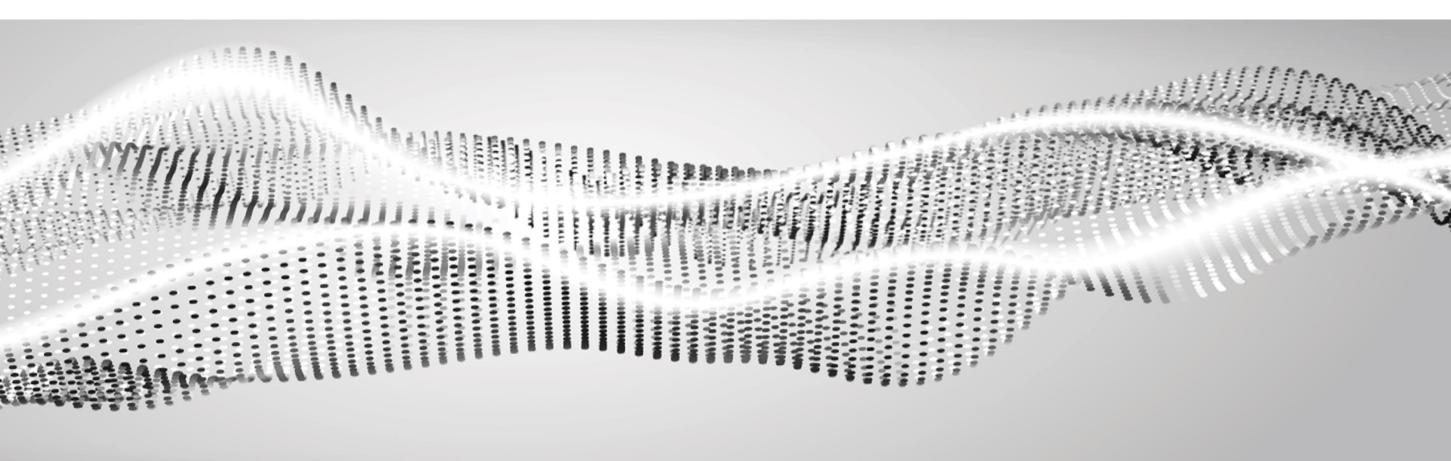


# A Systematic Perspective on Credit Investing

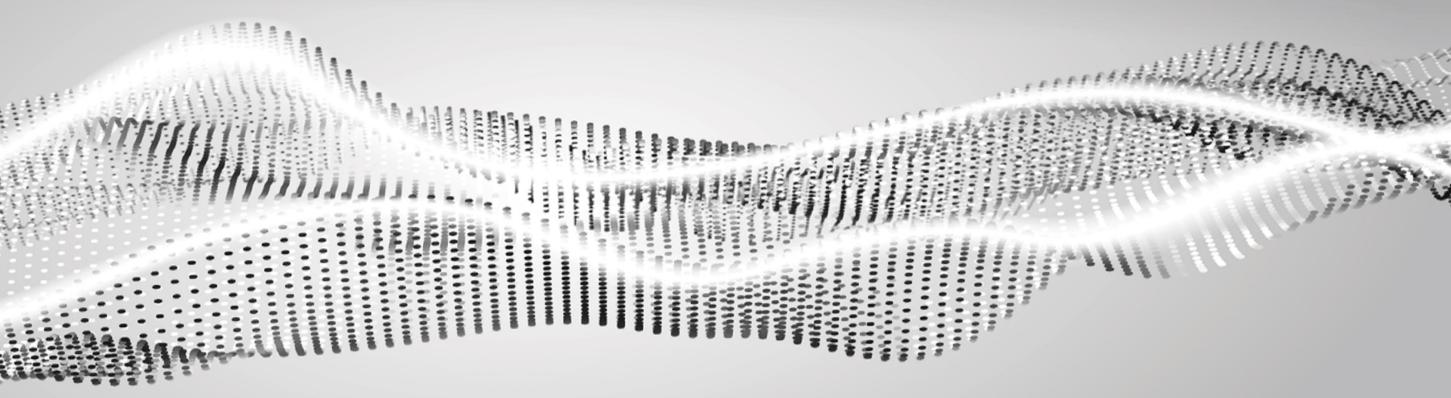
**Scott Richardson** 

## **Agenda**

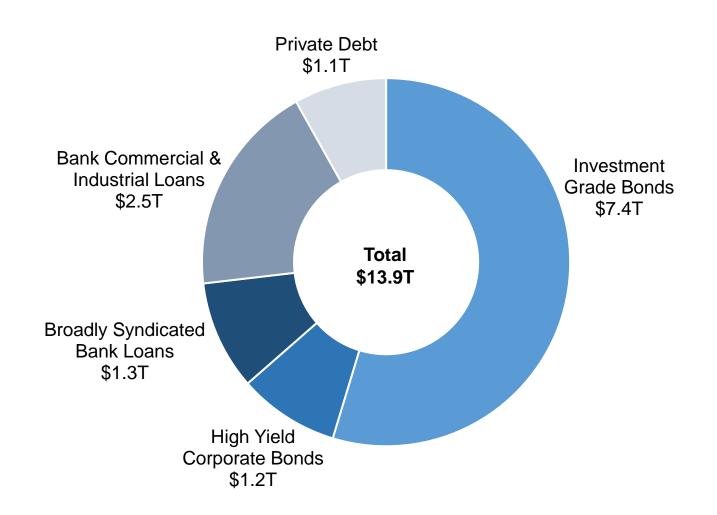
- The Corporate Credit Landscape
- Systematic Credit Overview
- Credit Outlook



## THE CORPORATE CREDIT LANDSCAPE



#### Overview of U.S. Corporate Debt Market



## **Variety of Offerings and Access**

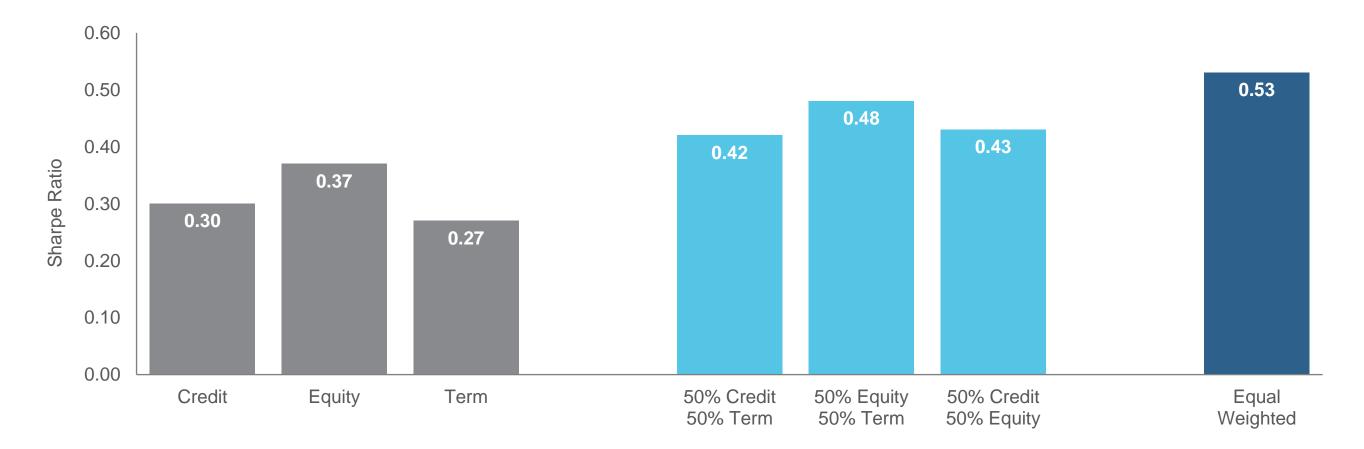
	Public / Private	Quality	Fixed / Floating	Common Index	Inception Date (Launch Date)	Investment Options
Investment Grade	Public	IG	Fixed	Ibbotson's U.S. Long-Term Corporate Bond	1973	Broad range of passive and active options
High Yield	Public	HY	Fixed	Bloomberg High Yield Corporate	1988	Broad range of passive and active options
Broadly Syndicated Bank Loans	Public	HY	Floating	Morningstar LSTA Leveraged Loan	1996 (2011)	Passive and active options available
Direct Lending	Private	HY / Not- Rated	Floating	Cliffwater Direct Lending	2004 (2015)	Public BDCs, active managers

Source: ICE, Morningstar, S&P Global Market Intelligence. As of December 31, 2022.

