ZacksTrade - Held NMS Stocks and Options Order Routing Public Report

Generated on Mon Jul 10 2023 11:54:23 GMT-0400 (EDT)

2nd Quarter, 2023

April 2023

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	0.00	14.05	85.74	0.20

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)	50.77		2.56	58.80	0.00	0		-49	-28.4602	2	14.1635	0	
Nasdaq Stock Market (XNAS)	20.95		6.87	23.17	59.26	0		-42	-14.1131	209	28.2545	-0	-2.8421
New York Stock Exchange (XNYS)	10.81		2.24	12.14	40.74	0		-25	-28.4412	79	17.6244	-0	-7.5591
IBKR ATS (IATS)	3.86		26.73	0.12	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	3.43		3.04	3.51	0.00	0		-52	-30.0000	3	19.4188	0	
HRT Execution Services LLC (HRTF)	1.24		8.84	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):
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.

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.

April 2023

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
99.99	0.00	25.53	73.91	0.56

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)	33.41		2.45	44.32	3.97	0		-141	-22.8936	152	12.3826	0	8.0000
Nasdaq Stock Market (XNAS)	20.15		7.19	24.53	33.11	0		-454	-24.5105	881	17.6385	-7	-6.6724
New York Stock Exchange (XNYS)	10.88		1.38	14.04	27.15	0		-94	-27.6576	317	13.4225	-2	-4.4533
NYSE Arca (ARCX)	7.89		4.12	9.01	31.79	0		-201	-20.8581	693	26.2188	-8	-15.0000
IBKR ATS (IATS)	5.50		20.58	0.33	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTF)	3.01		11.78	0.00	0.00	0		0	0.0000	0		0	
IEX (IEXD)	2.88		5.20	2.11	0.00	0		-16	-9.2273	-3	-9.9683	0	
CBOE BYX Exchange (BATY)	2.62		1.58	2.99	0.66	0		12	1.7089	0	0.6030	0	
Citadel Securities "PRO" (CDRG)	1.54		6.03	0.00	0.00	0		0	0.0000	0		0	
XTX Execution Services LLC (XTXE)	1.52		5.37	0.21	0.00	0		0	0.0000	0	0.0000	0	
CBOE EDGA Exchange (EDGA)	1.50		5.84	0.02	0.00	0		103	17.3808	-0	-10.0000	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):
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.

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.

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.

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):
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.

April 2023

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
98.79	0.02	4.70	30.93	64.36

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)
CBOE C2 Exchange (C2OX)	22.91	0.00	5.60	23.79	23.77	0		-258	-42.6821	410	42.0000	476	13.4783
NYSE Arca Options (ARCO)	15.98	33.33	7.47	31.95	8.91	0		-234	-51.3684	450	62.4667	7,676	39.2169
Cboe EDGX Options Exchange (EDGO)	13.07	0.00	7.33	12.05	13.99	0		161	24.2127	270	15.5328	1,701	50.1729
Nasdaq ISE	9.08	0.00	8.05	8.14	9.61	0		16	3.1024	133	93.7746	138	25.0912

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)
(XISX)													
MIAX Emerald Exchange (EMLD)	7.44	0.00	2.59	0.20	11.27	0		-19	-55.1471	3	50.0000	243	7.9790
Nasdaq PHLX (XPHL)	6.50	0.00	5.75	1.55	8.94	0		299	26.8271	0	2.2667	0	0.0000
Nasdaq MRX (MCRY)	5.18	0.00	19.54	0.04	6.60	0		823	36.4995	4	40.0000	375	23.7805
BOX Exchange (XBOX)	4.25	0.00	15.23	0.20	5.39	0		766	61.5625	12	77.8125	6	45.0000
MIAX Options Exchange (XMIO)	4.18	0.00	1.72	0.85	5.97	0		0	0.1654	0		37	20.0000
Chicago Board Options Exchange (XCBO)	3.54	0.00	6.18	2.14	4.03	0		323	34.2245	-85	-50.6751	292	41.2519

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):
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):
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.

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):
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 MRX (MCRY):
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.

