

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

Notional principal in billions of US dollars

Instrument / location	Amounts outstanding				2010		2011		Turnover			
	Dec 2010	Dec 2011	Jun 2012	Sep 2012	2010	2011	Q4 2011	Q1 2012	Q2 2012	Q3 2012		
<b>Futures</b>												
<b>All markets</b>	<b>22,312.0</b>	<b>22,924.1</b>	<b>23,738.2</b>	<b>24,965.2</b>	<b>1,380,538.9</b>	<b>1,524,140.9</b>	<b>285,308.7</b>	<b>306,691.3</b>	<b>312,260.2</b>	<b>279,301.1</b>		
Interest rate	21,013.4	21,718.9	22,411.0	23,543.2	1,235,907.4	1,359,130.8	248,177.1	280,139.8	273,951.1	245,487.9		
Currency	170.2	221.2	214.6	235.4	35,771.2	37,627.6	8,103.0	8,120.8	8,692.6	7,762.9		
Equity index	1,128.4	984.0	1,112.6	1,186.5	108,860.3	127,382.4	29,028.6	18,430.7	29,616.6	26,050.3		
<b>North America</b>	<b>11,863.5</b>	<b>13,107.9</b>	<b>13,247.8</b>	<b>13,273.7</b>	<b>729,195.9</b>	<b>822,958.4</b>	<b>151,434.2</b>	<b>174,504.9</b>	<b>166,869.6</b>	<b>145,625.6</b>		
Interest rate	11,351.1	12,568.1	12,673.1	12,670.1	658,193.5	740,210.8	132,423.4	160,649.6	147,457.3	129,265.0		
Currency	114.8	150.6	139.7	157.5	28,649.0	30,188.7	6,475.3	6,435.1	6,933.4	6,229.9		
Equity index	397.6	389.2	435.1	446.0	42,353.4	52,558.8	12,535.6	7,420.3	12,478.9	10,130.7		
<b>Europe</b>	<b>6,345.3</b>	<b>6,531.1</b>	<b>7,426.5</b>	<b>8,507.8</b>	<b>533,297.9</b>	<b>565,184.7</b>	<b>105,495.2</b>	<b>104,997.1</b>	<b>111,425.8</b>	<b>101,668.5</b>		
Interest rate	5,816.6	6,100.0	6,948.2	8,016.2	498,836.1	525,692.3	97,014.4	99,644.5	103,136.2	95,138.6		
Currency	2.5	2.7	2.8	3.0	255.2	363.3	82.8	68.9	106.7	134.7		
Equity index	526.1	428.4	475.5	488.6	34,206.5	39,129.2	8,398.1	5,283.7	8,182.9	6,395.2		
<b>Asia and Pacific</b>	<b>3,168.6</b>	<b>2,339.1</b>	<b>2,221.4</b>	<b>2,105.7</b>	<b>92,273.5</b>	<b>107,490.1</b>	<b>22,091.0</b>	<b>20,342.0</b>	<b>26,631.3</b>	<b>25,901.4</b>		
Interest rate	2,982.8	2,181.9	2,018.1	1,864.4	60,899.6	71,504.2	13,969.2	14,528.4	17,707.8	16,350.2		
Currency	1.5	8.1	9.0	8.6	1,594.4	2,001.9	418.9	362.3	388.9	397.6		
Equity index	184.2	149.1	194.3	232.7	29,779.6	33,984.0	7,702.9	5,451.4	8,534.6	9,153.5		
<b>Other Markets</b>	<b>934.7</b>	<b>946.1</b>	<b>842.5</b>	<b>1,078.0</b>	<b>25,771.7</b>	<b>28,507.6</b>	<b>6,288.2</b>	<b>6,847.3</b>	<b>7,333.5</b>	<b>6,105.7</b>		
Interest rate	862.9	868.9	771.6	992.6	17,978.1	21,723.5	4,770.1	5,317.5	5,649.8	4,734.1		
