

ZacksTrade - Held NMS Stocks and Options Order Routing Public Report

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3rd Quarter, 2022

July 2022

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
99.83	0.01	23.61	75.24	1.14

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)
Nasdaq Stock Market (XNAS)	31.25	100.00	5.39	39.02	53.12	0	0.0000	-37	-29.5399	77	23.8567	-0	-3.4453
CBOE EDGX Exchange (EDGX)	22.80	0.00	1.81	29.73	0.00	0		-26	-30.0000	24	22.5534	0	
New York Stock Exchange (XNYS)	18.42	0.00	2.02	23.14	46.88	0		-13	-27.6922	59	19.0014	-0	-5.1188
IBKR ATS (IATS)	8.16	0.00	33.65	0.28	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	3.67	0.00	3.48	3.79	0.00	0		-27	-30.0000	1	25.0000	0	
HRT Execution Services LLC (HRTX)	2.38	0.00	10.08	0.00	0.00	0		0	0.0000	0		0	
IEX (IEXG)	2.12	0.00	4.03	1.55	0.00	0		-4	-6.1480	-0	-8.6087	0	
CBOE BYX Exchange (BATY)	2.05	0.00	1.61	2.21	0.00	0		1	1.9722	-0	-1.9231	0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGX Exchange (EDGX):

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New York Stock Exchange (XNYS):

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IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

NYSE Arca (ARCX):

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July 2022

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
99.95	0.00	31.92	66.86	1.22

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)
Nasdaq Stock Market (XNAS)	20.80	100.00	8.62	26.08	49.62	0	0.0000	-670	-26.3178	554	14.2628	-6	-6.8622
CBOE EDGX Exchange (EDGX)	18.34	0.00	2.33	26.31	0.00	0		-134	-25.5622	158	20.7882	0	
New York Stock Exchange (XNYS)	15.51	0.00	1.74	21.57	43.61	0		-81	-27.0430	179	17.0746	-1	-2.1793
NYSE Arca (ARCX)	12.39	0.00	4.10	16.47	5.26	0		-279	-27.0810	1,467	30.2746	-0	-15.0000
IBKR ATS (IATS)	7.80	0.00	23.94	0.25	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXG)	3.53	0.00	4.73	3.01	0.00	0		-15	-7.1766	-2	-8.6154	0	
CBOE BYX Exchange (BATY)	3.51	0.00	2.63	4.00	0.00	0		11	1.5914	-0	-0.0918	0	
HRT Execution Services LLC (HRTX)	2.95	0.00	9.23	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.80	0.00	5.65	0.00	0.00	0		81	16.5040	0		0	
Citadel	1.63	0.00	5.12	0.00	0.00	0		0	0.0000	0		0	

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)
Securities "PRO" (CDRG)													
UBS ATS (UBSA)	1.57	0.00	4.91	0.00	0.00	0		0	0.0000	0		0	
XTX Execution Services LLC (XTXE)	1.50	0.00	4.69	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

Nasdaq Stock Market (XNAS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

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CBOE BYX Exchange (BATY):

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CBOE EDGA Exchange (EDGA):

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July 2022

Options

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
99.89	0.05	6.12	31.89	61.94

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)
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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)
CBOE C2 Exchange (C2OX)	19.93	0.00	4.42	17.78	22.59	0		-819	-42.9622	362	41.9513	513	16.3894
NYSE Arca Options (ARCO)	19.30	55.56	4.60	35.08	12.60	0	0.0000	-88	-48.2350	487	54.0511	7,227	39.9839
Cboe EDGX Options Exchange (EDGO)	13.67	0.00	9.19	12.12	14.92	0		411	15.2410	174	12.9888	1,214	55.2513
Chicago Board Options Exchange (XCBO)	9.74	0.00	8.33	13.52	7.95	0		-7	-1.1859	-64	-13.4146	148	10.8940
Nasdaq ISE (XISX)	9.14	44.44	7.98	1.86	12.98	-1	-37.0000	-11	-0.8051	18	83.5455	805	36.5743
MIAX Emerald Exchange (EMLD)	8.09	0.00	1.65	0.20	12.80	0		-8	-41.4500	1	105.0000	974	28.8077
Nasdaq PHLX (XPHL)	6.82	0.00	4.51	0.25	10.44	0		4	0.3904	0	0.0000	1	0.1208
Nasdaq MRX (MCRY)	3.24	0.00	32.70	0.03	1.98	0		1,117	28.5426	1	28.2872	126	13.2193
Nasdaq Options Market (XNDQ)	2.64	0.00	2.86	7.74	0.00	0		-41	-42.1429	90	46.9110	0	

Material Aspects:

CBOE C2 Exchange (C2OX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca Options (ARCO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Cboe EDGX Options Exchange (EDGO):

