

CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Interest Rate Futures												
1-MONTH EURODOLLAR	0	0	0.0%	0	243	-100.0%	0	0	0.0%	0	354	-100.0%
EURODOLLARS	396,121	0	0.0%	37,355,676	39,340,906	-5.0%	1,713,253	2,619,681	-34.6%	199,158,460	256,413,419	-22.3%
SOFR	0	0	0.0%	2,322,470	572,738	305.5%	0	0	0.0%	8,937,780	3,851,862	132.0%
SONIA	0	0	0.0%	92,264	115,431	-20.1%	0	0	0.0%	554,379	523,507	5.9%
Interest Rate Options												
EURODOLLARS	2,230,270	0	0.0%	727,139	23,134,243	-96.9%	11,290,421	48,129,596	-76.5%	5,788,250	75,684,990	-92.4%
EURO MIDCURVE	10,036,046	0	0.0%	4,577,373	5,576,479	-17.9%	41,007,727	12,810,071	220.1%	22,105,058	20,493,668	7.9%
SOFR	0	0	0.0%	10	227	-95.6%	2,000	10	19,900.0%	780	492	58.5%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	195,747	122,670	59.6%	0	0	0.0%	1,016,188	706,464	43.8%
E-MINI COM SERVICES SELEC	0	0	0.0%	2,157	1,221	76.7%	0	0	0.0%	10,731	9,320	15.1%
E-mini FTSE 100 (USD)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-mini FTSE China 50	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	192,084	234,345	-18.0%	0	0	0.0%	1,000,377	1,639,875	-39.0%
E-MINI NASDAQ 100	0	0	0.0%	10,498,141	9,192,506	14.2%	0	0	0.0%	47,248,203	53,978,247	-12.5%
E-MINI RUSSELL 1000	0	0	0.0%	1,129	1,695	-33.4%	0	0	0.0%	11,503	19,240	-40.2%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	900	926	-2.8%	0	0	0.0%	10,876	12,632	-13.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,965	4,281	-30.7%	0	0	0.0%	37,377	21,394	74.7%
E-MINI RUSSELL 2000	0	0	0.0%	3,512,212	3,749,625	-6.3%	0	0	0.0%	16,809,336	17,558,261	-4.3%
E-MINI S&P500	0	0	0.0%	28,369,189	37,949,409	-25.2%	0	0	0.0%	139,027,855	198,709,514	-30.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,515	1,402	79.4%	0	0	0.0%	13,052	34,683	-62.4%
ETHER FUTURES	0	-	-	50,063	-	-	0	-	-	79,200	-	-
FT-SE 100	0	0	0.0%	0	0	0.0%	0	0	0.0%	4	0	0.0%
FTSE Emerging	0	0	0.0%	0	79	-100.0%	0	0	0.0%	5	4,370	-99.9%
IBOVESPA INDEX	0	0	0.0%	97	603	-83.9%	0	0	0.0%	955	2,718	-64.9%
MICRO E-MINI NASDAQ 100	0	0	0.0%	18,490,117	11,892,289	55.5%	0	0	0.0%	85,115,957	45,774,494	85.9%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,807,886	1,893,042	48.3%	0	0	0.0%	14,194,591	6,756,886	110.1%
MICRO E-MINI S&P500	0	0	0.0%	16,440,689	19,825,498	-17.1%	0	0	0.0%	80,727,088	62,437,416	29.3%
NASDAQ BIOTECH	0	0	0.0%	93	23	304.3%	0	0	0.0%	2,286	2,650	-13.7%

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Equity Index Futures												
Nearby BTIC+	0	0	0.0%	50	0	0.0%	0	0	0.0%	104	200	-48.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	98,978	123,617	-19.9%	0	0	0.0%	545,006	1,109,188	-50.9%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	510,293	798,470	-36.1%	0	0	0.0%	2,645,944	5,441,590	-51.4%
S&P 500	0	0	0.0%	2,140	3,123	-31.5%	0	33,712	-100.0%	9,554	15,162	-37.0%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	15,558	28,589	-45.6%	0	0	0.0%	55,963	123,593	-54.7%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	0	972	-100.0%	0	0	0.0%	447	3,123	-85.7%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	4,067	2,481	63.9%	0	0	0.0%	47,863	33,451	43.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	10,815	4,066	166.0%	0	0	0.0%	62,735	39,655	58.2%
S&P ENERGY SECTOR	0	0	0.0%	16,303	11,866	37.4%	0	0	0.0%	114,967	78,375	46.7%
