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4th Quarter, 2021

October 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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	100.00%	0%	0.00%	0%

Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d 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(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
UBS ATS (UBSA)	28.89%	28.89%	0.00%	0.00%	0.00%								
NASDAQ - ALL MARKETS (XNAS)	24.44%	24.44%	100.00%	0.00%	100.00%								
NYSE ARCA (ARCX)	24.44%	24.44%	200.00%	0.00%	200.00%								
INVESTORS EXCHANGE (IEXG)	8.89%	8.89%	300.00%	0.00%	300.00%								
MIAX PEARL	4.44%	4.44%	400.00%	0.00%	400.00%								

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Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d 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(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
EQUITIES (EPRL)													
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	2.22%	2.22%	500.00%	0.00%	500.00%								
NASDAQ/N GS (GLOBAL SELECT MARKET) (XNGS)	2.22%	2.22%	600.00%	0.00%	600.00%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	2.22%	2.22%	700.00%	0.00%	700.00%								
KNIGHT LINK (KNLI)	2.22%	2.22%	800.00%	0.00%	800.00%								

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October 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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	23.87%	0%	76.13%	0%

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4th Quarter, 2021

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
	0.00%	0.00%	0.00%	0.00%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	15.88%	5%	0.00%	11%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	13.27%	3%	0.00%	10%	0%								
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	12.51%	3%	0.00%	10%	0%								
MEMX LLC EQUITIES (MEMX)	8.42%	3%	0.00%	6%	0%								
NASDAQ OMX PHLX (XPHL)	4.58%	1%	0.00%	4%	0%								
NASDAQ - ALL MARKETS (XNAS)	2.83%	0%	0.00%	2%	0%								
NASDAQ OMX BX (XBOS)	2.76%	1%	0.00%	2%	0%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	1.94%	0%	0.00%	2%	0%								
LEVEL ATS (LEVL)	1.84%	1%	0.00%	1%	0%								
CITADEL SECURITIES (CDED)	1.53%	1%	0.00%	1%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
UBS ATS (UBSA)	1.05%	0%	0.00%	1%	0%								
MIAX PEARL EQUITIES (EPRL)	0.92%	0%	0.00%	1%	0%								
JANE STREET JX (JSJX)	0.89%	0%	0.00%	1%	0%								
NASDAQ OMX PSX (XPSX)	0.87%	0%	0.00%	1%	0%								
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.52%	0%	0.00%	0%	0%								
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.52%	0%	0.00%	0%	0%								
NYSE MKT LLC (XASE)	0.46%	0%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.45%	0%	0.00%	0%	0%								
CREDIT SUISSE AES CROSSFINDER (CAES)	0.39%	0%	0.00%	0%	0%								
SIGMA X2 (SGMT)	0.36%	0%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.32%	0%	0.00%	0%	0%								
KNIGHT LINK (KNLI)	0.29%	0%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS (BAML)	0.28%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.22%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.16%	0%	0.00%	0%	0%								
POSIT (ITGI)	0.05%	0%	0.00%	0%	0%								
INSTINET CBX (US) (ICBX)	0.05%	0%	0.00%	0%	0%								
BNPP CORTEX ATS (BNPC)	0.04%	0%	0.00%	0%	0%								
TWO SIGMA SECURITIES, LLC (SOHO)	0.04%	0%	0.00%	0%	0%								
INTELLIGENTCR OSS (INCR)	0.01%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING (HRTX)	0.00%	0%	0.00%	0%	0%								

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November 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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	73.33%	0%	26.67%	0%

Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d 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(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CITADEL SECURITIES (CDED)	33.33%	33.33%	0.00%	0.00%	0.00%				,				
NASDAQ/N GS (GLOBAL SELECT MARKET) (XNGS)	33.33%	0.00%	0.00%	33.33%	0.00%								
INVESTORS EXCHANGE (IEXG)	33.33%	33.33%	0.00%	0.00%	0.00%								

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4th Quarter, 2021

November 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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	66.67%	0%	33.33%	0%

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
	0.00%	0.00%	0.00%	0.00%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	14.51%	4%	0.00%	11%	0%								
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	14.44%	5%	0.00%	9%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	11.62%	2%	0.00%	10%	0%								
MEMX LLC EQUITIES (MEMX)	7.58%	2%	0.00%	6%	0%								

