

# Jun 2023 CA Market Structure Monthly

#### MICROSTRUCTURE OBSERVATIONS

- In June 2023, the average daily volume for TSX listed securities was 542 million shares, down 3% compared to May 2023 and down 32% compared to June 2022. While volatility conditions improved, liquidity and spread conditions were unchanged compared to May 2023.
- In non-TSX listed securities, the average daily volume was 260 million shares in June 2023, down 2% compared to May 2023 and down 10% compared to June 2022. While volatility conditions improved, liquidity and spread conditions deteriorated compared to May 2023.
- TSX-listed block volumes increased in June 2023 compared to May 2023, continuing a recent trend, and approaching a 12-month high of 14%. Dark market volumes remained unchanged in June 203 compared to the prior month.

#### CA MARKET STRUCTURE NEWS

#### **CIRO Publishes 2024 Priorities**

On June 1, the Canadian Investment Regulatory Organization (CIRO) released its Fiscal Year 2024 Annual Priorities. The focus for the fiscal year: April 2023 – March 2024 will be on developing a CIRO brand, promoting investor protection initiatives, the harmonization of their regulatory approach, and supporting industry transformation.

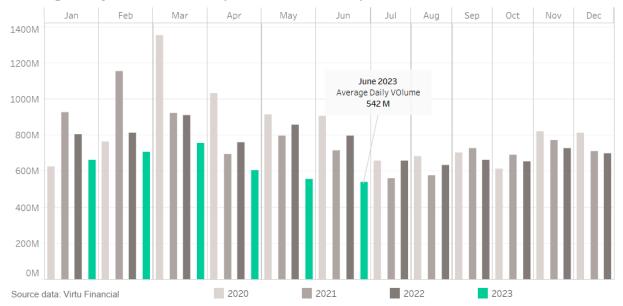
Consult the link below for further details on the 8 priority areas.

https://www.ciro.ca/news-room/publications/ciro-publishes-2024-priorities

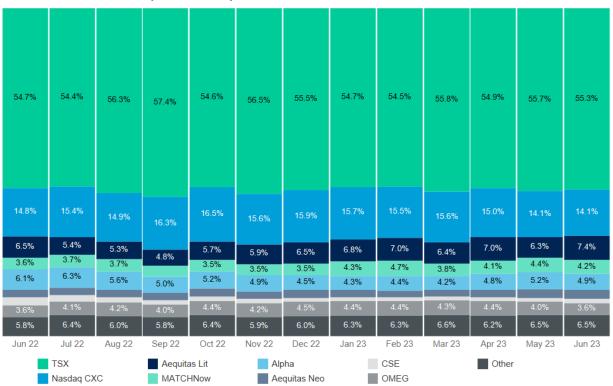
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### Average Daily Market Volume (Shares, TSX Listed)



