NATIONAL SECURITIES SINGLE MEMBER SA (the "Company"), for the transactions in execution venues where it has no direct access, transmits its clients' orders to third investment firms or credit institutions. In this case, the Company relies on the best execution policy of such third parties, upon review and monitoring. In this context, the Company in accordance with the Delegated Regulation (EU) 2017/565 of the Commission (art. 65 par. 6), summarizes and publishes on an annual basis for each category of financial instruments, the top five investment companies -in terms of trading volume- to which it transmitted or executed its clients' orders, as well as data related to the quality of execution. The published information refers to Retail and Professional clients and follows the format set out in Annex II of the Delegated Regulation (EU) 2017/576 of the Commission.

CATEGORY OF INSTRUMENT	2022				
		FOREIGN EQUITIES			
CLIENT CATEGORY		RETAIL	1		
Disclosure if <1 of the average transaction per business day during the previous year		0			
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Brokers LEI COWEN EXECUTION 213800SS94VGJTFLIG64					
SERVICE LIMITED INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	45% 55%		N/A N/A	N/A N/A	100% 100%
W	2022				
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	2022	FOREIGN EQUITIES PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED 213800SS94VGJTFLIG64	6%	4%	N/A	N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	94%		N/A	N/A	100%
Year	2022				
CATEGORY OF INSTRUMENT CLIENT CATEGORY	-	FOREIGN EXCHANGE DERIVATI RETAIL	VES		
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86	30% 70%		N/A N/A	N/A N/A	1009 1009
			_		
Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	2022	FOREIGN EXCHANGE DERIVATION	VES		
Disclosure if <1 of the average transaction per business		0			
day during the previous year					
	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Brokers LEI	transaction as a percentage of the total volume in the specific category	percentage of the total orders in the specific category	of passive orders	aggressive orders	directed orders
	transaction as a percentage of the total	percentage of the total orders in	of passive orders	aggressive	-
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the specific category	of passive orders	aggressive orders N/A	directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 10%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND	of passive orders N/A N/A	aggressive orders N/A	directed orders
Brokers	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the specific category 100% 100%	of passive orders N/A N/A	aggressive orders N/A	directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND	of passive orders N/A N/A	aggressive orders N/A	directed orders 1009 1009
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	transaction as a percentage of the total volume in the specific category 10% 90%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL	of passive orders N/A N/A S Percentage	aggressive orders N/A N/A	directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86%	of passive orders N/A N/A S Percentage of passive orders N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A	directed orders 1009 1009 Percentage of directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12%	of passive orders N/A N/A S Percentage of passive orders N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A	directed orders 1009 1009 Percentage of directed orders 1009 1009
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOOS	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 12%	of passive orders N/A N/A S Percentage of passive orders N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A	directed orders 1009 1009 Percentage of directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 12%	of passive orders N/A N/A Percentage of passive orders N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A	directed orders 1009 1009 Percentage of directed orders 1009 1009
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWF2YICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 12%	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A	directed orders 1009 1009 Percentage of directed orders 1009 1009
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWF2YICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 5493002K53CNGEEI6A29 ALPHA 529909N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 1% 0 OVER-THE-COUNTER BOND	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A N/A S S	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A	directed orders 1009 1009 Percentage of directed orders 1009 1009
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQSVJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 1%	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 1% 0 OVER-THE-COUNTER BOND PROFESSIONAL	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A Percentage	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders
Brokers LEI CSFB 959800TMGPWX7NYM4R72 DB 7LTWFZYICNSX8D621K86 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQSVJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	transaction as a percentage of the total volume in the specific category 10% 90% 2022 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 20% 1% 1% 2022	percentage of the total orders in the specific category 100% 100% OVER-THE-COUNTER BOND RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 86% 12% 1% 0VER-THE-COUNTER BOND PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A N/A S Percentage of passive orders N/A N/A N/A N/A N/A Percentage of passive orders	aggressive orders N/A N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive	Percentage of directed orders 1009 1009 Percentage of directed orders 1009 1009 1009

