

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 2011	Dec 2012	Mar 2013	Jun 2013	2011	2012	Q3 2012	Q4 2012	Q1 2013	Q2 2013
Futures										
All markets	22,924.1	24,121.3	26,074.6	25,188.2	1,524,140.6	1,159,867.4	279,408.6	261,471.1	352,087.1	395,347.2
Interest rate	21,718.9	22,641.3	24,630.5	23,804.0	1,359,130.6	1,026,136.8	245,574.9	226,458.6	312,537.9	350,565.6
Currency	221.2	230.7	237.1	224.7	37,627.6	31,916.2	7,766.5	7,336.3	8,940.4	9,717.1
Equity index	984.0	1,249.4	1,207.0	1,159.5	127,382.4	101,814.4	26,067.2	27,676.2	30,608.8	35,064.5
North America	13,107.9	12,894.7	13,743.2	12,997.0	822,958.4	619,897.0	145,635.0	132,887.5	161,576.0	208,738.2
Interest rate	12,568.1	12,297.0	13,134.9	12,464.3	740,210.8	553,546.2	129,269.9	116,169.4	143,769.6	188,097.5
Currency	150.6	157.6	165.5	127.2	30,188.7	25,486.7	6,233.7	5,884.5	7,217.4	7,632.1
Equity index	389.2	440.1	442.9	405.5	52,558.8	40,864.1	10,131.4	10,833.6	10,588.9	13,008.6
Europe	6,531.1	8,087.2	8,857.0	8,767.8	565,184.8	414,844.8	101,758.7	96,663.2	152,835.7	142,969.1
Interest rate	6,100.0	7,560.2	8,333.7	8,233.7	525,692.3	387,886.6	95,223.1	89,882.8	145,344.1	134,775.0
Currency	2.7	3.4	4.1	2.9	363.3	438.9	134.7	128.5	125.5	163.0
Equity index	428.4	523.7	519.3	531.3	39,129.2	26,519.3	6,400.9	6,651.8	7,366.0	8,031.1
Asia and Pacific	2,339.1	2,100.9	2,437.1	2,336.1	107,489.9	98,660.0	25,909.2	25,754.5	30,869.7	34,248.2
Interest rate	2,181.9	1,822.4	2,203.2	2,121.4	71,504.0	64,084.9	16,347.7	15,501.0	18,103.9	20,182.2
Currency	8.1	11.3	10.1	11.2	2,001.9	1,560.2	397.5	411.6	456.0	503.1
Equity index	149.1	267.2	223.7	203.4	33,984.0	33,015.0	9,164.0	9,841.9	12,309.8	13,563.0
Other Markets	946.1	1,038.5	1,037.2	1,087.2	28,507.6	26,465.6	6,105.7	6,165.9	6,805.8	9,391.7
Interest rate	868.9	961.7	958.7	984.6	21,723.5	20,619.2	4,734.1	4,905.3	5,320.2	7,511.0
Currency	59.9	58.4	57.4	83.4	5,073.7	4,430.5	1,000.7	911.7	1,141.4	1,418.9
Equity index	17.4	18.4	21.1	19.3	1,710.5	1,416.0	370.9	348.9	344.1	461.8
Options										
All markets	35,417.0	30,313.1	35,797.4	43,075.9	635,363.4	408,690.1	94,087.6	77,343.4	118,258.1	125,808.9
Interest rate	31,579.6	25,909.7	31,019.6	38,373.5	466,281.3	308,603.9	72,239.7	54,308.5	93,477.2	98,730.8
Currency	87.2	105.3	114.0	116.1	2,525.1	2,382.7	565.8	606.0	972.9	946.6
Equity index	3,750.8	4,298.1	4,663.8	4,586.3	166,556.9	97,703.6	21,282.1	22,428.9	23,808.0	26,131.5
North America	19,804.2	12,641.1	13,557.2	19,916.8	262,514.8	194,065.2	43,965.2	35,776.2	39,255.7	57,877.0
Interest rate	17,779.1	10,280.3	11,067.1	17,461.1	218,368.1	154,328.8	33,861.0	24,028.9	27,381.7	43,151.0
Currency	49.1	68.6	86.3	83.2	1,510.4	1,513.5	363.6	377.0	544.8	516.6
Equity index	1,976.0	2,292.3	2,403.8	2,372.4	42,636.4	38,222.9	9,740.6	11,370.3	11,329.2	14,209.3
Europe	14,280.8	15,636.3	20,636.1	21,560.0	258,265.4	157,061.9	39,464.0	31,331.8	68,051.4	57,864.3
Interest rate	12,879.8	14,225.4	19,065.4	20,017.2	237,541.6	144,243.9	36,127.9	28,175.1	64,040.2	54,095.6
Currency	0.3	0.6	0.5	0.4	3.4	4.3	1.1	1.5	2.1	1.6
Equity index	1,400.6	1,410.2	1,570.2	1,542.3	20,720.4	12,813.6	3,335.0	3,155.2	4,009.1	3,767.0
Asia and Pacific	349.6	563.0	659.2	642.0	102,912.5	48,132.3	8,551.1	8,142.4	8,829.0	8,515.5
Interest rate	15.6	1.8	4.3	2.1	2,719.3	3,182.8	656.5	692.1	704.6	683.8
Currency	0.8	1.4	1.9	2.1	257.0	237.6	59.9	76.3	97.3	117.9
Equity index	333.3	559.8	653.0	637.8	99,936.1	44,711.9	7,834.6	7,374.0	8,027.1	7,713.8
Other Markets	983.1	1,472.6	944.9	957.2	11,670.6	9,430.8	2,107.2	2,093.0	2,122.1	1,552.2
Interest rate	905.1	1,402.2	882.9	893.0	7,652.3	6,848.4	1,594.2	1,412.4	1,350.8	800.4
Currency	37.0	34.6	25.3	30.4	754.3	627.3	141.2	151.2	328.7	310.4
Equity index	40.9	35.8	36.8	33.8	3,264.0	1,955.1	371.9	529.4	442.6	441.3