

# Bloomberg US High Yield Very Liquid: Mirror Future and Duration Hedged Indices

This document is intended to be read in conjunction with the [Mirror Futures and Duration Hedged Indices Methodology](#), [Global Fixed Income Methodology](#) and the [Bloomberg US High Yield Very Liquid Index \(VLI\)](#), these documents collectively constitute the index methodology for this Index.

The Bloomberg US High Yield Very Liquid Mirror Futures Index (MFI) is a funded benchmark constructed to match the duration risk of the Bloomberg US High Yield Very Liquid Index (VLI) using a basket of US Treasury Futures. The Bloomberg US High Yield Very Liquid Duration Hedged Index (DHI) is a funded benchmark constructed as the difference between the Total Return of the US High Yield Very Liquid Index (VLI) and the Total Return of the MFI. The MFI and DHI Indices follow the Bloomberg Indices' monthly rebalancing conventions. The indices were launched in December 2024, with history backfilled to January 1, 2020.

**Description of Index Constituents** The MFI consists of US Treasury Futures and the funding component. The DHI consists of the base US High Yield Very Liquid Index (VLI), the MFI and the funding component.

## Index Ticker

139130US: Bloomberg US High Yield Very Liquid Mirror Future Total Return Index Value Unhedged

139131US: Bloomberg US High Yield Very Liquid Duration Hedged Total Return Index Value Unhedged

## Eligibility Requirements

**Currency** USD

**Minimum Liquidity Requirements** None

**US Treasury Futures Basket** The MFI consists of the 2-Year US Treasury Futures, 5-Year US Treasury Futures, 10-year US Treasury Futures, 30-Year US Treasury Futures and Ultra Long US Treasury Futures, weighted to closely match the beginning of the month Option Adjusted Duration (OAD) profile of the US High Yield Very Liquid Index (VLI). Future Contracts are rolled to the next quarterly expiration month on the 4th business day prior to the month-end of February, May, August, and November.

**Funding Component** A Cash Investment in the US T-Bills maturing in one month's time to make the MFI and DHI a funded strategy, and comparable with the returns of a traditional cash index.

**Pricing Methodology** The basket of futures returns is calculated by the weighted price return of the duration matched futures contracts. The returns of the US T-Bill Index are then added to make the MFI a funded index:  

$$\text{Bloomberg US HY VLI MFI Return} = \text{Futures Basket Price Return} + \text{US T-Bill Index Total Return}$$
The US High Yield Very Liquid DHI Total Return is defined as it's funded excess return:  

$$\text{US HY VLI DHI Return} = \{\text{US HY VLI Total Return} - \text{US HY VLI MFI Total Return}\} + \text{US T-Bill Index Total Return}$$

## Construction and Rebalancing Rules

<b>Frequency</b>	For each index, Bloomberg maintains two universes: the Returns (Backward) and the Projected (Forward) Universes. The composition of the Returns Universe is rebalanced at each month-end and represents the fixed weights of index/instrument on which index returns are calculated for the next month. The Projected Universe is a forward-looking projection where the weights in the Futures basket change daily to reflect the characteristics of the target cash index, but are not used for return calculations. On the last business day of the month (the rebalancing date), the weights of the latest Projected Universe becomes the Returns Universe for the following month.
<b>Index OAD Bucketing and Futures Selection</b>	The US High Yield Very Liquid Index (VLI) is sorted into five non overlapping OAD buckets, and each treasury future is assigned to one OAD bucket. Breakpoints are selected so that the OAD of each bucket is close to that of its matching futures contract.
<b>MFI Weight Calculation</b>	For each eligible futures contract, the OAD is calculated using Bloomberg analytics. The market value of each futures contract needed in the MFI is calculated to match the OAD contribution of the futures position with that of the US High Yield Very Liquid Index (VLI) OAD bucket as displayed in the table below.

Bloomberg US High Yield Very Liquid MFI Futures Weights Calculation as of January 31, 2025:

Duration Bucket	Index OAD	MV (\$)	MV %	OAD Contribution	Futures Contract	Futures OAD	Futures Weight
A	B	A x B	C	(A x B) / C			
US HY VLI	3.13	954,405,247.05	100.00%				
OAD 0-3y	2.08	431,506,459.00	45.21%	0.94	TUH5	1.82	51.47%
OAD 3-5y	3.81	470,576,181.00	49.31%	1.88	FVH5	3.90	48.13%
OAD 5-7.5y	5.64	51,277,000.00	5.37%	0.30	TYH5	5.90	5.13%
OAD 7.5-15y	8.02	1,045,607.00	0.11%	0.01	USH5	11.08	0.08%
OAD 15y+	0.00	-	0.00%	0.00	WNH5	15.92	0.00%

## Pricing and Related Issues

<b>Sources &amp; Frequency</b>	All Treasury future contracts are priced on a daily basis based on the CME settlement prices.
<b>Pricing Quotes</b>	Settlement Prices
<b>Timing</b>	<ul style="list-style-type: none"> <li>US Treasury Futures: 3:00 p.m. (New York time)</li> <li>If the last business day of the month is a public holiday, prices from the previous business day are used.</li> </ul>
<b>Market Side</b>	Futures in the MFI are priced at the settlement price.
<b>Verification</b>	Daily price moves for each security are analyzed by the index pricing team to identify outliers. Index users may also challenge price levels, which are then reviewed and updated as needed.
<b>Calendar</b>	The MFI and DHI follows the US bond market holiday schedule.

## Environmental, Social and Governance (ESG) Disclosures

The Index does not take into account any ESG factors or pursue any ESG objectives, please refer to the [Global Fixed Income Methodology](#) ESG disclosures.

**Document Version History**

<b>Date</b>	<b>Update</b>
February 2025	Publication in new format
May 2026	Update to Treasury Futures Basket Roll

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