CATEGOR	Year RY OF INSTRUMENT	2021	FOREIGN EQUITIES			
	NT CATEGORY		RETAIL			
	average transaction per business g the previous year		0			
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED INSTINET EUROPE LMT	213800SS94VGJTFLIG64 213800MXAKR2LA1VBM44	49% 51%	61% 39%		N/A N/A	100%
INSTINCT COROFE CIVIT				N/A	N/A	100%
CATEGOR	Year RY OF INSTRUMENT	2021	FOREIGN EQUITIES			
	NT CATEGORY		PROFESSIONAL			
	average transaction per business g the previous year		0			
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED	213800SS94VGJTFLIG64	19%	16%	N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	81%	84%	-	N/A	100%
	Year	2021				
	RY OF INSTRUMENT NT CATEGORY		FOREIGN EXCHANGE DERIVATIVE RETAIL	ES		
Disclosure if <1 of the a	average transaction per business g the previous year		RETAIL			
Brokers	LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB	959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
	Year	2021				
	RY OF INSTRUMENT NT CATEGORY		FOREIGN EXCHANGE DERIVATIVE PROFESSIONAL	ES		
	average transaction per business g the previous year		0			
Brokers		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Dorcontago	
IDIOKEIS	LEI	transaction as a percentage of the total volume in the specific category	percentage of the total orders in the specific category		of aggressive	Percentage of directed orders
Brokers CSFB	LEI 959800TMGPWX7NYM4R72			of passive orders	of	_
	7	volume in the specific category	the specific category	of passive orders	of aggressive orders	directed orders
CSFB	959800TMGPWX7NYM4R72 Year	volume in the specific category	the specific category	of passive orders	of aggressive orders	directed orders
CATEGOR	959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT	volume in the specific category 100%	the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
CSFB CATEGOR CLIE	959800TMGPWX7NYM4R72 Year	volume in the specific category 100%	the specific category	of passive orders	of aggressive orders	directed orders
CATEGOR CLIEI Disclosure if <1 of the a	959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT NT CATEGORY	volume in the specific category 100% 2021 Ratio of the volume submitted in a	the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders N/A	directed orders
CATEGOR CUEI Disclosure if <1 of the a	959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT NT CATEGORY average transaction per business	volume in the specific category 100% 2021	the specific category 100% OVER-THE-COUNTER BONDS RETAIL	of passive orders N/A	of aggressive orders N/A	directed orders
CATEGOR CLIE Disclosure if <1 of the a day during Brokers NBG	Year Y OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85%	of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	directed orders 100% Percentage of directed orders
CATEGOR CLIE Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG	Year Y OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12%	of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
CATEGOR CLIE Disclosure if <1 of the a day during Brokers NBG	Year Y OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2%	of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	directed orders 100% Percentage of directed orders
CATEGOR CLIEI Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA	Year Y OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC6GCN08 2138000YHR1MPQ5VJL60	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100% 100%
CATEGOR CLIE Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGOR	Year RY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100% 100%
CATEGOR CLIEI Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGOR CLIEI	Year RY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year RY OF INSTRUMENT NT CATEGORY	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGOR CLIEI Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGOR CLIEI Disclosure if <1 of the a	Year RY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGOR CLIEI Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGOR CLIEI Disclosure if <1 of the a day during	Year RY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS 549300ZK53CNGEEI6A29 5299009N55YRQG6GVN08 2138000YHR1MPQSVJL60 Year RY OF INSTRUMENT NT CATEGORY average transaction per business g the previous year	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2%	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGOR CLIEI Disclosure if <1 of the a day during Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGOR CLIEI Disclosure if <1 of the a	Year Y OF INSTRUMENT NT CATEGORY average transaction per business g the previous year LEI SUMCZOEYKCVFAW8ZLOOS 549300ZK33CNGEEI6A29 5299009N55YRQG6GCN08 213800OYHR1MPQSVJL60 Year YO F INSTRUMENT NT CATEGORY average transaction per business	volume in the specific category 100% 2021 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 82% 15% 2% 1% 2021	the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of of orders N/A N/A N/A N/A N/A Percentage of	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

		-		1	
Year CATEGORY OF INSTRUMENT	2020	FOREIGN EQUITIES			
CLIENT CATEGORY		RETAIL	_		
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION SERVICE LIMITED 213800SS94VGJTFLIG64 INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	66% 34%		N/A	N/A N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	34%	52%	N/A	N/A	100%
Year CATEGORY OF INSTRUMENT	2020	FOREIGN EQUITIES			
CLIENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
COWEN EXECUTION 213800SS94VGJTFLIG64	54%	45%	N/A	N/A	100%
INSTINET EUROPE LMT 213800MXAKR2LA1VBM44	46%		N/A	N/A	100%
Year	2020				
CATEGORY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIV	ES		
CLIENT CATEGORY Disclosure if <1 of the average transaction per business		RETAIL			
day during the previous year		0			
