

March 2022

Canada Market Structure Monthly

MARKET MICROSTRUCTURE OBSERVATIONS

- The average daily volume for TSX listed securities increased in March 2022 by 14% MoM to 911M shares although down 3% YoY. Liquidity conditions improved MoM while remaining near the 12-month low. Spread and volatility conditions worsened MoM setting a new 12-month high.
- For non-TSX listed securities, the average daily volume increased to 451M shares, representing a 7% increase MoM and a 54% drop YoY. Liquidity and volatility conditions improved MoM with volatility conditions near the 12-month low. This was offset against slight increases in spread conditions MoM.
- The MOC allocations as a percent of daily volume has increased YoY, driven mainly by the 18 October 2021 TSX MOC facility enhancements. For the S&P TSX Composite the 21-day median close allocation is now 3.8% up from 2.8% a year ago. (Study ending 29 March 2022).

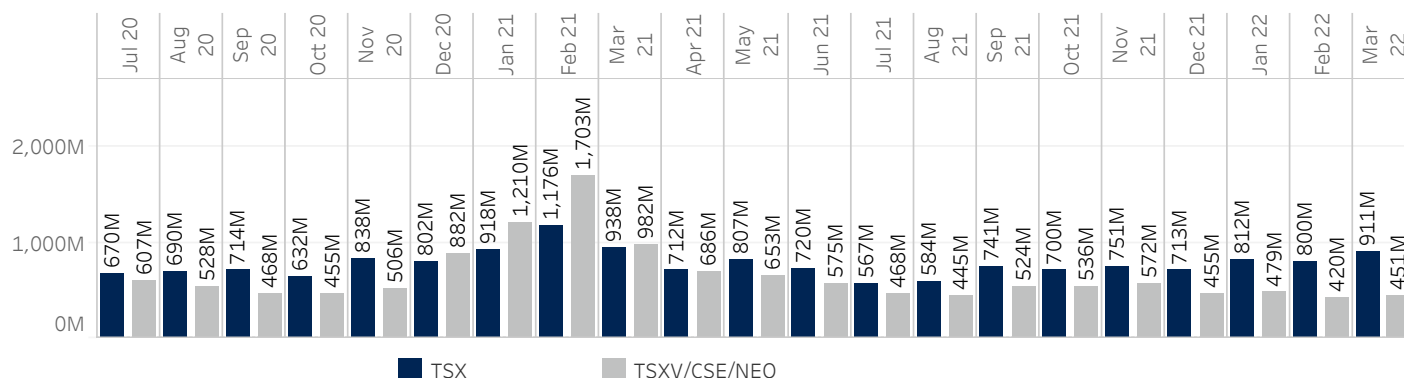
CANADA MARKET STRUCTURE NEWS

Approval of Enhancements to NEO Exchange's Closing Call Auction

NEO Exchange (NEO) will introduce a new volatility parameter, Closing Price Threshold, for all closing call eligible securities. NEO plans to roll out these enhancements for its closing call auction starting on 29 April 2022. The Closing Price Threshold will cap the volatility of a closing price move to 10% for NEO listed stocks >\$1 and 15% for stocks <\$1. The street welcomed this announcement and NEO's intention to mitigate the large swings in closing price that have occurred when NEO listed names are included in various index events.

