Top 5 brokers 2022

Top 5 brokers retail

Class of Instrument	Equities-Shares Depository Receipts band 5-6						
Notification if <1 average trade per business day in the previous year	Ν						
Top 5 Brokers ranked in terms of volume (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		
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	49,7%	72,2%	N/A	N/A	0,0%		
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	29,6%	21,1%	N/A	N/A	0,0%		
969500219DJHZ3449066 ODDO BHF SCA	12,2%	1,0%	N/A	N/A	0,0%		
BFM8T61CT2L1QCEMIK50 UBS AG	6,0%	5,2%	N/A	N/A	0,0%		
6EWKU0FGVX5QQJHFGT48 BNP PARIBAS ARBITRAGE	0,9%	0,1%	N/A	N/A	0,0%		
Class of Instrument	Equities-Shares I	Depository Receipts	s band 3-4				
Notification if <1 average trade per business day in the previous year	N						
Top 5 Brokers ranked in terms of volume (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		
	volume traded as a percentage of total	orders executed as percentage of total					
volume (descending order) 213800EEC95PRUCEUP63	volume traded as a percentage of total in that class	orders executed as percentage of total in that class	passive orders	aggressive orders	directed orders		
volume (descending order) 213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED 6TJCK1B7E7UTXP528Y04	volume traded as a percentage of total in that class	orders executed as percentage of total in that class 71,1%	passive orders	aggressive orders	directed orders		
volume (descending order) 213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 9695002I9DJHZ3449066	volume traded as a percentage of total in that class 62,8% 12,9%	orders executed as percentage of total in that class 71,1% 21,5%	passive orders N/A N/A	aggressive orders N/A N/A	directed orders 0,0% 0,0%		

Class of Instrument	Equities-Shares Depository Receipts band 1-2						
Notification if <1 average trade per business day in the previous year	Ν						
Top 5 Brokers ranked in terms of volume (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		
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	54,5%	80,7%	N/A	N/A	0,0%		
BFM8T61CT2L1QCEMIK50 UBS AG	18,4%	9,0%	N/A	N/A	0,0%		
969500219DJHZ3449066 ODDO BHF SCA	8,0%	0,6%	N/A	N/A	0,0%		
549300SXSTGQY3EA1B18 RBC Capital Markets (Europe) GmbH	6,7%	0,7%	N/A	N/A	0,0%		
549300W0IFUSNYH0FL22 UBS Switzerland AG	3,9%	0,9%	N/A	N/A	0,0%		
Class of Instrument	Debt Instruments	s-Bonds					
Notification if <1 average trade per business day in the previous year	Y						
Top 5 Brokers ranked in terms of volume (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		
BFM8T61CT2L1QCEMIK50 UBS AG	96,2%	98,7%	N/A	N/A	0,0%		
O2RNE8IBXP4R0TD8PU41 SOCIETE GENERALE	2,5%	0,6%	N/A	N/A	0,0%		
54930056FHWP7GIWYY08 MORGAN STANLEY EUROPE SE	1,3%	0,6%	N/A	N/A	0,0%		
549300CLJI9XDH12XV51 Flow Traders B.V.	0,1%	0,1%	N/A	N/A	0,0%		
Class of Instrument	Structured Finance Instruments						
Notification if <1 average trade per business day in the previous year	Y						
Top 5 Brokers ranked in terms of volume (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		
2G5BKIC2CB69PRJH1W31 BARCLAYS BANK IRELAND PUBLIC LIMITED COMPANY	25,3%	1,9%	N/A	N/A	0,0%		
549300ZHEHX8M31RP142 JANE STREET FINANCIAL LIMITED	22,5%	9,1%	N/A	N/A	0,0%		
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	22,1%	76,4%	N/A	N/A	0,0%		
54930056FHWP7GIWYY08 MORGAN STANLEY EUROPE SE	11,7%	4,4%	N/A	N/A	0,0%		

549300CLJI9XDH12XV51 Flow Traders B.V.