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November 2021

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
NEW YORK STOCK EXCHANGE, INC. (XNYS)	6.71%	3%	0.00%	4%	0%								
NASDAQ - ALL MARKETS (XNAS)	6.43%	4%	0.00%	2%	0%								
NYSE MKT LLC (XASE)	4.12%	4%	0.00%	0%	0%								
LEVEL ATS (LEVL)	2.35%	2%	0.00%	1%	0%								
CITADEL SECURITIES (CDED)	1.76%	1%	0.00%	1%	0%								
UBS ATS (UBSA)	1.18%	1%	0.00%	1%	0%								
MIAX PEARL EQUITIES (EPRL)	0.89%	0%	0.00%	1%	0%								
JANE STREET JX (JSJX)	0.87%	1%	0.00%	0%	0%								
NASDAQ OMX PSX (XPSX)	0.79%	0%	0.00%	1%	0%								
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.60%	0%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.60%	0%	0.00%	0%	0%								
KNIGHT LINK (KNLI)	0.51%	0%	0.00%	0%	0%								

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November 2021

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents	Net Payment Paid/ Received for Marketable Limit	Net Payment Paid/ Received for Marketable Limit Orders(cen	Net Payment Paid/ Received for NonMarketa ble Limit	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents	Net Payment Paid/Receiv ed for Other Orders(USD	Net Payment Paid/ Received for Other Orders(ce nts per
							per hundred shares)	Orders(US D)	ts per hundred shares)	Orders(USD)	per hundred shares))	hundred shares)
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.46%	0%	0.00%	0%	0%								
BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS (BAML)	0.43%	0%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.38%	0%	0.00%	0%	0%								
CREDIT SUISSE AES CROSSFINDER (CAES)	0.31%	0%	0.00%	0%	0%								
NASDAQ OMX BX (XBOS)	0.30%	0%	0.00%	0%	0%								
SIGMA X2 (SGMT)	0.28%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.20%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.14%	0%	0.00%	0%	0%								
BARCLAYS ATS (BARX)	0.10%	0%	0.00%	0%	0%								
NASDAQ OMX PHLX (XPHL)	0.10%	0%	0.00%	0%	0%								

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November 2021

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
TWO SIGMA SECURITIES, LLC (SOHO)	0.09%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING (HRTX)	0.08%	0%	0.00%	0%	0%								
BNPP CORTEX ATS (BNPC)	0.06%	0%	0.00%	0%	0%								
INSTINET CBX (US) (ICBX)	0.06%	0%	0.00%	0%	0%								
POSIT (ITGI)	0.05%	0%	0.00%	0%	0%								
INSTINET DESK CROSS (INCA)	0.01%	0%	0.00%	0%	0%								
CODA MARKETS - MICRO AND BLOCK (CODA)	0.01%	0%	0.00%	0%	0%								
INTELLIGENTCR OSS (INCR)	0.01%	0%	0.00%	0%	0%								
INTELLIGENTCR OSS ASPEN INTELLIGENT BID/OFFER (ASPN)	0.00%	0%	0.00%	0%	0%								
MS POOL (MSPL)	0.00%	0%	0.00%	0%	0%								

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December 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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	22.50%	0%	77.50%	0%

Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d 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(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
CITADEL SECURITIES (CDED)	32.50%	5.00%	0.00%	27.50%	0.00%								
NYSE ARCA (ARCX)	20.00%	5.00%	100.00%	15.00%	100.00%								
NASDAQ/N GS (GLOBAL SELECT MARKET) (XNGS)	20.00%	7.50%	200.00%	12.50%	200.00%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	7.50%	0.00%	300.00%	7.50%	300.00%								

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Venue - Non- directed Order Flow	Non Directed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d 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(cent s per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(cen ts per hundred shares)
U.S. EQUITIES EXCHANGE (EDGX)	7.50%	0.00%	400.00%	7.50%	400.00%								
NASDAQ - ALL MARKETS (XNAS)	2.50%	2.50%	500.00%	0.00%	500.00%								
UBS ATS (UBSA)	2.50%	0.00%	600.00%	2.50%	600.00%								
MEMX LLC EQUITIES (MEMX)	2.50%	0.00%	700.00%	2.50%	700.00%								
#N/A	0.00%	0.00%	800.00%	0.00%	800.00%			·					
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	2.50%	0.00%	900.00%	2.50%	900.00%								

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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 NonDirected Orders	Non- Marketable Limit Orders as % of NonDirected Orders	Other Orders as % of Non- Directed Orders
100%	52.37%	0%	47.63%	0%

