




TRADEWEB MARKETS MONTHLY ACTIVITY REPORT

FEBRUARY 2019

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TRADEWEB MARKETS – ACTIVITY RECAP

FEBRUARY 2019

TRADING ACTIVITY REMAINS ROBUST

Average daily volume (ADV) across rates, credit, money markets and equities for Tradeweb Markets continued to grow year over year (YoY). ADV for February 2019 of \$601.6 billion (bn) rose 6.5 percent (%) YoY while average daily trades totaled 50,128.

New records for monthly trading activity were set in several products, including U.S. Treasuries, U.S. high-grade credit, and European ETFs. ADV in U.S. Treasuries of \$83.9 bn included growth from sessions-based trading and actives direct streaming liquidity, ADV in U.S. high-grade credit rose 75.4% YoY and represented 11.5% of TRACE volume, and ADV in European ETFs of \$1.7 bn increased 15.4% YoY. ADV in repurchase agreements of \$167.8 bn was fueled by growth in bilateral electronic trading on the platform. Trading in Chinese bonds of \$957 million (mm) represented an increase of 183.5% YoY. Additionally, mortgages rose 5.6% YoY to ADV of \$153.9 bn, European government bonds increased 13.7% YoY to ADV of \$22.4 bn, and municipal bonds rose 3.6% YoY to ADV of \$291 mm.

Among the markets in which Tradeweb operates:

- Average daily volume (ADV) in U.S. Government Bonds of \$83.9 billion (bn) increased 2.0 percent (%) month over month (MoM) and rose 3.7% year over year (YoY).
- ADV in European Government Bonds of \$22.4 bn increased 2.1% MoM and 13.7% YoY.
- ADV in Mortgages of \$153.9 bn decreased 6.4% MoM and rose 5.6% YoY.
- ADV in Rates Swaps/Swaptions of \$132.5 bn declined 5.9% MoM and rose 9.7% YoY.
- In U.S. Credit, ADV in High-Grade of \$2.9 bn increased 6.3% MoM and 75.4% YoY while ADV in High-Yield of \$0.4 bn decreased 9.3% MoM and rose 26.1% YoY.
- ADV in European Credit of \$1.3 bn increased 4.9% MoM and fell 23.1% YoY.
- ADV in U.S. ETFs of \$2.4 bn decreased 30.2% MoM and 58.8% YoY.
- ADV in European ETFs of \$1.7 bn increased 15.4% MoM and 15.4% YoY.
- ADV in Chinese Bonds of \$1.0 bn increased 8.1% MoM and 183.5% YoY.

TRADEWEB MARKETS – SINGLE COUNT

FEBRUARY 2019

Asset Class	Product	February 2019		January 2019		February 2018		MoM	YoY
		ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	ADV (USD mm)	Volume (USD mm)	ADV	ADV
Rates	Cash	264,147	5,042,208	271,246	5,716,789	248,321	4,739,072	-2.62%	6.37%
	U.S. Government Bonds	83,898	1,594,067	82,289	1,728,070	80,894	1,536,994	1.96%	3.71%
	European Government Bonds	22,397	447,945	21,934	482,549	19,705	394,094	2.11%	13.66%
	Mortgages	153,885	2,923,821	164,444	3,453,330	145,699	2,768,289	-6.42%	5.62%
	Other Government Bonds	3,966	76,374	2,578	52,839	2,023	39,695	53.80%	96.06%
	Derivatives	132,863	2,582,678	141,423	3,026,694	121,495	2,345,059	-6.05%	9.36%
	Swaps / Swaptions	132,505	2,575,868	140,782	3,013,216	120,842	2,332,646	-5.88%	9.65%
	Futures	358	6,810	642	13,478	653	12,413	-44.13%	-45.13%
Total		397,010	7,624,886	412,669	8,743,483	369,816	7,084,131	-3.79%	7.35%
Credit	Cash	5,920	110,019	5,610	120,005	4,383	83,707	5.51%	35.07%
	U.S. High-Grade	2,906	55,208	2,733	57,397	1,657	31,485	6.31%	75.35%
	U.S. High-Yield	354	6,725	390	8,191	281	5,332	-9.25%	26.13%
	European Credit	1,340	26,799	1,277	28,093	1,742	34,831	4.93%	-23.06%
	Municipal Bonds	291	5,538	275	5,780	281	5,343	5.89%	3.64%
	Chinese Bonds	957	14,351	885	19,481	337	5,062	8.05%	183.52%
	Other Credit Bonds	72	1,397	49	1,064	85	1,654	45.37%	-15.36%
	Derivatives	5,877	114,206	7,186	153,994	10,599	205,022	-18.21%	-44.55%
	Swaps	5,877	114,206	7,186	153,994	10,599	205,022	-18.21%	-44.55%
	Total	11,797	224,224	12,796	273,999	14,982	288,728	-7.81%	-21.26%
Money Markets	Cash	185,959	3,590,269	190,995	4,062,797	166,938	3,190,632	-2.64%	11.39%
	Repurchase Agreements (Repo)	167,780	3,243,735	171,423	3,650,533	142,016	2,715,584	-2.13%	18.14%
	Other Money Markets	18,179	346,535	19,571	412,263	24,922	475,048	-7.12%	-27.06%
Total		185,959	3,590,269	190,995	4,062,797	166,938	3,190,632	-2.64%	11.39%
Equities	Cash	4,086	79,319	4,902	104,406	7,285	139,871	-16.65%	-43.91%
	U.S. ETFs	2,401	45,623	3,442	72,279	5,825	110,673	-30.23%	-58.78%
	European ETFs	1,685	33,696	1,460	32,127	1,460	29,198	15.37%	15.40%
	Derivatives	2,706	52,865	3,146	67,166	5,610	107,390	-13.98%	-51.76%
	Convertibles/Swaps/Options	1,615	32,023	1,194	26,072	840	16,727	35.18%	92.11%
	Futures	1,092	20,843	1,952	41,094	4,770	90,663	-44.07%	-77.11%
	Total	6,793	132,185	8,049	171,572	12,895	247,262	-15.61%	-47.32%

