

Market Statistics 2016

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RECORDS SET IN 2016**Securities Market**

(HK\$)	As at 30 Dec 2016	Pre-2016 Record	
Debt securities turnover	\$21.3 bil	\$9.4 bil	(Year 2015)
Real Estate Investment Trusts turnover	\$91.1 bil	\$82.4 bil	(Year 2013)

Derivatives Market

<u>Trading Turnover</u>	As at 30 Dec 2016 (Contracts)	Pre-2016 Record (Contracts)	
Total Futures	84,100,129	73,462,212	(Year 2015)
Hang Seng Index Futures	32,313,994	23,085,833	(Year 2011)
Mini Hang Seng Index Futures	12,477,552	10,294,537	(Year 2011)
HSCEI Dividend Point Index Futures	589,188	240,572	(Year 2014)
RMB Currency Futures - USD/CNH Futures	538,594	262,433	(Year 2015)
Mini Hang Seng Index Options	1,424,379	1,230,997	(Year 2012)
H-shares Index Options	19,475,726	15,304,245	(Year 2015)
After-Hours Trading Session	9,212,328	5,255,464	(Year 2015)
<u>Open Interest</u>			
HSCEI Dividend Point Index Futures	184,626 (13 Dec 2016)	101,430	(30 Dec 2015)
RMB Currency Futures - USD/CNH Futures	45,635 (30 Dec 2016)	23,887	(14 Feb 2014)
H-shares Index Options	3,276,956 (28 Dec 2016)	2,618,350	(25 Sep 2015)

SECURITIES MARKET (Main Board and GEM)

Market Performance

	As at		
	2016 year end	2015 year end	% Change
Market capitalisation (HK\$bil) [◇]	24,761.3	24,683.7	0.31
Number of listed companies [*]	1,973	1,866	5.73
Number of newly listed companies for the year [*]	126 ^{**}	138 [^]	-8.70
Total equity funds raised (HK\$mil)	486,708.2	1,115,642.7	-56.37
- IPO funds raised	194,796.7	263,089.2	-25.96
- Post IPO funds raised	291,911.5	852,553.5	-65.76
Average daily turnover (HK\$mil)	66,924	105,630	-36.64

[◇] The figures represent the total market capitalisation of all equity securities and exclude other listed securities such as REITs and bonds.

^{*} Excludes listed securities other than equities such as REITs and bonds

^{**} Includes 6 companies which moved their listings from GEM to the Main Board

[^] Includes 14 companies which moved their listings from GEM to the Main Board

Funds raised in 2016 are provisional figures

Percentage changes are calculated based on rounded figures

Individual figures for Main Board and GEM are on page 3 and page 4

SECURITIES MARKET

Market Performance

	<u>Main Board</u>			<u>GEM</u>		
	<u>2016 year end</u>	<u>As at 2015 year end</u>	<u>% Change</u>	<u>2016 year end</u>	<u>As at 2015 year end</u>	<u>% Change</u>
Market capitalisation (HK\$bil) [◇]	24,450.4	24,425.6	0.10	310.9	258.2	20.41
Number of listed companies [*]	1,713	1,644	4.20	260	222	17.12
Number of newly listed companies for the year [*]	81 ^{**}	104 [^]	-22.12	45	34	32.35
Number of delistings	12	8	50.00	7 ^{**}	16 [^]	-56.25
Number of listed securities	8,330	8,792	-5.25	261	223	17.04
- Equities	1,724	1,653	4.30	260	222	17.12
- Warrants						
▪ Equity warrants	8	12	-33.33	1	1	0.00
▪ Derivative warrants	3,705	4,590	-19.28	N/A	N/A	-
- Callable Bull / Bear Contracts	1,844	1,630	13.13	N/A	N/A	-
- Debt securities	892	762	17.06	N/A	N/A	-
- Unit trusts and mutual funds						
▪ Exchange Traded Funds (ETFs) ⁺	133	133	0.00	N/A	N/A	-
▪ Leveraged and Inverse Products (L&I) ⁺⁺	12	-	-	N/A	N/A	-
▪ REITs	11	11	0.00	N/A	N/A	-
▪ Others	1	1	0.00	N/A	N/A	-

◇ The figures represent the total market capitalisation of all equity securities and exclude other listed securities such as REITs and bonds

* Excludes listed securities other than equities such as REITs and bonds

** Includes 6 companies which moved their listings from GEM to the Main Board

^ Includes 14 companies which moved their listings from GEM to the Main Board

+ Excludes 2 iShares of ETFs under pilot programmes

++ Trading commenced on 13 June 2016

Percentage changes are calculated based on rounded figures

Market Performance (continued)