#### **Credit in Asset Allocation: Long-Term Sharpe Ratios**

Credit has historically provided investors with robust, diversifying, and income-generating return streams

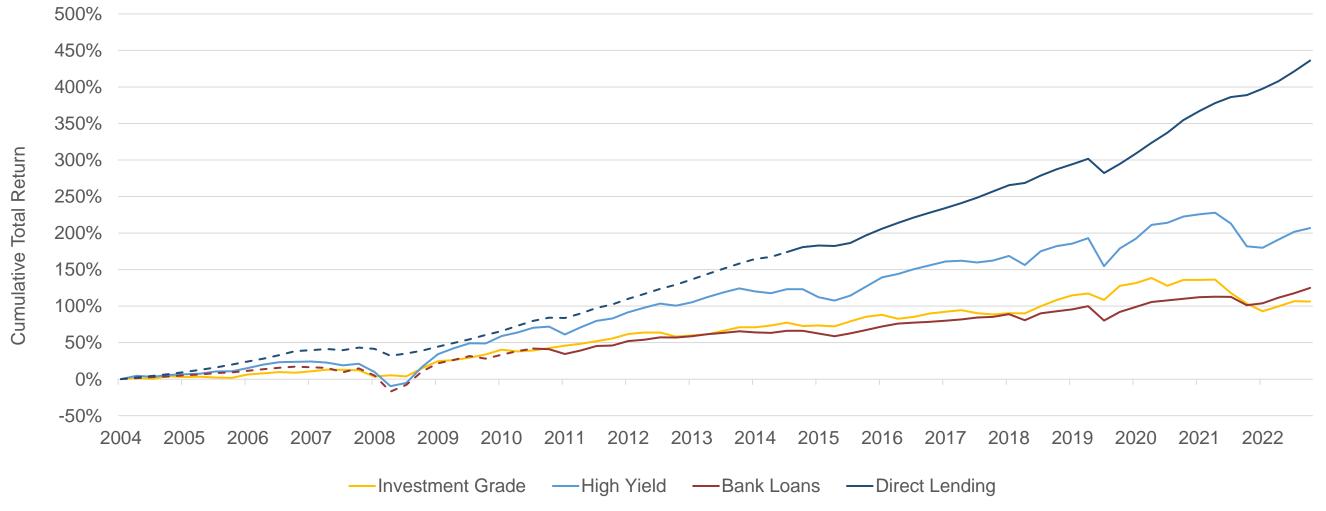
Monthly Data: January 1973 – December 2022



## Performance By Corporate Credit Categories

#### **Cumulative Total Return by Category**

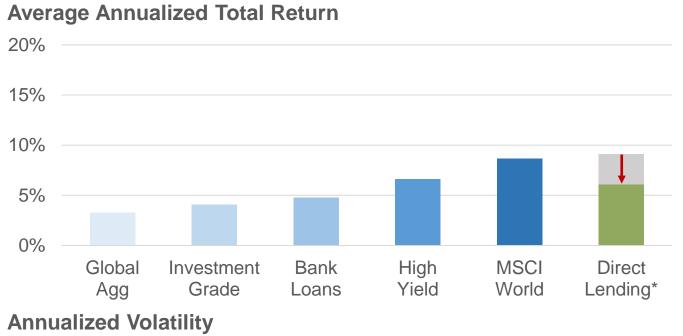
September 2004 – June 2023

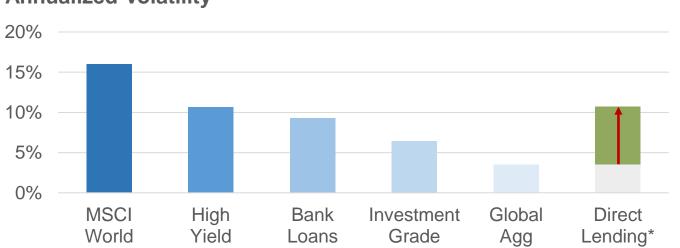


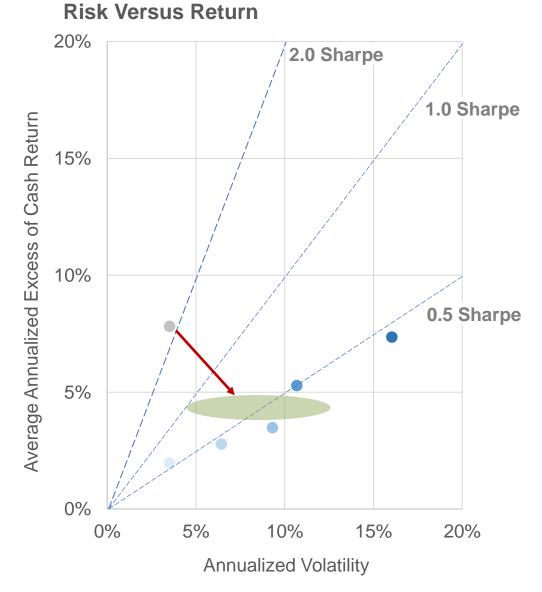
Dashed lines represent and index backfilling returns prior to its inception. Date range shown is based on available data from Direct Lending (Cliffwater Direct Lending Index). Investment Grade is proxied by the ICE BofA Corporate Index. High Yield is proxied by ICE BofA U.S. High Yield Index. Bank Loans is proxied by the Morningstar LSTA U.S. Leveraged Loans Index.