S&P FINANCIAL SECTOR	0	0	0.0%	13,371	9,659	38.4%	0	0	0.0%	136,484	80,043	70.5%
S&P HEALTH CARE SECTOR	0	0	0.0%	7,742	5,797	33.6%	0	0	0.0%	54,362	60,793	-10.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	4,071	4,395	-7.4%	0	0	0.0%	36,846	38,868	-5.2%
S&P MATERIALS SECTOR	0	0	0.0%	2,819	2,995	-5.9%	0	0	0.0%	34,668	21,349	62.4%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,029	3,075	96.1%	0	0	0.0%	46,909	48,775	-3.8%
S&P UTILITIES SECTOR	0	0	0.0%	10,088	4,732	113.2%	0	0	0.0%	57,296	66,594	-14.0%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
WATER INDEX FUTURES	0	-	-	221	-	-	0	-	-	668	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	1,415	7,034	-79.9%	0	0	0.0%	5,839	36,272	-83.9%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	1,249	300	316.3%	0	0	0.0%	5,195	1,510	244.0%
E-MINI NASDAQ 100	0	0	0.0%	447,608	196,932	127.3%	0	0	0.0%	2,007,250	1,433,712	40.0%
E-MINI RUSSELL 2000	0	0	0.0%	18,162	6,435	182.2%	0	0	0.0%	122,927	70,696	73.9%
E-MINI S&P500	0	0	0.0%	4,390,217	5,462,448	-19.6%	0	250	-100.0%	21,896,375	36,201,972	-39.5%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	18,506	5,833	217.3%	0	0	0.0%	87,160	30,149	189.1%
EOM EMINI S&P	0	0	0.0%	1,743,238	1,452,704	20.0%	0	0	0.0%	7,303,633	10,202,138	-28.4%
EOM S&P 500	0	0	0.0%	1,260	0	0.0%	0	303,360	-100.0%	1,300	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	5,939	1,556	281.7%	0	0	0.0%	34,735	24,364	42.6%
EOW1 EMINI S&P 500	0	0	0.0%	456,349	908,912	-49.8%	0	0	0.0%	3,402,756	5,046,450	-32.6%
EOW1 S&P 500	0	0	0.0%	0	0	0.0%	0	157,788	-100.0%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	7,239	1,344	438.6%	0	0	0.0%	49,337	13,574	263.5%
EOW2 EMINI S&P 500	0	0	0.0%	796,525	803,089	-0.8%	0	0	0.0%	3,859,096	4,696,835	-17.8%
EOW2 S&P 500	0	0	0.0%	0	0	0.0%	0	252,530	-100.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	22,186	16,752	32.4%	0	0	0.0%	109,380	91,863	19.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,071,740	2,550,173	-18.8%	0	0	0.0%	8,119,813	11,901,212	-31.8%
EOW3 S&P 500	0	0	0.0%	0	0	0.0%	0	266,271	-100.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	22,868	2,344	875.6%	0	0	0.0%	56,250	10,048	459.8%
EOW4 EMINI S&P 500	0	0	0.0%	952,615	902,455	5.6%	0	0	0.0%	2,925,299	3,069,726	-4.7%
MICRO E-MINI NASDAQ 100	0	-	-	31,937	-	-	0	-	-	87,293	-	-
MICRO E-MINI S&P500	0	-	-	121,877	-	-	0	-	-	519,505	-	-
S&P 500	0	0	0.0%	0	1,849	-100.0%	0	677,812	-100.0%	200	4,289	-95.3%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	20	12	66.7%	0	0	0.0%	44	45	-2.2%
AD/JY CROSS RATES	0	0	0.0%	1,391	1,565	-11.1%	0	0	0.0%	8,912	11,499	-22.5%
AD/NE CROSS RATES	0	0	0.0%	153	238	-35.7%	0	0	0.0%	674	1,681	-59.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,735,122	1,423,626	21.9%	0	0	0.0%	8,788,816	9,127,525	-3.7%
BP/JY CROSS RATES	0	0	0.0%	1,795	2,268	-20.9%	0	0	0.0%	8,714	14,127	-38.3%
BP/SF CROSS RATES	0	0	0.0%	417	125	233.6%	0	0	0.0%	2,363	2,059	14.8%
BRAZIL REAL	0	0	0.0%	205,668	162,768	26.4%	0	0	0.0%	872,110	770,010	13.3%
BRITISH POUND	0	0	0.0%	1,624,503	1,327,793	22.3%	0	0	0.0%	7,407,509	9,066,302	-18.3%
CANADIAN DOLLAR	0	0	0.0%	1,497,971	1,223,695	22.4%	0	0	0.0%	6,465,772	7,218,998	-10.4%

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FX Futures												
CD/JY CROSS RATES	0	0	0.0%	11	8	37.5%	0	0	0.0%	544	224	142.9%