	<u>Main Board</u>			<u>GEM</u>		
	2016 year end	2015 year end	% Change	2016 year end	2015 year end	% Change
Total funds raised (HK\$mil)	1,712,095.5	2,510,205.2	-31.79	18,793.7	22,091.3	-14.93
Total equity funds raised (HK\$mil)	467,914.5	1,093,551.5	-57.21	18,793.7	22,091.3	-14.93
- IPO funds raised	190,205.9	260,348.4	-26.94	4,590.7	2,740.8	67.49
- Post IPO funds raised	277,708.6	833,203.1	-66.67	14,202.9	19,350.4	-26.60
Funds raised by other newly listed securities (HK\$mil)						
- Warrants						
▪ Equity warrants	0	0	-	0	0	-
▪ Derivative warrants	105,835	182,370	-41.97	N/A	N/A	-
- Callable Bull / Bear Contracts	363,738	483,527	-24.77	N/A	N/A	-
- Debt securities	774,608	750,757	3.18	N/A	N/A	-
- Unit trusts and mutual funds						
▪ Exchange Traded Funds (ETFs)	NA ^	NA ^	-	N/A	N/A	-
▪ REITs	0	0	-	N/A	N/A	-
Total turnover (HK\$mil)	16,279,975	25,835,958	-36.99	116,449	254,663.3	-54.27
- Equities	11,056,704	17,227,618	-35.82	116,407	254,618	-54.28
- Warrants						
▪ Equity warrants	311	3,936	-92.09	42.7	45.7	-6.47
▪ Derivative warrants	2,726,996	4,504,079	-39.45	N/A	N/A	-
- Callable Bull / Bear Contracts	1,371,573	1,836,854	-25.33	N/A	N/A	-
- Debt securities	21,278	9,381	126.83	N/A	N/A	-
- Unit trusts and mutual funds						
▪ Exchange Traded Funds (ETFs)	1,011,413	2,170,959	-53.41	N/A	N/A	-
▪ Leveraged and Inverse Products (L&I) *	505	-	-	N/A	N/A	-
▪ REITs	91,086	82,028	11.04	N/A	N/A	-
▪ Others	109	1,104	-90.09	N/A	N/A	-
Average daily turnover (HK\$mil)	66,449	104,599	-36.47	475	1,031	-53.90
Number of trading days	245	247		245	247	

^ Figure is not available as the ETFs were not issued through IPOs

* Trading commenced on 13 June 2016

Funds raised in 2016 are provisional figures

Includes non-HKD securities. Fundraising and turnover figures have been converted into HKD

Percentage changes are calculated based on rounded figures. Numbers may not add up to the totals due to rounding

Stock Connect Statistics

Shanghai-Hong Kong Stock Connect (1 Jan - 30 Dec 2016)

	Northbound Trading	Southbound Trading
Highest trade value (Buy + Sell)	RMB 7.4 bil (18 Mar 2016)	HK\$ 12.0 bil (9 Sep 2016)
Average daily trade value (Buy + Sell)	RMB 3,212 mil	HK\$ 3,626 mil
Total trade value (Buy + Sell)	RMB 745 bil	HK\$ 827 bil
Average daily no. of trades (Buy + Sell)	136,143	59,620
Highest daily quota usage	RMB 5.0 bil (39% usage) was used on 16 Aug 2016	RMB 6.1 bil (39% usage) was used on 9 Sep 2016
No. of trading days	232 days	228 days

Shenzhen-Hong Kong Stock Connect (5 Dec - 30 Dec 2016)

	Northbound Trading	Southbound Trading
Highest trade value (Buy + Sell)	RMB 3.6 bil (9 Dec 2016)	HK\$ 923 mil (5 Dec 2016)
Average daily trade value (Buy + Sell)	RMB 1,541 mil	HK\$ 509 mil
Total trade value (Buy + Sell)	RMB 26 bil	HK\$ 9.2 bil
Average daily no. of trades (Buy + Sell)	65,229	14,706
Highest daily quota usage	RMB 2.7 bil (21% usage) was used on 5 Dec 2016	RMB 850 mil (8% usage) was used on 5 Dec 2016
No. of trading days	17 days	18 days