#### Direct Lending: Performance Comparison

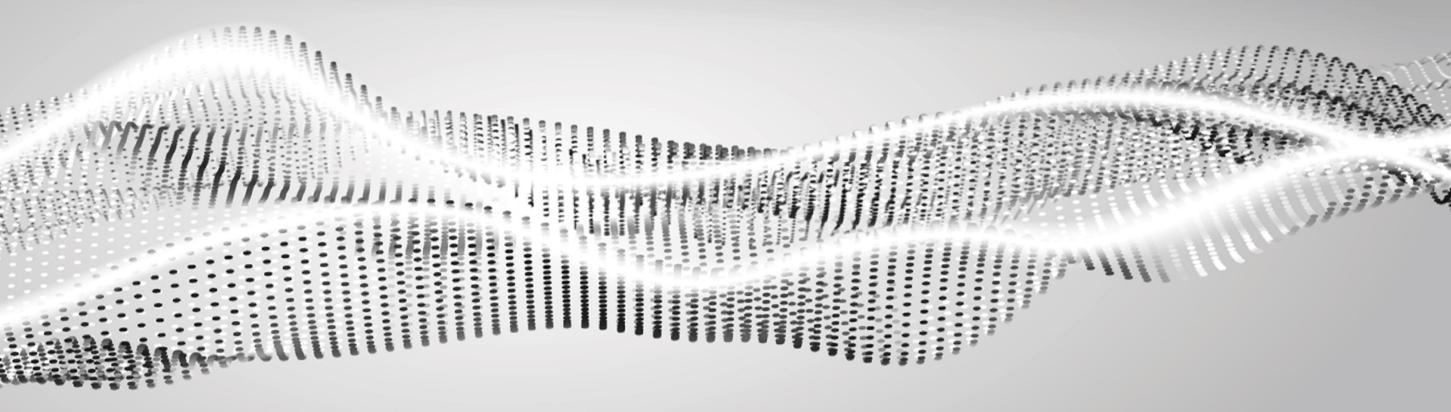
Adjusting for higher fees and smoothed returns results in performance beginning to be sensible







# SYSTEMATIC CREDIT OVERVIEW



#### **Credit Markets: The Evolution of Electronic Trading**

**Credit trading finally exits the Dark Ages** 

Financial Times, 4-Apr-23

Is This the New Era for Electronic Credit Trading?