BOX Exchange (XBOX):
An affiliate under common control with IBKR has a substantial, minority investment in the Boston Options Exchange Group LLC, which operates the Boston Options Exchange. 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.

MIAX Options Exchange (XMIO):
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):
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.

May 2023

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
99.99	0.01	10.72	89.04	0.23

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)	57.06	0.00	1.86	63.86	0.00	0		-7	-30.0000	4	14.3731	0	
Nasdaq Stock Market (XNAS)	19.84	100.00	7.82	21.18	58.54	-0	-15.0000	-29	-28.9915	220	27.0178	-0	-10.0435
New York Stock Exchange (XNYS)	8.90	0.00	1.04	9.77	41.46	0		-2	-24.5159	30	15.9433	-0	-8.3235
IBKR ATS (IATS)	3.51	0.00	31.38	0.17	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	2.81	0.00	3.06	2.79	0.00	0		-9	-30.0000	4	24.9320	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):
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.

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.

May 2023

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	0.00	23.15	76.36	0.49

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)	38.80	0.00	2.79	49.96	1.14	0		-212	-23.2838	118	11.9529	0	
Nasdaq Stock Market (XNAS)	19.37	100.00	6.63	23.12	37.14	0	0.0000	-389	-21.5141	1,290	25.5227	-8	-10.9964
New York Stock Exchange (XNYS)	9.24	0.00	0.94	11.48	53.71	0		-39	-15.5001	372	16.5224	-9	-7.6904
NYSE Arca (ARCX)	7.48	0.00	4.04	8.53	7.43	0		-227	-23.5027	1,717	27.2268	-1	-14.6561
IBKR ATS (IATS)	4.97	0.00	20.44	0.32	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTF)	2.77	0.00	11.97	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	2.21	0.00	1.55	2.42	0.00	0		11	1.4348	0	0.1375	0	
IEX (IEXD)	2.13	0.00	4.28	1.50	0.00	0		-19	-9.1897	-9	-9.4368	0	
XTX Execution Services LLC (XTXE)	1.62	0.00	6.04	0.29	0.00	0		0	0.0000	0	0.0000	0	
Citadel Securities "PRO" (CDRG)	1.60	0.00	6.93	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):
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.

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.

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.

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.

May 2023

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
99.51	0.15	6.30	29.91	63.65

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)	23.27	7.41	2.33	27.82	23.25	0		-109	-42.9526	982	41.9304	699	8.8013
NYSE Arca Options (ARCO)	14.10	40.74	5.69	27.55	8.55	-43	-85.0000	-171	-49.0458	564	58.2456	6,792	38.3387
Cboe EDGX Options Exchange (EDGO)	12.70	0.00	5.60	12.73	13.42	0		213	22.5590	300	12.4360	1,059	47.9190
Nasdaq ISE (XISX)	9.24	22.22	9.40	6.21	10.62	-1	-37.0000	162	12.1031	180	100.0000	458	31.3178
Nasdaq PHLX (XPHL)	7.33	0.00	5.52	1.62	10.22	0		390	21.5544	0	0.0000	0	0.0000
MIAX Emerald Exchange (EMLD)	6.94	0.00	2.07	0.02	10.69	0		-29	-51.2281	0		113	2.9820
Nasdaq MRX (MCRY)	5.86	0.00	23.53	0.02	6.86	0		1,137	36.8908	0	29.0000	851	19.5805
MIAX Options Exchange (XMIO)	4.44	0.00	2.07	2.20	5.74	0		76	34.6708	0	0.0000	70	20.0000
BOX Exchange (XBOX)	4.24	0.00	10.95	0.27	5.44	0		1,081	42.3061	1	30.0000	23	40.3571
Chicago Board Options Exchange (XCBO)	3.66	0.00	9.22	1.73	4.02	0		636	32.6035	-61	-51.5551	535	37.4681

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):
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):
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):
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.

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 MRX (MCRY):
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.

MIAX Options Exchange (XMIO):
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.

BOX Exchange (XBOX):
An affiliate under common control with IBKR has a substantial, minority investment in the Boston Options Exchange Group LLC, which operates the Boston Options Exchange. 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):
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.