Closing Indices

	30 Dec 2016	As at 31 Dec 2015	% Change
Hang Seng Index	22000.56	21914.40	0.39
Hang Seng China Enterprises Index (H Shares)	9394.87	9661.03	-2.75
Hang Seng China-Affiliated Corporations Index (Red Chips)	3587.99	4052.12	-11.45
S&P/HKEX LargeCap Index	27926.13	27007.12	3.40
S&P/HKEX GEM Index	358.53	476.79	-24.80
CES China 120 Index	5052.40	5044.06	0.17
CES China A80 Index	5911.41	6296.47	-6.12
CES China HK Mainland Index	5515.90	5418.21	1.80

IPO Equity Funds Raised (Jan - Dec 2016)

Rank	Exchange	IPO Equity Funds Raised (US\$ million)
1	HKEX	25,135
2	Shanghai Stock Exchange	16,292
3	NYSE	14,693
4	Nasdaq - US	10,892
5	Japan Exchange Group Inc	10,663
6	LSE	7,856
7	Shenzhen Stock Exchange	7,775
8	Nasdaq - Copenhagen	5,890
9	Deutsche Boerse	5,787
10	Korea Exchange	5,593

Source : HKEX and Bloomberg

Figures are provisional

Total Equity Funds Raised (Jan - Nov 2016)

Rank	Exchange	Total Equity Funds Raised (US\$ million)
1	Shenzhen Stock Exchange	144,739.5
2	Euronext	132,081.6
3	Shanghai Stock Exchange	114,490.0
4	NYSE	106,380.0
5	HKEX	53,698.8
6	TMX Group	42,795.3
7	LSE Group	30,981.1
8	BME Spanish Exchanges	28,071.7
9	Australian Securities Exchange	26,128.7
10	Japan Exchange Group Inc	21,662.0

Source : World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Figures are provisional

Market Value of Shares of Domestic-listed Companies (Main and Parallel Markets)

Exchange	November 2016		December 2015		% Change
	Rank	Market value (US\$ million)	Rank	Market value (US\$ million)	
NYSE	1	18,992,349.9	1	17,786,787.4	6.8
Nasdaq - US	2	7,686,225.3	2	7,280,752.2	5.6
Japan Exchange Group Inc	3	4,987,478.2	3	4,894,919.1	1.9
Shanghai Stock Exchange	4	4,281,986.1	4	4,549,288.0	-5.9
Shenzhen Stock Exchange	5	3,412,904.5	6	3,638,731.3	-6.2
Euronext	6	3,311,994.5	7	3,305,901.4	0.2
LSE Group	7	3,294,827.5	5	3,878,774.2	-15.1
HKEX	8	3,291,144.8	8	3,184,874.2	3.3
TMX Group	9	1,961,397.8	10	1,591,928.6	23.2
Deutsche Boerse	10	1,616,278.1	9	1,715,800.5	-5.8

Source : World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Market value excludes investment funds

TMX Group includes TSX Venture market cap

Percentage changes are calculated based on rounded figures

Value of Share Trading (Main and Parallel Markets) (Jan - Nov 2016)

Rank	Exchange	Value of Share Trading (US\$ million)
1	Nasdaq - US	29,264,086.9
2	NYSE	18,229,585.5
3	BATS Global Markets	12,650,359.9
4	Shenzhen Stock Exchange	10,896,673.7
5	BATS Chi-x Europe	7,156,263.6
6	Shanghai Stock Exchange	6,887,211.8
7	Japan Exchange Group Inc	5,776,493.2
8	LSE Group	3,103,626.9
9	Euronext	2,552,256.1
10	Korea Exchange	1,572,369.6
11	HKEX	1,318,492.9

Source: World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Figures are the sum of the values of electronic order book (EOB) trades, negotiated deals and reported trades as reported separately in WFE statistics

They are not entirely comparable across exchanges because of different reporting rules and calculation methods

Total Turnover of Securitised Derivatives, including Warrants and CBBCs (Jan - Nov 2016)

Rank	Exchange	Turnover (US\$ million)
1	HKEX	494,878.3
2	Deutsche Boerse	37,772.0
3	Tel-Aviv Stock Exchange	31,778.3
4	LSE Group	24,131.8
5	The Stock Exchange of Thailand	17,416.2
6	Korea Exchange	16,828.2
7	SIX Swiss Exchange	14,002.0
8	Taiwan Stock Exchange	12,312.8
9	Euronext	9,722.8
10	Singapore Exchange	4,722.7

Source: World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Due to different reporting rules & calculation methods, turnover figures are not entirely comparable

Figures include the turnover of structured products such as derivative warrants, equity warrants, callable bull/bear contracts and equity linked instruments