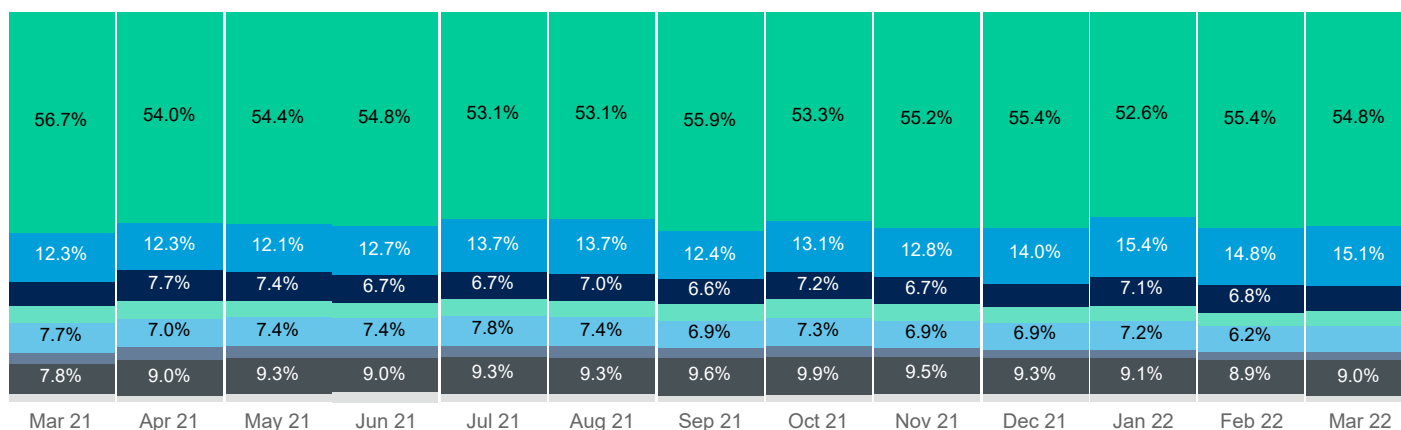


Average Daily Market Volume By Listing Exchange (Shares)

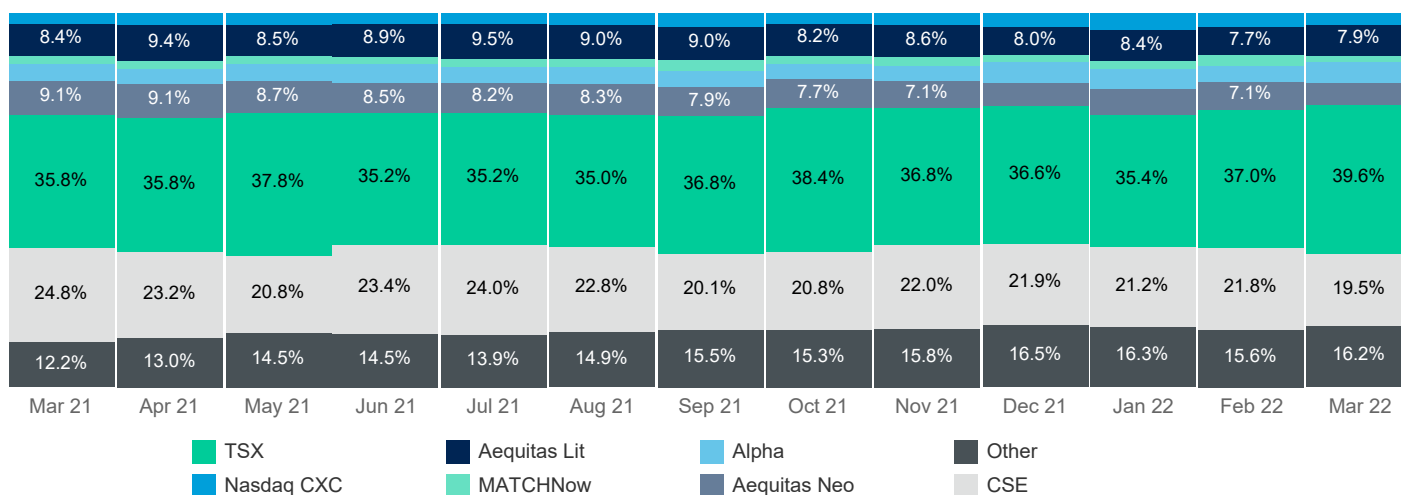


Source data: Virtu Financial

Venue Market Share (TSX-Listed)



