

## Nasdaq 2018/2017 Monthly Volumes

Equity Derivatives	U.S. equity options volume (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	165	155	155	138	140	139	131	149	126			
	<b>2017</b>	129	120	136	113	137	137	114	134	116	133	144	122
Equity Derivatives	European options and futures volume (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	6.7	7.2	8.4	7.7	7.6	6.6	6.0	5.6	6.5			
	<b>2017</b>	6.9	6.6	8.1	5.9	9.3	7.0	5.7	5.9	7.6	7.0	6.3	6.5
Cash Equities	U.S. matched equity volume (millions of shares)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	26,979	31,348	30,291	26,619	27,364	29,818	24,802	27,412	25,614			
	<b>2017</b>	23,208	22,759	28,773	23,015	26,859	29,473	21,675	24,849	22,592	23,701	25,276	23,744
Cash Equities	European equity volume (value of shares traded, \$ billion)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	88	92	80	77	82	73	69	68	67			
	<b>2017</b>	63	70	73	63	79	78	72	75	75	88	83	67
Fixed Income and Commodities	US Fixed income volume (\$ billion traded)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	1,627	1,932	1,597	1,242	1,580	1,312	1,018	1,130	1,046			
	<b>2017</b>	1,686	1,560	1,794	1,481	1,654	1,620	1,297	1,321	1,356	1,433	1,397	1,200
Fixed Income and Commodities	European fixed income (millions of contracts)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018</b>	2.6	2.7	3.0	1.9	2.6	3.0	1.6	2.2	4.1			
	<b>2017</b>	2.1	2.4	2.8	2.0	2.3	2.7	1.5	2.2	3.1	2.3	3.1	2.9
Fixed Income and Commodities	European energy clearing and trading (in Terawatt hours)												
	January	February	March	April	May	June	July	August	September	October	November	December	
	<b>2018 traded</b>	36	42	47	40	54	52	29	48	52			
	<b>2018 cleared</b>	88	95	89	85	114	106	66	94	117			
<b>2017 traded</b>	72	55	80	44	48	46	29	39	61	60	45	31	
<b>2017 cleared</b>	132	105	142	81	96	91	54	82	128	114	100	70	

## Nasdaq 2018/2017 Quarterly Volumes, Market Share and Listings

Equity Derivatives	U.S. equity options quarterly summary								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	<b>Volume (mm contracts)</b>	385	386	364	399	474	417	407	
	<i>Market share</i>	42.5%	41.4%	41.0%	41.5%	39.7%	38.4%	39.1%	
	<b>Revenue capture per contract</b>	\$0.15	\$0.15	\$0.14	\$0.13	\$0.14	\$0.15	\$0.15	
	European options and futures quarterly summary								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	<b>Volume (mm contracts)</b>	21.7	22.2	19.2	19.8	22.3	21.9	18.1	
	<b>Revenue capture per contract</b>	\$0.42	\$0.39	\$0.51	\$0.56	\$0.47	\$0.44	\$0.48	
	Cash Equities	U.S. equity quarterly summary							
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
<b>Matched shares (mm)</b>		74,740	79,347	69,116	72,721	88,618	83,802	77,829	
<i>Market share</i>		17.6%	18.4%	18.1%	18.1%	19.1%	19.1%	19.5%	
<b>Revenue capture (per 1,000 shares)</b>		\$0.47	\$0.49	\$0.52	\$0.52	\$0.48	\$0.52	\$0.48	
European equity quarterly summary									
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
<b>Value of shares traded (\$bn)</b>		206	220	221	238	260	232	204	
<i>Market share</i> <sup>2</sup>		65.0%	65.7%	67.9%	71.2%	69.6%	66.9%	65.7%	
<b>Revenue capture (per \$'000 traded)</b>		\$0.11	\$0.10	\$0.11	\$0.11	\$0.11	\$0.11	\$0.12	
Fixed Income and Commodities	U.S. Fixed income quarterly summary								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	<b>Volume (\$ billion traded)</b>	5,041	4,755	3,975	4,030	5,156	4,134	3,194	
	European fixed income quarterly summary <sup>3</sup>								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	<b>Volume (mm contracts)</b>	7.2	7.0	6.8	8.3	8.3	7.5	7.9	
	<b>Revenue capture per contract</b>	\$0.71	\$0.62	\$0.63	\$0.49	\$0.65	\$0.58	\$0.48	
	European energy clearing and trading quarterly summary								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	<b>Trading volume (TWh)</b>	207	138	129	136	125	146	128	
<b>Clearing volume (TWh)</b>	379	268	264	284	272	305	276		
<i>Ratio trading/clearing volume</i>	54.5%	51.6%	48.8%	48.0%	46.1%	47.9%	46.4%		
<b>Revenue capture per TWh cleared (\$'000)</b>	\$20.5	\$25.3	\$27.0	\$28.2	\$29.7	\$24.7	\$22.8		
Listings	Number of Listings								
		1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18
	Companies on The Nasdaq Stock Market	2,558	2,567	2,573	2,576	2,593	2,624	2,659	
	Companies on exchanges that comprise Nasdaq Nordic and Nasdaq Baltic	910	945	952	984	986	1,008	1,010	
	<b>Total Listed companies<sup>4</sup></b>	<b>3,468</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>	
	Exchange Traded Products on The Nasdaq Stock Market <sup>5</sup>	332	345	362	373	376	380	390	
	<b>Total Listings</b>	<b>3,800</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>	

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

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

3) European fixed income volume and capture excludes NLX.

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

5) Number of separately listed ETPs on the Nasdaq Stock Market