

**Table 23A: Derivative financial instruments traded on organised exchanges****By instrument and location**

Notional principal in billions of US dollars

Instrument / location	Amounts outstanding				Turnover					
	Dec 2013	Dec 2014	Mar 2015	Jun 2015	2013	2014	Q3 2014	Q4 2014	Q1 2015	Q2 2015
<b>Futures</b>										
<b>All markets</b>	<b>25,787.3</b>	<b>27,153.8</b>	<b>27,529.1</b>	<b>28,047.5</b>	<b>1,415,382.9</b>	<b>1,450,441.3</b>	<b>356,849.7</b>	<b>376,043.8</b>	<b>369,133.0</b>	<b>354,144.2</b>
Interest rate	24,165.1	25,348.4	25,567.4	26,116.4	1,244,191.2	1,266,579.2	312,921.6	317,722.9	312,638.0	279,913.7
Currency	243.9	233.7	236.2	232.9	32,615.6	28,837.2	7,286.6	8,193.3	7,295.0	7,157.2
Equity index	1,378.3	1,571.7	1,725.5	1,698.2	138,576.0	155,024.9	36,641.5	50,127.6	49,200.0	67,073.3
<b>North America</b>	<b>14,261.5</b>	<b>16,245.9</b>	<b>16,817.9</b>	<b>17,715.9</b>	<b>721,039.4</b>	<b>888,561.0</b>	<b>231,044.2</b>	<b>249,196.2</b>	<b>236,060.9</b>	<b>203,707.7</b>
Interest rate	13,592.5	15,553.7	16,151.6	17,053.3	644,883.7	809,509.7	211,742.1	226,314.0	216,195.8	185,271.6
Currency	155.0	151.1	148.0	138.4	25,589.1	22,010.7	5,496.5	6,336.0	5,462.8	5,385.2
Equity index	514.1	541.0	518.3	524.2	50,566.7	57,040.6	13,805.6	16,546.2	14,402.3	13,050.9
<b>Europe</b>	<b>8,522.4</b>	<b>7,664.5</b>	<b>7,512.5</b>	<b>7,263.9</b>	<b>540,894.9</b>	<b>427,947.1</b>	<b>92,106.3</b>	<b>85,339.8</b>	<b>88,282.6</b>	<b>86,806.5</b>
Interest rate	7,956.5	7,076.9	6,827.2	6,598.5	509,975.0	390,821.1	83,248.9	75,087.1	78,457.1	77,528.6
Currency	3.4	3.4	2.8	4.0	497.6	774.0	188.6	286.5	192.4	234.4
Equity index	562.5	584.2	682.5	661.4	30,422.3	36,352.0	8,668.8	9,966.1	9,633.1	9,043.5
<b>Asia and Pacific</b>	<b>2,105.4</b>	<b>2,204.1</b>	<b>2,244.9</b>	<b>2,066.0</b>	<b>127,116.8</b>	<b>112,887.0</b>	<b>27,840.2</b>	<b>36,472.5</b>	<b>39,893.0</b>	<b>58,774.3</b>
Interest rate	1,809.1	1,764.6	1,728.3	1,560.1	68,802.1	51,169.0	13,658.5	12,856.0	14,599.2	13,672.9
Currency	10.4	10.7	11.9	14.3	2,056.6	1,474.4	390.3	397.8	432.3	408.9
Equity index	286.0	428.8	504.7	491.6	56,258.1	60,243.6	13,791.4	23,218.7	24,861.5	44,692.5
<b>Other Markets</b>	<b>898.1</b>	<b>1,039.3</b>	<b>953.7</b>	<b>1,001.7</b>	<b>26,331.7</b>	<b>21,046.2</b>	<b>5,859.0</b>	<b>5,035.4</b>	<b>4,896.5</b>	<b>4,855.8</b>