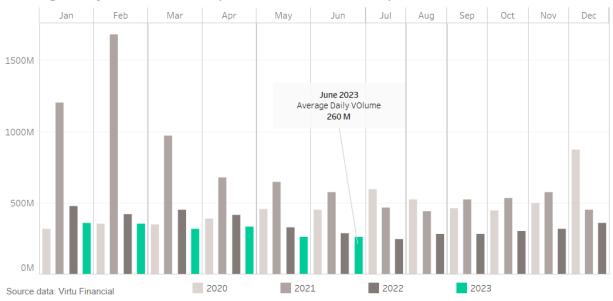
### **Venue Market Share (TSX Listed)**



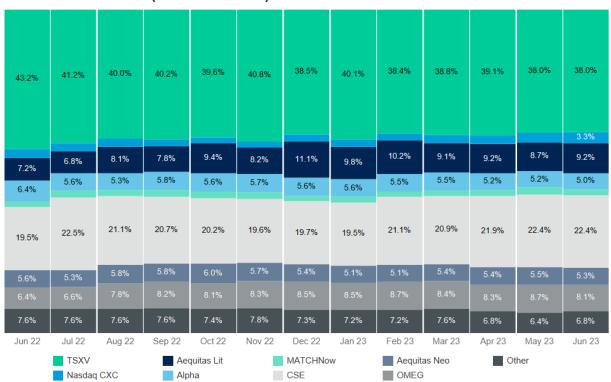
Source data: Virtu Financial



### Average Daily Market Volume (Shares, Non-TSX Listed)

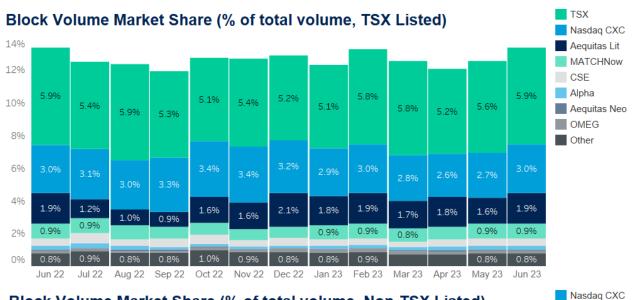


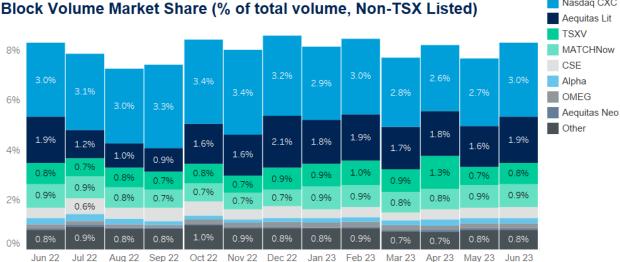
### **Venue Market Share (Non-TSX Listed)**



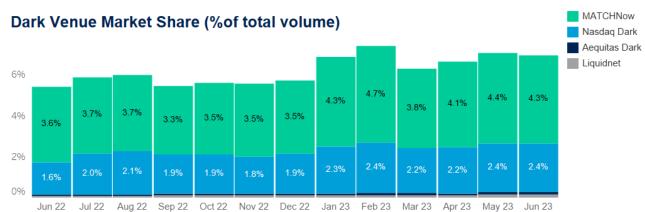
Source data: Virtu Financial







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



Mar 23

Apr 23 May 23 Jun 23

TSX listed securities only; Source data: Virtu Financial

Jun 22

Jul 22



#### **Quotesize in Shares**

|             |                   | 2Q 22  |        | 3Q 22  |        |        | 4Q 22  |        |        | 1Q 23  |        |        | 2Q 23  |        |
|-------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                   | Jun 22 | Jul 22 | Aug 22 | Sep 22 | Oct 22 | Nov 22 | Dec 22 | Jan 23 | Feb 23 | Mar 23 | Apr 23 | May 23 | Jun 23 |
|             | S&P/TSX 60        | 851    | 892    | 795    | 780    | 823    | 855    | 916    | 854    | 798    | 840    | 892    | 877    | 889    |
|             | S&P/TSX Composite |        | 1,105  | 965    | 944    | 1,022  | 1,046  | 1,097  | 1,117  | 997    | 1,049  | 1,114  | 1,075  | 1,090  |
|             | Non-TSX-Listed    | 4,698  | 4,334  | 4,388  | 4,500  | 4,599  | 4,778  | 4,969  | 4,945  | 4,969  | 4,763  | 6,191  | 5,930  | 5,259  |
| Mid Day     | S&P/TSX 60        | 1,000  | 1,068  | 980    | 954    | 964    | 1,007  | 1,057  | 1,025  | 953    |        | 1,104  | 1,106  | 1,112  |
|             | S&P/TSX Composite | 1,243  | 1,305  | 1,182  | 1,164  | 1,212  | 1,269  | 1,317  | 1,345  | 1,213  | 1,286  | 1,415  | 1,352  | 1,359  |
|             | Non-TSX-Listed    | 4,748  | 4,459  | 4,771  | 4,609  | 4,418  | 4,419  | 4,650  | 4,650  | 4,475  | 4,462  | 5,649  | 5,629  | 5,000  |
| Last 30 Min | S&P/TSX 60        | 1,092  | 1,187  | 1,198  | 1,151  | 1,169  | 1,178  | 1,171  | 1,203  | 1,090  | 1,156  | 1,229  | 1,194  | 1,214  |
|             | S&P/TSX Composite | 1,368  | 1,407  | 1,398  | 1,382  | 1,468  | 1,490  |        | 1,553  | 1,410  | 1,493  | 1,589  | 1,531  | 1,535  |
|             | Non-TSX-Listed    | 4,752  | 4,428  | 4,486  | 4,394  | 4,158  | 4,417  | 4,605  | 4,598  | 4,653  | 4,846  | 6,000  | 5,761  | 5,017  |

