

# Interactive Brokers - Held NMS Stocks and Options Order Routing Public Report

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2nd Quarter, 2021

April 2021

## 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
87.17	0.32	22.31	74.17	3.19

### 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)	44.26	2.62	6.96	56.15	33.09	-17	-3.8852	-94,148	-25.5524	373,067	26.0429	-21,038	-7.8521
New York Stock Exchange (XNYS)	19.83	0.00	3.44	22.90	64.98	0		-34,579	-17.7388	161,112	18.1453	-21,098	-7.3204
CBOE EDGX Exchange (EDGX)	10.00	0.00	3.13	12.49	1.11	0		-52,945	-23.5580	25,501	25.0532	-32	-7.3741
IBKR ATS (IATS)	6.43	0.00	28.57	0.08	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	3.20	0.00	3.55	3.25	0.00	0		-59,593	-28.4865	5,730	22.5432	0	
IEX (IEXG)	2.72	0.00	9.21	0.89	0.07	0		-2,119	-1.6938	0	0.0000	0	0.0000
UBS ATS (UBSA)	1.99	0.00	8.93	0.00	0.00	0		0	0.0000	0		0	
Hudson River Trading (HRTX)	1.66	0.00	7.44	0.00	0.00	0		0	0.0000	0		0	

### Material Aspects:

Nasdaq Stock Market (XNAS):

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New York Stock Exchange (XNYS):

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IBKR operates the IBKR ATS in accordance with SEC Regulation ATS, on which it executes IBKR client orders against each other or against one or more professional liquidity providers who send orders 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>.

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## April 2021

### 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
88.87	0.22	22.58	72.95	4.25

**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)	38.48	1.06	8.15	47.80	41.63	-40	-3.7368	-1,065,409	-26.5588	3,049,769	23.4393	-59,750	-6.6489
New York Stock Exchange (XNYS)	14.97	0.00	2.44	18.07	29.21	0		-214,446	-21.8449	898,343	18.0674	-36,929	-7.1540
CBOE EDGX Exchange (EDGX)	13.28	0.00	4.65	16.71	0.85	0		-655,309	-25.4577	392,893	19.9461	-332	-11.7464
NYSE Arca (ARCX)	10.43	0.00	5.00	11.42	22.70	0		-671,409	-27.2773	374,302	25.2265	-35,824	-10.5412
IBKR ATS (IATS)	4.42	0.00	19.06	0.15	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	2.63	0.00	9.18	0.76	0.17	0		-11,805	-2.1532	0	0.0000	0	0.0000
UBS ATS (UBSA)	2.34	0.00	10.37	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.86	0.00	8.22	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	1.58	0.00	1.86	1.58	0.17	0		11,069	1.6743	-23,738	-15.9428	-6	-11.7402
Hudson River Trading (HRTX)	1.46	0.00	6.46	0.00	0.00	0		0	0.0000	0		0	

**Material Aspects:**

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## April 2021

### 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	0.06	5.41	38.12	56.40

#### 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 Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cent per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cent per hundred shares)
CBOE C2 Exchange (C2OX)	14.62	19.81	4.35	8.44	19.78	1,337	37.1775	-523,248	-41.2857	579,728	38.3625	399,875	15.6210
Chicago Board Options Exchange (XCBO)	13.67	6.69	4.81	18.97	10.94	-1,560	-30.2008	1,694,423	202.5863	280,490	5.0787	-672,727	-26.3705
NYSE Arca Options (ARCO)	12.64	23.46	5.99	16.90	10.38	1,588	20.0539	-464,618	-54.8303	429,326	65.9581	789,500	41.6776
Nasdaq Options Market (XNDQ)	10.55	0.00	8.49	26.48	0.00	0		-876,033	-42.4218	1,845,694	49.7443	0	
Cboe EDGX Options Exchange (EDGO)	9.92	0.00	6.78	2.92	14.96	0		705,663	77.8503	279,534	20.8836	763,809	46.3988
Nasdaq ISE (XISX)	9.13	20.43	4.80	2.41	14.08	-708	-7.9495	-114,053	-17.8251	261,912	83.7183	579,089	36.3376

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MIAX Emerald Exchange (EMLD)	8.40	0.66	1.90	1.13	13.94	56	56.7143	-82,493	-41.7372	132,761	42.0119	391,344	28.0347
Nasdaq PHLX (XPHL)	7.65	1.21	3.50	1.69	12.08	0	0.0000	564,484	75.3074	1,177	0.3138	-133	-0.0131
Nasdaq GEMX (GMNI)	4.34	15.13	3.47	10.86	0.00	1,839	29.8620	-328,917	-51.7008	981,886	45.0165	-280	-47.9520

### Material Aspects:

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#### Chicago Board Options Exchange (XCBO):

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#### NYSE Arca Options (ARCO):

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#### Nasdaq Options Market (XNDQ):