CHINESE RENMINBI (CNH)	0	0	0.0%	9,491	11,919	-20.4%	0	0	0.0%	58,826	77,672	-24.3%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	14	-85.7%
CZECK KORUNA (US)	0	-	-	1	-	-	0	-	-	3	-	-
EC/AD CROSS RATES	0	0	0.0%	2,097	2,503	-16.2%	0	0	0.0%	18,018	29,347	-38.6%
EC/CD CROSS RATES	0	0	0.0%	3,883	1,545	151.3%	0	0	0.0%	24,558	18,303	34.2%
EC/NOK CROSS RATES	0	0	0.0%	141	825	-82.9%	0	0	0.0%	2,355	1,241	89.8%
EC/SEK CROSS RATES	0	0	0.0%	261	200	30.5%	0	0	0.0%	2,383	2,809	-15.2%
EFX/BP CROSS RATES	0	0	0.0%	23,624	40,720	-42.0%	0	0	0.0%	209,282	323,983	-35.4%
EFX/JY CROSS RATES	0	0	0.0%	19,784	34,451	-42.6%	0	0	0.0%	129,471	294,110	-56.0%
EFX/SF CROSS RATES	0	0	0.0%	11,613	33,979	-65.8%	0	0	0.0%	79,406	178,347	-55.5%
E-MINI EURO FX	0	0	0.0%	91,207	127,992	-28.7%	0	0	0.0%	568,393	579,607	-1.9%
E-MINI JAPANESE YEN	0	0	0.0%	7,023	23,614	-70.3%	0	0	0.0%	40,416	132,060	-69.4%
EURO FX	0	0	0.0%	3,357,827	2,890,607	16.2%	0	36	-100.0%	16,298,674	18,795,914	-13.3%
HUNGARIAN FORINT (EC)	0	-	-	0	-	-	0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	0	0.0%	1	30	-96.7%	0	0	0.0%	61	57	7.0%
INDIAN RUPEE	0	0	0.0%	12,237	16,077	-23.9%	0	0	0.0%	63,765	114,094	-44.1%
JAPANESE YEN	0	0	0.0%	2,203,850	1,515,090	45.5%	0	0	0.0%	8,613,350	12,880,625	-33.1%
KOREAN WON	0	0	0.0%	1,723	359	379.9%	0	0	0.0%	7,732	2,255	242.9%
MEXICAN PESO	0	0	0.0%	756,929	854,429	-11.4%	0	0	0.0%	4,387,568	5,425,543	-19.1%
MICRO AUD/USD	0	0	0.0%	198,181	262,277	-24.4%	0	0	0.0%	994,518	828,216	20.1%
MICRO CAD/USD	0	0	0.0%	49,130	29,321	67.6%	0	0	0.0%	189,814	100,091	89.6%
MICRO CHF/USD	0	0	0.0%	6,733	1,223	450.5%	0	0	0.0%	38,704	15,140	155.6%
MICRO EUR/USD	0	0	0.0%	407,013	422,514	-3.7%	0	0	0.0%	2,143,973	1,534,675	39.7%
MICRO GBP/USD	0	0	0.0%	69,348	45,599	52.1%	0	0	0.0%	280,531	192,672	45.6%
MICRO INR/USD	0	0	0.0%	2,094	1,956	7.1%	0	0	0.0%	9,250	11,417	-19.0%
MICRO JPY/USD	0	0	0.0%	30,782	27,085	13.6%	0	0	0.0%	121,749	141,220	-13.8%
MICRO USD/CNH	0	-	-	3	-	-	0	-	-	7	-	-
NEW ZEALND DOLLAR	0	0	0.0%	458,788	433,157	5.9%	0	0	0.0%	2,480,668	2,629,505	-5.7%
NKR/USD CROSS RATE	0	0	0.0%	3,968	1,605	147.2%	0	0	0.0%	18,612	24,846	-25.1%
POLISH ZLOTY (EC)	0	0	0.0%	47	20	135.0%	0	0	0.0%	562	167	236.5%
POLISH ZLOTY (US)	0	0	0.0%	380	319	19.1%	0	0	0.0%	4,223	2,587	63.2%
RMB USD	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
RUSSIAN RUBLE	0	0	0.0%	83,722	98,006	-14.6%	0	0	0.0%	388,683	500,417	-22.3%
S.AFRICAN RAND	0	0	0.0%	32,603	73,400	-55.6%	0	0	0.0%	199,566	296,592	-32.7%

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FX Futures												
SF/JY CROSS RATES	0	0	0.0%	40	8	400.0%	0	0	0.0%	114	157	-27.4%
SHEKEL	0	0	0.0%	1	0	0.0%	0	0	0.0%	11	90	-87.8%
SKR/USD CROSS RATES	0	0	0.0%	3,872	2,028	90.9%	0	0	0.0%	17,038	16,691	2.1%
SWISS FRANC	0	0	0.0%	397,325	379,096	4.8%	0	0	0.0%	1,900,096	2,778,684	-31.6%
TURKISH LIRA	0	0	0.0%	4	0	0.0%	0	0	0.0%	8	13	-38.5%