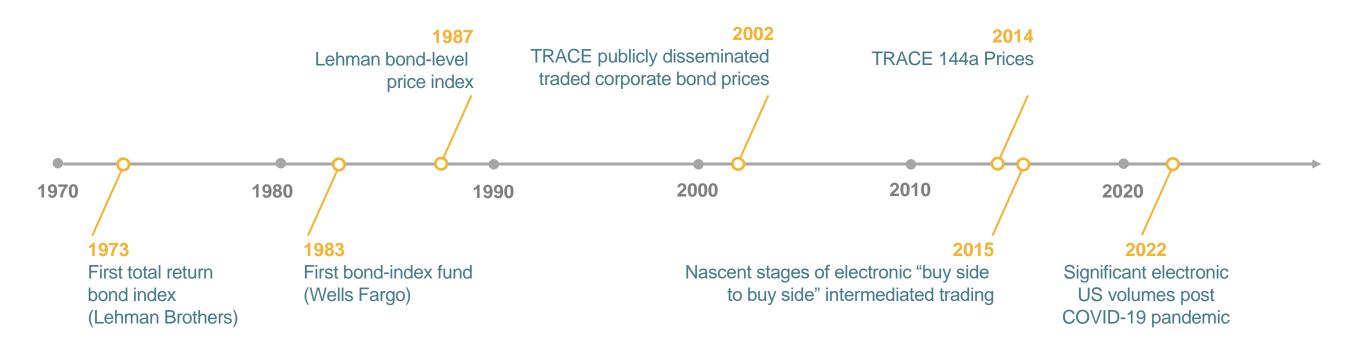
Tradeweb, 16-May-23

The creeping equitisation of credit trading

Financial Times, 2-Jun-23

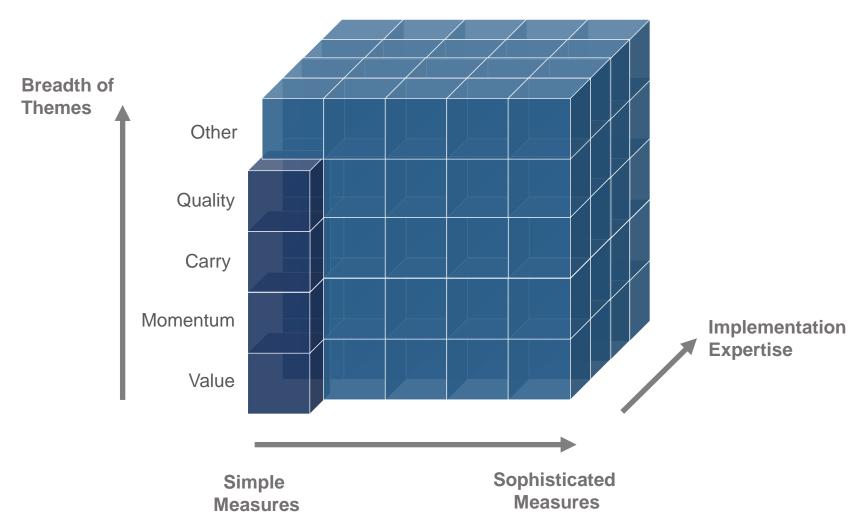
#### Systematic Investing in Corporate Credit Markets

- While the roots of systematic investing in equities were established around the 1960s, the same concept applied to corporate bonds was not formally studied until the early 2010s
- Reasons for late adoption include limited data, greater fragmentation in corporate bond liquidity and pricing relative to equities, and the historically manual process of corporate bond trading



#### **Adding Value Across Multiple Dimensions**

Managers can add value by expanding themes, by more sophisticated measures, and in implementation

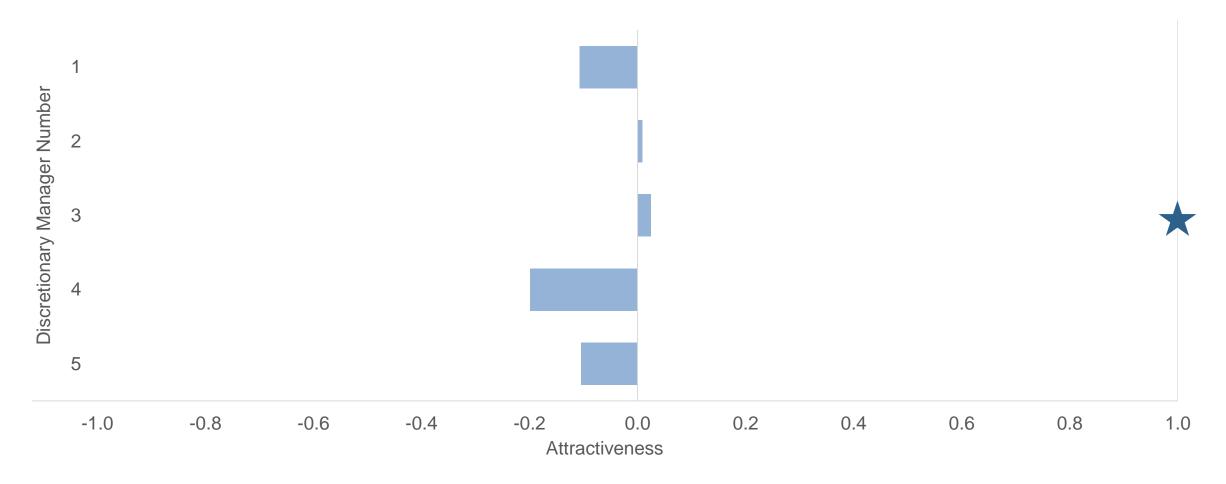


Source: Systematic Fixed Income, An Investor's Guide. Richardson 2022.

#### **Diversifying Potential of Systematic Strategies**

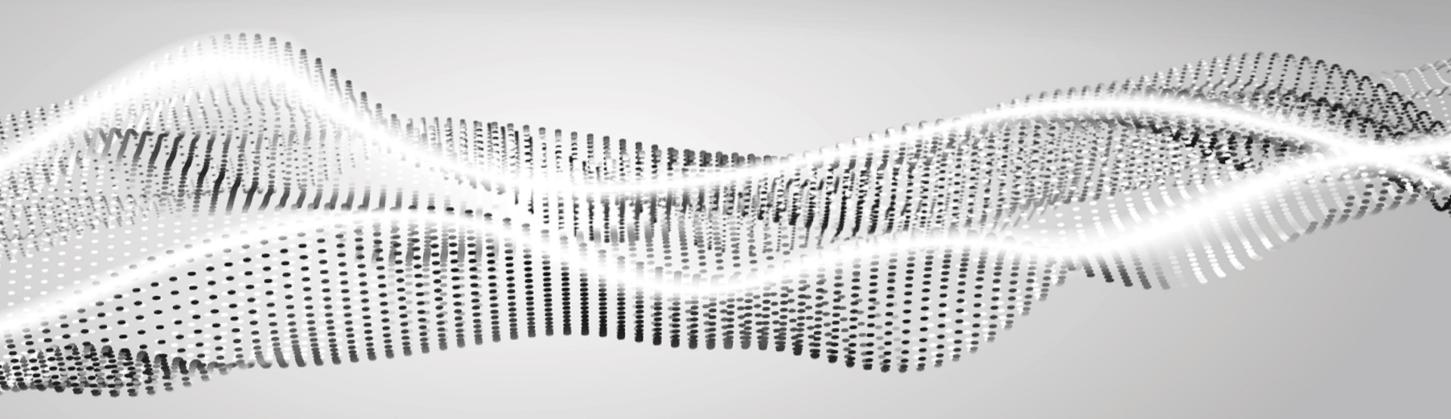
We find little evidence that discretionary managers provide exposure to systematic strategies' themes