Brokers LEI	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
CSFB 959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
Year	2020				
CATEGORY OF INSTRUMENT CLIENT CATEGORY		FOREIGN EXCHANGE DERIVATIVE	ES		
		PROFESSIONAL			
Disclosure if <1 of the average transaction per business day during the previous year		PROFESSIONAL 0			
Disclosure if <1 of the average transaction per business day during the previous year	Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	Percentage of passive orders	of aggressive	Percentage of directed orders
Disclosure if <1 of the average transaction per business	transaction as a percentage of the total	0 Ratio of orders executed as a percentage of the total orders in	of passive orders	of	_
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	transaction as a percentage of the total volume in the specific category	O Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI	transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders N/A	of aggressive orders N/A Percentage of aggressive	directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85%	of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG SUMCZOEYKCVFAW8ZLOO5	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2%	of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% 100% 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% 100% 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLO05 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CUENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGE16A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800CYHRIMPQSVJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3% 3% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOO5 J.P. Morgan AG 549300ZK53CNGEEI6A29 ALPHA 5299009N55YRQC69CN08 TPEIR 2138000YHR1MPQ5VJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3% 3% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders
Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI CSFB 959800TMGPWX7NYM4R72 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year Brokers LEI NBG 5UMCZOEYKCVFAW8ZLOOS J.P. Morgan AG 549300ZK53CNGE16A29 ALPHA 5299009N5SYRQC69CN08 TPEIR 213800CYHRIMPQSVJL60 Year CATEGORY OF INSTRUMENT CLIENT CATEGORY Disclosure if <1 of the average transaction per business day during the previous year	transaction as a percentage of the total volume in the specific category 100% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 78% 16% 3% 3% 2020 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 85% 12% 2% 1% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

CATEGO						
	Year PRY OF INSTRUMENT	2019	FOREIGN EQUITIES			
	ENT CATEGORY		RETAIL			
Disclosure if <1 of the	average transaction per business					
	ng the previous year		0			
		Patie of the continue or health adding	Balla of code or control or		Percentage	
		Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a	Percentage of passive	of	Percentage of
		volume in the specific category	percentage of the total orders in the specific category	orders	aggressive	directed orders
Brokers	LEI	volume in the specime category	the specific category	Orders	orders	
COWEN EXECUTION	213800SS94VGJTFLIG64					
SERVICE LIMITED	21300033347 0311 11004	71%		N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	29%	43%	N/A	N/A	100%
	Year	2019				
CATEGO	RY OF INSTRUMENT		FOREIGN EQUITIES			
СП	ENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the	average transaction per business					
	ng the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage	
		transaction as a percentage of the total	percentage of the total orders in	_	of	Percentage of
		volume in the specific category	the specific category	orders	aggressive	directed orders
Brokers	212900MY A K P 21 A 1 V P M 4 4	98%		N/A	orders	100%
COWEN EXECUTION	213800MXAKR2LA1VBM44	98%	98%	IV/M	N/A	100%
SERVICE LIMITED	213800SS94VGJTFLIG64	2%	2%	N/A	N/A	100%
	Year	2019				
CATEGO	RY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIVE	ES		
	ENT CATEGORY		RETAIL			
	average transaction per business					
day duri	ng the previous year		0		D	
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage of	Percentage of
		transaction as a percentage of the total	percentage of the total orders in		aggressive	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	
CSFB	959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
				l		
CATECO	Year PRY OF INSTRUMENT	2019	FOREIGN EXCHANGE DERIVATIVE	-		
	ENT CATEGORY		FOREIGIN EXCHANGE DERIVATIVE	EJ		
			PROFFSSIONAL			
Disclosure if <1 of the			PROFESSIONAL			
	average transaction per business ng the previous year		PROFESSIONAL 0			
	average transaction per business	Patio of the volume culmitted in a	0	Parcentage	Percentage	
	average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total	0 Ratio of orders executed as a	Percentage of passive	Percentage of	Percentage of
day durii	average transaction per business ng the previous year	transaction as a percentage of the total	0 Ratio of orders executed as a percentage of the total orders in	_	of aggressive	Percentage of directed orders
day durii Brokers	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
day durii	average transaction per business ng the previous year	transaction as a percentage of the total	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive	_
day durii Brokers	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
day durii Brokers	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