USDZAR	0	0	0.0%	4	0	0.0%	0	0	0.0%	49	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	657	568	15.7%	0	0	0.0%	1,939	1,077	80.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	99	362	-72.7%	0	0	0.0%	1,531	431	255.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	204	17	1,100.0%	0	0	0.0%	1,842	409	350.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	661	180	267.2%	0	0	0.0%	1,852	180	928.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	103	-77.7%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	44,003	69,324	-36.5%	0	0	0.0%	180,520	388,276	-53.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	136	2,925	-95.4%	0	0	0.0%	958	3,015	-68.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,219	1,685	-27.7%	0	0	0.0%	6,592	25,175	-73.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,831	3,777	-51.5%	0	0	0.0%	10,120	19,002	-46.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,287	3,000	9.6%	0	0	0.0%	14,211	19,283	-26.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,482	959	54.5%	0	0	0.0%	3,069	5,764	-46.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,077	1,139	-5.4%	0	0	0.0%	4,084	5,974	-31.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	517	820	-37.0%	0	0	0.0%	3,194	5,471	-41.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	133	321	-58.6%	0	0	0.0%	2,122	5,201	-59.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	541	1,573	-65.6%	0	0	0.0%	4,498	7,893	-43.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	1,023	-100.0%	0	0	0.0%	564	3,619	-84.4%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	640	17	3,664.7%	0	0	0.0%	1,626	106	1,434.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	692	105	559.0%	0	0	0.0%	3,524	506	596.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	674	0	0.0%	0	0	0.0%	2,639	101	2,512.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	305	259	17.8%	0	0	0.0%	1,261	391	222.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	343	12	2,758.3%	0	0	0.0%	2,028	246	724.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	612	102	500.0%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	52,852	47,592	11.1%	0	430	-100.0%	198,332	222,793	-11.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	13	5,844	-99.8%	0	0	0.0%	6,368	5,965	6.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,257	2,832	-55.6%	0	0	0.0%	11,770	28,900	-59.3%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,233	4,121	27.0%	0	0	0.0%	23,057	26,007	-11.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,908	7,529	-21.5%	0	0	0.0%	26,737	29,041	-7.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,968	822	382.7%	0	0	0.0%	9,870	11,430	-13.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	564	402	40.3%	0	0	0.0%	3,913	7,120	-45.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	661	741	-10.8%	0	0	0.0%	4,910	8,623	-43.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	599	2,204	-72.8%	0	0	0.0%	4,298	8,493	-49.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,078	2,350	-11.6%	0	0	0.0%	3,629	9,646	-62.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	3,914	-100.0%	0	0	0.0%	1,221	5,417	-77.5%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	7,136	1,884	278.8%	0	0	0.0%	17,358	15,858	9.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	20	35	-42.9%	0	0	0.0%	56	37	51.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	18	34	-47.1%	0	0	0.0%	672	659	2.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	678	84	707.1%	0	0	0.0%	1,154	690	67.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	420	36	1,066.7%	0	0	0.0%	1,877	515	264.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	17	1	1,600.0%	0	0	0.0%	22	842	-97.4%