11,5%

3,3%

N/A

N/A

0,0%

		0					
Class of Instrument	Equity Derivatives-Options and Futures						
Notification if <1 average trade per business day in the previous year	Ν						
Top 5 Brokers ranked in terms of volume (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		
BFM8T61CT2L1QCEMIK50 UBS AG	100.0%	100.0%	N/A	N/A	0.0%		
Class of Instrument	Securitized Derivatives-Other Securitized Derivatives						
Notification if <1 average trade per business day in the previous year	Ν						
Top 5 Brokers ranked in terms of volume (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		
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	94,5%	72,6%	N/A	N/A	0,0%		
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	4,6%	17,7%	N/A	N/A	0,0%		
BFM8T61CT2L1QCEMIK50 UBS AG	0,7%	4,8%	N/A	N/A	0,0%		
5493000JJX6CVVUXLE15 RBC DOMINION SECURITIES INC.	0,2%	3,2%	N/A	N/A	0,0%		
549300WOIFUSNYHOFL22 UBS Switzerland AG	0,0%	1,6%	N/A	N/A	0,0%		
Class of Instrument	Securitized Derivatives-Other Securitized Derivatives						
Notification if <1 average trade per business day in the previous year	Ν						
Top 5 Brokers ranked in terms of volume (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		
	volume traded as a percentage of total	orders executed as percentage of total		• •			
volume (descending order) BFM8T61CT2L1QCEMIK50	volume traded as a percentage of total in that class	orders executed as percentage of total in that class	passive orders	aggressive orders	directed orders		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04	volume traded as a percentage of total in that class	orders executed as percentage of total in that class 0,1%	passive orders	aggressive orders	directed orders		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15	volume traded as a percentage of total in that class 60,1% 39,9% 0,0%	orders executed as percentage of total in that class 0,1% 99,8%	passive orders N/A N/A N/A	aggressive orders N/A N/A	directed orders 0,0% 0,0%		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC.	volume traded as a percentage of total in that class 60,1% 39,9% 0,0%	orders executed as percentage of total in that class 0,1% 99,8% 0,0%	passive orders N/A N/A N/A	aggressive orders N/A N/A	directed orders 0,0% 0,0%		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC. Class of Instrument Notification if <1 average trade per business day in the previous year	volume traded as a percentage of total in that class 60,1% 39,9% 0,0% Exchange traded N Proportion of volume traded as a percentage of total	orders executed as percentage of total in that class 0,1% 99,8% 0,0% products-Exchang Proportion of orders executed as percentage of total	passive orders N/A N/A N/A e traded funds	aggressive orders N/A N/A N/A Percentage of	directed orders 0,0% 0,0% 0,0% Percentage of		
Volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC. Class of Instrument Notification if <1 average trade per business day in the previous year Top 5 Brokers ranked in terms of volume (descending order) 6TJCK1B7E7UTXP528Y04	volume traded as a percentage of total in that class 60,1% 39,9% 0,0% Exchange traded N Proportion of volume traded as a percentage of total in that class	orders executed as percentage of total in that class 0,1% 99,8% 0,0% products-Exchang Proportion of orders executed as percentage of total in that class	passive orders N/A N/A N/A N/A e traded funds Percentage of passive orders	aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	directed orders 0,0% 0,0% 0,0% Percentage of directed orders		
Volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC. Class of Instrument Notification if <1 average trade per business day in the previous year	volume traded as a percentage of total in that class 60,1% 39,9% 0,0% Exchange traded N Proportion of volume traded as a percentage of total in that class 37,4%	orders executed as percentage of total in that class 0,1% 99,8% 0,0% products-Exchang Proportion of orders executed as percentage of total in that class	passive orders N/A N/A N/A N/A e traded funds Percentage of passive orders N/A	aggressive orders N/A N/A N/A N/A Percentage of aggressive orders N/A	directed orders 0,0% 0,0% 0,0% Percentage of directed orders 0,0%		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC. Class of Instrument Notification if <1 average trade per business day in the previous year Top 5 Brokers ranked in terms of volume (descending order) 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300ZHEHX8M31RP142	volume traded as a percentage of total in that class 60,1% 39,9% 0,0% Exchange traded N Proportion of volume traded as a percentage of total in that class	orders executed as percentage of total in that class 0,1% 99,8% 0,0% products-Exchang Proportion of orders executed as percentage of total in that class	passive orders N/A N/A N/A N/A e traded funds Percentage of passive orders	aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	directed orders 0,0% 0,0% 0,0% Percentage of directed orders		
volume (descending order) BFM8T61CT2L1QCEMIK50 UBS AG 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300QJJX6CVVUXLE15 RBC DOMINION SECURITIES INC. Class of Instrument Notification if <1 average trade per business day in the previous year Top 5 Brokers ranked in terms of volume (descending order) 6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG 549300ZHEHX8M31RP142 JANE STREET FINANCIAL LIMITED 549300CLJI9XDH12XV51	volume traded as a percentage of total in that class 60,1% 39,9% 0,0% Exchange traded N Proportion of volume traded as a percentage of total in that class 37,4% 20,9%	orders executed as percentage of total in that class 0,1% 999,8% 0,0% 0,0% products-Exchang Proportion of orders executed as percentage of total in that class 78,9% 3,6%	passive orders N/A N/A N/A N/A e traded funds Percentage of passive orders N/A N/A N/A	aggressive orders N/A N/A N/A N/A Percentage of aggressive orders N/A N/A N/A	directed orders 0,0% 0,0% 0,0% Percentage of directed orders 0,0% 0,0%		