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## May 2021

### 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
89.17	0.30	21.40	75.06	3.24

## 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)	43.07	3.18	7.34	53.88	32.36	-5	-0.5446	-82,267	-25.8827	315,857	25.5947	-22,622	-7.6151
New York Stock Exchange (XNYS)	21.76	0.00	3.86	25.08	64.99	0		-33,442	-17.1030	154,888	18.4163	-20,117	-6.7494
CBOE EDGX Exchange (EDGX)	9.73	0.00	2.87	12.08	1.47	0		-45,181	-24.1251	21,671	25.1280	-21	-5.2230
IBKR ATS (IATS)	5.75	0.00	26.67	0.06	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	3.71	0.00	3.50	3.95	0.00	0		-55,841	-28.7765	6,357	21.9004	0	
IEX (IEXD)	2.55	0.00	8.87	0.86	0.28	0		-7,790	-6.7742	-869	-4.1306	-4	-6.3577
Hudson River Trading (HRTX)	1.77	0.00	8.27	0.00	0.00	0		0	0.0000	0		0	
UBS ATS (UBSA)	1.77	0.00	8.27	0.00	0.00	0		0	0.0000	0		0	

### Material Aspects:

#### Nasdaq Stock Market (XNAS):

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## May 2021

### 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
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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
90.74	0.27	24.06	71.46	4.21

## 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)	34.61	0.74	8.42	43.18	41.07	-127	-5.7317	-1,158,194	-27.0865	2,989,327	23.3348	-62,886	-6.7405
New York Stock Exchange (XNYS)	16.49	0.00	2.88	20.34	30.13	0		-257,228	-21.6811	987,676	18.1864	-42,348	-6.7818
NYSE Arca (ARCX)	12.86	0.00	5.43	14.86	22.36	0		-785,654	-27.5050	532,833	24.9785	-35,251	-10.8140
CBOE EDGX Exchange (EDGX)	12.23	0.00	4.73	15.46	0.93	0		-713,228	-26.0270	366,731	20.4164	-475	-13.8236
IBKR ATS (IATS)	4.10	0.00	16.73	0.11	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXD)	2.68	0.00	9.07	0.68	0.26	0		-44,614	-7.0163	-4,063	-3.0790	-16	-7.4013
UBS ATS (UBSA)	2.42	0.00	10.07	0.00	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.87	0.00	7.78	0.00	0.00	0		0	0.0000	0		0	
Hudson River Trading (HRTX)	1.66	0.00	6.92	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	1.51	0.00	1.88	1.47	0.22	0		10,577	1.6630	-8,346	-11.9768	-1	-1.0896

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# May 2021

## Options

### Summary

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99.87	0.06	6.11	43.05	50.78

### Venues

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CBOE C2 Exchange (C2OX)	14.90	8.55	4.50	9.33	20.88	1,903	37.4967	-527,604	-42.2143	706,145	39.5170	399,225	16.9089
NYSE Arca Options (ARCO)	13.43	27.86	5.80	17.98	10.48	113	1.9565	-434,946	-54.7831	680,303	69.9997	587,378	42.7942
Chicago Board Options Exchange (XCBO)	13.04	7.60	4.35	16.94	10.79	-2,314	-38.5284	1,308,032	167.4902	109,883	2.5152	-764,975	-28.8291
Nasdaq Options Market (XNDQ)	11.21	0.00	7.96	24.90	0.00	0		-738,150	-42.2583	1,602,280	49.9419	0	
Cboe EDGX Options Exchange (EDGO)	9.88	0.00	6.74	4.18	15.10	0		796,995	90.3267	326,975	18.3156	681,337	48.0570
Nasdaq PHLX (XPHL)	8.49	2.05	4.17	4.21	12.65	-6	-0.5283	699,884	87.6554	514	0.0533	-3,468	-0.3773
Nasdaq ISE (XISX)	8.14	27.91	4.78	1.82	13.88	-724	-7.1441	-99,637	-15.6472	212,962	83.0612	533,762	36.8027
MIAX Emerald Exchange (EMLD)	7.90	1.03	1.84	1.04	14.46	73	51.7324	-77,613	-42.1331	133,040	43.2228	407,819	30.1963
Nasdaq GEMX (GMNI)	4.90	12.34	3.42	10.88	0.00	1,280	35.9167	-315,277	-52.2273	969,877	45.4446	-263	-51.9486

### Material Aspects:

#### CBOE C2 Exchange (C2OX):

IBKR may receive volume discounts that are not passed on to clients. Likewise, rebates passed on to clients by IBKR may be less than the rebates IBKR receives from the relevant market. For example, IBKR may receive enhanced rebate payments for exceeding volume thresholds on particular markets, but typically will not pass these enhancements directly to clients.

