

2nd Quarter, 2025

April 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	97.83	0.09	0.30	1.79

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	30.47	30.99	0.00	1.75	42.86	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	24.15	24.21	0.00	0.00	54.76	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	23.52	24.38	100.00	3.51	0.00	0	0	0	0	0	0	0	0
HRT FINANCIAL LP(HRTF)	8.37	8.69	0.00	1.75	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	8.08	8.43	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	2.41	2.52	0.00	0.00	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	1.75	0.00	0.00	73.68	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.54	0.52	0.00	0.00	2.38	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	0.37	0.00	0.00	15.79	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.21	0.22	0.00	0.00	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

VIRTU Americas, LLC(NITE)

We currently have no payment for order flow arrangements with any execution venues.

G1 Execution Services, LLC(ETMM)

We currently have no payment for order flow arrangements with any execution venues.

HRT FINANCIAL LP(HRTF)

We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)

We currently have no payment for order flow arrangements with any execution venues.

Two Sigma Securities, LLC(SOHO)

We currently have no payment for order flow arrangements with any execution venues.

NASDAQ Execution Services, LLC(NSDQ)

We currently have no payment for order flow arrangements with any execution venues.

UBS Securities, LLC(UBSS)

We currently have no payment for order flow arrangements with any execution venues.

New York Stock Exchange(NYSE)

We currently have no payment for order flow arrangements with any execution venues.

Instinet BlockCross(BLKX)

We currently have no payment for order flow arrangements with any execution venues.

Non-S&P 500
Stocks
Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	99.23	0.28	0.13	0.36

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	31.57	31.66	35.71	0.00	47.06	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	24.13	24.30	28.57	4.35	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	22.11	22.11	21.43	0.00	52.94	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	9.05	9.15	0.00	0.00	0.00	0	0	0	0	0	0	0	0
HRT FINANCIAL LP(HRTF)	8.46	8.53	7.14	0.00	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	2.63	2.66	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	1.03	1.02	7.14	0.00	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.50	0.51	0.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	0.27	0.00	0.00	56.52	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	0.15	0.00	0.00	30.43	0.00	0	0	0	0	0	0	0	0

Material Aspectics:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

G1 Execution Services, LLC(ETMM)

We currently have no payment for order flow arrangements with any execution venues.

VIRTU Americas, LLC(NITE)

We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)

We currently have no payment for order flow arrangements with any execution venues.

HRT FINANCIAL LP(HRTF)

We currently have no payment for order flow arrangements with any execution venues.

Two Sigma Securities, LLC(SOHO)

We currently have no payment for order flow arrangements with any execution venues.

Instinet BlockCross(BLKX)

We currently have no payment for order flow arrangements with any execution venues.

UBS Securities, LLC(UBSS)

We currently have no payment for order flow arrangements with any execution venues.

New York Stock Exchange(NYSE)

We currently have no payment for order flow arrangements with any execution venues.

Cboe EDGX US Equities Exchange(EDGX)

We currently have no payment for order flow arrangements with any execution venues.

Option Contracts
Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	14.29	85.71	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Dash Financial Technologies LLC(DASH)	38.71	0.00	66.67	35.71	0.00	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG)	25.81	0.00	33.33	25.00	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	22.58	0.00	0.00	25.00	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	6.45	0.00	0.00	7.14	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	3.23	0.00	0.00	3.57	0.00	0	0	0	0	0	0	0	0
Morgan Stanley & Company LLC(MSCO)	3.23	0.00	0.00	3.57	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Dash Financial Technologies LLC(DASH)
We currently have no payment for order flow arrangements with any execution venues.

Citadel Securities LLC(CDRG)
We currently have no payment for order flow arrangements with any execution venues.

Wolverine Execution Services LLC(WEXX)
We currently have no payment for order flow arrangements with any execution venues.

Susquehanna Capital Group(SUSQ)
We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)
We currently have no payment for order flow arrangements with any execution venues.

Morgan Stanley & Company LLC(MSCO)
We currently have no payment for order flow arrangements with any execution venues.