June 2023

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	0.01	7.84	91.99	0.17

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)
CBOE EDGX Exchange (EDGX)	62.98	0.00	2.35	68.27	0.00	0		-4	-28.3665	4	12.8623	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)
Nasdaq Stock Market (XNAS)	17.76	0.00	10.38	18.34	50.00	0		-14	-19.0255	205	26.9093	-0	-7.5000
New York Stock Exchange (XNYS)	6.78	0.00	1.52	7.15	50.00	0		-0	-14.1176	26	17.1898	-0	-2.3125
NYSE Arca (ARCX)	2.67	0.00	3.34	2.61	0.00	0		-5	-30.0000	6	23.8625	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):
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.

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.

June 2023

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	0.00	24.09	75.59	0.33

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)	40.51		2.40	52.84	0.00	0		-171	-23.8660	68	9.6718	0	
Nasdaq Stock Market (XNAS)	18.93		8.15	22.29	38.57	0		-497	-20.6079	2,011	20.4977	-4	-5.6290
New York Stock Exchange (XNYS)	8.32		1.58	10.35	33.57	0		-59	-20.0574	229	14.8115	-5	-8.4146

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 (ARCX)	6.92		4.15	7.72	26.43	0		-280	-21.7998	2,765	27.6629	-4	-10.4715
IBKR ATS (IATS)	5.23		20.90	0.25	0.00	0		0	0.0000	0	0.0000	0	
HRT Execution Services LLC (HRTF)	2.58		10.70	0.00	0.00	0		0	0.0000	0		0	
IEX (IEXD)	2.19		4.14	1.58	0.00	0		-18	-8.8235	-6	-9.9820	0	
CBOE BYX Exchange (BATY)	2.11		0.99	2.48	0.00	0		6	1.1244	-1	-2.4646	0	
XTX Execution Services LLC (XTXE)	1.80		6.66	0.26	0.00	0		0	0.0000	0	0.0000	0	
Citadel Securities "PRO" (CDRG)	1.68		6.97	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):
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.

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.

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.

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.

June 2023

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	0.17	11.00	31.76	57.07

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)	19.95	62.50	2.56	21.90	22.09	1	42.0000	-433	-42.5634	514	41.9315	786	12.0308
NYSE Arca Options (ARCO)	16.04	18.75	7.12	30.84	9.52	-0	-49.0000	-419	-49.3821	579	56.3982	5,212	38.8510
Cboe EDGX Options Exchange (EDGO)	12.48	0.00	6.88	11.53	14.13	0		196	17.9857	361	13.1046	1,162	50.3619
Nasdaq ISE (XISX)	7.54	6.25	3.37	5.75	9.34	0	0.0000	-13	-1.2563	236	100.0000	244	32.9770
Nasdaq PHLX (XPHL)	7.14	0.00	4.93	1.87	10.51	0		807	29.9475	0	0.0000	1	0.1549
MIAX Emerald Exchange (EMLD)	6.98	0.00	1.71	0.05	11.87	0		-135	-39.8118	0	43.0000	109	1.6641
Nasdaq MRX (MCRY)	6.62	0.00	25.85	0.03	6.59	0		2,603	35.8247	1	32.2500	563	25.7410
BOX Exchange (XBOX)	4.85	0.00	11.86	0.43	5.98	0		1,230	22.8150	8	40.8947	175	53.7791
MIAX Options Exchange (XMIO)	4.48	0.00	1.80	2.50	6.12	0		67	22.0041	0	0.0000	54	20.0000
Chicago Board Options Exchange (XCBO)	4.03	0.00	7.35	5.39	2.64	0		1,203	30.2054	-157	-54.2465	663	44.5014

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):
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):
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):
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.

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 MRX (MCRY):
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.

BOX Exchange (XBOX):
An affiliate under common control with IBKR has a substantial, minority investment in the Boston Options Exchange Group LLC, which operates the Boston Options Exchange. 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.

MIAX Options Exchange (XMIO):
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):
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.