

TRADEWEB MARKETS
MONTHLY
ACTIVITY
REPORT
OCTOBER 2023

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TRADEWEB MARKETS – ACTIVITY RECAP

OCTOBER 2023



TRADEWEB REPORTS OCTOBER 2023 TOTAL TRADING VOLUME OF \$37.2 TRILLION AND RECORD AVERAGE DAILY VOLUME OF \$1.75 TRILLION

Average daily volume (ADV) for the month was a record \$1.75tn, an increase of 66.3 percent (%) year-over-year (YoY). Average daily trades for the month totaled 149,828.

In October 2023¹, Tradeweb records included:

- ADV in U.S. government bonds
- ADV in swaps/swaptions ≥ 1-year
- ADV in fully electronic U.S. High Grade credit
- ADV in equity convertibles/swaps/options

RATES

U.S. government bond ADV was up 27.7% YoY to \$163.7 billion (bn). European government bond ADV was up 12.0% YoY to \$42.3bn.

Record U.S. government bond volumes were supported by growth across all client sectors. Higher interest rates continued to drive trading in the retail market. U.S. and European government bond volumes were supported by sustained rates market volatility.

Mortgage ADV was up 13.4% YoY to \$193.8bn.

Strong volumes were driven by increased participation from fast money accounts as well as elevated roll activity. Record specified pool volumes were driven by robust client engagement, continuing to drive strong YoY growth.

Swaps/swaptions ≥ 1-year ADV was up 121.1% YoY to \$463.4bn and total rates derivatives ADV was up 174.0% YoY to \$749.6bn.

Record volume in swaps/swaptions ≥ 1-year was driven in part by increased client activity and a 182% YoY increase in lower fee per million compression activity. Quarter-to-date compression activity is running higher than 3Q23. Robust volumes were also driven by record activity in global inflation swaps as well as strong activity in the request-for-market (RFM) protocol and emerging market swaps.

CREDIT

Fully electronic U.S. credit ADV was up 24.9% YoY to \$5.6bn and European credit ADV was up 27.4% YoY to \$2.1bn.

Strong U.S. credit volumes, most notably record ADV in fully electronic U.S. High Grade activity, reflected continued client adoption in Tradeweb protocols, including request-for-quote (RFQ), as well as record adoption in Tradeweb AllTrade[®] and portfolio trading. Tradeweb's share of fully electronic U.S. High Grade and U.S. High Yield TRACE was 16.8%, and 6.7%, respectively. Higher European credit volumes were supported by strong activity in sessions-based trading and RFQ.

Municipal bonds ADV was up 2.1% YoY to \$472 million (mm).

Municipal volumes reflected healthy institutional and retail client activity, as broader municipal bond market volumes declined 1.8%².

Credit derivatives ADV was down 24.0% YoY to \$12.1bn.

Tighter credit spreads led to a decline in overall swap execution facility (SEF) market activity.

EQUITIES

U.S. ETFADV was down 6.5% YoY to \$7.2bn and European ETFADV was up 24.1% YoY to \$2.6bn.

Institutional client engagement in U.S. ETFs remained robust, with a 10% increase in platform volumes YoY. European ETFs were up as broader market volumes remained relatively flat.

MONEY MARKETS

Repurchase agreement ADV was up 41.2% YoY to \$527.2bn.

Further client adoption of Tradeweb's electronic trading solutions drove global repo activity. Current U.S. market conditions shifted demand from the Federal Reserve's reverse repo facility to money markets. Retail money markets activity continued to be strong as interest rates remained elevated.

¹ Total volume across Rates (Cash and Derivatives), Credit, and Money Markets includes Australia and New Zealand estimated volumes from the Yieldbroker business that Tradeweb acquired on August 31, 2023

