

# TIAA-CREF INDIVIDUAL & - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2025

OCTOBER 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	69.18	2.50	22.78	5.54

### Venue

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)	25.90	25.11	24.92	27.07	31.29	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	13.41	13.19	13.31	14.02	13.68	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	12.65	12.69	12.35	12.48	12.91	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
ICRS (ICRS)	0.09	0.13	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
STONEX FINANCIAL INC. (INTL)	6.16	7.15	5.22	4.22	2.30	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	16.25	16.37	18.74	17.21	9.74	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	11.73	11.67	11.61	11.41	13.92	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
PERSHING FRACTIONAL SHARE (PFRA)	1.09	1.58	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	6.29	5.89	7.24	6.71	9.02	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS SECURITIES (UBSS)	6.32	6.21	6.60	6.43	7.15	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects

Our firm routes 100% of our retail non-directed orders (defined as "held" orders) in the National Market System (NMS) equities and options to our clearing broker, Pershing LLC, for further handling, routing and execution. We do not receive payment for order flow from Pershing or any market center. For additional information about Pershing LLC's payment for order flow practices, please see Pershing's SEC Rule 606 disclosure.

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**OCTOBER 2025**

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**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	67.23	3.27	23.45	6.05

## Venue

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)	21.94	21.56	22.01	22.38	24.49	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	18.29	17.21	18.86	20.08	23.05	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GTS SECURITIES LLC. (GTSM)	0.55	0.60	0.53	0.51	0.08	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	9.97	10.22	10.95	9.38	8.92	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
STONEX FINANCIAL INC. (INTL)	4.08	4.59	4.15	3.04	2.46	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	17.63	17.70	17.97	19.02	11.30	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	12.03	11.67	11.88	12.62	13.84	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
PERSHING FRACTIONAL SHARE (PFRA)	2.49	3.71	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	6.33	6.18	7.27	6.16	8.12	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS SECURITIES (UBSS)	6.63	6.49	6.38	6.80	7.75	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects

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## OCTOBER 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	37.51	4.25	58.13	0.11

**Venue**

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)	36.67	35.23	36.94	37.60	25.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
DASH FINANCIAL OPTION ATS (DASH)	11.94	15.09	17.83	9.51	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JNOP (JNOP)	0.68	1.23	0.64	0.33	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GLOBAL EXECUTION BROKERS, LP. (SUSQ)	33.88	30.11	26.11	36.81	75.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
WOLVERINE EXECUTION SERV, LLC (WEXX)	16.82	18.34	18.47	15.75	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

**Material Aspects**

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**NOVEMBER 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	69.53	2.60	22.63	5.24

## Venue

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)	25.70	24.76	25.00	27.64	30.12	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	12.75	12.56	13.68	12.70	15.06	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	12.14	12.06	12.31	12.53	11.48	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
ICRS (ICRS)	0.14	0.20	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
STONEX FINANCIAL INC. (INTL)	7.37	8.35	7.84	5.35	2.78	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	16.58	16.45	17.29	17.90	12.16	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	11.88	11.68	12.44	11.84	14.38	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
PERSHING FRACTIONAL SHARE (PFRA)	1.24	1.79	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	6.31	6.29	5.35	6.15	7.65	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS SECURITIES (UBSS)	5.90	5.86	6.09	5.89	6.36	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## NOVEMBER 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	67.67	3.42	24.24	4.67

**Venue**

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)	22.52	22.10	22.17	23.35	24.70	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	18.01	17.15	18.03	19.67	21.89	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GTS SECURITIES LLC. (GTSM)	0.46	0.51	0.68	0.39	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	9.67	9.70	10.14	9.58	9.40	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
STONEX FINANCIAL INC. (INTL)	4.16	4.73	4.39	2.87	2.46	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	17.73	17.88	19.10	18.45	10.82	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	11.97	11.45	11.55	12.90	15.05	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
PERSHING FRACTIONAL SHARE (PFRA)	3.23	4.77	0.05	0.01	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	6.15	5.85	7.36	6.52	7.76	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
UBS SECURITIES (UBSS)	6.00	5.74	6.53	6.28	7.94	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## NOVEMBER 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	35.50	4.59	59.66	0.25

#### Venue

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)	38.42	36.77	38.76	39.48	14.29	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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 OPTION ATS (DASH)	9.93	14.13	23.26	6.44	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JNOP (JNOP)	1.32	2.00	1.55	0.89	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GLOBAL EXECUTION BROKERS, LP. (SUSQ)	34.69	31.06	17.05	38.04	71.43	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
WOLVERINE EXECUTION SERV, LLC (WEXX)	15.65	16.03	19.38	15.15	14.29	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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## DECEMBER 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	67.89	2.96	24.62	4.53

## Venue

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)	26.45	25.55	27.53	27.77	32.12	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	13.16	12.94	11.38	13.73	14.55	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	12.19	11.91	11.61	12.78	13.41	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
ICRS (ICRS)	0.20	0.29	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
STONEX FINANCIAL INC. (INTL)	6.48	7.48	5.46	4.58	2.58	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	16.27	16.40	17.42	16.46	12.50	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	11.44	11.17	12.43	11.72	13.26	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
PERSHING FRACTIONAL SHARE (PFRA)	1.14	1.68	0.00	0.00	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	6.04	5.90	7.43	6.10	6.82	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
UBS SECURITIES (UBSS)	6.62	6.66	6.74	6.85	4.77	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects

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## DECEMBER 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	68.63	3.68	23.18	4.51

**Venue**

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)	22.72	22.58	22.36	22.67	25.52	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
G1 EXECUTION SERVICES, LLC (ETMM)	18.65	17.73	17.90	20.41	24.27	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GTS SECURITIES LLC. (GTSM)	0.48	0.54	0.61	0.33	0.25	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
HRT FINANCIAL LP (HRTF)	10.04	10.13	10.17	9.91	9.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
STONEX FINANCIAL INC. (INTL)	3.95	4.43	3.71	2.83	2.63	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JANE STREET CAPITAL, LLC (JNST)	17.22	16.98	19.91	18.84	10.28	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
VIRTU AMERICAS LLC (NITE)	11.72	11.22	12.23	12.33	15.77	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
PERSHING FRACTIONAL SHARE (PFRA)	3.28	4.77	0.04	0.03	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
TWO SIGMA SECURITIES (SOHO)	5.92	5.54	6.86	6.30	9.11	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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)
UBS SECURITIES (UBSS)	5.92	5.95	6.20	6.36	3.06	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects

Our firm routes 100% of our retail non-directed orders (defined as "held" orders) in the National Market System (NMS) equities and options to our clearing broker, Pershing LLC, for further handling, routing and execution. We do not receive payment for order flow from Pershing or any market center. For additional information about Pershing LLC's payment for order flow practices, please see Pershing's SEC Rule 606 disclosure.

## DECEMBER 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	33.08	5.94	60.26	0.72

#### Venue

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)	33.98	33.37	28.66	34.77	40.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

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 OPTION ATS (DASH)	11.15	16.08	15.85	8.11	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
JNOP (JNOP)	3.73	7.22	4.88	1.74	0.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
GLOBAL EXECUTION BROKERS, LP. (SUSQ)	35.18	27.13	29.88	39.94	50.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000
WOLVERINE EXECUTION SERV, LLC (WEXX)	15.96	16.19	20.73	15.44	10.00	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000

### Material Aspects

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