Total Turnover of ETFs (Jan - Nov 2016)

Rank	Exchange	Turnover (US\$ million)
1	Nasdaq - US	7,583,321.2
2	NYSE	4,846,873.7
3	Japan Exchange Group Inc	533,809.9
4	LSE Group	476,279.5
5	Deutsche Boerse	167,979.1
6	Korea Exchange	155,627.7
7	Euronext	147,676.7
8	HKEX	121,247.5
9	Shenzhen Stock Exchange	99,057.5
10	Shanghai Stock Exchange	86,280.5

Source: World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Due to different reporting rules & calculation methods, turnover figures are not entirely comparable

Ten Largest IPO Funds Raised by Newly Hong Kong Listed Companies in 2016

Rank	Company Name	IPO Funds Raised (HK\$ billion)
1	Postal Savings Bank of China Co Ltd - H Shares (1658)	59.15
2	China Resources Pharmaceutical Group Ltd (3320)	15.06
3	China Zheshang Bank Co Ltd - H Shares (2016)	15.03
4	China Merchants Securities Co Ltd - H Shares (6099)	10.70
5	Everbright Securities Co Ltd - H Shares (6178)	8.93
6	BOC Aviation Ltd (2588)	8.74
7	DFZQ - H Shares (3958)	8.37
8	CSC Financial Co Ltd - H Shares (6066)	7.70
9	Bank of Tianjin Co Ltd - H Shares (1578)	7.68
10	China Development Bank Financial Leasing Co Ltd - H Shares (1606)	6.28

Ten Largest IPO Funds Raised by Newly Hong Kong Listed Companies since 1986

Rank	Company Name	IPO Funds Raised (HK\$ billion)
1	AIA Group Ltd (1299)	159.08
2	Industrial and Commercial Bank of China Ltd - H Shares (1398)	124.95
3	Agricultural Bank of China Ltd - H Shares (1288)	93.52
4	Bank of China Ltd - H Shares (3988)	86.74
5	Glencore International plc (805)	77.75
6	China Construction Bank Corporation - H Shares (939)	71.58
7	Postal Savings Bank of China Co Ltd - H Shares (1658)	59.15
8	China Unicom (Hong Kong) Ltd (762)	43.61
9	Huatai Securities Co Ltd - H Shares (6886)	38.76
10	China CITIC Bank Corporation Ltd - H Shares (998)	32.92

CHINA DIMENSION

Mainland Enterprises refer to the following:

H-Share Companies

H-share companies are enterprises that are incorporated in the Mainland which are either controlled by Mainland Government entities or individuals.

Red Chip Companies

Red chip companies are enterprises that are incorporated outside of the Mainland and are controlled by Mainland Government entities.

Mainland Private Enterprises

Mainland private enterprises are companies that are incorporated outside of the Mainland and are controlled by Mainland individuals.

MAIN BOARD and GEM

Performance of Mainland Enterprises

	As at				% Change
	30 Dec 2016		31 Dec 2015		
Number of listed companies	1,002	(51 %)	951	(51 %)	5
Number of newly listed companies for the year	57 [#]	(45 %)	75 [^]	(54 %)	-24
Market capitalisation (HK\$bil)	15,663.89	(63 %)	15,319.82	(62 %)	2

	As of				% Change
	30 Dec 2016		31 Dec 2015		
Average daily equity turnover (HK\$mil)	32,191.0	(71 %)	51,439.4	(73 %)	-37
Total equity funds raised (HK\$bil)	347.2 [*]	(71 %)	658.1	(59 %)	-47
▪ IPO funds raised (HK\$bil)	182.4 [*]	(94 %)	242.8	(92 %)	-25
▪ Post IPO funds raised (HK\$bil)	164.8 [*]	(56 %)	415.3	(49 %)	-60
Total equity funds raised since Jan 1993 (HK\$bil)	5,442.8 [*]	(61 %)	5,095.6	(60 %)	7

The share of Mainland enterprises of the equity market total is presented as a percentage in brackets

[#] Includes 15 H-share companies, 3 red chips and 39 Mainland private enterprises
(Among which 3 Mainland private enterprises moved their listings from GEM to the Main Board)

[^] Includes 31 H-share companies, 2 red chips and 42 Mainland private enterprises
(Among which 5 Mainland private enterprises moved their listings from GEM to the Main Board)