Currency	51.4	59.9	63.1	66.3	5,272.6	5,073.7	1,126.0	1,254.5	1,263.6	1,000.6		
Equity index	20.4	17.4	7.8	19.1	2,520.9	1,710.5	392.1	275.3	420.2	370.9		
<b>Options</b>												
<b>All markets</b>	<b>45,634.6</b>	<b>33,639.2</b>	<b>35,784.7</b>	<b>31,482.9</b>	<b>606,661.8</b>	<b>635,363.3</b>	<b>132,621.7</b>	<b>120,373.7</b>	<b>116,775.8</b>	<b>93,883.5</b>		
Interest rate	40,930.0	31,579.6	33,225.3	28,800.5	468,872.0	466,281.3	97,614.9	98,797.1	83,252.7	72,204.7		
Currency	144.2	87.2	110.9	108.0	3,048.5	2,525.1	519.8	573.9	636.9	565.6		
Equity index	4,560.3	1,972.4	2,448.4	2,574.5	134,741.3	166,556.9	34,487.0	21,002.7	32,886.1	21,113.2		
<b>North America</b>	<b>24,353.4</b>	<b>18,025.8</b>	<b>16,713.4</b>	<b>13,632.2</b>	<b>261,543.9</b>	<b>262,514.8</b>	<b>53,926.3</b>	<b>62,060.8</b>	<b>52,263.0</b>	<b>43,963.8</b>		
Interest rate	22,070.2	17,779.1	16,252.6	13,208.1	225,342.9	218,368.1	43,082.0	55,449.4	40,989.5	33,860.8		
Currency	72.3	49.1	76.6	79.3	1,600.9	1,510.4	323.9	354.2	418.7	363.3		
Equity index	2,210.9	197.6	384.2	344.7	34,600.2	42,636.4	10,520.4	6,257.2	10,854.8	9,739.6		
<b>Europe</b>	<b>19,247.2</b>	<b>14,280.8</b>	<b>17,505.2</b>	<b>16,193.5</b>	<b>251,485.3</b>	<b>258,265.4</b>	<b>57,197.9</b>	<b>43,610.5</b>	<b>42,655.5</b>	<b>39,426.3</b>		
Interest rate	17,320.8	12,879.8	15,969.8	14,560.0	233,930.0	237,541.6	52,636.5	40,935.0	39,005.9	36,093.3		
Currency	0.3	0.3	0.2	0.4	5.1	3.4	0.8	0.6	1.1	1.1		
Equity index	1,926.1	1,400.6	1,535.2	1,633.2	17,550.2	20,720.4	4,560.6	2,674.9	3,648.5	3,331.9		
<b>Asia and Pacific</b>	<b>383.3</b>	<b>349.6</b>	<b>487.8</b>	<b>563.4</b>	<b>82,757.4</b>	<b>102,912.5</b>	<b>19,466.1</b>	<b>12,569.7</b>	<b>18,765.6</b>	<b>8,372.6</b>		
Interest rate	3.5	15.6	3.0	7.2	2,605.3	2,719.3	791.9	859.0	975.1	656.4		
Currency	0.3	0.8	1.3	1.4	6.2	257.0	51.1	50.8	50.6	59.9		
Equity index	379.4	333.3	483.5	554.8	80,145.8	99,936.1	18,623.1	11,659.9	17,739.9	7,656.3		
<b>Other Markets</b>	<b>1,650.7</b>	<b>983.1</b>	<b>1,078.3</b>	<b>1,093.8</b>	<b>10,875.2</b>	<b>11,670.6</b>	<b>2,031.4</b>	<b>2,132.7</b>	<b>3,091.7</b>	<b>2,120.8</b>		
Interest rate	1,535.5	905.1	1,000.0	1,025.3	6,993.8	7,652.3	1,104.5	1,553.7	2,282.3	1,594.2		
Currency	71.3	37.0	32.7	26.8	1,436.3	754.3	143.9	168.4	166.5	141.2		
Equity index	43.9	40.9	45.6	41.7	2,445.1	3,264.0	782.9	410.6	642.9	385.4		