

Executed / Retail

Class of Instrument	Equities – Shares & Depository Receipts / Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
LONDON STOCK EXCHANGE F226TOH6YD6XJB17KS62	24.26%	17.25%	81.14%	16.9%	0%
PEEL HUNT LLP 5493007DWN0R4YBM4C84	23.02%	26.64%	N/A	N/A	0%
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	17.28%	26.51%	N/A	N/A	0%
INVESTEC BANK PLC 84S0VF8TSMHOT6D4K848	9.72%	7.14%	N/A	N/A	0%
STIFEL NICOLAUS EUROPE LIMITED 213800BVEFNZ8UYPKL03	6.54%	4.03%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Equities – Shares & Depository Receipts / Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
PEEL HUNT LLP 5493007DWNOR4YBM4C84	18.16%	24.69%	N/A	N/A	0%
NUMIS SECURITIES LIMITED 213800P3F4RT97WDSX47	18%	14.81%	N/A	N/A	0%
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	12.54%	15.95%	N/A	N/A	0%
LONDON STOCK EXCHANGE F226TOH6YD6XJB17KS62	9.6%	6.76%	71.15%	27.86%	0%
INVESTEC BANK PLC 84SOVF8TSMHOT6D4K848	7%	5.79%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 1 and 2 (from 0 to 79 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	16.19%	17.37%	N/A	N/A	0%
PEEL HUNT LLP 5493007DWN0R4YBM4C84	13.36%	15.82%	N/A	N/A	0%
NUMIS SECURITIES LIMITED 213800P3F4RT97WDSX47	12.13%	11.06%	N/A	N/A	0%
CANTOR FITZGERALD EUROPE 549300KM6VUHPKQLQX53	9.07%	9.06%	N/A	N/A	0%
J. P. MORGAN SECURITIES PLC K6Q0W1PS1L1O4IQL9C32	7.93%	6.12%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Debt Instruments / Bonds				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J. P. MORGAN SECURITIES PLC K6Q0W1PS1L1O4IQL9C32	32.82%	31.54%	N/A	N/A	0%
WINTERFLOOD GILTS LIMITED 213800BD519H2YV9R748	14.58%	19.01%	N/A	N/A	0%
HSBC BANK PLCMP6I5ZYZBEU3UXPYFY54	14.09%	15.6%	N/A	N/A	0%
LLOYDS BANK CORPORATE MARKETS PLC 213800MBWEIJD5CU638	6.18%	6.6%	N/A	N/A	0%
NATWEST MARKETS PLC RR3QWICWWIPCS8A4S074	5.77%	1.77%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Debt Instruments / Money markets instruments				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
THE TORONTO-DOMINION BANK PT3QB789TSUIDF371261	100%	100%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
PEEL HUNT LLP 5493007DWN0R4YBM4C84	34.13%	29.3%	N/A	N/A	0%
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	22.79%	25.24%	N/A	N/A	0%
WINTERFLOOD GILTS LIMITED 213800BD519H2YV9R748	12.11%	10.79%	N/A	N/A	0%
STIFEL NICOLAUS EUROPE LIMITED 213800BVEFNZ8UYPKL03	11.26%	11.22%	N/A	N/A	0%
FLOW TRADERS B.V 549300CLJ9XDH12XV51	10.51%	13.5%	N/A	N/A	0%

Executed / Retail

Class of Instrument	Other instruments				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
MAITLAND INSTITUTIONAL SERVICES LIMITED 549300P2JF82DYWEXW33	7.8%	5.28%	N/A	N/A	0%
POLAR CAPITAL LLP 4YW3JKTZ3K1II2GVCK15	6.5%	6.31%	N/A	N/A	0%
ARTEMIS INVESTMENT MANAGEMENT LLP 549300O5ON1W961H4K22	6%	5.23%	N/A	N/A	0%
CG PORTFOLIO FUND PLC 213800YBSNYORP1ABE18	4.59%	3.63%	N/A	N/A	0%
LINK FUND SOLUTIONS LIMITED 213800X5W8ARSPPOOG16	4.11%	5.14%	N/A	N/A	0%

Executed / Professional

Class of Instrument	Equities – Shares & Depository Receipts / Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
LONDON STOCK EXCHANGE F226TOH6YD6XJB17KS62	47.26%	44.23%	69.7%	21.84%	0%
INVESTEC BANK PLC 84SOVF8TSMHOT6D4K848	18.46%	12.98%	N/A	N/A	0%
JEFFERIES INTERNATIONAL LTD S5THZMDUJCTQZBTRVI98	8.69%	7.21%	N/A	N/A	0%
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	6.64%	8.66%	N/A	N/A	0%
PEEL HUNT LLP 5493007DWNOR4YBM4C84	5.27%	12.02%	N/A	N/A	0%