# **Spread Bps**

| First 30 Min | S&P/TSX 60        | 6.0   | 6.6   | 6.1   | 6.1   | 6.5   | 6.6   | 6.2   |       | 6.1   | 6.1   | 5.3   | 6.2   | 6.3   |
|--------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | S&P/TSX Composite |       | 14.7  | 13.8  | 14.3  | 14.7  | 13.9  | 13.4  | 13.4  | 13.1  | 13.4  | 11.7  | 12.7  | 12.3  |
|              | Non-TSX-Listed    | 215.7 | 229.8 | 201.2 | 220.6 | 219.5 | 218.1 | 215.1 | 210.5 | 203.5 |       | 198.5 | 184.3 | 192.3 |
| Mid Day      | S&P/TSX 60        | 3.9   | 4.1   | 3.9   | 4.0   | 3.9   |       | 3.7   | 3.6   | 3.7   | 3.7   | 3.3   | 3.8   |       |
|              | S&P/TSX Composite | 8.3   | 8.6   | 8.1   | 8.7   | 8.6   | 8.3   |       | 8.4   | 8.4   | 8.2   | 7.6   | 8.2   | 8.0   |
|              | Non-TSX-Listed    | 152.7 | 163.9 | 143.0 | 148.3 | 151.6 | 156.4 | 156.9 | 149.3 | 137.0 |       | 138.9 | 125.9 | 130.7 |
| Last 30 Min  | S&P/TSX 60        | 3.0   | 3.0   |       | 3.0   | 2.9   | 2.9   | 2.8   | 2.8   | 2.9   | 2.9   | 2.6   | 2.8   | 2.8   |
|              | S&P/TSX Composite |       | 7.5   | 7.2   | 7.8   | 7.5   | 7.1   | 7.2   | 7.4   | 7.4   | 7.2   | 6.8   | 7.2   | 7.4   |
|              | Non-TSX-Listed    | 144.9 | 155.4 |       | 140.7 | 150.4 | 147.7 | 145.5 | 140.1 | 135.2 | 141.2 | 134.3 | 123.6 | 128.2 |

# **One Minute Volatility Bps**

| First 30 Min | S&P/TSX 60        | 15.5 | 15.9 | 13.9 | 14.2 | 16.9 | 14.2 | 13.5 | 11.9 | 12.1 | 13.6 | 11.0 | 11.8 | 10.6 |
|--------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|              | S&P/TSX Composite | 19.9 | 22.3 | 18.0 | 18.7 | 20.8 | 18.2 | 16.5 | 15.0 | 15.4 |      | 13.4 | 14.1 | 12.3 |
|              | Non-TSX-Listed    | 33.1 | 30.9 |      | 22.1 | 23.2 | 20.7 | 22.8 | 17.7 | 17.9 | 21.4 | 15.7 | 15.1 | 13.6 |
| Mid Day      | S&P/TSX 60        | 5.8  | 5.3  | 4.6  | 5.9  | 6.1  | 5.2  | 4.7  | 4.0  | 4.4  | 5.4  | 3.7  | 4.2  | 3.5  |
|              | S&P/TSX Composite | 6.8  | 6.0  |      | 6.3  | 6.5  | 5.6  | 4.8  | 4.1  | 4.4  | 5.7  | 3.5  | 3.9  | 2.9  |
|              | Non-TSX-Listed    | 9.7  | 8.0  |      | 6.9  | 7.3  | 6.3  | 5.7  | 4.5  | 5.3  | 7.3  | 5.0  | 4.8  | 4.4  |
| Last 30 Min  | S&P/TSX 60        | 5.8  | 5.1  | 4.3  | 5.8  | 5.6  | 5.1  |      | 4.0  | 4.7  | 5.2  | 3.8  | 4.3  | 3.8  |
|              | S&P/TSX Composite | 5.7  | 4.8  | 3.9  | 5.4  | 5.3  | 4.9  |      | 3.8  | 4.3  | 4.8  | 3.2  | 3.7  | 3.0  |
|              | Non-TSX-Listed    | 7.7  | 6.4  | 5.4  | 6.7  | 6.7  | 5.4  | 5.4  | 3.8  | 4.7  | 6.2  | 4.0  | 4.0  | 3.5  |

