

# Interactive Brokers - 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
66.87	0.22	13.56	85.13	1.09

### 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)	54.82	1.00	7.23	62.77	36.30	-12	-5.7017	-94,829	-25.3063	362,673	26.8365	-28,297	-10.3012
CBOE EDGX Exchange (EDGX)	18.24	0.00	1.65	21.14	2.15	0		-32,497	-26.3419	62,685	22.3769	-42	-5.8765
New York Stock Exchange (XNYS)	10.93	0.00	2.54	11.66	60.56	0		-30,443	-23.2467	120,129	18.2649	-23,267	-7.6155
IBKR ATS (IATS)	4.46	0.00	32.19	0.11	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	1.33	0.00	3.46	1.01	0.00	0		-65,676	-28.7698	3,702	24.6186	0	
XTX Execution Services LLC (XTXE)	1.16	0.00	8.57	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.

#### 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>.

**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.

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## July 2022

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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
73.04	0.30	24.40	72.69	2.61

**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)	28.76	0.47	8.91	35.24	37.24	-205	-12.2277	-957,422	-24.3918	1,540,210	17.9307	-64,817	-9.3723
NYSE Arca (ARCX)	18.61	0.00	6.21	22.40	31.30	0		-712,802	-23.8934	841,665	26.0851	-35,193	-12.4608
New York Stock Exchange (XNYS)	14.06	0.00	2.19	17.67	26.34	0		-178,351	-24.4125	564,412	17.7351	-41,882	-7.8468
CBOE EDGX Exchange (EDGX)	13.62	0.00	2.91	17.72	1.18	0		-335,957	-22.6585	320,280	17.9805	-109	-6.8634
IBKR ATS (IATS)	4.63	0.00	18.53	0.15	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	2.11	0.00	7.03	0.54	0.02	0		-26,305	-6.3885	-2,464	-3.6546	-4	-6.8360
MIAX PEARL Equities (EPRL)	2.00	0.00	1.69	2.19	0.00	0		-129,407	-27.6463	84,977	28.2556	0	
HRT Execution Services LLC (HRTX)	1.97	0.00	8.06	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.61	0.00	6.60	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.52	0.00	6.21	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	1.15	0.00	1.49	1.08	0.04	0		3,764	0.9109	-1,352	-6.4547	-1	-3.0770

**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.

**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.

**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.

**CBOE EDGX Exchange (EDGX):**

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**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.

**MIAX PEARL Equities (EPRL):**

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.

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## July 2022

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### 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
99.82	0.08	10.29	51.88	37.75

**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)	22.47	28.73	5.77	33.60	11.73	1,506	34.1174	-460,653	-51.5699	1,729,218	55.0716	699,796	40.4824
Chicago Board Options Exchange (XCBO)	19.27	15.98	16.24	19.14	20.27	-1,159	-34.7139	346,141	16.8595	-709,932	-28.5333	-1,294,355	-33.3649
CBOE C2 Exchange (C2OX)	14.77	11.91	3.40	13.07	20.22	2,783	41.8484	-669,668	-42.3665	805,673	41.5317	411,500	20.2239
Cboe EDGX Options Exchange (EDGO)	10.85	0.00	6.28	11.54	11.17	0		1,664,422	122.3186	582,267	13.0012	718,132	48.9602

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 Options Market (XNDQ)	5.07	0.00	3.62	9.06	0.00	0		-303,480	-40.1535	322,411	52.0901	0	
Nasdaq ISE (XISX)	4.78	25.22	5.39	0.74	10.13	-970	-7.3371	-101,474	-11.8274	54,618	81.9892	357,371	25.7325
MIAX Emerald Exchange (EMLD)	4.75	5.73	1.35	1.93	9.55	339	54.7060	-56,743	-26.8143	343,867	52.2371	348,250	26.2552
Nasdaq MRX (MCRY)	4.47	0.00	33.52	0.04	2.65	0		1,484,800	33.5786	6,545	29.6613	222,517	25.9650
Nasdaq PHLX (XPHL)	4.18	0.96	3.29	0.52	9.46	-5	-1.3333	575,893	56.8385	2,942	4.9309	-13,763	-1.3830

### Material Aspects:

#### 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.

#### 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.

#### CBOE C2 Exchange (C2OX):

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#### Cboe EDGX Options Exchange (EDGO):

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#### Nasdaq Options Market (XNDQ):

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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 MRX (MCRY):

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#### Nasdaq PHLX (XPHL):

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## August 2022

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### 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
78.99	0.32	18.56	79.45	1.67

