bonds. Most of the index has historical data to January 1980. In addition, sub-indices have been created based on maturity, state, sector, quality, and revenue source, with inception dates later than January 1980.

Bloomberg 5-Year Muni Index

The Bloomberg 5 Year Municipal Bond Index is a capitalization weighted bond index created by Bloomberg intended to be representative of major municipal bonds of all quality ratings with an average maturity of approximately five years.

INDEX DESCRIPTIONS (CONT'D)

Bloomberg Municipal 1-10 Year Blend 1-12 Year Index

The Bloomberg Municipal 1-10 Year Blend 1-12 Year Index measures the performance of short and intermediate components of the Municipal Bond Index – an unmanaged, market value-weighted index which covers the U.S. investment grade, tax-exempt bond market.

Bloomberg Municipal Long Bond 22+ Index

The Bloomberg Municipal Long Bond 22+ Index (often referred to as the Bloomberg Long-Term Municipal Bond Index) tracks the performance of long-term, tax-exempt U.S. municipal bonds with maturities of 22 years or longer. This index serves as a benchmark for high-quality municipal debt and covers various sectors, including general obligation, revenue, insured, and pre-refunded bonds.

Bloomberg Municipal Bond High Yield Index

The Bloomberg Municipal Bond: High Yield Index is a flagship measure of the US municipal tax-exempt non-investment grade bond market. Included in the index are securities from all 50 US States and four other qualifying regions (Washington DC, Puerto Rico, Guam, and the Virgin Islands). The index includes state and local general obligation bonds and revenue bonds.

Bloomberg U.S. Aggregate Bond Index

The Bloomberg U.S. Aggregate Bond Index measures the performance of investment grade, U.S. dollar-denominated, fixed rate taxable bond market, including Treasuries, government-related and corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS, and CMBS. It rolls up into other flagship indices, such as the multi-currency Global Aggregate Index and the U.S. Universal Index, which includes high yield and emerging markets debt.

Bloomberg U.S. Corporate Bond Index

The Bloomberg US Corporate Index measures the investment grade, fixed-rate, taxable corporate bond market. It includes USD-denominated securities publicly issued by US and non-US industrial, utility, and financial issuers. The index is a component of the US Credit and US Aggregate Indices, and provided the necessary inclusion rules are met, US Corporate Index securities also contribute to the multi-currency Global Aggregate Index. The index includes securities with remaining maturity of at least one year.

Bloomberg U.S. Treasury Index

The Bloomberg U.S. Treasury Index measures the performance of public obligations of the U.S. Treasury, including securities that roll up to the U.S. Aggregate, U.S. Universal, and Global Aggregate Indices.

Bloomberg U.S. Mortgage-Backed Security Index

The US MBS Index is formed by grouping the universe of individual TBA-deliverable MBS pools into pool cohorts and then applying the index inclusion rules at the cohort level. Each cohort is a representation of its mapped individual pools and contributes their total amount outstanding to the US MBS Index.

Bloomberg U.S. Corporate Bond Index

The Bloomberg US Corporate Bond Index measures the investment grade, fixed-rate, taxable corporate bond market. It includes USD denominated securities publicly issued by US and non-US industrial, utility and financial issuers.

Bloomberg U.S. Corporate High Yield Index

The Bloomberg US Corporate High Yield Bond Index measures the USD-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below.

Bloomberg Global Aggregate Bond Index

The Bloomberg Global Aggregate Index is a flagship measure of global investment grade debt from twenty-seven local currency markets. This multi-currency benchmark includes treasury, government-related, corporate and securitized fixed-rate bonds from both developed and emerging markets issuers.

Bloomberg Securitized Bond Index

The Bloomberg U.S. Securitized: MBS, ABS, and CMBS Index tracks all USD-denominated, investment grade, securitized issues within the "Parent Index". MBS must have a weighted average maturity of at least one year. CMBS and ABS must have a remaining average life of at least one year.

Bloomberg US Municipal Bond Index Total Return Index Value Unhedged

The Bloomberg U.S. Municipal Index covers the USD-denominated long-term tax-exempt bond market. The index has four main sectors: state and local general obligation bonds, revenue bonds, insured bonds and pre-refunded bonds

Bloomberg US Aggregate Total Return Value Unhedged

The Bloomberg US Aggregate Total Return Value Unhedged Index (LBUSTRUU:IND) is a benchmark that measures the performance of the U.S. investment-grade, fixed-rate, taxable bond market, excluding any currency hedging. It tracks a broad universe of U.S. dollar-denominated securities, including U.S. Treasuries, government-related debt, corporate bonds, mortgage-backed securities (MBS), and asset-backed securities (ABS).

Bloomberg US Taxable Municipal Bond Index

The Bloomberg US Taxable Municipal Bond Index is a rules-based, market-value-weighted index engineered for the long-term taxable bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies if all three rate the bond: Moody's, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least \$7 million and be issued as part of a transaction of at least \$75 million. The bonds must be fixed rate and must be at least one year from their maturity date. Remarketed issues (unless converted to fixed rate), bonds with floating rates, and derivatives, are excluded from the benchmark.

Bloomberg US Treasury Total Return Unhedged

The Bloomberg US Treasury Index measures US dollar-denominated, fixed-rate, nominal debt issued by the US Treasury.