^{*} Provisional figures

Percentage changes are calculated based on rounded figures

Numbers may not add up to the totals due to rounding

MAIN BOARD and GEM

Market Capitalisation of Mainland Enterprises

As at Year-end	Market Capitalisation of H Shares (HK\$ billion)	Market Capitalisation of Red Chips (HK\$ billion)	Market Capitalisation of Mainland Private Enterprises* (HK\$ billion)	Total Market Capitalisation of Mainland Enterprises (HK\$ billion)	% of Mainland Enterprises of Total Market Capitalisation
2007	5,079.52	5,524.44	1,445.06	12,049.01	58
2008	2,731.74	2,875.90	553.27	6,160.91	60
2009	4,713.48	3,868.69	1,861.58	10,443.75	58
2010	5,230.48	4,385.97	2,319.32	11,935.77	57
2011	4,101.27	4,002.52	1,619.95	9,723.75	55
2012	4,896.00	4,839.06	2,862.72	12,597.78	57
2013	4,912.54	4,828.40	3,949.63	13,690.57	57
2014	5,729.66	5,228.02	4,119.94	15,077.62	60
2015	5,164.64	5,150.70	5,004.48	15,319.82	62
2016	5,323.12	4,912.35	5,428.43	15,663.89	63

* Revised methodology for classification of listed companies took effect from 1 January 2012 (Mainland private enterprises were classified as Non-H Share Mainland Private Enterprises before revision).

MAIN BOARD and GEM

Number of Issuers of Mainland Enterprises

As at Year-end	No. of Issuers (H Shares)	No. of Issuers (Red Chips)	No. of Issuers (Mainland Private Enterprises)*	Total No. of Issuers (Mainland Enterprises)	% of Mainland Enterprises of Total Number of Listed Companies in the Equity Market
2007	146	93	200	439	35
2008	150	93	222	465	37
2009	156	97	271	524	40
2010	163	102	327	592	42
2011	168	107	365	640	43
2012	176	108	437	721	47
2013	182	122	493	797	49
2014	202	133	541	876	50
2015	229	145	577	951	51
2016	241	153	608	1002	51

* Revised methodology for classification of listed companies took effect from 1 January 2012 (Mainland private enterprises were classified as Non-H Share Mainland Private Enterprises before revision).

MAIN BOARD and GEM

Total Annual Trading Turnover of Mainland Enterprises

Year	Total Annual Trading Turnover of H Shares (HK\$ billion)	Total Annual Trading Turnover of Red Chips (HK\$ billion)	Total Annual Trading Turnover of Mainland Private Enterprises* (HK\$ billion)	Total Annual Trading Turnover of Mainland Enterprises (HK\$ billion)	% of Mainland Enterprises of Total Annual Equity Turnover
2007	7,772.53	2,736.44	1,040.43	11,549.41	69
2008	6,138.45	2,285.07	553.77	8,977.30	71
2009	5,168.31	1,938.05	1,230.20	8,336.55	72
2010	4,717.78	1,931.03	1,787.32	8,436.13	68
2011	4,666.86	1,700.15	1,599.61	7,966.62	66
2012	3,682.20	1,460.30	1,485.93	6,628.42	70
2013	4,221.56	1,711.58	2,103.48	8,036.62	72
2014	4,401.99	1,902.23	2,628.98	8,933.20	71
2015	6,890.68	2,420.40	3,394.45	12,705.53	73
2016	3,988.85	1,566.14	2,331.82	7,886.80	71

* Revised methodology for classification of listed companies took effect from 1 January 2012 (Mainland private enterprises were classified as Non-H Share Mainland Private Enterprises before revision).

DERIVATIVES MARKET

Derivatives Market Statistics of Key Products

	Up to 30 Dec 2016		Up to 31 Dec 2015	
	Volume (Contracts)	Period-end Open Interest	Volume (Contracts)	Period-end Open Interest
Futures and Options	188,150,672	9,296,110	189,824,363	7,266,980
Futures	84,100,129	625,456	73,462,212	617,026
Hang Seng Index Futures	32,313,994	123,004	21,239,775	97,118
Mini-Hang Seng Index Futures	12,477,552	9,572	10,046,556	7,556
H-shares Index Futures	33,031,130	322,024	33,379,310	384,767
Mini H-shares Index Futures	4,870,262	4,399	7,506,543	6,088
HSI Dividend Point Index Futures	16,886	4,621	9,573	2,581
HSCEI Dividend Point Index Futures	589,188	109,112	205,269	75,426
HSI Volatility Index Futures	87	0	464	1
CES China 120 Index Futures	642	16	27,427	5
CES Gaming Top 10 Index Futures*	0	0	-	-
Hang Seng Mainland Oil & Gas Index Futures*	6	1	-	-
Hang Seng Mainland Banks Index Futures*	285	8	-	-
Hang Seng Mainland Healthcare Index Futures*	0	0	-	-
Hang Seng Mainland Properties Index Futures*	5	0	-	-
Hang Seng IT Hardware Index Futures*	0	0	-	-
Hang Seng Software & Services Index Futures*	0	0	-	-
Stock Futures	225,978	5,365	729,013	20,088
Three-month HIBOR Futures	52	40	90	0
One-month HIBOR Futures	0	0	6	0