² Based on data from MSRB

TRADEWEB MARKETS – SINGLE COUNT

OCTOBER 2023

Asset Class	Product	October 2023		September 2023		October 2022		MoM	YoY
		ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	ADV	ADV
Rates	Cash	409,647	8,644,259	378,312	7,612,011	342,069	6,880,350	8.28%	19.76%
	U.S. Government Bonds	163,661	3,436,884	145,318	2,906,360	128,129	2,562,575	12.62%	27.73%
	European Government Bonds	42,305	930,712	42,387	890,121	37,767	793,098	-0.19%	12.02%
	Mortgages	193,808	4,069,966	181,575	3,631,493	170,873	3,417,456	6.74%	13.42%
	Other Government Bonds	9,873	206,697	9,033	184,036	5,301	107,220	9.30%	86.25%
	Derivatives	749,551	16,038,685	570,904	11,745,696	273,602	5,621,130	31.29%	173.96%
	Swaps/Swaptions ≥ 1Y	463,387	9,912,157	335,346	6,880,231	209,585	4,303,407	38.18%	121.10%
	Swaps/Swaptions < 1Y	282,273	6,044,783	232,519	4,803,335	62,469	1,286,745	21.40%	351.86%
	Futures	3,891	81,746	3,039	62,129	1,547	30,977	28.04%	151.49%
	Total		1,159,198	24,682,944	949,217	19,357,706	615,671	12,501,480	22.12%
Credit	Cash	14,365	290,816	13,936	281,086	11,084	218,957	3.08%	29.60%
	U.S. High Grade – Fully Electronic	4,903	102,953	4,233	84,666	3,834	76,680	15.81%	27.87%
	U.S. High Grade – Electronically Processed	2,328	48,889	2,415	48,309	2,801	56,017	-3.62%	-16.88%
	U.S. High Yield – Fully Electronic	689	14,464	628	12,563	643	12,852	9.65%	7.18%
	U.S. High Yield – Electronically Processed	335	7,025	223	4,454	359	7,185	50.22%	-6.88%
	European Credit	2,136	46,990	2,148	45,116	1,676	35,197	-0.58%	27.44%
	Municipal Bonds	472	9,922	357	7,144	463	9,258	32.27%	2.07%
	Chinese Bonds	3,268	55,551	3,663	73,252	1,135	18,163	-10.78%	187.86%
	Other Credit Bonds	235	5,022	268	5,582	173	3,605	-12.18%	35.62%
	Derivatives	12,057	257,879	36,595	746,807	15,860	323,459	-67.05%	-23.98%
Swaps	12,057	257,879	36,595	746,807	15,860	323,459	-67.05%	-23.98%	
Total		26,422	548,696	50,531	1,027,893	26,944	542,417	-47.71%	-1.94%
Equities	Cash	9,725	213,950	9,616	194,533	9,724	204,207	1.13%	0.01%
	U.S. ETFs	7,166	157,658	7,412	148,250	7,662	160,901	-3.32%	-6.47%
	European ETFs	2,559	56,292	2,204	46,283	2,062	43,305	16.10%	24.08%
	Derivatives	10,079	221,730	9,517	191,051	7,154	150,225	5.90%	40.89%
	Convertibles/Swaps/Options	7,246	159,404	6,378	128,003	3,911	82,137	13.61%	85.25%
Futures	2,833	62,326	3,139	63,048	3,242	68,088	-9.75%	-12.62%	
Total		19,804	435,679	19,133	385,584	16,878	354,431	3.50%	17.34%
Money Markets	Cash	545,167	11,525,586	546,445	11,012,228	393,146	7,935,049	-0.23%	38.67%
	Repurchase Agreements (Repo)	527,223	11,148,355	529,591	10,672,851	373,273	7,536,857	-0.45%	41.24%
	Other Money Markets	17,944	377,231	16,853	339,377	19,872	398,192	6.47%	-9.70%
Total		545,167	11,525,586	546,445	11,012,228	393,146	7,935,049	-0.23%	38.67%
Total									
		ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	MoM	YoY
Total		1,750,591	37,192,905	1,565,325	31,783,412	1,052,638	21,333,377	11.84%	66.31%

PRODUCT CATEGORIES INCLUDE

U.S. Government Bonds: U.S. Treasury bills, notes and bonds, and Treasury Inflation-protected Securities, including when-issued securities.

Mortgages: To-be-announced mortgage-backed securities, specified pools, collateralized mortgage obligations, commercial mortgage-backed securities, other mortgage derivatives and other asset-backed securities.

Other Government Bonds: Japanese, Canadian, Australian and New Zealand government bonds, covered bonds (including Pfandbriefe), other government-guaranteed securities, supranational, sub-sovereign and agency bonds/debentures.

Rates Futures: Government bond futures leg of exchange for physicals (EFPs).

U.S. High Grade and High Yield: All TRACE-reported corporates, excluding convertibles (see page 3 for segmentation methodology).

Chinese Bonds: Chinese Interbank Bond Market (CIBM) instruments – government and corporate – transacted via Bond Connect Company Limited (BACL) and CIBM Direct.

Other Credit Bonds: Other developed market (including non-TRACE-reported bonds, preferreds and structured notes), developing and emerging market corporate and government bonds.

Credit Swaps: Index and single name credit default swaps.

ETFs: Exchange traded funds (ETFs), ETF leg of EFPs, and net asset value trades.

Convertibles/Swaps/Options: Convertible bonds, equity swaps, call and put strategies, and other equity derivatives excluding futures.

Equities Futures: Equity futures including the futures leg of EFPs.

