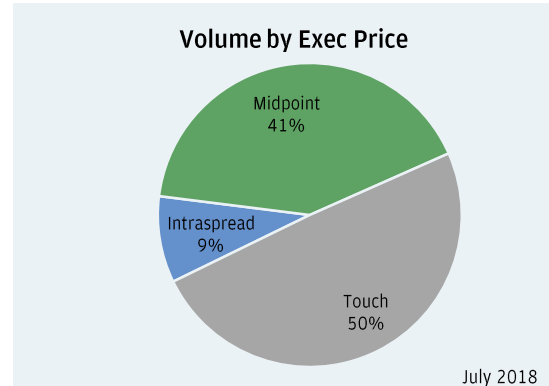


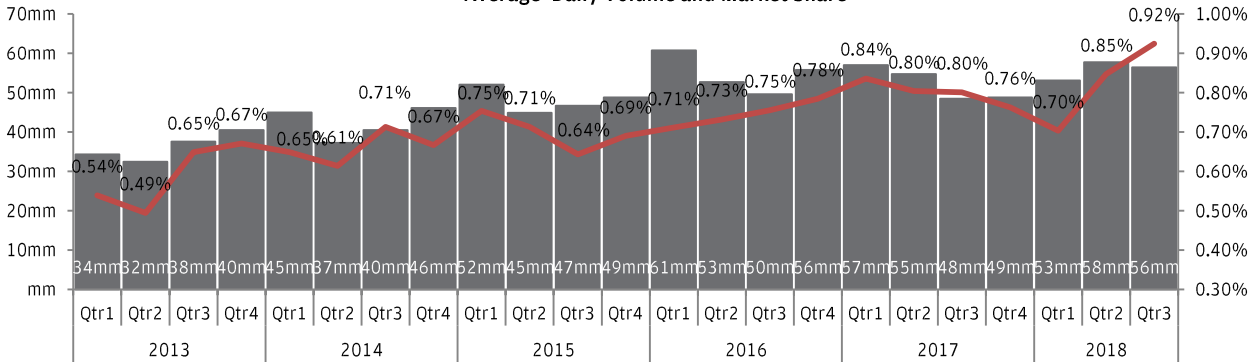
**Features and Benefits**

- 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

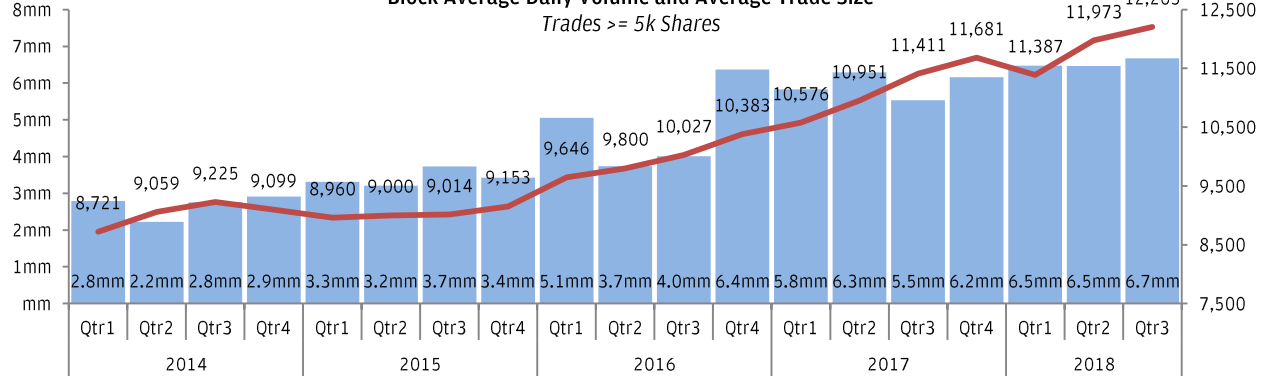
July 2018 JPM-X Statistics	
Average Daily Volume (single counted)	56.4mm
Average Trade Size	179 shares
# of Symbols traded	6,218 unique symbols
% of Volume >= 5k shares	11.8% of Volume (6.7 mm ADV)
Average Block Size (>= 5k shares)	12,204 shares