**Top Discretionary Managers Exposure to a Systematic Credit Approach** As of December 31, 2022

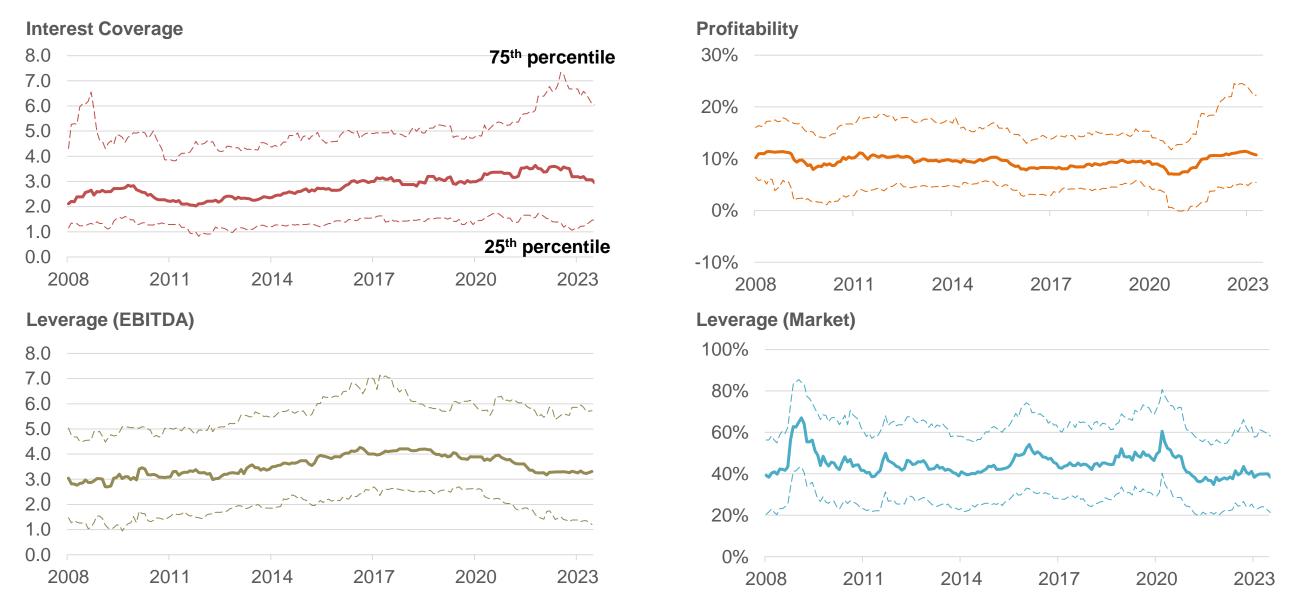


Source: eVestment, CRSP. Holdings as of December 31, 2022. Discretionary managers selected based on largest strategy AUM in eVestment. Attractiveness measured as a Z-score reflecting deviation of forecast return from benchmark return expectations. Return forecasts are based on Acadian's proprietary systematic credit investment themes. Portfolios are reweighted to exclude bonds without a return forecast. CRSP®, Center for Research in Security Prices. Graduate School of Business, The University of Chicago. Used with permission. All rights reserved. crsp.uchicago.edu. Please see appendix for additional disclosures.

