

Class of Instrument	Equities - Shares and Depository Receipts				
Notification if <1 average trade per business day in the 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
Instinet Europe Limited - 213800MXAKR2LA1VBM44	13.35	14.08	N/A	N/A	0
Autonomous Research LLP - 213800LBM6PT85IGM996	12.65	12.29	N/A	N/A	0
RBC Europe Limited - TXDSU46SXBWIGJ8G8E98	5.92	2.38	N/A	N/A	0
Numis Securities Limited - 213800P3F4RT97WDSX47	4.75	4.98	N/A	N/A	0
Merrill Lynch International - GGDZP1UYGU9STUHRDP48	3.47	1.47	N/A	N/A	0

Class of Instrument	Debt Instruments: Bonds				
Notification if <1 average trade per business day in the 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
JP Morgan Securities Plc - K6Q0W1PS1L1O4IQL9C32	21.94	22.16	N/A	N/A	0
Merrill Lynch International - GGDZP1UYGU9STUHRDP48	15.46	13.3	N/A	N/A	0
Deutsche Bank AG - 7LTFWFZYICNSX8D621K86	15.28	12.94	N/A	N/A	0
Citigroup Global Markets Limited - XKZZ2JZF41MRHTR1V493	10.78	11.7	N/A	N/A	0
Morgan Stanley & Co. International PLC - 4PQUHN3JPF GFNF3BB653	10.37	8.87	N/A	N/A	0

Class of Instrument	Currency derivatives: (Swaps - Forwards and other currency derivatives)				
Notification if <1 average trade per business day in the 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
BNY Mellon Capital Markets EMEA Limited - 213800O5FBGOWU89LN14	71.7	64.49	N/A	N/A	0
Brown Brothers Harriman & Co. - 5493006KMX1VFTPYPW14	28.3	35.51	N/A	N/A	0

Class of Instrument	Equity Derivatives (Options and Futures admitted to trading on a trading venue)				
Notification if <1 average trade per business day in the 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
RBC Europe Limited - TXDSU46SXBWIGJ8G8E98	100	100	N/A	N/A	0

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 the 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
Flow trader B.V. - 549300CLJI9XDH12XV51	65.26	36.84	N/A	N/A	0
Bloomberg Tradebook Europe Limited - 5493002FO2Q9EGLQ2416	27.42	57.89	N/A	N/A	0
Autonomous Research LLP - 213800LBM6PT85IGM996	7.32	5.26	N/A	N/A	0