

## Nasdaq 2019/2018 Monthly Volumes

Equity Derivatives	U.S. equity options volume (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	2019	144	121	141	134	154	132	143					
	2018	165	155	155	138	140	139	131	149	126	189	146	146
	European options and futures volume (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
2019	7.5	6.7	8.2	7.7	8.7	6.3	7.5						
2018	6.7	7.2	8.4	7.7	7.6	6.6	6.0	5.6	6.5	8.8	7.4	6.4	
Cash Equities	U.S. matched equity volume (millions of shares)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	2019	32,076	26,915	31,655	26,334	31,802	29,561	28,110					
	2018	26,979	31,348	30,291	26,619	27,364	29,818	24,802	27,412	25,614	39,839	32,856	35,564
	European equity volume (value of shares traded, \$ billion)												
	January	February	March	April	May	June	July	August	September	October	November	December	
2019	68	70	73	66	64	59	63						
2018	88	92	80	77	82	73	69	68	67	90	74	57	
Fixed Income and Commodities	US Fixed income volume (\$ billion traded)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	2019	964	760	991	775	1,076	1,070	882					
	2018	1,627	1,932	1,597	1,242	1,580	1,312	1,018	1,130	1,046	1,628	965	906
	European fixed income (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	2019	2.0	2.2	3.2	2.7	2.0	2.8	1.5					
	2018	2.6	2.7	3.0	1.9	2.6	3.0	1.6	2.2	4.1	3.2	2.7	3.5
	European energy clearing and trading (in Terawatt hours)												
	January	February	March	April	May	June	July	August	September	October	November	December	
2019 traded	37	46	35	28	26	30	23						
2019 cleared	89	88	73	56	55	59	46						
2018 traded	36	42	47	40	54	52	29	48	52	28	33	29	
2018 cleared	88	95	89	85	114	106	66	94	117	70	78	66	

## Nasdaq Quarterly Volumes, Market Share and Listings

Equity Derivatives	U.S. equity options quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Volume (mm contracts)</b>	386	364	399	474	417	407	482	406	420
	<i>Market share</i>	41.4%	41.0%	41.5%	39.7%	38.4%	39.1%	38.4%	38.4%	38.5%
	<b>Revenue capture per contract</b>	\$0.15	\$0.14	\$0.13	\$0.14	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15
	European options and futures quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Volume (mm contracts)</b>	22.2	19.2	19.8	22.3	21.9	18.1	22.6	22.4	22.7
	<b>Revenue capture per contract</b>	\$0.39	\$0.51	\$0.56	\$0.47	\$0.44	\$0.48	\$0.49	\$0.42	\$0.40

Cash Equities	U.S. equity quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Matched shares (mm)</b>	79,347	69,116	72,721	88,618	83,802	77,829	108,259	90,646	87,697
	<i>Market share</i>	18.4%	18.1%	18.1%	19.1%	19.1%	19.5%	20.3%	19.8%	20.1%
	<b>Revenue capture (per 1,000 shares)</b>	\$0.49	\$0.52	\$0.52	\$0.48	\$0.52	\$0.48	\$0.45	\$0.47	\$0.46
	European equity quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Value of shares traded (\$bn)</b>	220	221	238	260	232	204	220	211	189
	<i>Market share</i> <sup>2</sup>	65.7%	67.9%	71.2%	69.6%	66.9%	65.7%	65.9%	66.8%	70.3%
	<b>Revenue capture (per \$'000 traded)</b>	\$0.10	\$0.11	\$0.11	\$0.11	\$0.11	\$0.12	\$0.11	\$0.11	\$0.12

Fixed Income and Commodities	U.S. Fixed income quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Volume (\$ billion traded)</b>	4,755	3,975	4,030	5,156	4,134	3,194	3,499	2,715	2,921
	European fixed income quarterly summary <sup>3</sup>									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Volume (mm contracts)</b>	7.0	6.8	8.3	8.3	7.5	7.9	9.4	7.3	7.5
	<b>Revenue capture per contract</b>	\$0.62	\$0.63	\$0.49	\$0.65	\$0.58	\$0.48	\$0.42	\$0.61	\$0.51
	European energy clearing and trading quarterly summary									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	<b>Trading volume (TWh)</b>	138	129	136	125	146	128	89	117	84
<b>Clearing volume (TWh)</b>	268	264	284	272	305	276	214	250	170	
<b>Trading and Clearing volume (TWh)</b>	406	392	420	397	451	404	303	367	254	
<i>Ratio trading/clearing volume</i>	51.6%	48.8%	48.0%	46.1%	47.9%	46.4%	41.7%	46.0%	46.0%	
<b>Revenue capture per TWh traded and cleared (\$'000)</b>		\$18.2	\$19.1	\$20.3	\$16.7	\$15.6	\$19.9	\$18.8	\$19.3	

Listings	Number of Listings									
		2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
	Companies on The Nasdaq Stock Market	2,567	2,573	2,576	2,593	2,624	2,659	2,666	2,671	2,706
	Companies on exchanges that comprise Nasdaq Nordic and Nasdaq Baltic	945	952	984	986	1,008	1,010	1,019	1,018	1,029
	<b>Total Listed companies<sup>4</sup></b>	<b>3,512</b>	<b>3,525</b>	<b>3,560</b>	<b>3,579</b>	<b>3,632</b>	<b>3,669</b>	<b>3,685</b>	<b>3,689</b>	<b>3,735</b>
	Exchange Traded Products on The Nasdaq Stock Market <sup>5</sup>	345	362	373	376	380	390	392	388	374
	<b>Total Listings</b>	<b>3,857</b>	<b>3,887</b>	<b>3,933</b>	<b>3,955</b>	<b>4,012</b>	<b>4,059</b>	<b>4,077</b>	<b>4,077</b>	<b>4,109</b>

Current period revenue capture is estimated until confirmed when final quarterly results are issued

European equity trading market share represents portion of on-exchange and MTF total volumes

European fixed income volume and capture excludes NLX.

Number of listed companies for The Nasdaq Stock Market, Nasdaq Nordic, Nasdaq Baltic exchanges and Nasdaq First North at period end.

Number of separately listed ETPs on the Nasdaq Stock Market