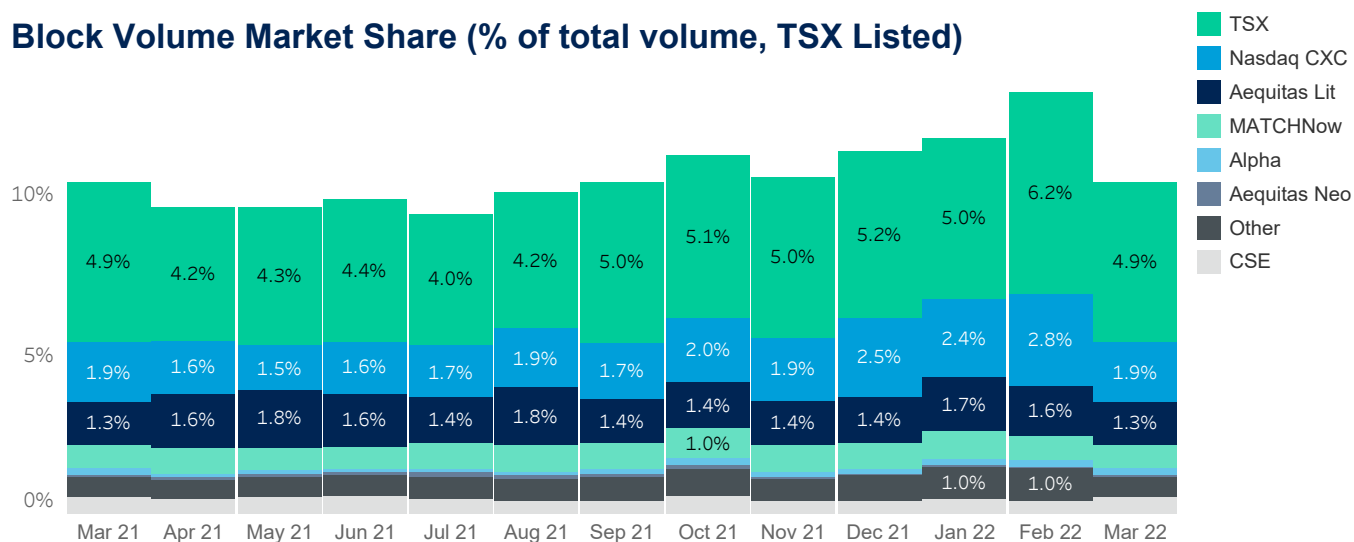
Venue Market Share (Non-TSX-Listed)