day duri	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders N/A	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL	of passive orders	of aggressive orders N/A	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL	of passive orders N/A Percentage	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Brokers CSFB CATEGO CU Disclosure if <1 of the day during	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a	of passive orders N/A Percentage	of aggressive orders N/A Percentage of aggressive	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year RY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Brokers CSFB CATEGO Disclosure if <1 of the day during Brokers	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year ARY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70%	of passive orders N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders	100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day during the day duri	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22%	of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	Percentage of directed orders 100%
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG	TEIL SUMCZOEYKCVFAW8ZLOOS 549300ZKS3CNGEEI6A29	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6%	of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day during the day duri	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year PORY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC6QCN08 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day durit Brokers NBG J.P. Morgan AG ALPHA TPEIR	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55VRQC69CN08 213800OYHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day during the day duri	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year BRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLOO5 \$49300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year BRY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO Disclosure if <1 of the day during	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGE16A29 5299099N55VRQC69CN08 213800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year TOTAL OF THE TRANSACTION OF THE T	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGE16A29 5299099N55VRQC69CN08 213800OYHR1MPQSVJL60 Year RY OF INSTRUMENT ENT CATEGORY	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year TOTAL OF THE TRANSACTION OF THE T	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year Year TOTAL OF THE TRANSACTION OF THE T	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day during the day duri	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day during the day duri	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year BRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLOO5 \$49300ZK53CNGEEI6A29 \$299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year BRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 11% 9% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 11% 12% 11% 12% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of aggressive orders N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day durii Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day durii	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 68% 12% 11% 9% 2019 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 70% 22% 6% 3% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%

CATEGO						
	Year DRY OF INSTRUMENT	2018	FOREIGN EQUITIES			
	ENT CATEGORY		RETAIL			
Disclosure if <1 of the	average transaction per business					
	ng the previous year		0			
		Patie of the continue of health adding	Balla of code or control or		Percentage	
		Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a	Percentage of passive	of	Percentage of
		volume in the specific category	percentage of the total orders in the specific category	orders	aggressive	directed orders
Brokers	LEI	volume in the specime category	the specific category	Orders	orders	
COWEN EXECUTION	213800SS94VGJTFLIG64					
SERVICE LIMITED		78%		N/A	N/A	100%
INSTINET EUROPE LMT	213800MXAKR2LA1VBM44	22%	29%	N/A	N/A	100%
	Year	2018				
CATEGO	RY OF INSTRUMENT		FOREIGN EQUITIES			
CLI	ENT CATEGORY		PROFESSIONAL			
Disclosure if <1 of the	average transaction per business					
day duri	ng the previous year		0			
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	Percentage	
		transaction as a percentage of the total	percentage of the total orders in	_	of	Percentage of
Duelione	151	volume in the specific category	the specific category	orders	aggressive	directed orders
Brokers INSTINET EUROPE LMT	LEI 213800MXAKR2LA1VBM44	97%	07%	N/A	orders N/A	100%
COWEN EXECUTION		97/0	37/6	,	.4/15	100%
SERVICE LIMITED	213800SS94VGJTFLIG64	3%	3%	N/A	N/A	100%
	Year	2018				
	DRY OF INSTRUMENT		FOREIGN EXCHANGE DERIVATIVE	ES		
	ENT CATEGORY		RETAIL	i		
	average transaction per business ng the previous year		0			
uay uuri	ng the previous year				Percentage	
		Ratio of the volume submitted in a	Ratio of orders executed as a	Percentage	of	Percentage of
		transaction as a percentage of the total	percentage of the total orders in	of passive orders	aggressive	directed orders
Brokers	LEI	volume in the specific category	the specific category	orders	orders	
CSFB	959800TMGPWX7NYM4R72	100%	100%	N/A	N/A	100%
	Year	2018				
CATEGO	DRY OF INSTRUMENT	2016	FOREIGN EXCHANGE DERIVATIVE	ES		
CLI	ENT CATEGORY					
			PROFESSIONAL			
Disclosure if <1 of the	average transaction per business		PROFESSIONAL			
			PROFESSIONAL 0			
	average transaction per business	Ratio of the volume submitted in a	0	Percentage	Percentage	
	average transaction per business	Ratio of the volume submitted in a transaction as a percentage of the total	PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in	Percentage of passive	of	Percentage of
day duri	average transaction per business ng the previous year		0 Ratio of orders executed as a	_	of aggressive	Percentage of directed orders
day duri Brokers	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
day duri	average transaction per business ng the previous year	transaction as a percentage of the total	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive	_