## 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)	39.76	1.04	6.76	47.68	36.91	-8	-2.3539	-99,285	-26.2791	365,699	26.4292	-29,281	-10.0596
CBOE EDGX Exchange (EDGX)	24.20	0.00	1.66	30.02	2.21	0		-34,713	-27.2601	56,362	21.1103	-14	-4.3629
New York Stock Exchange (XNYS)	14.37	0.00	2.21	16.31	60.01	0		-33,577	-22.7870	131,744	18.2378	-22,697	-7.4951
IBKR ATS (IATS)	6.11	0.00	32.25	0.16	0.00	0		0	0.0000	0	0.0000	0	
XTX Execution Services LLC (XTXE)	1.63	0.00	8.76	0.00	0.00	0		0	0.0000	0		0	
IEX (IEXD)	1.46	0.00	5.25	0.61	0.03	0		-6,775	-6.4978	-629	-3.3620	-3	-6.6421
NYSE Arca (ARCX)	1.43	0.00	3.30	1.03	0.00	0		-63,222	-28.9376	4,161	25.6878	0	
MIAX PEARL Equities (EPRL)	1.13	0.00	0.96	1.20	0.00	0		-10,589	-27.5736	9,660	28.7444	0	

## Material Aspects:

### Nasdaq Stock Market (XNAS):

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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
78.29	0.34	26.46	70.56	2.64

#### 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)	26.96	0.60	9.91	33.08	37.63	-39	-1.4366	-1,345,399	-25.2598	2,329,868	19.4161	-78,693	-8.2306
NYSE Arca (ARCX)	16.96	0.00	6.27	20.60	28.93	0		-1,016,821	-24.9022	832,418	25.3190	-34,889	-11.4702
New York Stock Exchange (XNYS)	15.25	0.00	2.15	19.75	28.28	0		-237,112	-24.2091	728,223	17.2463	-53,303	-7.6131
CBOE EDGX Exchange (EDGX)	14.32	0.00	3.36	18.99	1.32	0		-543,166	-23.8598	496,102	18.1379	-196	-8.0446
IBKR ATS (IATS)	4.99	0.00	18.41	0.17	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	2.30	0.00	7.10	0.59	0.02	0		-37,521	-6.6813	-3,032	-3.4420	-8	-6.7498
MIAX PEARL Equities (EPRL)	2.15	0.00	1.52	2.48	0.00	0		-172,159	-27.8203	108,765	28.3070	0	
HRT Execution Services LLC (HRTX)	1.96	0.00	7.41	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.74	0.00	6.56	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.58	0.00	5.95	0.00	0.00	0		0	0.0000	0		0	
Virtu Americas LLC "PRO" (VIRT)	1.34	0.00	5.08	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	1.24	0.00	1.30	1.27	0.05	0		2,548	0.5017	-780	-2.9719	1	1.4964

#### Material Aspects:

##### Nasdaq Stock Market (XNAS):

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## August 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
99.87	0.08	8.45	42.68	48.79

#### 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)
NYSE Arca Options (ARCO)	21.52	30.93	5.94	33.62	13.61	-4,164	-64.7768	-587,250	-51.9660	2,100,991	55.4972	1,052,617	39.8772
Chicago Board Options Exchange (XCBO)	17.25	15.16	13.66	20.13	15.35	-1,568	-31.0904	392,933	15.3370	-858,414	-24.9728	-1,510,595	-33.5202
CBOE C2 Exchange (C2OX)	14.48	8.14	3.66	12.92	17.73	1,839	42.0558	-881,771	-42.3054	993,464	41.4890	567,657	21.4589
Cboe EDGX Options Exchange (EDGO)	10.80	0.00	6.21	10.83	11.59	0		1,943,275	124.0702	934,875	17.7217	842,973	50.2866
MIAX Emerald Exchange (EMLD)	6.00	6.91	1.58	1.45	10.74	265	38.6210	-88,382	-32.5814	292,667	51.5584	426,223	26.5728

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 PHLX (XPHL)	5.79	1.05	3.20	0.51	10.87	-28	-10.1471	685,357	57.9255	2,411	3.1621	-11,000	-0.9680
Nasdaq ISE (XISX)	5.73	30.12	5.11	1.16	9.79	-1,122	-7.9312	-103,002	-9.3366	76,007	79.8599	371,093	25.5913
Nasdaq MRX (MCRY)	4.52	0.00	30.91	0.03	3.87	0		1,734,130	33.0606	6,567	29.2597	286,414	24.1832
Nasdaq Options Market (XNDQ)	4.19	0.00	3.98	9.03	0.00	0		-401,010	-41.1797	365,450	45.4407	0	

### Material Aspects:

#### 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.

#### 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.

#### 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.

#### 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.

#### 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 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 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.