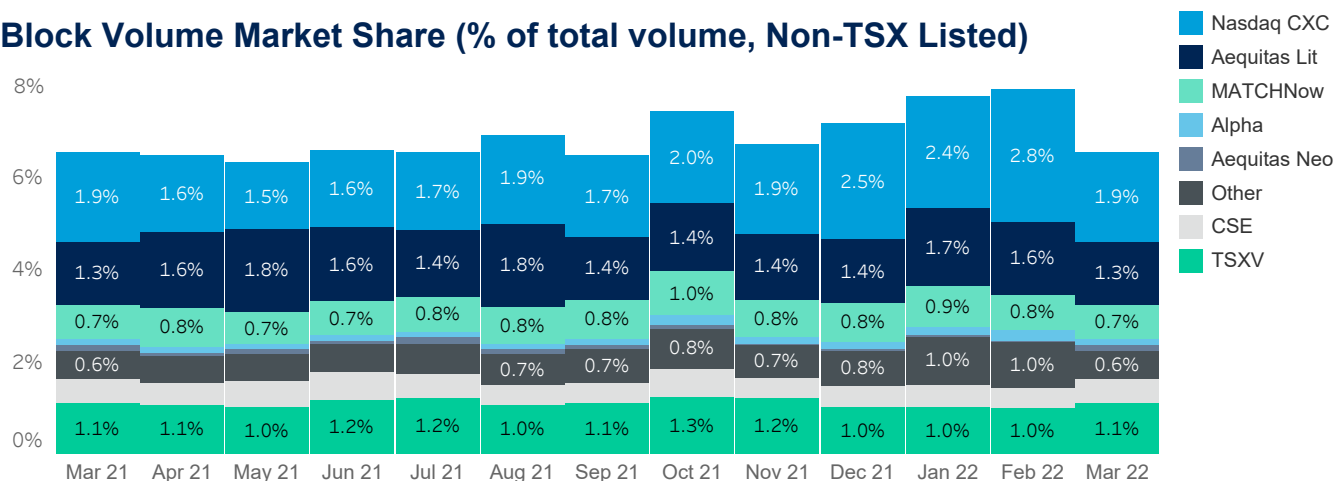
Source data: Virtu Financial



Block Volume Market Share (% of total volume, TSX Listed)

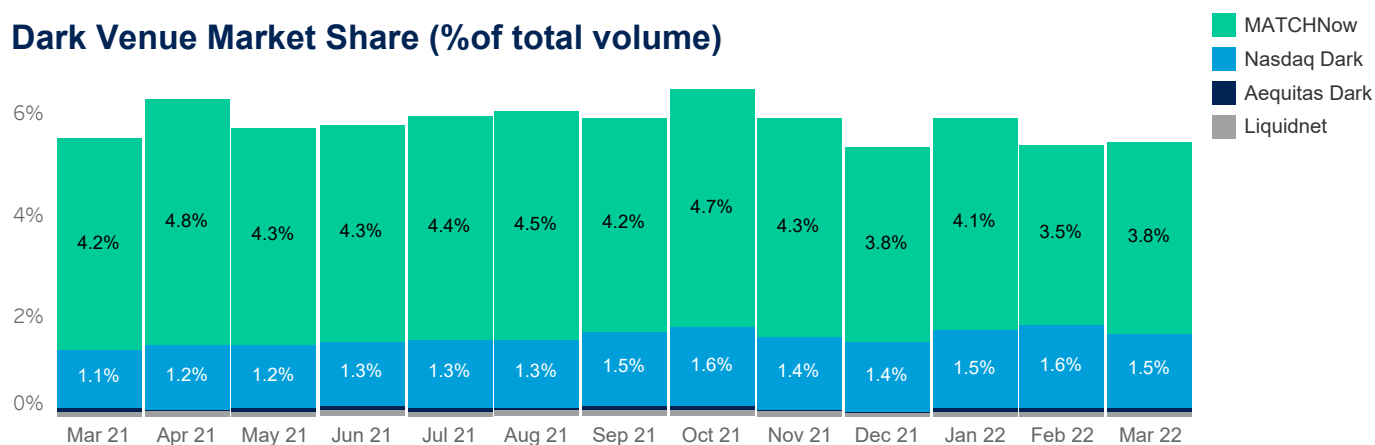


Block Volume Market Share (% of total volume, Non-TSX Listed)



Blocks defined as >5100 shares and > \$30,000 CAD or >=\$100K CAD; Source data: Virtu Financial

Dark Venue Market Share (% of total volume)



TSX listed securities only; Source data: Virtu Financial



Quotesize in Shares

		1Q 21		2Q 21			3Q 21			4Q 21			1Q 22		
		Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Dec 21	Jan 22	Feb 22	Mar 22	
First 30 Min	S&P/TSX 60	779	834	811	880	841	862	912	887	836	866	818	759	800	
	S&P/TSX Composite	897	958	958	1,082	991	1,019	1,063	1,089	994	1,050	978	888	949	
	Non-TSX-Listed	9,500	8,203	8,492	7,778	6,394	5,729	6,073	6,360	6,702	5,071	5,189	5,000	6,079	
Mid Day	S&P/TSX 60	952	1,031	1,015	1,108	1,038	1,050	1,093	1,094	1,020	1,005	968	921	952	
	S&P/TSX Composite	1,108	1,182	1,211	1,329	1,211	1,250	1,286	1,322	1,221	1,230	1,173	1,099	1,138	
	Non-TSX-Listed	7,403	6,381	6,481	5,900	5,000	4,600	4,900	5,292	5,000	4,165	4,050	4,265	5,300	
Last 30 Min	S&P/TSX 60	1,156	1,280	1,242	1,319	1,239	1,253	1,299	1,274	1,217	1,127	1,068	1,009	1,036	
	S&P/TSX Composite	1,313	1,429	1,492	1,580	1,448	1,474	1,507	1,527	1,457	1,432	1,348	1,276	1,321	
	Non-TSX-Listed	8,832	7,381	7,992	7,111	6,033	5,600	5,904	6,383	5,900	5,000	4,774	4,625	5,606	