day duri Brokers	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders	of aggressive orders	directed orders
day duri Brokers	average transaction per business ng the previous year LEI	transaction as a percentage of the total volume in the specific category	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year DRY OF INSTRUMENT	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY	transaction as a percentage of the total volume in the specific category 100%	0 Ratio of orders executed as a percentage of the total orders in the specific category 100%	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	average transaction per business ng the previous year LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY	transaction as a percentage of the total volume in the specific category 100%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS	of passive orders	of aggressive orders N/A	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a	of passive orders N/A Percentage	of aggressive orders N/A Percentage	directed orders
Brokers CSFB CATEGO CU Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in	of passive orders N/A Percentage of passive	of aggressive orders N/A	directed orders
Brokers CSFB CATEGO Disclosure if <1 of the day duri	Tell State of the previous year state of the year state o	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a	of passive orders N/A Percentage	of aggressive orders N/A Percentage of	directed orders 100% Percentage of
Brokers CSFB CATEGO CLI Disclosure if <1 of the day duri Brokers NBG	LEI SUMCZOEYKCVFAW8ZLOOS	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59%	of passive orders N/A Percentage of passive orders N/A	of aggressive orders N/A Percentage of aggressive orders N/A	100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG	Tell	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28%	of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100%
CATEGO CU Disclosure if <1 of the day duri Brokers Brokers NBG J.P. Morgan AG ALPHA	LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 55%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG	Tell	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8%	of passive orders N/A Percentage of passive orders N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
CATEGO CU Disclosure if <1 of the day duri Brokers Brokers NBG J.P. Morgan AG ALPHA	LEI SUMCZOEYKCVFAW8ZLOOS 549300ZKSZNQC69CN08 2138000YHR1MPQSVJL60	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	100% Percentage of directed orders
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR	LEI 959800TMGPWX7NYM4R72 Year ORY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI SUMCZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 55%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO	LEI 959800TM/GPWX7NYM4R72 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UN/CZOEYKCVFAW8ZLOO5 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQ5VJL60	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5%	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQSVJL60 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A	Percentage of directed orders 100% Percentage of directed orders 100% 100%
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Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQSVJL60 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4%	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS	of passive orders N/A Percentage of passive orders N/A N/A N/A	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQSVJL60 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of of of orders N/A N/A N/A N/A N/A Percentage of	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
Brokers CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day duri	LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UNCZOEYKCVFAW8ZLOOS 549300ZK53CNGEEI6A29 5299009N55VRQC69CN08 2138000YHR1MPQ5VJL60 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A N/A Percentage	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%
Brokers CATEGO CLI Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CLI Disclosure if <1 of the	LEI 959800TMGPWX7NYM4R72 Year PRY OF INSTRUMENT ENT CATEGORY LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEI6A29 5299009N55YRQC69CN08 213800OYHR1MPQSVJL60 Year PRY OF INSTRUMENT ENT CATEGORY average transaction per business	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A Percentage of of of orders N/A N/A N/A N/A N/A Percentage of	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100% Percentage of directed orders
Brokers CATEGO CU Disclosure if <1 of the day duri Brokers NBG J.P. Morgan AG ALPHA TPEIR CATEGO CU Disclosure if <1 of the day duri	LEI 959800TM/GPWX7NYM4R72 Year PY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year LEI 5UMCZOEYKCVFAW8ZLO05 549300ZK53CNGEEI6A29 5299009N55YRQC69CN08 2138000YHR1MPQ5VJL60 Year RY OF INSTRUMENT ENT CATEGORY average transaction per business ng the previous year	transaction as a percentage of the total volume in the specific category 100% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category 54% 37% 5% 4% 2018 Ratio of the volume submitted in a transaction as a percentage of the total volume in the specific category	Ratio of orders executed as a percentage of the total orders in the specific category 100% OVER-THE-COUNTER BONDS RETAIL 0 Ratio of orders executed as a percentage of the total orders in the specific category 59% 28% 8% 5% OVER-THE-COUNTER BONDS PROFESSIONAL 0 Ratio of orders executed as a percentage of the total orders in the specific category	of passive orders N/A Percentage of passive orders N/A N/A N/A N/A Percentage of passive orders	of aggressive orders N/A Percentage of aggressive orders N/A N/A N/A N/A N/A Percentage of aggressive orders	Percentage of directed orders 100% Percentage of directed orders 100% 100% 100%