Executed / Professional

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	27.63%	28%	N/A	N/A	0%
LONDON STOCK EXCHANGE F226TOH6YD6XJB17KS62	17.12%	16%	66.75%	26.35%	0%
PEEL HUNT LLP 5493007DWN0R4YBM4C84	13.71%	18%	N/A	N/A	0%
LONDON STOCK EXCHANGE – AIM F226TOH6YD6XJB17KS62	11.44%	10%	77.42%	22.58%	0%
NUMIS SECURITIES LIMITED 213800P3F4RT97WDSX47	7.83%	3%	N/A	N/A	0%

Executed / Professional

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 1 and 2 (from 0 to 79 trades per day)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
WINTERFLOOD SECURITIES LIMITED 8BRUP6V1DX3PIG2R0745	15.86%	19.33%	N/A	N/A	0%
NPLUS1 SINGER CAPITAL MARKET 213800ITO7QMNQ9SFG53	11.38%	7.57%	N/A	N/A	0%
INVESTEC BANK PLC 84SOVF8TSMHOT6D4K848	11.35%	6.72%	N/A	N/A	0%
NUMIS SECURITIES LIMITED 213800P3F4RT97WDSX47	10.26%	7.56%	N/A	N/A	0%
PEEL HUNT LLP 5493007DWN0R4YBM4C84	7.89%	9.25%	N/A	N/A	0%

Executed / Professional

Class of Instrument	Debt Instruments / Bonds				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J. P. MORGAN SECURITIES PLC K6Q0W1PS1L1O4IQL9C32	83.19%	13.33%	N/A	N/A	0%
TD SECURITIES LTD H71H6FPHX49CGFTF4J23	10.31%	46.67%	N/A	N/A	0%
NATWEST MARKETS PLC RR3QWICWWIPCS8A4S074	5%	20%	N/A	N/A	0%
GOLDMAN SACHS INTERNATIONAL W22LROWP2IHZNBB6K528	1.25%	6.67%	N/A	N/A	0%
WINTERFLOOD GILTS LIMITED 213800BD519H2YV9R748	0.25%	13.33%	N/A	N/A	0%

Executed / Professional

Class of Instrument	Other instruments				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
LINSELL TRAIN LIMITED 54930025YVVG3BVMRC26	42.3%	37.5%	N/A	N/A	0%
FUNDSMITH LLP 213800M2ZZU4WORQU863	41.89%	5.24%	N/A	N/A	0%
LINK FUND SOLUTIONS LIMITED 213800X5W8ARSPPOOG16	15.81%	25%	N/A	N/A	0%

Transmitted / Retail

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	99.19%	99.63%	N/A	N/A	0%
RAYMOND JAMES FINANCIAL INTERNATIONAL LIMITED 213800GH3F4OW1COOV72	0.53%	0.13%	N/A	N/A	0%
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	0.28%	0.24%	N/A	N/A	0%

Transmitted / Retail

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	93.67%	91.33%	N/A	N/A	0%
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	5.89%	8.01%	N/A	N/A	0%
RAYMOND JAMES FINANCIAL INTERNATIONAL LIMITED 213800GH3F4OW1COOV72	0.44%	0.66%	N/A	N/A	0%

Transmitted / Retail

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 1 and 2 (from 0 to 79 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	84.01%	84.42%	N/A	N/A	0%
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT9	15.73%	15.46%	N/A	N/A	0%
JEFFERIES INTERNATIONAL LTD S5THZMDUJCTQZBTRVI98	0.14%	0.03%	N/A	N/A	0%
RAYMOND JAMES FINANCIAL INTERNATIONAL LIMITED 213800GH3F4OW1COOV72	0.09%	0.06%	N/A	N/A	0%
TELLIMER GROUP 2138002GNKN2GGDA1W76	0.03%	0.03%	N/A	N/A	0%

Transmitted / Retail

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	100%	100%	N/A	N/A	0%

Transmitted / Professional

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if <1 average trade per business day in previous year	N				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	87.58%	87.76%	N/A	N/A	0%
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	12.42%	12.24%	N/A	N/A	0%

Transmitted / Professional

Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	72.15%	74.67%	N/A	N/A	0%
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	27.85%	25.33%	N/A	N/A	0%

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Class of Instrument	Equities – Shares & Depositary Receipts / Tick size liquidity bands 1 and 2 (from 0 to 79 trades per day)				
Notification if <1 average trade per business day in previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
MAYBANK KIM ENG SECURITIES 2138004J5VSRWX5VMN77	68.72%	63.11%	N/A	N/A	0%
VIRTU FINANCIAL IRELAND LIMITED 549300346EFUPFCXJT79	27.01%	30.58%	N/A	N/A	0%
TELLIMER GROUP 2138002GNKN2GGDA1W76	4.27%	6.31%	N/A	N/A	0%