Top 5 brokers professional

	Equition Shares Depository Presints hand E.6					
Class of Instrument	Equities-Shares Depository Receipts band 5-6					
Notification if <1 average trade per business day in the previous year	Ν					
Top 5 Brokers ranked in terms of volume (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	
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	39,0%	28,3%	N/A	N/A	0,0%	
969500219DJHZ3449066 ODDO BHF SCA	35,9%	0,2%	N/A	N/A	0,0%	
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	21,6%	67,4%	N/A	N/A	0,0%	
BFM8T61CT2L1QCEMIK50 UBS AG	3,4%	4,0%	N/A	N/A	0,0%	
549300WOIFUSNYHOFL22 UBS Switzerland AG	0,0%	0,1%	N/A	N/A	0,0%	
Class of Instrument	Equities-Shares D	epository Receipts b	and 3-4			
Notification if <1 average trade per business day in the previous year	N					
Top 5 Brokers ranked in terms of volume (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	
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	58,2%	75,7%	N/A	N/A	0,0%	
969500219DJHZ3449066 ODDO BHF SCA	26,2%	0,3%	N/A	N/A	0,0%	
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	9,9%	17,7%	N/A	N/A	0,0%	
BFM8T61CT2L1QCEMIK50 UBS AG	5,0%	4,1%	N/A	N/A	0,0%	
549300W0IFUSNYH0FL22 UBS Switzerland AG	0,7%	2,2%	N/A	N/A	0,0%	
Class of Instrument	Equities-Shares De	epository Receipts b	and 1-2			
Notification if <1 average trade per business day in the previous year	N					
Top 5 Brokers ranked in terms of volume (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	
969500219DJHZ3449066 ODDO BHF SCA	50,4%	0,5%	N/A	N/A	0,0%	
213800EEC95PRUCEUP63 VIRTU EUROPE TRADING LIMITED	26,6%	66,2%	N/A	N/A	0,0%	
BFM8T61CT2L1QCEMIK50 UBS AG	12,8%	10,9%	N/A	N/A	0,0%	
549300SXSTGQY3EA1B18 RBC Capital Markets (Europe)	_,	,		-, · ·	-,	