Other Money Markets: Agency discount notes, commercial paper, certificates of deposits (including structured CDs), and deposits.

VOLUMES

Volumes include Tradeweb, Dealerweb and Tradeweb Direct. Except with respect to U.S. Treasuries, both sides of a trade are included in volume totals where the trade is fully-anonymous and a Tradeweb broker-dealer is the matched principal counterparty. Riskless principal trades on Tradeweb Direct are single-count.

All volumes are notional par values, unless otherwise stated, converted to U.S. Dollars.

Volumes for Mortgages represent current face value at time of trade.

Volumes for Repo represent notional value of posted collateral.

Volumes can reflect cancellations, corrections, and settlement of NAV trades on ETFs that occur after prior postings.

U.S. CORPORATE BONDS

USING MARKET REPORTING STANDARDS

OCTOBER 2023

TRADEWEB MARKETS

Product	Type	October 2023						September 2023						October 2022						MoM		YoY	
		Volume (USD mm)			Trades			Volume (USD mm)			Trades			Volume (USD mm)			Trades			Volume (USD mm)	Volume (USD mm)		
		ADV	Total	% of TRACE	ADT	Total	% of TRACE	ADV	Total	% of TRACE	ADT	Total	% of TRACE	ADV	Total	% of TRACE	ADT	Total	% of TRACE	ADV	% of TRACE		
U.S. High Grade	Total	7,443	156,308	24.5%	27,139	569,923	26.8%	6,828	136,555	24.5%	23,834	476,685	25.9%	6,864	137,275	23.7%	23,698	473,965	26.6%	9.01%	-4bp	8.44%	76bp
	Fully Electronic	5,115	107,419	16.8%	26,820	563,212	26.4%	4,412	88,247	15.8%	23,496	469,916	25.6%	4,063	81,258	14.0%	23,268	465,357	26.1%	15.93%	98bp	25.90%	278bp
	Electronically Processed	2,328	48,889	7.6%	320	6,711	0.3%	2,415	48,309	8.7%	338	6,769	0.4%	2,801	56,017	9.7%	430	8,608	0.5%	-3.62%	-102bp	-16.88%	-202bp
U.S. High Yield	Total	1,045	21,949	9.8%	3,538	74,300	22.2%	869	17,381	10.4%	3,337	66,736	23.0%	1,015	20,293	10.2%	3,192	63,834	19.0%	20.27%	-57bp	3.01%	-37bp
	Fully Electronic	711	14,924	6.7%	3,416	71,732	21.5%	646	12,926	7.7%	3,245	64,898	22.3%	655	13,109	6.6%	3,066	61,311	18.2%	9.96%	-105bp	8.43%	9bp
	Electronically Processed	335	7,025	3.1%	122	2,568	0.8%	223	4,454	2.7%	92	1,838	0.6%	359	7,185	3.6%	126	2,523	0.8%	50.22%	48bp	-6.88%	-46bp

REPORTED MARKET

Product	October 2023						September 2023						October 2022						MoM		YoY	
	Volume (USD mm)			Trades			Volume (USD mm)			Trades			Volume (USD mm)			Trades			ADV	ADT	ADV	ADT
	ADV	Total		ADT	Total		ADV	Total		ADT	Total		ADV	Total		ADT	Total		ADV	ADT		
U.S. High Grade (TRACE)	30,438	639,207		101,419	2,129,803		27,879	557,587		91,936	1,838,720		28,974	579,482		89,120	1,782,394		9.18%	10.31%	5.05%	13.80%
U.S. High Yield (TRACE)	10,670	224,079		15,919	334,299		8,383	167,653		14,528	290,567		9,981	199,623		16,816	336,316		27.29%	9.57%	6.91%	-5.33%

FOOTNOTES

Numbers include all activity on Tradeweb, Dealerweb and Tradeweb Direct.

Corporate bond volume and trade count numbers reflect all trades reported to TRACE, excluding emerging market and convertible bonds.

Monthly average capped volumes for HG and HY applied to capped trades based on TRACE reporting standards.

Electronically Processed include voice trades processed electronically on Tradeweb.

Day counts for corporate bonds reflect all SIFMA trading days.

On July 12, 2021, FINRA announced changes to its methodology for aggregation of its monthly TRACE Volume Reports. FINRA has confirmed that adjustments were made to address the double reporting of certain ATS trades, but these changes do not affect the real-time TRACE dissemination feeds; accordingly, Tradeweb has made no adjustments to its methodology for calculating U.S. High Grade and U.S. High Yield reported market volumes or trades. Further, FINRA's methodology adjustment to its monthly reporting does not materially change Tradeweb volumes using market reporting standards. Tradeweb's monthly volume reporting therefore remains consistent with prior reported volumes.

