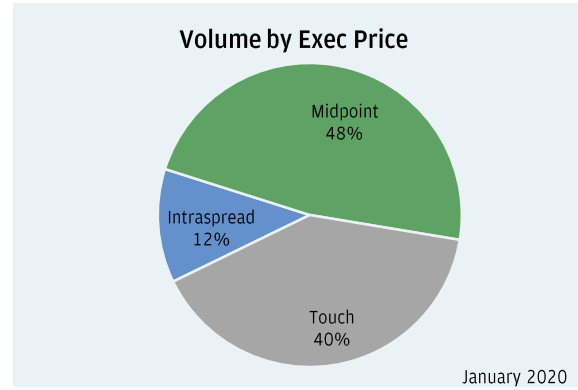


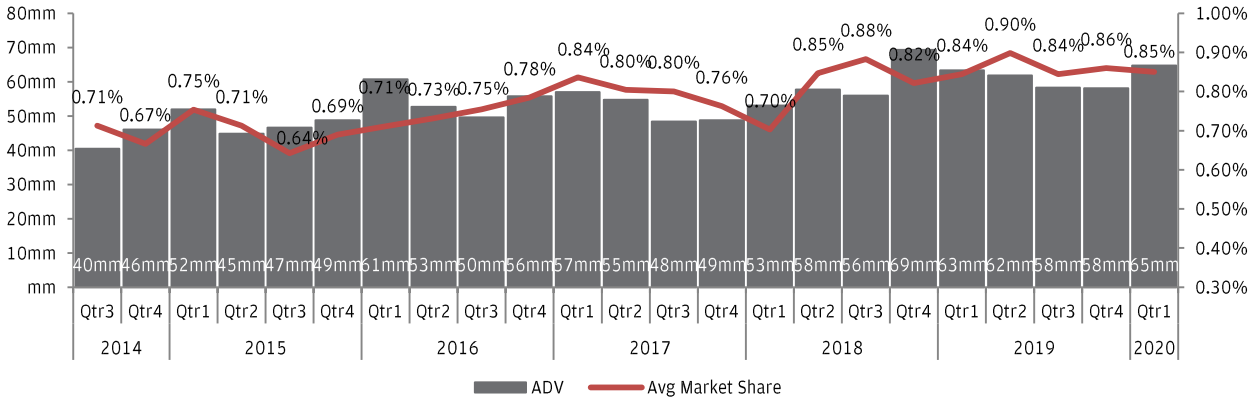
Features and Benefits

- Tier structure to support customizable crossing
- Conditional order support
- Price/Tier/Time priority matching
- Broad spectrum of J.P. Morgan liquidity
- Liquidity, speed, and execution quality
- Opportunity for price improvement
- Continuous crossing

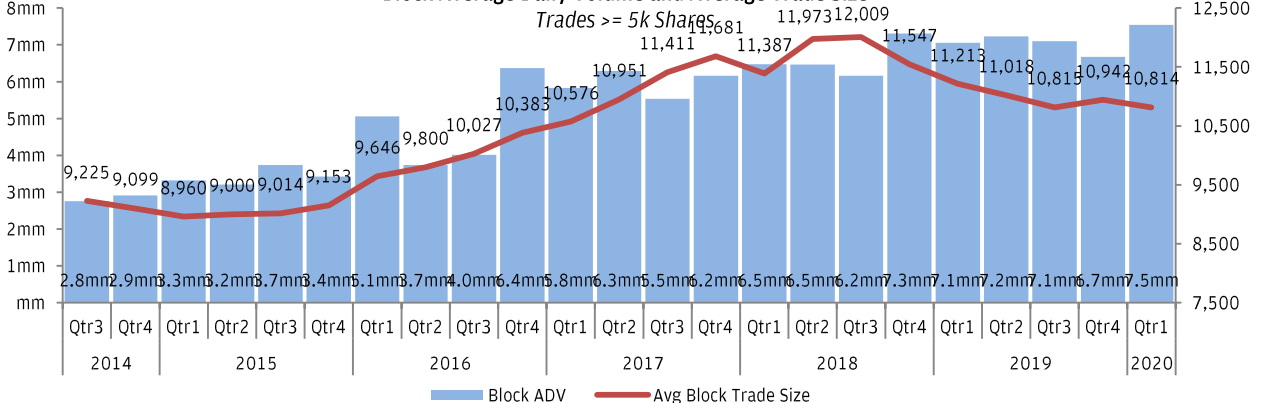
January 2020 JPM-X Statistics	
Average Daily Volume (single counted)	64.7 mm
Average Trade Size	163 shares
# of Symbols traded	6,763 unique symbols
% of Volume >= 5k shares	11.6% of Volume (7.5mm ADV)
Average Block Size (>= 5k shares)	10,813 shares