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Chicago Board Options Exchange (XCBO):

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Nasdaq ISE (XISX):

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MIAX Emerald Exchange (EMLD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq PHLX (XPHL):

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Nasdaq MRX (MCRY):

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Nasdaq Options Market (XNDQ):

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August 2022

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
99.11	0.01	20.56	78.30	1.14

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)
Nasdaq Stock Market (XNAS)	29.73	100.00	5.43	35.97	38.60	0		-40	-28.7101	100	25.8791	-0	-5.0640
CBOE EDGX Exchange (EDGX)	26.85	0.00	1.75	33.83	0.00	0		-34	-30.0000	22	15.8142	0	
New York Stock Exchange (XNYS)	18.79	0.00	1.75	22.65	61.40	0		-12	-27.0531	79	19.3425	-0	-3.7854
IBKR ATS (IATS)	7.23	0.00	34.58	0.15	0.00	0		0	0.0000	0	0.0000	0	
CBOE BYX Exchange (BATY)	2.67	0.00	2.18	2.84	0.00	0		3	1.8296	0	0.1356	0	
IEX (IEXG)	2.60	0.00	4.03	2.27	0.00	0		-7	-6.4347	-1	-8.9740	0	
NYSE Arca (ARCX)	2.30	0.00	3.01	2.15	0.00	0		-15	-30.0000	2	23.7719	0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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New York Stock Exchange (XNYS):

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August 2022

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
99.79	0.00	30.90	67.96	1.14

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)
CBOE EDGX Exchange (EDGX)	22.63		3.01	31.93	0.00	0		-362	-28.0476	318	21.1406	0	
Nasdaq Stock Market (XNAS)	21.77		8.00	27.64	44.94	0		-881	-28.3771	962	18.6174	-14	-10.4466
New York Stock Exchange (XNYS)	14.23		1.78	19.32	48.15	0		-229	-28.1390	512	17.9370	-4	-6.6787
NYSE Arca (ARCX)	10.22		4.80	12.77	4.94	0		-513	-27.0019	4,756	31.5205	-1	-8.9926
IBKR ATS (IATS)	7.31		23.05	0.28	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	3.49		5.15	2.79	0.00	0		-34	-7.3268	-8	-8.7934	0	
CBOE BYX Exchange (BATY)	3.24		2.11	3.81	0.00	0		10	1.1775	-0	-0.3978	0	
HRT Execution Services LLC (HRTX)	2.62		8.48	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.83		5.93	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.72		5.58	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.59		5.13	0.01	0.00	0		131	16.2659	-0	-10.0000	0	

Material Aspects:

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August 2022

Options

Summary

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99.99	0.04	3.58	17.03	79.35

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)
NYSE Arca Options (ARCO)	22.91	43.75	4.73	34.35	21.26	0		-180	-52.6950	843	54.0192	8,750	39.5368
Cboe EDGX Options Exchange (EDGO)	19.14	0.00	6.07	12.34	21.20	0		143	20.7044	707	17.8456	1,291	58.1681
Nasdaq PHLX (XPHL)	15.18	0.00	3.70	0.34	18.89	0		227	23.5732	1	6.8000	11	0.7108
CBOE C2 Exchange (C2OX)	13.41	12.50	3.58	13.74	13.78	1	42.0000	-352	-42.9050	319	42.0000	480	11.8514

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MIAX Emerald Exchange (EMLD)	7.26	0.00	3.26	0.16	8.96	0		-45	-49.2826	1	53.0000	872	27.7594
Chicago Board Options Exchange (XCBO)	6.80	0.00	10.73	17.73	4.28	0		-57	-7.7534	-218	-20.0798	770	19.3293
Nasdaq ISE (XISX)	5.58	37.50	6.00	1.72	6.38	0	0.0000	-55	-8.4472	36	86.0000	626	26.9342

Material Aspects:

NYSE Arca Options (ARCO):

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MIAX Emerald Exchange (EMLD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Chicago Board Options Exchange (XCBO):

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Nasdaq ISE (XISX):

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September 2022

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
99.76	0.04	21.14	77.90	0.92

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)
Nasdaq Stock Market (XNAS)	28.42	100.00	8.07	33.77	39.77	0	0.0000	-39	-24.7980	150	26.3340	-0	-6.8367
CBOE EDGX Exchange (EDGX)	24.34	0.00	1.18	30.93	0.00	0		-5	-30.0000	19	17.5837	0	
New York Stock Exchange (XNYS)	23.40	0.00	2.31	28.70	60.23	0		-18	-27.5228	612	19.8332	-1	-3.8916
IBKR ATS (IATS)	6.30	0.00	28.74	0.29	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	2.33	0.00	3.89	1.94	0.00	0		-3	-7.2114	-0	-8.8977	0	
NYSE Arca (ARCX)	2.24	0.00	4.23	1.72	0.00	0		-22	-29.2573	1	24.5359	0	
CBOE BYX Exchange (BATY)	2.21	0.00	1.67	2.38	0.00	0		1	1.7978	0	0.7097	0	
XTX Execution Services LLC (XTXE)	1.74	0.00	8.07	0.04	0.00	0		0	0.0000	0	0.0000	0	