EUR/GBP MONTHLY OPTIONS	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	-	-	0	-	-	0	-	-	0	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	1,693	901	87.9%	0	0	0.0%	5,520	1,995	176.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,717	284	504.6%	0	0	0.0%	4,800	1,372	249.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	572	296	93.2%	0	0	0.0%	1,234	2,078	-40.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,540	646	138.4%	0	0	0.0%	8,210	1,763	365.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,587	1,609	-1.4%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	194,950	199,099	-2.1%	0	1,550	-100.0%	821,848	1,441,644	-43.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	200	10,098	-98.0%	0	0	0.0%	11,898	10,582	12.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,103	3,393	-38.0%	0	62	-100.0%	38,363	98,626	-61.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,337	11,259	54.0%	0	0	0.0%	79,841	95,798	-16.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,365	10,202	40.8%	0	0	0.0%	63,616	98,985	-35.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,252	847	1,936.8%	0	0	0.0%	33,497	23,277	43.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	10,706	1,511	608.5%	0	0	0.0%	25,806	37,468	-31.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,190	3,591	72.4%	0	0	0.0%	27,196	38,184	-28.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,597	3,127	206.9%	0	0	0.0%	29,516	33,972	-13.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,651	2,051	273.0%	0	0	0.0%	33,837	32,957	2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	4,743	-100.0%	0	0	0.0%	5,639	14,285	-60.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	495	175	182.9%	0	0	0.0%	1,188	794	49.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,305	465	180.6%	0	0	0.0%	1,681	467	260.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	126	240	-47.5%	0	0	0.0%	1,103	529	108.5%

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CME Exchange Volume Comparison Report - Monthly

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FX Options												
GBP/USD MONDAY OPTION W	0	0	0.0%	0	922	-100.0%	0	0	0.0%	492	922	-46.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	401	-0.2%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	59,984	62,283	-3.7%	0	64	-100.0%	294,985	383,048	-23.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	21	2,898	-99.3%	0	0	0.0%	1,768	3,255	-45.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,335	967	38.1%	0	0	0.0%	8,483	16,204	-47.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,156	1,570	37.3%	0	0	0.0%	10,169	12,382	-17.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,625	2,273	15.5%	0	0	0.0%	11,427	16,194	-29.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,138	567	277.1%	0	0	0.0%	3,486	6,696	-47.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,343	1,711	36.9%	0	0	0.0%	4,450	9,312	-52.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	480	1,096	-56.2%	0	0	0.0%	3,385	3,692	-8.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	965	1,022	-5.6%	0	0	0.0%	2,720	7,107	-61.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,556	40	6,290.0%	0	0	0.0%	4,497	4,575	-1.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	787	-100.0%	0	0	0.0%	1,655	5,190	-68.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	276	69	300.0%	0	0	0.0%	1,637	2,268	-27.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	168	512	-67.2%	0	0	0.0%	1,075	1,209	-11.