	ADV (USD mm)	Average Daily Trades	ADV (USD mm)	Average Daily Trades	ADV (USD mm)	Average Daily Trades
Total	601,568	50,128	624,509	51,219	564,630	42,898

PRODUCT CATEGORIES INCLUDE

U.S. Government Bonds: U.S. Treasury bills, notes and bonds, and Treasury Inflation-protected 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. Starting in February 2019, Canadian Government Bonds effected on Tradeweb by non-Canadian clients have been added to these volumes.

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 (BCCL).

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.

Other Money Markets: Agency discount notes, commercial paper, certificates of deposits (including structured CDs), and deposits. Starting in February 2019, Canadian Commercial Paper effected on Tradeweb by non-Canadian clients have been added to these volumes.

ETF: 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. Certain equity derivatives transactions have been reclassified as Equity Futures to better reflect the product group.

Equities Futures: Equity futures including the futures leg of EFPs. Certain equity derivatives transactions have been reclassified as Equity Futures to better reflect the product group

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 converted to U.S. Dollars.

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

Volumes have been corrected to address the manner in which U.S. Treasury hedges with Interest Rate Swap transactions were being counted.

Volumes can reflect cancellations and corrections that occur after prior postings.

U.S. CORPORATE BONDS

USING MARKET REPORTING STANDARDS

FEBRUARY 2019

TRADEWEB MARKETS

Product	Type	February 2019						January 2019						February 2018						MoM		YoY	
		Volume (USD mm)			Trades			Volume (USD mm)			Trades			Volume (USD mm)			Trades			ADV	ADT	ADV	ADT
		ADV	Total	% of Reported	ADT	Total	% of Reported	ADV	Total	% of Reported	ADT	Total	% of Reported	ADV	Total	% of Reported	ADT	Total	% of Reported				
U.S. High-Grade	Total	3,034	57,638	11.5%	11,230	213,375	20.4%	2,859	60,041	11.2%	11,794	247,664	21.5%	1,783	33,884	7.5%	9,885	187,813	20.4%	6.10%	-4.78%	70.10%	13.61%
	Electronically Processed	2,055	39,039	7.8%	286	5,436	0.5%	1,876	39,392	7.3%	269	5,655	0.5%	1,142	21,702	4.8%	157	2,982	0.3%	9.54%	6.25%	79.88%	82.29%
	Fully Electronic	979	18,598	3.7%	10,944	207,939	19.8%	983	20,649	3.8%	11,524	242,009	21.0%	641	12,181	2.7%	9,728	184,831	20.1%	-0.45%	-5.03%	52.68%	12.50%
U.S. High-Yield	Total	366	6,953	3.6%	1,711	32,512	10.9%	401	8,428	3.8%	1,713	35,972	10.4%	295	5,609	2.7%	1,737	33,001	11.4%	-8.82%	-0.10%	23.96%	-1.48%
	Electronically Processed	235	4,472	2.3%	68	1,288	0.4%	252	5,289	2.4%	70	1,472	0.4%	161	3,058	1.5%	48	909	0.3%	-6.53%	-3.29%	46.24%	41.69%
	Fully Electronic	131	2,481	1.3%	1,643	31,224	10.5%	149	3,139	1.4%	1,643	34,500	10.0%	134	2,551	1.2%	1,689	32,092	11.1%	-12.66%	0.03%	-2.75%	-2.70%

REPORTED MARKET

Product	February 2019						January 2019						February 2018						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					
U.S. High-Grade (TRACE)	26,447	502,493		55,162	1,048,080		25,613	537,873		54,777	1,150,313		23,796	452,119		48,489	921,291		3.26%	0.70%	11.14%	13.76%
U.S. High-Yield (TRACE)	10,190	193,612		15,657	297,476		10,513	220,766		16,470	345,871		10,759	204,419		15,192	288,651		-3.07%	-4.94%	-5.29%	3.06%

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.

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

ABOUT TRADEWEB MARKETS

Tradeweb Markets LLC is a leading, global operator of electronic marketplaces for rates, credit, money markets and equities. Founded in 1996, the company 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 reduced risks in client trading operations. The company serves approximately 2,500 clients in more than 60 countries. In an average trading day, Tradeweb facilitates more than \$540 billion in notional value. For more information, please go to www.tradeweb.com.

LEGAL & COMPLIANCE STATEMENT

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