Material Aspects:

Nasdaq Stock Market (XNAS):

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CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

New York Stock Exchange (XNYS):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

IEX (IEXD):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

NYSE Arca (ARCX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

September 2022

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
99.98	0.03	28.43	70.73	0.81

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)
CBOE EDGX Exchange (EDGX)	25.32	0.00	2.46	34.79	2.34	0		-235	-25.5544	395	20.7198	1	2.1231
Nasdaq Stock Market (XNAS)	17.41	100.00	7.36	21.13	42.06	0	0.0000	-566	-23.8594	1,505	22.1906	-33	-12.4308
New York Stock Exchange (XNYS)	14.76	0.00	1.79	19.59	49.07	0		-147	-25.5154	428	6.3918	-1	-2.8193
NYSE Arca (ARCX)	12.53	0.00	4.20	15.97	4.67	0		-467	-25.8599	1,255	29.9439	-1	-14.2491
IBKR ATS (IATS)	6.49	0.00	22.34	0.19	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXG)	3.25	0.00	4.90	2.63	0.00	0		-30	-6.7766	-6	-8.4167	0	
CBOE BYX Exchange (BATY)	3.17	0.00	2.84	3.34	0.47	0		10	1.1923	-2	-5.5929	0	
HRT Execution Services LLC (HRTX)	2.74	0.00	9.62	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.78	0.00	6.25	0.00	0.00	0		0	0.0000	0		0	
CBOE EDGA Exchange (EDGA)	1.61	0.00	5.62	0.01	0.00	0		86	13.4731	-0	-10.0000	0	
UBS ATS (UBSA)	1.58	0.00	5.56	0.00	0.00	0		0	0.0000	0		0	

Material Aspects:

CBOE EDGX Exchange (EDGX):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq Stock Market (XNAS):

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New York Stock Exchange (XNYS):

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NYSE Arca (ARCX):

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IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS. IBKR uses the IBKR ATS to execute IBKR client orders against each other or against one or more professional liquidity providers who quote into the IBKR ATS. Order executions on the IBKR ATS are faster, eliminate exchange fees, and may offer Price Improvement. Statistical information regarding the quality of executions for orders effected through the IBKR ATS (e.g., average execution speed, percentage of orders receiving Price Improvement, etc.) is available on the IBKR website at: <https://ibkr.com/regulatoryreports>.

CBOE BYX Exchange (BATY):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

CBOE EDGA Exchange (EDGA):

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September 2022

Options

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
99.99	0.20	7.57	30.62	61.60

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)
CBOE C2 Exchange (C2OX)	19.67	11.90	3.41	18.71	22.17	0		-538	-42.7238	277	41.2489	526	6.4479
NYSE Arca Options (ARCO)	15.93	21.43	6.76	28.87	10.61	-1	-85.0000	-226	-49.0000	262	60.9791	10,741	39.2977
Cboe EDGX Options Exchange (EDGO)	13.54	0.00	8.50	10.83	15.55	0		445	22.1312	326	21.0000	2,428	53.0176
Chicago Board Options Exchange (XCBO)	11.09	47.62	7.86	13.41	10.22	-3	-50.2500	224	12.5045	-112	-17.1950	584	11.9120
Nasdaq ISE (XISX)	8.99	11.90	7.28	1.56	12.89	0	0.0000	32	1.9112	22	86.0000	663	27.7615
MIAX Emerald Exchange (EMLD)	8.45	7.14	1.22	0.13	13.48	1	53.0000	-21	-39.0000	1	105.0000	1,010	26.8202
Nasdaq PHLX (XPHL)	7.44	0.00	3.48	0.24	11.52	0		169	13.3060	0	0.0000	3	0.1187
Nasdaq Options Market (XNDQ)	5.02	0.00	2.58	15.76	0.00	0		-51	-36.7357	102	20.4920	0	

Material Aspects:

CBOE C2 Exchange (C2OX):

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NYSE Arca Options (ARCO):

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Cboe EDGX Options Exchange (EDGO):

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Chicago Board Options Exchange (XCBO):

To the extent that IBKR receives volume discounts, such discounts are not passed on to clients. Likewise, to the extent that IBKR receives enhanced rebate payments for exceeding volume thresholds on particular markets, it does not pass these enhanced rebate amounts directly to clients.

Nasdaq ISE (XISX):

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Nasdaq PHLX (XPHL):

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Nasdaq Options Market (XNDQ):

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