#### NYSE Arca Options (ARCO):

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#### Chicago Board Options Exchange (XCBO):

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#### Nasdaq Options Market (XNDQ):

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Cboe EDGX Options Exchange (EDGO):

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Nasdaq PHLX (XPHL):

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Nasdaq ISE (XISX):

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MIAX Emerald Exchange (EMLD):

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Nasdaq GEMX (GMNI):

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## June 2021

### 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
86.18	0.25	18.72	77.69	3.34

#### 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)	41.67	2.43	5.77	50.91	30.92	-7	-0.5936	-70,896	-26.8462	274,747	25.6732	-23,868	-7.5618
New York Stock Exchange (XNYS)	22.64	0.00	4.44	25.22	66.29	0		-31,457	-15.8297	145,681	18.3715	-23,461	-6.6883
CBOE EDGX Exchange (EDGX)	11.00	0.00	2.30	13.53	1.59	0		-42,539	-24.5181	20,243	24.9374	-30	-9.2365
IBKR ATS (IATS)	4.95	0.00	26.25	0.04	0.00	0		0	0.0000	0	0.0000	0	
NYSE Arca (ARCX)	4.72	0.00	2.98	5.36	0.00	0		-47,100	-29.2168	6,948	22.3061	0	
IEX (IEXG)	2.01	0.00	7.13	0.86	0.28	0		-6,427	-6.8090	-969	-4.1160	-2	-7.0023
Hudson River Trading (HRTX)	1.72	0.00	9.20	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX	1.46	0.00	1.50	1.51	0.26	0		597	1.5565	-106	-2.6225	-0	-2.5190



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)
Exchange (BATY)													

### Material Aspects:

#### Nasdaq Stock Market (XNAS):

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#### New York Stock Exchange (XNYS):

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#### CBOE EDGX Exchange (EDGX):

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#### IBKR ATS (IATS):

IBKR operates the IBKR ATS in accordance with SEC Regulation ATS, on which it executes IBKR client orders against each other or against one or more professional liquidity providers who send orders 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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#### CBOE BYX Exchange (BATY):

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## June 2021

### 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
91.64	0.23	25.43	70.98	3.36

#### 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)
Nasdaq Stock Market (XNAS)	35.65	0.89	9.15	44.97	41.43	-292	-7.5665	-1,532,784	-28.1874	4,402,404	25.1854	-71,763	-6.2021
New York Stock Exchange (XNYS)	16.72	0.00	2.62	21.26	28.73	0		-310,923	-20.9464	1,387,579	17.9778	-47,627	-6.6174
CBOE EDGX Exchange (EDGX)	11.51	0.00	4.68	14.49	0.99	0		-969,247	-26.2510	451,552	19.8166	-254	-9.0136

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)	11.29	0.00	5.64	12.80	22.91	0		-1,107,325	-28.5860	479,903	24.5347	-36,814	-10.0980
IBKR ATS (IATS)	4.30	0.00	16.53	0.14	0.00	0		0	0.0000	0	0.0000	0	
IEX (IEXG)	2.64	0.00	8.49	0.66	0.36	0		-58,610	-6.9965	-5,287	-2.7047	-14	-7.0075
UBS ATS (UBSA)	2.63	0.00	10.22	0.04	0.00	0		0	0.0000	0		0	
Citadel Securities "PRO" (CDRG)	1.86	0.00	7.24	0.03	0.00	0		0	0.0000	0		0	
Hudson River Trading (HRTX)	1.61	0.00	6.35	0.00	0.00	0		0	0.0000	0		0	
CBOE BYX Exchange (BATY)	1.38	0.00	1.53	1.38	0.21	0		13,372	1.7020	-2,440	-6.0293	-1	-2.3838
MEMX LLC (MEMX)	1.26	0.00	2.78	0.77	0.00	0		-408,363	-25.7743	142,598	32.7317	0	

#### Material Aspects:

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

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## June 2021

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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
99.86	0.06	7.23	44.79	47.92

## 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)
CBOE C2 Exchange (C2OX)	16.24	9.70	4.43	12.31	21.71	2,514	36.2108	-754,864	-42.5235	988,738	39.1287	498,745	18.7624
NYSE Arca Options (ARCO)	13.09	29.86	5.91	17.55	9.98	1,303	11.8719	-592,199	-57.5657	695,632	70.4736	662,312	44.0172
Chicago Board Options Exchange (XCBO)	13.04	4.30	5.54	17.88	9.67	-73	-1.7439	1,703,657	179.7577	233,171	4.1813	-810,908	-27.6395
Nasdaq Options Market (XNDQ)	9.60	0.00	7.91	20.15	0.00	0		-923,718	-43.0344	1,439,493	47.5483	0	
Cboe EDGX Options Exchange (EDGO)	9.21	0.00	6.70	3.68	14.76	0		906,264	76.9900	239,095	13.1097	842,848	48.3928
MIAX Emerald Exchange (EMLD)	8.30	1.39	2.01	1.57	15.54	293	57.3796	-110,881	-42.8569	229,034	42.7828	548,713	29.4338
Nasdaq PHLX (XPHL)	8.03	1.78	3.89	3.21	13.16	-4	-0.3742	802,927	78.7421	259	0.0334	-2,532	-0.2345
Nasdaq ISE (XISX)	7.40	29.31	4.07	1.71	13.20	-180	-1.6564	-89,343	-13.8585	307,718	83.7313	610,262	36.8893
Nasdaq GEMX (GMNI)	4.94	11.04	3.55	10.45	0.00	1,630	36.1921	-432,397	-53.6282	1,160,423	46.4188	-319	-49.3065
Cboe BZX Options Exchange (BATS)	4.46	0.00	6.40	8.92	0.00	0		-1,083,954	-53.3005	1,133,637	65.8306	0	

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