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6TJCK1B7E7UTXP528Y04						
Citigroup Global Markets						
Europe AG	3,3%	17,6%	N/A	N/A	0,0%	
		D				
Class of Instrument	Debt Instruments-Bonds					
Notification if <1 average						
trade per business day in the previous year	Y					
	Proportion of	Proportion of				
	volume traded as a	orders executed as				
Top 5 Brokers ranked in terms of volume (descending order)	percentage of total in that class	percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
BFM8T61CT2L1QCEMIK50	III that class		passive orders	aggressive orders		
UBS AG	100.0%	100.0%	N/A	N/A	0.0%	
				•		
Class of Instrument	Structured Financ	e Instruments				
Notification if <1 average						
trade per business day in the	V					
previous year	Y					
	Proportion of volume traded as a	Proportion of orders executed as				
Top 5 Brokers ranked in terms	percentage of total	percentage of total	Percentage of	Percentage of	Percentage of	
of volume (descending order)	in that class	in that class	passive orders	aggressive orders	directed orders	
02RNE8IBXP4R0TD8PU41 SOCIETE GENERALE	67,9%	13,9%	N/A	N/A	0,0%	
6TJCK1B7E7UTXP528Y04						
Citigroup Global Markets						
Europe AG	18,4%	83,3%	N/A	N/A	0,0%	
549300CLJI9XDH12XV51 Flow Traders B.V.	13,8%	2,8%	N/A	N/A	0,0%	
	10,070	2,070				
Class of Instrument	Equity Derivatives	-Options and Futures	3			
Notification if <1 average						
trade per business day in the	N.					
previous year	Y					
	Proportion of volume traded as a	Proportion of orders executed as				
Top 5 Brokers ranked in terms	percentage of total	percentage of total	Percentage of	Percentage of	Percentage of	
of volume (descending order)	in that class	in that class	passive orders	aggressive orders	directed orders	
BFM8T61CT2L1QCEMIK50 UBS AG	100.0%	100.0%	N/A	N/A	0.0%	
000 NU	100.070	100.070			0.070	
Class of Instrument	Securitized Derivatives-Warrants and Certificate Derivatives					
Notification if <1 average						
trade per business day in the						
previous year	Y					
	Proportion of	Proportion of				
Top 5 Brokers ranked in terms	volume traded as a percentage of total	orders executed as percentage of total	Percentage of passive	Percentage of	Percentage of	
of volume (descending order)	in that class	in that class	orders	aggressive orders	directed orders	
BFM8T61CT2L1QCEMIK50			N1 / A	N/A	0,0%	
BFM8T61CT2L1QCEMIK50 UBS AG	58,3%	50,0%	N/A	N/A	0,0 /0	
	58,3%	50,0%	N/A	N/A	0,0 /0	
UBS AG	58,3%	50,0%	N/A	N/A	0,0%	

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Class of Instrument	Securitized Derivatives-Other Securitized Derivatives				
Notification if <1 average trade per business day in the previous year	Y				
Top 5 Brokers ranked in terms of volume (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
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	100%	100%	N/A	N/A	0,0%
Class of Instrument	Exchange traded n	roducts-Exchange tra	aded funds		
Notification if <1 average trade per business day in the previous year	Y				
Top 5 Brokers ranked in terms of volume (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
969500219DJHZ3449066 ODDO BHF SCA	26,5%	1,7%	N/A	N/A	0,0%
549300ZHEHX8M31RP142 JANE STREET FINANCIAL LIMITED	14,6%	0,7%	N/A	N/A	0,0%
6TJCK1B7E7UTXP528Y04 Citigroup Global Markets Europe AG	12,8%	47,4%	N/A	N/A	0,0%
635400IAV22ZOU1NFS89 Susquehanna International Securities Limited	10,7%	0,3%	N/A	N/A	0,0%
O2RNE8IBXP4R0TD8PU41 SOCIETE GENERALE	10,1%	0,3%	N/A	N/A	0,0%