#### Nasdaq Options Market (XNDQ):

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

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### 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
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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
64.53	0.41	23.78	73.89	1.92

## 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)	38.08	8.15	8.48	47.74	39.57	-47	-1.2797	-111,448	-22.6327	458,945	27.2729	-34,359	-10.3478
CBOE EDGX Exchange (EDGX)	18.58	0.00	1.93	24.47	2.09	0		-33,466	-23.1850	60,878	21.5528	-50	-9.0690
New York Stock Exchange (XNYS)	17.06	0.00	2.45	20.81	57.50	0		-39,962	-23.0576	130,726	18.3176	-24,094	-8.2175
IBKR ATS (IATS)	6.44	0.00	26.41	0.21	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXG)	1.85	0.00	5.50	0.73	0.04	0		-8,107	-6.2640	-613	-3.2287	-7	-6.7203
XTX Execution Services LLC (XTXE)	1.79	0.00	7.37	0.06	0.00	0		0	0.0000	0	0.0000	0	
UBS ATS (UBSA)	1.63	0.00	6.83	0.00	0.00	0		0	0.0000	0		0	
NYSE Arca (ARCX)	1.55	0.00	3.46	0.99	0.00	0		-62,651	-27.9085	4,342	25.3090	0	
SG Americas Securities, LLC (SGAS)	1.55	0.00	6.51	0.00	0.00	0		0	0.0000	0		0	
MIAX PEARL Equities (EPRL)	1.49	0.00	1.37	1.57	0.00	0		-14,830	-23.4463	7,425	28.7317	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):

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.

MIAX PEARL Equities (EPRL):

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
72.60	0.29	24.78	72.27	2.66

#### 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)	24.30	2.63	9.17	29.09	37.60	-106	-1.8450	-1,005,346	-24.1908	1,532,198	18.3128	-63,116	-9.3036
NYSE Arca (ARCX)	20.62	0.00	6.16	25.36	29.02	0		-697,679	-23.5727	965,918	26.8160	-37,004	-12.1288
New York Stock Exchange (XNYS)	16.06	0.00	2.20	20.44	27.95	0		-206,059	-24.1258	547,478	17.3992	-46,226	-7.9557
CBOE EDGX Exchange (EDGX)	13.58	0.00	2.95	17.73	1.42	0		-335,064	-21.3113	381,568	16.4287	-96	-5.5802
IBKR ATS (IATS)	4.23	0.00	16.64	0.14	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXG)	2.11	0.00	6.97	0.53	0.03	0		-28,160	-6.3645	-2,446	-3.6551	-5	-4.3619
MIAX PEARL Equities (EPRL)	2.10	0.00	2.06	2.19	0.00	0		-187,946	-27.4910	104,630	27.3499	0	
HRT Execution Services LLC (HRTX)	1.76	0.00	7.12	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.67	0.00	6.72	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.63	0.00	6.56	0.00	0.00	0		0	0.0000	0	0.0000	0	
CBOE BZX Exchange (BATS)	1.30	0.00	2.43	0.88	2.02	0		-234,586	-26.1764	6,684	16.8682	-6,977	-23.8935
Virtu Americas LLC "PRO" (VIRT)	1.29	0.00	5.22	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.

**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.

**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.

**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.

**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>.

**MIAX PEARL Equities (EPRL):**

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 BZX Exchange (BATS):**

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

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### 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
99.82	10.89	9.12	47.19	32.80

#### 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)
Chicago Board Options Exchange (XCBO)	21.85	16.72	17.29	22.88	23.33	-1,744	-40.9544	97,666	3.4652	-1,124,247	-29.5348	-1,763,680	-37.2276
NYSE Arca Options (ARCO)	19.90	23.44	6.25	28.21	10.58	-3,111	-75.3809	-573,481	-51.0023	1,218,709	60.4431	914,585	40.0514
CBOE C2 Exchange (C2OX)	11.77	3.13	3.58	10.96	18.08	1,152	41.9432	-754,259	-42.0816	804,084	41.4430	550,207	23.3921
Nasdaq Options Market (XNDQ)	8.87	0.00	3.69	18.08	0.00	0		-342,554	-40.6627	758,372	30.3938	0	
Cboe EDGX Options Exchange (EDGO)	8.37	0.00	6.70	9.54	9.92	0		1,840,811	120.3229	1,012,725	20.9892	931,317	52.2148

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)
MIAX Emerald Exchange (EMLD)	5.27	16.71	1.30	0.83	8.95	222	23.0624	-77,605	-38.4572	165,141	49.5806	414,907	27.1963
Nasdaq PHLX (XPHL)	4.43	3.00	2.71	0.52	11.01	-3	-0.8234	585,210	57.5413	1,459	2.2164	-4,954	-0.4683
Nasdaq ISE (XISX)	4.23	1.12	4.74	1.31	9.33	-1,151	-11.2923	-92,008	-9.4974	49,311	75.8905	409,306	26.2572
Nasdaq MRX (MCRY)	3.73	0.00	27.52	0.03	3.66	0		1,502,930	32.4495	6,577	28.4720	237,000	26.1047
MIAX PEARL (MPRL)	3.53	28.55	4.34	0.05	0.00	138	44.2733	-467,712	-46.5667	2,054	38.1775	0	

### Material Aspects:

#### 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.

#### 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 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.

#### Nasdaq Options Market (XNDQ):

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.

#### 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 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 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 PEARL (MPRL):

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.