Average Daily Volume and Market Share



Block Average Daily Volume and Average Trade Size

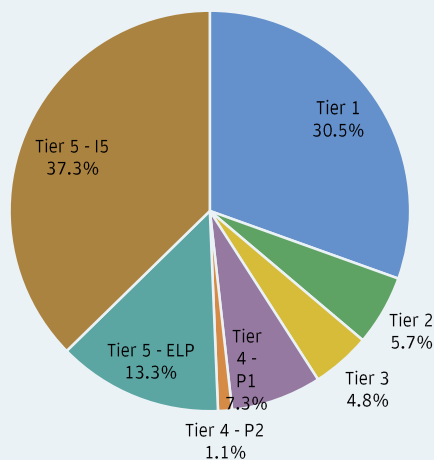


Order Flow Tiers

Our differentiated tiering structure allows clients to customize the order flow types with which they interact. Order flow types are used to tier the JPM-X order book.

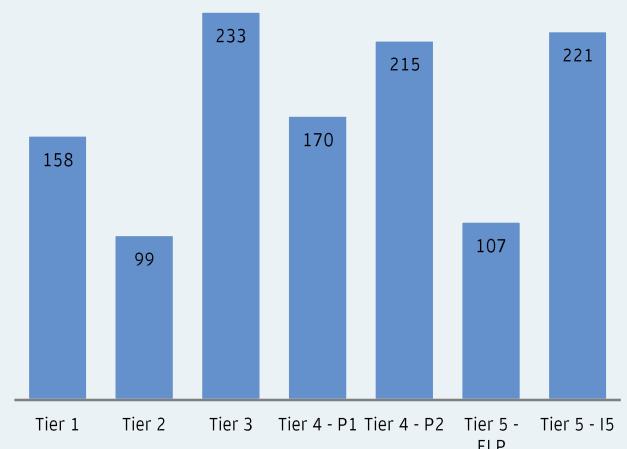
- **Tier 1 (Order Flow Type I-1):** Institutional investor client flow and JPMS affiliates' flow accessing JPM-X via algorithms/SOR
- **Tier 2 (Order Flow Type I-2):** Institutional investor client flow with direct access to JPM-X
- **Tier 3 (Order Flow Type I-3):** U.S. registered broker-dealer client flow (both agency and principal) accessing JPM-X via algorithms/SOR
- **Tier 4 (Order Flow Type P-1):** Internal (JPMS) principal trading desk flow accessing JPM-X via algorithms/SOR
- **Tier 4 (Order Flow Type P-2):** Internal (JPMS) electronic liquidity provider flow with direct access to JPM-X
- **Tier 5 (Order Flow Type I-4 / ELP):** Flow of external broker-dealers categorized as electronic liquidity providers with direct access to JPM-X
- **Tier 5 (Order Flow Type I-5):** Flow of external broker-dealers not categorized as electronic liquidity providers (both agency and principal) with direct access to JPM-X

Volume by Tier



January 2020

Average Trade Size (By Tier)



January 2020

Sources: JPMorgan Tick and Trade Data, BATS Market Volume Summary http://www.batstrading.com/market_summary

Please also see:

JPM-X FAQs: <https://www.jpmorgan.com/directdoc/jpmxfaq.pdf>

CONTACT ELECTRONIC CLIENT SOLUTIONS

1 212 622 2826

ecs-ny-desk@jpmorgan.com

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