* Trading commenced on 9 May 2016

DERIVATIVES MARKET

Derivatives Market Statistics of Key Products (continued)

	Up to 30 Dec 2016		Up to 31 Dec 2015	
	Volume (Contracts)	Period-end Open Interest	Volume (Contracts)	Period-end Open Interest
Futures and Options				
RMB Currency Futures - USD/CNH Futures	538,594	45,635	262,433	23,046
RMB Currency Futures - EUR/CNH Futures [^]	952	98	-	-
RMB Currency Futures - JPY/CNH Futures [^]	390	6	-	-
RMB Currency Futures - AUD/CNH Futures [^]	88	8	-	-
RMB Currency Futures - CNH/USD Futures [^]	4,867	1,494	-	-
London Aluminium Mini Futures	1,829	2	11,554	75
London Zinc Mini Futures	12,394	17	16,654	109
London Copper Mini Futures	3,354	3	27,388	16
London Lead Mini Futures [†]	7	0	0	0
London Nickel Mini Futures [†]	11,550	31	155	150
London Tin Mini Futures [†]	37	0	2	0
Options	104,050,543	8,670,654	116,362,151	6,649,954
Hang Seng Index Options	9,353,749	249,699	7,515,466	172,564
Mini-Hang Seng Index Options	1,424,379	11,917	1,033,813	4,945
Flexible Hang Seng Index Options	560	0	5,300	2,975
H-shares Index Options	19,475,726	2,066,340	15,304,245	1,625,661
Mini H-shares Index Options ^{††}	197,399	3,265	-	-
Flexible H-shares Index Options	16,616	11,930	39,848	16,131
Stock Options	73,582,114	6,327,503	92,463,479	4,827,678

[^] Trading commenced on 30 May 2016

[†] Trading commenced on 14 Dec 2015

^{††} Trading commenced on 5 Sep 2016

Turnover in the Derivatives Markets (Jan - Nov 2016)

Rank	Exchange	Contracts (million)
1	National Stock Exchange of India	1,252.0
2	EUREX	1,072.5
3	BM&FBOVESPA	813.4
4	Chicago Board Options Exchange	731.9
5	CME Group	710.5
6	Korea Exchange	519.6
7	Moscow Exchange	487.9
8	Nasdaq - US	474.7
9	NYSE	342.3
10	Japan Exchange Group Inc	301.5
•	•	•
•	•	•
•	•	•
14	HKEX	169.2

Source: World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Figures include turnover in stock options, single stock futures and stock index options and futures.

It should be noted that contracts vary in size

Figures are provisional

Notional Turnover in the Derivatives Markets (Jan - Nov 2016)

Rank	Exchange	Notional Turnover (US\$ million)
1	CME Group	77,192,700.0
2	Korea Exchange	37,459,102.1
3	EUREX	34,076,338.0
4	National Stock Exchange of India	11,488,280.0
5	Japan Exchange Group Inc	9,500,570.0
6	HKEX	8,731,956.1
7	ICE Futures Europe	8,415,564.2
8	TAIFEX	4,234,391.1
9	ICE Futures US	3,938,879.0
10	Euronext	3,020,973.8

Source: World Federation of Exchanges (WFE) Monthly Statistics (not including exchanges for which statistics are not available)

Some exchanges provide information regarding turnover in terms of number of contracts traded only but the corresponding turnover in terms of notional value is not available. Readers should exercise caution when comparing performance

Figures include turnover in stock options, single stock futures and stock index options and futures.

The notional value of derivatives is the number of contracts traded multiplied by the contracts' underlying value. The contracts' underlying value is calculated by multiplying the market price of the underlying asset for each contract times the contract's multiplier. It is an approximate measure of the underlying value of the number of contracts traded.