# CREDIT OUTLOOK



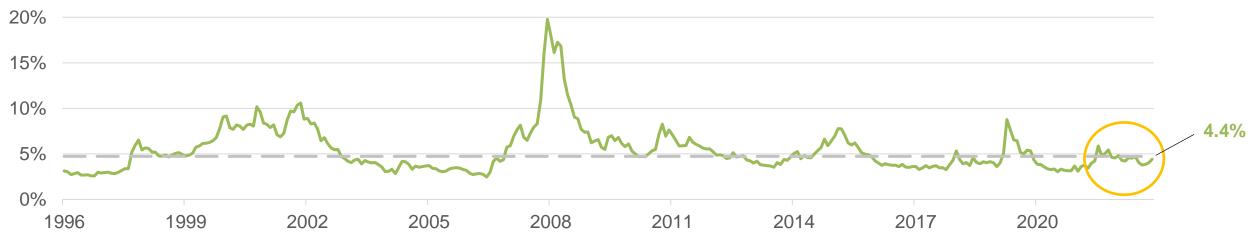
#### U.S. High Yield Outlook: Borrower Quality is Robust



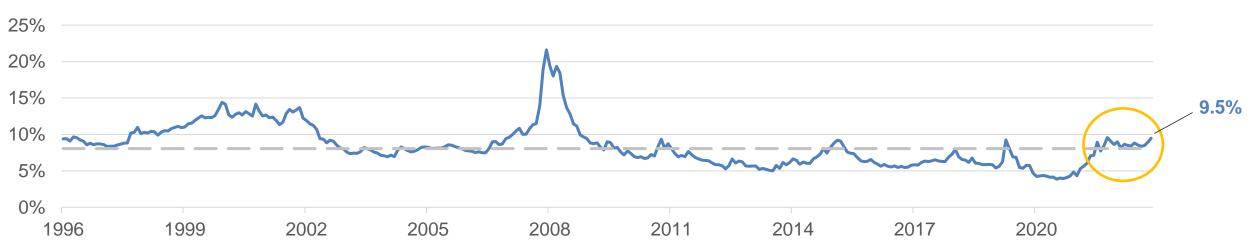
#### **U.S. High Yield Outlook**

Spreads and yields are at attractive levels versus long-term values

#### **Option Adjusted Spread**

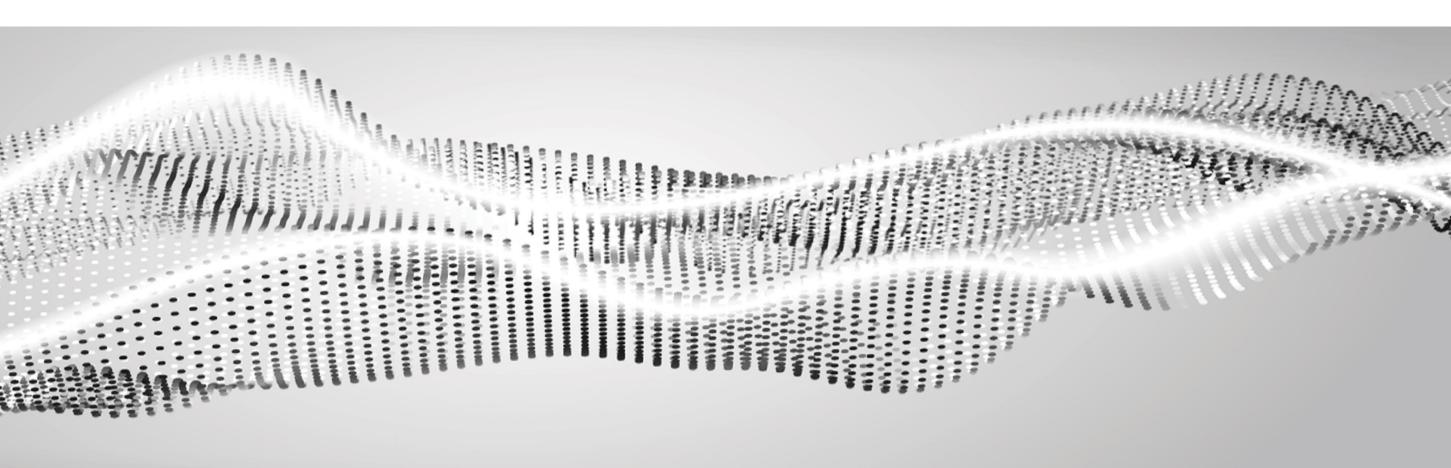


#### **Yield to Worst**

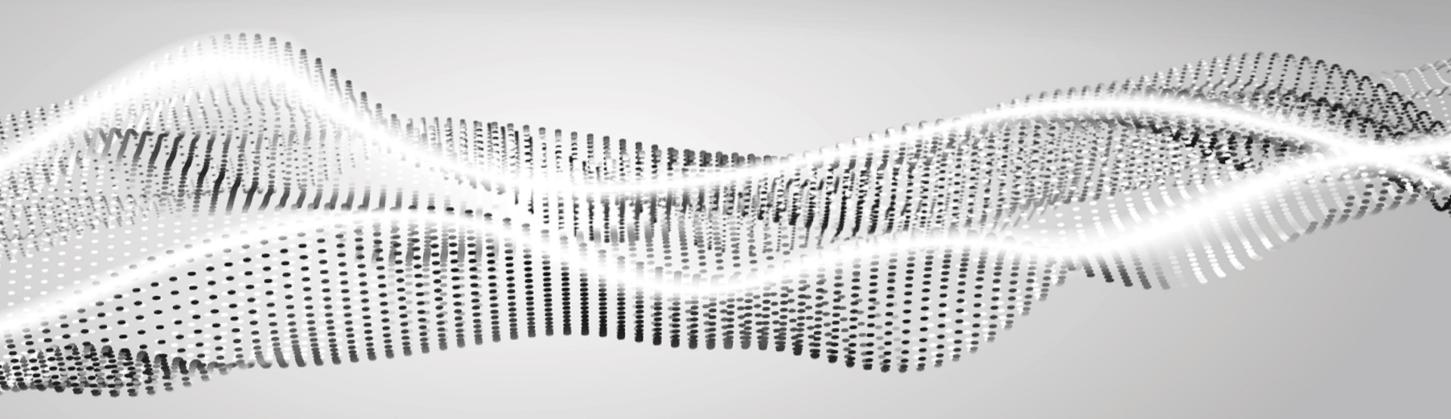


#### **Takeaways**

- Corporate credit: Plays an evergreen role in asset allocation and current conditions suggest a strong tactical opportunity
- Accessing credit premium: We believe an active approach to public credit is superior to a passive implementation and more compelling than private credit in the current environment
- Systematic active in corporate credit: Captures a unique opportunity set, attractive as a standalone allocation and a diversifying complement to discretionary strategies