Segmentation between HG and HY determined using the following methodology and ratings from Standards & Poor's (S&P), Moody's Investor Services and Fitch Ratings:

- If 2 of 3 of the bond's ratings are equal to or worse than BB+/Ba1/BB+ (but not including "other ratings") then the bond is HY.
- If 1 of 3 of the bond's ratings is equal to or worse than BB+/Ba1/BB+, and none are better, then the bond is HY.
- If the bond is not rated by any agency then the bond is HY.
- If 3 of 3 of the bond's ratings are better than BB+/Ba1/BB+ (but not including "other ratings") then the bond is HG.
- If 2 of 3 of the bond's ratings are better than BB+/Ba1/BB+ then the bond is HG.
- If 1 of 3 of the bond's ratings is better than BB+/Ba1/BB+, and none are equal or worse, then the bond is HG.
- If 1 of 3 of the bond's ratings is better than BB+/Ba1/BB+ and 1 of 3 is equal or worse, then the bond is HG. (i.e. The bond is split rated: 1 HG, 1 HY).

DISCLOSURES

OCTOBER 2023



BASIS OF PRESENTATION

All reported amounts are presented in U.S. dollars, unless otherwise indicated. In determining the reported U.S. dollar amounts for non-U.S. dollar denominated securities, the non-U.S. dollar amount for a particular month is translated into U.S. dollars based on the monthly average foreign exchange rate for the prior month.

MARKET AND INDUSTRY DATA

This report includes estimates regarding market and industry data that we prepared based on our management's knowledge and experience in the markets in which we operate, together with information obtained from various sources, including publicly available information, industry reports and publications, surveys, our clients, trade and business organizations and other contacts in the markets in which we operate. In presenting this information, we have made certain assumptions that we believe to be reasonable based on such data and other similar sources and on our knowledge of, and our experience to date in, the markets in which we operate. While such information is believed to be reliable for the purposes used herein, no representations are made as to the accuracy or completeness thereof and we take no responsibility for such information.

FORWARD-LOOKING STATEMENTS

This report contains forward-looking statements within the meaning of the federal securities laws. Statements related to, among other things, our outlook and future performance, the industry and markets in which we operate, our expectations, beliefs, plans, strategies, objectives, prospects and assumptions and future events are forward-looking statements.

We have based these forward-looking statements on our current expectations, assumptions, estimates and projections. While we believe these expectations, assumptions, estimates and projections are reasonable, such forward-looking statements are only predictions and involve known and unknown risks and uncertainties, many of which are beyond our control. These and other important factors, including those discussed under the heading "Risk Factors" in documents of Tradeweb Markets Inc. on file with or furnished to the SEC, may cause our actual results, performance or achievements to differ materially from those expressed or implied by these forward-looking statements. Given these risks and uncertainties, you are cautioned not to place undue reliance on such forward-looking statements. The forward-looking statements contained in this report are not guarantees of future performance and our actual results of operations, financial condition or liquidity, and the development of the industry and markets in which we operate, may differ materially from the forward-looking statements contained in this report. In addition, even if our results of operations, financial condition or liquidity, and events in the industry and markets in which we operate, are consistent with the forward-looking statements contained in this report, they may not be predictive of results or developments in future periods.

Any forward-looking statement that we make in this report speaks only as of the date of such statement. Except as required by law, we do not undertake any obligation to update or revise, or to publicly announce any update or revision to, any of the forward-looking statements, whether as a result of new information, future events or otherwise, after the date of this report.

ABOUT TRADEWEB MARKETS

Tradeweb Markets Inc. (Nasdaq: TW) is a leading, global operator of electronic marketplaces for rates, credit, equities and money markets. Founded in 1996, Tradeweb provides access to markets, data and analytics, electronic trading, straight-through-processing and reporting for more than 40 products to clients in the institutional, wholesale and retail markets. Advanced technologies developed by Tradeweb enhance price discovery, order execution and trade workflows while allowing for greater scale and helping to reduce risks in client trading operations. Tradeweb serves more than 2,500 clients in more than 65 countries. On average, Tradeweb facilitated more than \$1.2 trillion in notional value traded per day over the past four quarters.

For more information, please go to www.tradeweb.com.

LEGAL & COMPLIANCE STATEMENT

This report represents certain trades in instruments that have been reported publicly. The report does not necessarily reflect all transactions that were effected on the system. There is the possibility of errors or delays in the trade submission process. The information provided has been obtained from sources deemed to be reliable, however Tradeweb does not guarantee the accuracy of the information contained in this report.

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