Figures are provisional

CCASS STATISTICS

	Up to year-end	
	2016	2015
Average Daily Exchange Trades Handled by CCASS		
- Number of Trades	1,081,017	1,397,853
- Value of Trades	\$66.9 billion	\$102.8 billion
- Share Quantity Involved	186.2 billion	216.8 billion
Average Daily Settlement Instructions (SIs) Settled by CCASS		
- Number of SIs	83,194	101,029
- Value of SIs	\$181.9 billion	\$254.7 billion
- Share Quantity Involved	46.8 billion	55.9 billion
Average Daily Investor Settlement Instructions (ISIs) Settled by CCASS		
- Number of ISIs	277	443
- Value of ISIs	\$136.5 million	\$199.8 million
- Share Quantity Involved	87.3 million	134.4 million

CCASS STATISTICS

	Up to year-end	
	2016	2015
Average Daily Settlement Efficiency of CNS Stock Positions on Due Day (T+2)	99.91%	99.91%
Average Daily Settlement Efficiency of CNS Stock Positions on the Day following the Due Day (T+3)	99.99%	99.99%
Average Daily Buy-ins Executed on T+3		
- Number of Brokers Involved	3	5
- Number of Buy-ins	3	5
- Value of Buy-ins	\$2.32 million	\$3.7 million

Shares Deposited in the CCASS Depository

- Number of Shares	5,878.9 billion	5,467.2 billion
- Percentage of Total Issued Share Capital of the Admitted Securities	75%	75%
- Value of Shares	\$15,685.8	\$15,071.2 billion
- Percentage of the Total Market Capitalisation of the Admitted Securities	57%	57%

London Metal Exchange Statistics

Turnovers in Lots

Futures & Options

Product		2016	2015	% Change
AH	Aluminium High Grade	56,082,746	62,541,050	-10.3%
AA	Aluminium Alloy	128,006	217,503	-41.1%
CA	Copper A Grade	38,739,654	41,048,609	-5.6%
PB	Lead	10,936,361	12,971,442	-15.7%
NI	Primary Nickel	20,690,179	20,699,745	0.0%
SN	Tin	1,360,010	1,469,389	-7.4%
ZS	Special High Grade Zinc	28,123,804	30,037,039	-6.4%
NA	North American Special Aluminium Alloy	364,967	546,355	-33.2%
MX	LMEX	-	-	
FM	Steel Mediterranean Billet	-	28	-100.0%
CO	Cobalt	7,894	8,668	-8.9%
MO	Molybdenum	144	356	-59.6%
MC	LMEmini Copper A Grade	-	-	
MA	LMEmini Primary Aluminium	-	-	
MZ	LMEmini Special High Grade Zinc	-	-	
OA	Primary Aluminium Monthly Average Future	12,488	9,466	31.9%
OL	Aluminium Alloy Monthly Average Future	-	-	
OC	Copper Monthly Average Future	3,083	4,496	-31.4%
OP	Lead Monthly Average Future	1,283	968	32.5%
ON	Nickel Monthly Average Future	752	363	107.2%
OS	Tin Monthly Average Future	960	304	215.8%
OZ	Zinc Monthly Average Future	2,571	1,957	31.4%
OM	NASAAC Monthly Average Future	92	-	100.0%
AE	Aluminium Premium Future East Asia	-	-	
AN	Aluminium Premium Future Extended US	-	-	
AS	Aluminium Premium Future South East Asia	-	-	
AW	Aluminium Premium Future Western Europe	-	-	
SC	Steel Scrap	49,099	39	125794.9%
SR	Steel Rebar	8,637	69	12417.4%
	Grand Total	156,512,730	169,557,846	-7.7%