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	108	107	0.9%	0	0	0.0%	837	1,040	-19.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	754	-100.0%	0	0	0.0%	517	1,235	-58.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.0%	0	0	0.0%	313	152	105.9%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	60,374	120,860	-50.0%	0	727	-100.0%	311,907	696,640	-55.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3	5,570	-99.9%	0	0	0.0%	8,167	5,684	43.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,613	3,129	-48.4%	0	0	0.0%	17,094	58,830	-70.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,216	6,007	3.5%	0	0	0.0%	36,914	64,591	-42.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,951	9,469	-26.6%	0	0	0.0%	30,549	53,033	-42.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,219	832	887.9%	0	0	0.0%	16,475	16,414	0.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,210	1,742	84.3%	0	0	0.0%	9,566	28,372	-66.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,024	1,806	67.4%	0	0	0.0%	11,199	20,759	-46.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,489	3,319	-25.0%	0	0	0.0%	8,977	26,603	-66.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,443	2,434	0.4%	0	0	0.0%	10,692	29,399	-63.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,070	-100.0%	0	0	0.0%	2,493	6,294	-60.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	294	259	13.5%	0	1,840	-100.0%	3,010	6,186	-51.3%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	1	-100.0%	0	0	0.0%	0	1	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	585	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%

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CME Exchange Volume Comparison Report - Monthly

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FX Options												
NZD/USD MONTHLY OPTIONS	0	0	0.0%	27	0	0.0%	0	0	0.0%	292	4,351	-93.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	375	-100.0%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RUB/USD MONTHLY OPTIONS	0	-	-	0	-	-	0	-	-	68	-	-
Foreign Exchange Futures												
CHILEAN PESO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	146	454	-67.8%	0	0	0.0%	2,793	3,716	-24.8%

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Ag Products Futures												
BUTTER CS	0	0	0.0%	3,728	6,459	-42.3%	0	0	0.0%	17,134	30,276	-43.4%
CASH-SETTLED CHEESE	0	0	0.0%	12,592	16,060	-21.6%	0	0	0.0%	50,489	60,346	-16.3%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,138,635	1,202,083	-5.3%	0	2,592	-100.0%	4,928,557	6,450,742	-23.6%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CLASS IV MILK	0	0	0.0%	724	2,252	-67.9%	0	65	-100.0%	2,442	13,947	-82.5%
DRY WHEY	0	0	0.0%	3,090	924	234.4%	0	0	0.0%	9,768	7,066	38.2%
FEEDER CATTLE	0	0	0.0%	286,364	227,851	25.7%	0	54	-100.0%	1,004,328	1,262,565	-20.5%
GOLDMAN SACHS	0	0	0.0%	9,364	17,991	-48.0%	0	0	0.0%	49,308	74,934	-34.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	44	-100.0%	0	0	0.0%	75	44	70.5%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	867,015	1,193,560	-27.4%	0	1,940	-100.0%	3,686,747	4,896,767	-24.7%
HOUSING INDEX	0	0	0.0%	21	50	-58.0%	0	0	0.0%	51	183	-72.1%