Spread Bps

First 30 Min	S&P/TSX 60	5.9	5.1	5.3	4.7	5.1	4.8	4.9	4.9	5.4	5.4	5.6	5.6	5.9
	S&P/TSX Composite	12.9	12.0	11.7	10.7	11.7	11.2	10.9	10.5	10.7	11.3	11.2	11.3	11.7
	Non-TSX-Listed	175.0	171.5	175.1	166.7	174.0	164.9	170.1	170.5	163.9	175.4	172.4	163.1	175.4
Mid Day	S&P/TSX 60	3.8	3.4	3.3	3.2	3.4	3.2	3.2	3.3	3.4	3.4	3.5	3.4	3.6
	S&P/TSX Composite	8.0	7.1	7.2	6.7	7.0	6.9	6.8	7.0	7.2	7.4	7.6	7.5	7.4
	Non-TSX-Listed	134.3	134.9	136.7	135.1	132.3	125.0	128.2	128.6	123.2	122.0	124.2	122.2	132.7
Last 30 Min	S&P/TSX 60	3.2	2.9	2.8	2.6	2.7	2.5	2.5	2.5	2.7	2.9	2.8	2.8	2.7
	S&P/TSX Composite	7.0	6.5	6.3	5.8	6.0	6.0	5.8	6.0	6.1	6.4	6.5	6.6	6.3
	Non-TSX-Listed	135.4	133.3	135.8	133.4	131.6	124.3	129.9	126.8	123.5	125.7	125.5	125.5	133.3

One Minute Volatility Bps

First 30 Min	S&P/TSX 60	14.9	10.9	12.8	10.5	10.7	11.0	11.9	11.7	11.6	13.3	13.9	13.8	15.4
	S&P/TSX Composite	19.8	14.8	18.0	14.2	15.2	15.2	15.6	15.3	15.1	17.5	17.8	17.8	19.0
	Non-TSX-Listed	26.4	18.2	19.0	16.7	17.7	18.0	19.6	17.5	19.9	24.0	24.1	22.7	18.6
Mid Day	S&P/TSX 60	5.2	3.5	3.7	3.1	3.5	3.3	3.7	3.4	3.5	4.4	5.2	4.9	5.3
	S&P/TSX Composite	6.4	3.8	4.4	3.4	3.9	3.4	3.9	3.7	3.9	4.7	5.7	5.5	6.0
	Non-TSX-Listed	9.4	5.7	5.8	5.0	6.1	5.7	6.3	5.8	5.8	7.1	9.2	7.1	6.3
Last 30 Min	S&P/TSX 60	5.1	3.6	4.1	3.4	3.6	3.1	3.5	3.3	3.4	4.5	5.2	5.4	5.2
	S&P/TSX Composite	5.9	3.8	4.4	3.4	3.4	2.9	3.4	3.2	3.4	4.5	5.1	5.3	5.2
	Non-TSX-Listed	8.0	6.6	5.4	4.4	5.4	5.2	6.8	4.9	4.9	6.7	8.6	6.2	5.6