Number of trading days	253	253
Average daily volume	618,627	670,189

London Metal Exchange Statistics

Turnovers in Lots

Futures

Product	2016	2015	% Change
AH Aluminium High Grade	53,073,441	59,880,649	-11.4%
AA Aluminium Alloy	128,006	217,503	-41.1%
CA Copper A Grade	36,947,881	38,557,831	-4.2%
PB Lead	10,571,590	12,522,608	-15.6%
NI Primary Nickel	19,947,714	19,959,729	-0.1%
SN Tin	1,353,350	1,463,139	-7.5%
ZS Special High Grade Zinc	26,942,407	28,751,185	-6.3%
NA North American Special Aluminium Alloy	358,797	540,645	-33.6%
MX LMEX	-	-	-
FM Steel Mediterranean Billet	-	28	-100.0%
CO Cobalt	7,894	8,668	-8.9%
MO Molybdenum	144	356	-59.6%
MC LMEmini Copper A Grade	-	-	-
MA LMEmini Primary Aluminium	-	-	-
MZ LMEmini Special High Grade Zinc	-	-	-
OA Primary Aluminium Monthly Average Future	12,488	9,466	31.9%
OL Aluminium Alloy Monthly Average Future	-	-	-
OC Copper Monthly Average Future	3,083	4,496	-31.4%
OP Lead Monthly Average Future	1,283	968	32.5%
ON Nickel Monthly Average Future	752	363	107.2%
OS Tin Monthly Average Future	960	304	215.8%
OZ Zinc Monthly Average Future	2,571	1,957	31.4%
OM NASAAC Monthly Average Future	92	-	100.0%
AE Aluminium Premium Future East Asia	-	-	-
AN Aluminium Premium Future Extended US	-	-	-
AS Aluminium Premium Future South East Asia	-	-	-
AW Aluminium Premium Future Western Europe	-	-	-
SC Steel Scrap	49,099	39	125794.9%
SR Steel Rebar	8,637	69	12417.4%
Totals	149,410,189	161,920,003	-7.7%

London Metal Exchange Statistics

Turnovers in Lots

Options

Product		2016	2015	% Change
AH	Aluminium High Grade	2,915,725	2,608,985	11.8%
AA	Aluminium Alloy	-	-	-
CA	Copper A Grade	1,762,967	2,485,153	-29.1%
PB	Lead	364,451	447,282	-18.5%
NI	Primary Nickel	732,523	726,373	0.8%
SN	Tin	6,660	6,250	6.6%
ZS	Special High Grade Zinc	1,159,365	1,284,521	-9.7%
NA	North American Special Aluminium Alloy	6,170	3,210	92.2%
Totals		6,947,861	7,561,774	-8.1%

TAPOS[#]

Product		2016	2015	% Change
AH	Aluminium High Grade	93,580	51,416	82.0%
AA	Aluminium Alloy	-	-	-
CA	Copper A Grade	28,806	5,625	412.1%
PB	Lead	320	1,552	-79.4%
NI	Primary Nickel	9,942	13,643	-27.1%
SN	Tin	-	-	-
ZS	Special High Grade Zinc	22,032	1,333	1552.8%
NA	North American Special Aluminium Alloy	-	2,500	-100.0%
Totals		154,680	76,069	103.3%

Traded Average Price Options - the settlement price of this kind of options is based on the average settlement price of the month.

PARTICIPANT STATISTICS

	<u>Stock Exchange</u>		<u>Futures Exchange</u>	
	As at year-end		As at year-end	
	2016	2015	2016	2015
Exchange Participants	592	550	180	179
<i>Trading</i>	556	515	180	179
<i>Non-trading</i>	36	35	N/A	N/A

Clearing Participants

<u>CCASS</u>	<u>End of 2016</u>	<u>End of 2015</u>
Direct Clearing Participants	533	492
General Clearing Participants	9	10
Clearing Agency Participants	2	2
Custodian Participants	35	36
Stock Pledgee Participants	5	5

<u>HKCC</u>		
Clearing Participants	152	151
General Clearing Participants	9	9

<u>SEOCH</u>		
Direct Clearing Participants	65	69
General Clearing Participants	9	9

Notes:

CCASS

A Direct Clearing Participant must be an Exchange Participant of SEHK

A General Clearing Participant is entitled to clear securities trades concluded by itself, where applicable, and on behalf of non-clearing Participants with which it has entered into a Clearing Agreement

A Clearing Agency Participant must be a body operating the central securities clearing and settlement system or central securities depository system

A Custodian Participant must be an authorised institution under the Banking Ordinance, a trust company under the Trustee Ordinance or a licensed corporation under the Securities and Futures Ordinance

A Stock Pledgee Participant must be an authorised institution under the Banking Ordinance or a licensed money lender under the Money Lenders Ordinance

HKCC

Both a Clearing Participant and a General Clearing Participant must be an Exchange Participant of HKFE

A Clearing Participant is entitled to clear Futures Contracts and/or Options Contracts concluded by itself

A General Clearing Participant is entitled to clear Futures Contracts and/or Options Contracts concluded by itself and on behalf of non-clearing Participants with which it has entered into a Clearing Agreement

SEOCH

A Direct Clearing Participant and a General Clearing Participant must be an Options Trading Exchange Participant of SEHK

A Direct Clearing Participant is entitled to clear Stock Options Contracts concluded by itself

A General Clearing Participant is entitled to clear Stock Options Contracts concluded by itself and on behalf of non-clearing Participants with which it has entered into a Clearing Agreement