Interest rate	807.1	953.2	860.3	904.5	20,530.4	15,079.4	4,272.1	3,465.8	3,385.9	3,440.6
Currency	75.1	68.5	73.5	76.2	4,472.4	4,578.1	1,211.2	1,173.0	1,207.5	1,128.8
Equity index	15.9	17.6	19.9	21.0	1,329.0	1,388.8	375.7	396.6	303.1	286.4
<b>Options</b>										
<b>All markets</b>	<b>38,310.4</b>	<b>37,689.1</b>	<b>41,351.5</b>	<b>42,176.3</b>	<b>467,383.7</b>	<b>486,003.0</b>	<b>123,286.0</b>	<b>121,738.1</b>	<b>119,178.1</b>	<b>107,663.7</b>
Interest rate	32,786.2	31,874.0	35,059.7	35,707.2	354,368.4	334,809.3	83,091.6	73,296.6	79,349.4	70,077.9
Currency	142.6	143.4	160.1	155.5	3,023.1	3,069.7	835.9	936.9	990.0	943.4
Equity index	5,381.6	5,671.6	6,131.7	6,313.6	109,992.1	148,124.0	39,358.4	47,504.7	38,838.7	36,642.3
<b>North America</b>	<b>20,890.2</b>	<b>28,329.1</b>	<b>31,147.5</b>	<b>30,362.7</b>	<b>224,248.7</b>	<b>314,803.4</b>	<b>83,282.3</b>	<b>88,707.0</b>	<b>87,675.2</b>	<b>77,671.4</b>
Interest rate	17,769.9	24,589.8	27,400.5	26,429.7	164,604.6	232,199.2	62,741.0	62,551.7	66,023.3	56,721.1
Currency	94.6	98.0	103.0	93.4	2,051.2	2,246.7	650.9	690.0	714.1	709.1
Equity index	3,025.7	3,641.4	3,644.0	3,839.6	57,593.0	80,357.4	19,890.4	25,465.2	20,937.8	20,241.2
<b>Europe</b>	<b>15,807.0</b>	<b>8,141.3</b>	<b>9,088.2</b>	<b>10,619.2</b>	<b>200,020.5</b>	<b>116,076.0</b>	<b>23,281.4</b>	<b>15,037.7</b>	<b>17,587.9</b>	<b>16,842.7</b>
Interest rate	14,274.0	6,771.6	7,342.4	8,889.3	184,581.9	98,761.3	19,327.3	10,125.7	12,574.5	12,480.1
Currency	0.7	3.1	1.6	2.3	6.4	45.9	2.7	39.6	5.4	6.3
Equity index	1,532.4	1,366.6	1,744.2	1,727.6	15,432.2	17,268.9	3,951.3	4,872.3	5,008.0	4,356.2
<b>Asia and Pacific</b>	<b>791.2</b>	<b>648.8</b>	<b>732.6</b>	<b>734.0</b>	<b>37,591.9</b>	<b>49,983.2</b>	<b>15,354.4</b>	<b>17,018.4</b>	<b>12,879.6</b>	<b>11,932.8</b>
Interest rate	4.1	17.0	13.8	10.9	2,143.8	1,274.8	291.4	316.7	337.0	323.5
Currency	0.4	1.4	1.4	1.5	354.1	154.6	43.3	51.7	114.4	92.1
Equity index	786.6	630.4	717.5	721.7	35,094.0	48,553.8	15,019.7	16,650.0	12,428.2	11,517.2
<b>Other Markets</b>	<b>822.1</b>	<b>569.9</b>	<b>383.2</b>	<b>460.4</b>	<b>5,522.5</b>	<b>5,140.4</b>	<b>1,368.0</b>	<b>975.1</b>	<b>1,035.4</b>	<b>1,216.8</b>
Interest rate	738.2	495.6	303.0	377.2	3,038.2	2,573.9	731.9	302.5	414.6	553.1
Currency	47.0	41.0	54.1	58.3	611.4	622.5	139.1	155.5	156.0	136.0
Equity index	36.9	33.3	26.0	24.8	1,872.9	1,944.0	497.0	517.1	464.7	527.7