Percent MDV by Time of Day

Open	S&P/TSX 60	0.6%	0.6%	0.6%	0.6%	0.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
	S&P/TSX Composite	0.5%	0.5%	0.6%	0.5%	0.6%	0.5%	0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%
	Non-TSX-Listed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
First 30 Min	S&P/TSX 60	12.0%	12.7%	14.4%	13.8%	13.1%	13.2%	14.5%	14.1%	14.3%	13.5%	12.8%	13.4%	13.4%
	S&P/TSX Composite	13.0%	13.1%	14.6%	13.6%	14.0%	13.8%	14.2%	14.1%	14.3%	13.3%	12.5%	13.4%	13.8%
	Non-TSX-Listed	19.2%	18.7%	18.7%	19.4%	19.0%	17.9%	18.4%	18.8%	19.4%	17.3%	17.4%	17.5%	17.1%
Last 30 Min	S&P/TSX 60	31.1%	32.4%	33.8%	36.9%	32.0%	29.8%	31.8%	29.7%	31.5%	34.2%	33.5%	35.1%	34.8%
	S&P/TSX Composite	22.1%	24.0%	24.3%	24.7%	24.9%	22.4%	22.8%	22.1%	23.5%	25.2%	23.2%	26.2%	25.5%
	Non-TSX-Listed	10.1%	9.3%	9.1%	9.3%	9.0%	8.7%	8.7%	8.1%	8.3%	8.0%	8.4%	8.9%	8.2%
Close	S&P/TSX 60	11.3%	9.7%	6.6%	7.0%	7.0%	6.4%	6.6%	7.3%	6.4%	6.9%	6.7%	7.8%	6.9%
	S&P/TSX Composite	3.7%	4.2%	3.7%	3.7%	4.2%	3.2%	3.2%	3.8%	3.7%	3.7%	3.6%	4.0%	3.9%
	Non-TSX-Listed	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

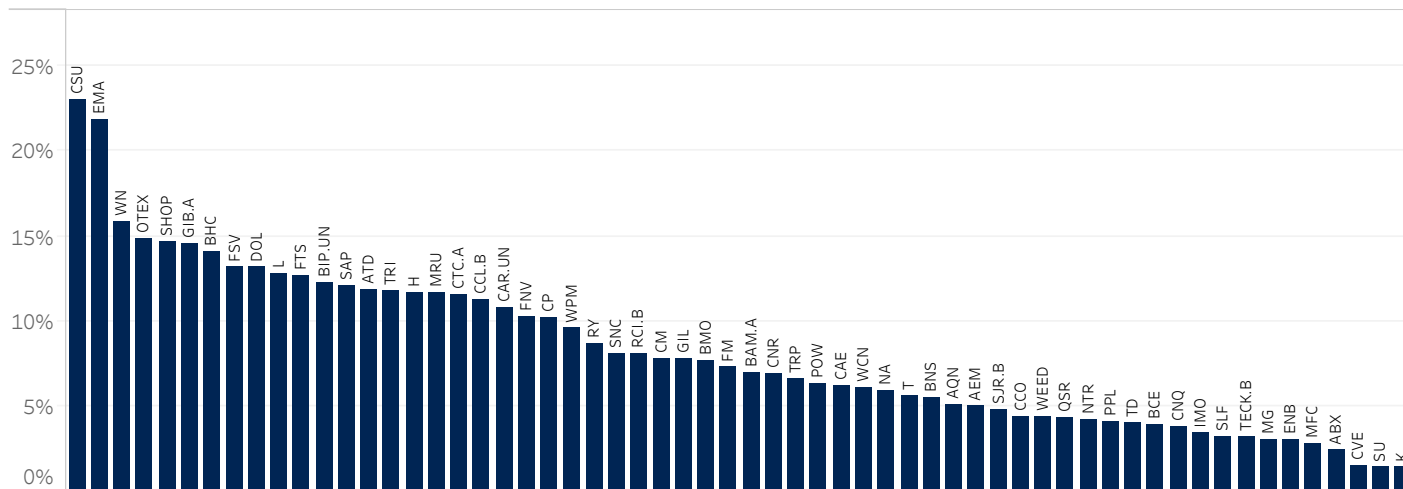
Median used for all metrics

One minute volatility is calculated using the difference between the high and low price within a one minute time bin, divided by that bin's VWAP

Source data: Virtu Financial



March 2022 Median MOC % of Daily Volume - S&P/TSX 60



Source data: Virtu Financial



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