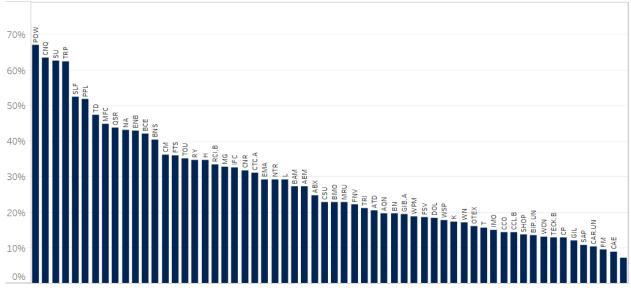
#### Percent MDV by Time of Day

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|-------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Open        | S&P/TSX 60        | 0.7%  | 0.5%  | 0.6%  | 0.5%  | 0.4%  | 0.5%  | 0.5%  | 0.5%  | 0.5%  |       | 0.5%  | 0.5%  | 0.5%  |
|             | S&P/TSX Composite | 0.5%  | 0.5%  | 0.5%  | 0.4%  | 0.4%  | 0.4%  | 0.4%  |       | 0.4%  | 0.4%  | 0.4%  | 0.4%  | 0.5%  |
|             | 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%  |
|             |                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
|             | S&P/TSX 60        | 12.4% | 13.0% | 13.1% | 9.6%  | 10.4% | 10.1% | 10.1% | 8.9%  | 9.7%  | 9.5%  | 9.4%  | 9.9%  | 11.1% |
|             | S&P/TSX Composite | 12.8% | 13.7% | 13.4% | 11.4% | 11.4% |       | 10.5% | 10.0% | 10.9% | 10.2% | 10.0% | 10.6% | 11.8% |
|             | Non-TSX-Listed    | 18.9% | 19.8% | 20.2% | 18.5% | 18.0% | 19.4% | 17.4% | 17.5% | 17.0% | 18.0% | 18.0% | 16.4% | 19.4% |
| Last 30 Min | S&P/TSX 60        | 40.9% |       | 36.8% |       | 31.5% | 33.1% | 36.7% | 34.7% | 36.0% | 37.2% | 39.9% | 35.1% | 45.8% |
|             | S&P/TSX Composite | 24.6% | 26.2% | 25.7% | 26.2% | 26.2% | 25.5% |       | 27.0% | 29.1% | 28.9% | 30.0% | 27.4% | 33.6% |
|             | Non-TSX-Listed    | 7.2%  | 6.7%  |       | 6.9%  | 6.3%  | 6.0%  | 6.2%  | 6.3%  | 7.4%  | 5.9%  | 7.8%  | 8.1%  | 10.1% |
|             |                   |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Close       | S&P/TSX 60        | 7.3%  | 7.5%  | 7.4%  | 16.0% | 12.3% | 12.8% | 18.2% | 15.2% | 18.5% | 18.1% | 19.3% | 13.8% | 21.9% |
|             | S&P/TSX Composite | 4.4%  | 4.5%  | 4.4%  | 6.5%  | 5.7%  | 6.3%  | 7.1%  |       | 8.1%  | 7.8%  | 9.1%  | 6.9%  | 9.6%  |
|             | 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%  |

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



#### June 2023 Median MOC % of Daily Volume - S&P/TSX 60



#### Source data: Virtu Financial

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