LUMBER	0	0	0.0%	11,803	9,124	29.4%	0	0	0.0%	37,876	54,933	-31.1%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	24,403	40,565	-39.8%	0	59	-100.0%	97,079	134,528	-27.8%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	5,377	8,989	-40.2%	0	0	0.0%	24,115	45,417	-46.9%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-	-	0	-	-	0	-	-
PORK CUTOUT	0	-	-	1,919	-	-	0	-	-	15,688	-	-
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Ag Products Options												
BUTTER CS	0	0	0.0%	2,484	3,057	-18.7%	0	212	-100.0%	10,763	17,110	-37.1%
CASH-SETTLED CHEESE	0	0	0.0%	5,681	14,776	-61.6%	0	7,734	-100.0%	36,684	47,631	-23.0%
CATTLE	0	0	0.0%	210,393	235,581	-10.7%	0	59,913	-100.0%	804,587	1,060,010	-24.1%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CLASS IV MILK	0	0	0.0%	3,306	6,782	-51.3%	0	1,082	-100.0%	12,165	30,074	-59.5%
DRY WHEY	0	0	0.0%	744	604	23.2%	0	119	-100.0%	1,234	2,574	-52.1%
FEEDER CATTLE	0	0	0.0%	27,214	24,717	10.1%	0	4,252	-100.0%	84,840	129,845	-34.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	-	-	0	-	-	0	-	-	0	-	-
HOGS	0	0	0.0%	157,997	317,867	-50.3%	0	34,430	-100.0%	718,015	1,337,531	-46.3%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	0	0.0%	883	641	37.8%	0	0	0.0%	3,152	4,755	-33.7%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	25,424	66,071	-61.5%	0	3,323	-100.0%	116,874	189,146	-38.2%
MLK MID OPTIONS	0	0	0.0%	6	2	200.0%	0	31	-100.0%	9	13	-30.8%
NFD MILK	0	0	0.0%	3,464	8,205	-57.8%	0	494	-100.0%	15,589	40,594	-61.6%
PORK CUTOUT	0	-	-	76	-	-	0	-	-	630	-	-
TOTAL FUTURES GROUP												
Interest Rate Futures	396,121	0	0.0%	39,770,410	40,029,318	-0.6%	1,713,253	2,619,681	-34.6%	208,650,619	260,789,142	-20.0%
Equity Index Futures	0	0	0.0%	81,269,944	85,880,485	-5.4%	0	33,712	-100.0%	389,161,239	394,865,195	-1.4%
FX Futures	0	0	0.0%	13,312,781	11,474,052	16.0%	0	36	-100.0%	62,847,897	74,141,634	-15.2%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	2,365,035	2,725,952	-13.2%	0	4,710	-100.0%	9,923,657	13,031,773	-23.9%
TOTAL FUTURES	396,121	0	0.0%	136,718,170	140,109,807	-2.4%	1,713,253	2,658,139	-35.5%	670,583,412	742,827,744	-9.7%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	11,109,515	12,313,126	-9.8%	0	1,658,011	-100.0%	50,587,504	72,798,538	-30.5%
Interest Rate Options	12,266,316	0	0.0%	5,304,522	28,710,949	-81.5%	52,300,148	60,939,677	-14.2%	27,894,088	96,179,150	-71.0%
FX Options	0	0	0.0%	597,740	656,495	-8.9%	0	4,673	-100.0%	2,580,132	4,303,845	-40.1%
Ag Products Options	0	0	0.0%	437,672	678,303	-35.5%	0	111,590	-100.0%	1,804,542	2,859,283	-36.9%
Foreign Exchange Options	0	0	0.0%	146	454	-67.8%	0	0	0.0%	2,793	3,716	-24.8%
TOTAL OPTIONS	12,266,316	0	0.0%	17,449,595	42,359,327	-58.8%	52,300,148	62,713,951	-16.6%	82,869,059	176,144,532	-53.0%
TOTAL COMBINED												
Interest Rate	12,662,437	0	0.0%	45,074,932	68,740,267	-34.4%	54,013,401	63,559,358	-15.0%	236,544,707	356,968,292	-33.7%
Equity Index	0	0	0.0%	92,379,459	98,193,611	-5.9%	0	1,691,723	-100.0%	439,748,743	467,663,733	-6.0%
FX	0	0	0.0%	13,910,521	12,130,547	14.7%	0	4,709	-100.0%	65,428,029	78,445,479	-16.6%
Foreign Exchange	0	0	0.0%	146	454	-67.8%	0	0	0.0%	2,793	3,716	-24.8%
Ag Products	0	0	0.0%	2,802,707	3,404,255	-17.7%	0	116,300	-100.0%	11,728,199	15,891,056	-26.2%
GRAND TOTAL	12,662,437	0	0.0%	154,167,765	182,469,134	-15.5%	54,013,401	65,372,090	-17.4%	753,452,471	918,972,276	-18.0%

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