Average Daily Volume and Market Share



Block Average Daily Volume and Average Trade Size

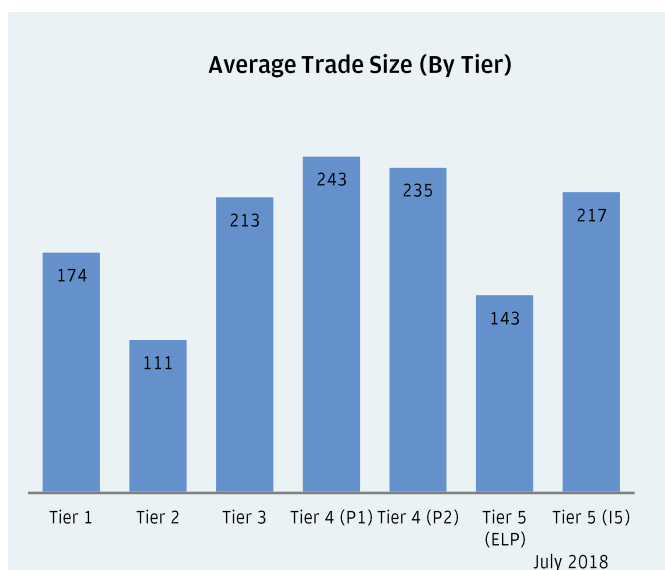
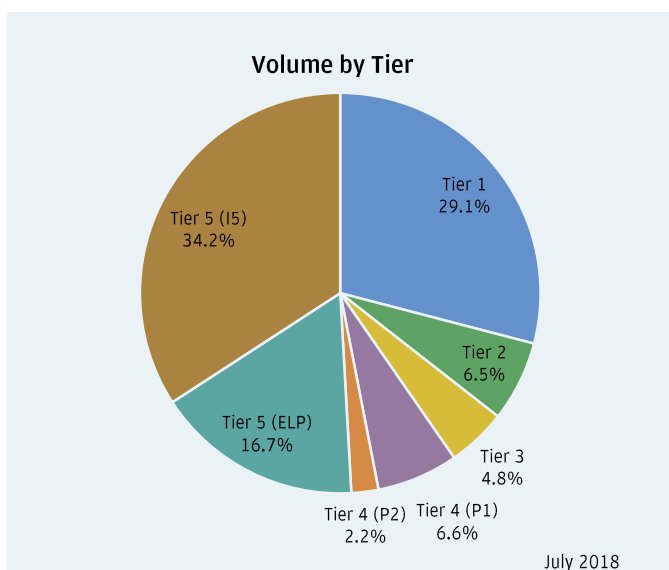


\*Average Block Trade Size calculation updated to volume-weighted average from day-weighted average in July 2018. The data has been backdated to reflect the change.

## 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:** Institutional investor client flow accessing JPM-X via algorithms or SOR
- **Tier 2:** Institutional investor client flow with direct access to JPM-X
- **Tier 3:** Broker-dealer client flow (both agency and principal) accessing JPM-X via algorithms or SOR
- **Tier 4 (P1):** JPMS trading desk flow accessing JPM-X via algorithms or SOR
- **Tier 4 (P2):** Internal (JPMS) electronic liquidity provider flow with direct access to JPM-X
- **Tier 5 (ELP):** Flow of external broker-dealers acting as electronic liquidity providers with direct access to JPM-X
- **Tier 5 (I5):** Flow of broker-dealers not acting as electronic liquidity providers (both agency and principal) with direct access to JPM-X



Sources: JPMorgan Tick and Trade Data, BATS Market Volume Summary [http://www.batstrading.com/market\\_summary](http://www.batstrading.com/market_summary)

Please also see:

**JPM-X Form ATS:** [https://www.jpmorgan.com/directdoc/ecs\\_form\\_ats.pdf](https://www.jpmorgan.com/directdoc/ecs_form_ats.pdf)

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

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