# APPENDIX

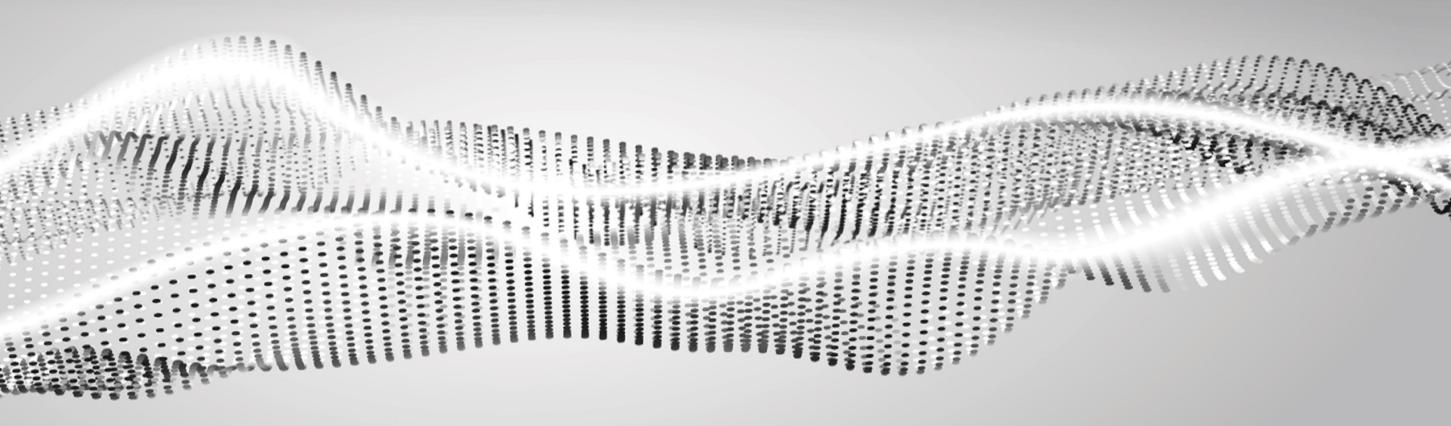


#### **Intuitive Themes Implemented in Credit Markets**

Themes have efficacy on a standalone basis and low correlations to other themes

Theme	Concept		Example
Value	Cheap bonds outperform expensive bonds Drivers: Over-extrapolation, potential compensation for systematic risk	<b>→</b>	Spread relative to rating (i.e., a measure of credit risk)
Momentum	A bond's recent outperformance will continue  Drivers: Under reaction to news, investor herding	<b>→</b>	Issuer returns
Carry	Higher yielding assets outperform lower yielding  Drivers: Excess demand for capital	<b>→</b>	Option-adjusted spread level
Quality	High-quality outperforms low-quality  Drivers: Leverage aversion, lottery preferences	<b>→</b>	Strong balance sheets

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