May 2025

S&P 500 Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	92.50	0.00	0.32	7.17

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	34.35	34.28	0.00	0.00	47.32	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	22.17	20.55	0.00	2.56	50.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	21.49	23.66	0.00	2.56	0.00	0	0	0	0	0	0	0	0

HRT FINANCIAL LP(HRTF)	8.56	9.45	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	8.06	8.90	0.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	2.06	0.00	0.00	84.62	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.81	1.93	0.00	0.00	0.89	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	0.81	0.76	0.00	0.00	1.79	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.44	0.48	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	0.12	0.00	0.00	5.13	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

VIRTU Americas, LLC(NITE)

We currently have no payment for order flow arrangements with any execution venues.

G1 Execution Services, LLC(ETMM)

We currently have no payment for order flow arrangements with any execution venues.

HRT FINANCIAL LP(HRTF)

We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)

We currently have no payment for order flow arrangements with any execution venues.

New York Stock Exchange(NYSE)

We currently have no payment for order flow arrangements with any execution venues.

Two Sigma Securities, LLC(SOHO)

We currently have no payment for order flow arrangements with any execution venues.

UBS Securities, LLC(UBSS)

We currently have no payment for order flow arrangements with any execution venues.

Instinet BlockCross(BLKX)

We currently have no payment for order flow arrangements with any execution venues.

Cboe EDGX US Equities Exchange(EDGX)

May 2025

Non-S&P 500

Stocks

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	95.71	0.41	0.36	3.51

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	32.82	32.53	22.22	2.33	52.76	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	23.09	24.25	16.67	0.00	0.00	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	22.11	21.55	16.67	0.00	45.67	0	0	0	0	0	0	0	0
HRT FINANCIAL LP(HRTF)	9.27	9.71	11.11	0.00	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	8.37	8.74	16.67	0.00	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.85	1.95	0.00	0.00	0.00	0	0	0	0	0	0	0	0

UBS Securities, LLC(UBSS)	0.71	0.69	0.00	0.00	1.57	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	0.68	0.00	0.00	58.14	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.63	0.57	16.67	0.00	0.00	0	0	0	0	0	0	0	0
Cboe EDGX US Equities Exchange(EDGX)	0.22	0.00	0.00	18.60	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

G1 Execution Services, LLC(ETMM)

We currently have no payment for order flow arrangements with any execution venues.

VIRTU Americas, LLC(NITE)

We currently have no payment for order flow arrangements with any execution venues.

HRT FINANCIAL LP(HRTF)

We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)

We currently have no payment for order flow arrangements with any execution venues.

Two Sigma Securities, LLC(SOHO)

We currently have no payment for order flow arrangements with any execution venues.

UBS Securities, LLC(UBSS)

We currently have no payment for order flow arrangements with any execution venues.

NASDAQ Execution Services, LLC(NSDQ)

We currently have no payment for order flow arrangements with any execution venues.

Instinet BlockCross(BLKX)

We currently have no payment for order flow arrangements with any execution venues.

Cboe EDGX US Equities Exchange(EDGX)

We currently have no payment for order flow arrangements with any execution venues.

May 2025

Option Contracts

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	50.00	50.00	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	45.00	0.00	50.00	40.00	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	30.00	0.00	20.00	40.00	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	15.00	0.00	30.00	0.00	0.00	0	0	0	0	0	0	0	0
Wolverine Execution Services LLC(WEXX)	10.00	0.00	0.00	20.00	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

Dash Financial Technologies LLC(DASH)

We currently have no payment for order flow arrangements with any execution venues.

Susquehanna Capital Group(SUSQ)

We currently have no payment for order flow arrangements with any execution venues.

Wolverine Execution Services LLC(WEXX)

We currently have no payment for order flow arrangements with any execution venues.

June 2025

S&P 500 Stocks
Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	98.95	0.00	0.48	0.57

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	32.53	33.72	0.00	2.44	33.33	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	21.57	22.25	0.00	0.00	50.00	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	19.82	20.71	0.00	0.00	0.00	0	0	0	0	0	0	0	0
HRT FINANCIAL LP(HRTF)	15.12	15.80	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	4.33	4.53	0.00	0.00	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	3.50	0.00	0.00	92.68	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.75	1.73	0.00	2.44	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	1.20	1.16	0.00	0.00	16.67	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.09	0.10	0.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	0.09	0.00	0.00	2.44	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

VIRTU Americas, LLC(NITE)

We currently have no payment for order flow arrangements with any execution venues.

G1 Execution Services, LLC(ETMM)

We currently have no payment for order flow arrangements with any execution venues.

HRT FINANCIAL LP(HRTF)

We currently have no payment for order flow arrangements with any execution venues.