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
	19.57%	16%	0.00%	3%	0%								
NYSE ARCA (ARCX)	14.22%	5%	0.00%	9%	0%								
CBOE BZX U.S. EQUITIES EXCHANGE (BATS)	11.06%	3%	0.00%	8%	0%								
CBOE EDGX U.S. EQUITIES EXCHANGE (EDGX)	10.84%	5%	0.00%	5%	0%								
NASDAQ/NGS (GLOBAL SELECT MARKET) (XNGS)	7.15%	2%	0.00%	5%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
MEMX LLC EQUITIES (MEMX)	7.00%	3%	0.00%	4%	0%								
NEW YORK STOCK EXCHANGE, INC. (XNYS)	5.33%	1%	0.00%	4%	0%								
NASDAQ - ALL MARKETS (XNAS)	4.65%	3%	0.00%	2%	0%								
JANE STREET JX (JSJX)	2.78%	2%	0.00%	0%	0%								
LEVEL ATS (LEVL)	2.57%	2%	0.00%	0%	0%								
UBS ATS (UBSA)	1.94%	1%	0.00%	1%	0%								
KNIGHT LINK (KNLI)	1.53%	1%	0.00%	0%	0%								
BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS (BAML)	1.51%	1%	0.00%	0%	0%								
CITADEL SECURITIES (CDED)	1.26%	1%	0.00%	1%	0%								
NYSE MKT LLC (XASE)	1.04%	1%	0.00%	0%	0%								
CREDIT SUISSE AES CROSSFINDER (CAES)	0.95%	1%	0.00%	0%	0%								
NYSE NATIONAL, INC. (XCIS)	0.85%	1%	0.00%	0%	0%								

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Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
MIAX PEARL EQUITIES (EPRL)	0.80%	0%	0.00%	1%	0%								
CBOE EDGA U.S. EQUITIES EXCHANGE (EDGA)	0.78%	1%	0.00%	0%	0%								
INVESTORS EXCHANGE (IEXG)	0.78%	0%	0.00%	0%	0%								
NASDAQ OMX BX (XBOS)	0.72%	1%	0.00%	0%	0%								
CBOE BYX U.S. EQUITIES EXCHANGE (BATY)	0.67%	0%	0.00%	0%	0%								
BARCLAYS ATS (BARX)	0.50%	1%	0.00%	0%	0%								
NASDAQ OMX PSX (XPSX)	0.44%	0%	0.00%	0%	0%								
SIGMA X2 (SGMT)	0.33%	0%	0.00%	0%	0%								
JPMX (JPMX)	0.24%	0%	0.00%	0%	0%								
VIRTU MATCHIT - MAIN CROSSING SESSION (VFMI)	0.13%	0%	0.00%	0%	0%								
BNPP CORTEX ATS (BNPC)	0.08%	0%	0.00%	0%	0%								

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4th Quarter, 2021

Venue - Non- directed Order Flow	NonDirect ed Orders (%)	Market Orders (%)	Marketab le Limit Orders (%)	NonMarketa ble Limit Orders (%)	Other Orders (%)	Net Payment Paid/Receive d for Market Orders(USD)	Net Payment Paid/ Received for Market Orders(cents per hundred shares)	Net Payment Paid/ Received for Marketable Limit Orders(US D)	Net Payment Paid/ Received for Marketable Limit Orders(cen ts per hundred shares)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(USD)	Net Payment Paid/ Received for NonMarketa ble Limit Orders(cents per hundred shares)	Net Payment Paid/Receiv ed for Other Orders(USD)	Net Payment Paid/ Received for Other Orders(ce nts per hundred shares)
INSTINET CBX (US) (ICBX)	0.08%	0%	0.00%	0%	0%								
TWO SIGMA SECURITIES, LLC (SOHO)	0.05%	0%	0.00%	0%	0%								
POSIT (ITGI)	0.05%	0%	0.00%	0%	0%								
HUDSON RIVER TRADING (HRTX)	0.04%	0%	0.00%	0%	0%								
NASDAQ OMX PHLX (XPHL)	0.02%	0%	0.00%	0%	0%								
INTELLIGENTCR OSS (INCR)	0.01%	0%	0.00%	0%	0%								
INTELLIGENTCR OSS ASPEN INTELLIGENT BID/OFFER (ASPN)	0.00%	0%	0.00%	0%	0%								
MS POOL (MSPL)	0.00%	0%	0.00%	0%	0%								