Jane Street Capital, LLC(JNST)

We currently have no payment for order flow arrangements with any execution venues.

NASDAQ Execution Services, LLC(NSDQ)

We currently have no payment for order flow arrangements with any execution venues.

Two Sigma Securities, LLC(SOHO)

We currently have no payment for order flow arrangements with any execution venues.

UBS Securities, LLC(UBSS)

We currently have no payment for order flow arrangements with any execution venues.

Instinet BlockCross(BLKX)

We currently have no payment for order flow arrangements with any execution venues.

New York Stock Exchange(NYSE)

We currently have no payment for order flow arrangements with any execution venues.

Non-S&P 500
Stocks
Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	98.57	0.18	0.26	1.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Citadel Securities LLC(CDRG)	34.81	35.29	20.00	0.00	38.46	0	0	0	0	0	0	0	0
VIRTU Americas, LLC(NITE)	22.54	22.39	40.00	1.89	61.54	0	0	0	0	0	0	0	0
G1 Execution Services, LLC(ETMM)	18.92	19.42	0.00	0.00	0.00	0	0	0	0	0	0	0	0
HRT FINANCIAL LP(HRTF)	14.56	14.94	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Jane Street Capital, LLC(JNST)	4.74	4.86	0.00	0.00	0.00	0	0	0	0	0	0	0	0
Two Sigma Securities, LLC(SOHO)	1.41	1.45	0.00	0.00	0.00	0	0	0	0	0	0	0	0
UBS Securities, LLC(UBSS)	1.34	1.34	10.00	0.00	0.00	0	0	0	0	0	0	0	0
NASDAQ Execution Services, LLC(NSDQ)	0.96	0.00	0.00	71.70	0.00	0	0	0	0	0	0	0	0
Instinet BlockCross(BLKX)	0.38	0.31	30.00	0.00	0.00	0	0	0	0	0	0	0	0
New York Stock Exchange(NYSE)	0.25	0.00	0.00	18.87	0.00	0	0	0	0	0	0	0	0

Material Aspects:

- Citadel Securities LLC(CDRG)
We currently have no payment for order flow arrangements with any execution venues.
- VIRTU Americas, LLC(NITE)
We currently have no payment for order flow arrangements with any execution venues.
- G1 Execution Services, LLC(ETMM)
We currently have no payment for order flow arrangements with any execution venues.
- HRT FINANCIAL LP(HRTF)
We currently have no payment for order flow arrangements with any execution venues.
- Jane Street Capital, LLC(JNST)
We currently have no payment for order flow arrangements with any execution venues.
- Two Sigma Securities, LLC(SOHO)
We currently have no payment for order flow arrangements with any execution venues.
- UBS Securities, LLC(UBSS)
We currently have no payment for order flow arrangements with any execution venues.
- NASDAQ Execution Services, LLC(NSDQ)
We currently have no payment for order flow arrangements with any execution venues.
- Instinet BlockCross(BLKX)
We currently have no payment for order flow arrangements with any execution venues.
- New York Stock Exchange(NYSE)
We currently have no payment for order flow arrangements with any execution venues.

Option Contracts

Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	11.11	88.89	0.00

Venues

Venue - Non-directed Order Flow	Non-Directed Orders(%)	Market Orders(%)	Marketable Limit Orders(%)	Non-Marketable Limit Orders(%)	Other Orders(%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
Wolverine Execution Services LLC(WEXX)	38.46	0.00	20.00	42.86	0.00	0	0	0	0	0	0	0	0
Dash Financial Technologies LLC(DASH)	30.77	0.00	20.00	33.33	0.00	0	0	0	0	0	0	0	0
Citadel Securities LLC(CDRG)	23.08	0.00	40.00	19.05	0.00	0	0	0	0	0	0	0	0
Susquehanna Capital Group(SUSQ)	7.69	0.00	20.00	4.76	0.00	0	0	0	0	0	0	0	0

Material Aspects:

Wolverine Execution Services LLC(WEXX)

We currently have no payment for order flow arrangements with any execution venues.

Dash Financial Technologies LLC(DASH)

We currently have no payment for order flow arrangements with any execution venues.

Citadel Securities LLC(CDRG)

We currently have no payment for order flow arrangements with any execution venues.

Susquehanna Capital Group(SUSQ)

We currently have no payment for order flow arrangements with any execution venues.