

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 2010	Dec 2011	Dec 2012	Mar 2013	2011	2012	Q2 2012	Q3 2012	Q4 2012	Q1 2013
Futures										
All markets	22,312.0	22,924.1	24,121.3	26,012.7	1,524,140.9	1,159,850.2	312,266.0	279,408.6	261,471.1	352,188.3
Interest rate	21,013.4	21,718.9	22,641.3	24,577.4	1,359,130.8	1,026,120.5	273,951.1	245,574.9	226,458.6	312,600.2
Currency	170.2	221.2	230.7	230.3	37,627.6	31,916.2	8,692.6	7,766.5	7,336.3	8,930.3
Equity index	1,128.4	984.0	1,249.4	1,205.0	127,382.4	101,813.5	29,622.4	26,067.2	27,676.2	30,657.7
North America	11,863.5	13,107.9	12,894.7	13,686.4	822,958.4	619,897.0	166,869.6	145,635.0	132,887.5	161,554.9
Interest rate	11,351.1	12,568.1	12,297.0	13,086.8	740,210.8	553,546.2	147,457.3	129,269.9	116,169.4	143,763.8
Currency	114.8	150.6	157.6	158.7	30,188.7	25,486.7	6,933.4	6,233.7	5,884.5	7,207.4
Equity index	397.6	389.2	440.1	440.9	52,558.8	40,864.1	12,478.9	10,131.4	10,833.6	10,583.7
Europe	6,345.3	6,531.1	8,087.2	8,860.2	565,184.8	414,844.8	111,425.8	101,758.7	96,663.2	152,893.7
Interest rate	5,816.6	6,100.0	7,560.2	8,336.7	525,692.3	387,886.6	103,136.2	95,223.1	89,882.8	145,400.1
Currency	2.5	2.7	3.4	4.1	363.3	438.9	106.7	134.7	128.5	125.5
Equity index	526.1	428.4	523.7	519.4	39,129.2	26,519.3	8,182.9	6,400.9	6,651.8	7,368.1
Asia and Pacific	3,168.6	2,339.1	2,100.9	2,432.3	107,490.1	98,660.1	26,637.1	25,909.2	25,754.5	30,935.4
Interest rate	2,982.8	2,181.9	1,822.4	2,198.5	71,504.2	64,084.9	17,707.8	16,347.7	15,501.0	18,117.6
Currency	1.5	8.1	11.3	10.1	2,001.9	1,560.2	388.9	397.5	411.6	456.0
Equity index	184.2	149.1	267.2	223.6	33,984.0	33,015.0	8,540.5	9,164.0	9,841.9	12,361.8
Other Markets	934.7	946.1	1,038.5	1,033.8	28,507.6	26,448.4	7,333.5	6,105.7	6,165.9	6,804.3
Interest rate	862.9	868.9	961.7	955.4	21,723.5	20,602.8	5,649.8	4,734.1	4,905.3	5,318.7
Currency	51.4	59.9	58.4	57.4	5,073.7	4,430.5	1,263.6	1,000.7	911.7	1,141.4
Equity index	20.4	17.4	18.4	21.0	1,710.5	1,415.1	420.2	370.9	348.9	344.1
Options										
All markets	45,634.6	35,418.0	30,313.1	35,796.2	635,363.4	408,682.5	116,837.7	94,087.6	77,343.4	118,265.5
Interest rate	40,930.0	31,579.6	25,909.7	31,019.9	466,281.3	308,596.7	83,252.7	72,239.7	54,308.5	93,493.0
Currency	144.2	87.2	105.3	113.9	2,525.1	2,382.7	636.9	565.8	606.0	973.2
Equity index	4,560.4	3,750.8	4,298.1	4,662.4	166,556.9	97,703.2	32,948.1	21,282.1	22,428.9	23,799.3
North America	24,353.4	19,804.2	12,641.2	13,557.1	262,514.8	194,065.2	52,263.0	43,965.2	35,776.2	39,255.9
Interest rate	22,070.2	17,779.1	10,280.3	11,067.0	218,368.1	154,328.8	40,989.5	33,861.0	24,028.9	27,381.8
Currency	72.3	49.1	68.6	86.3	1,510.4	1,513.5	418.7	363.6	377.0	545.1
Equity index	2,210.9	1,976.0	2,292.3	2,403.8	42,636.4	38,222.9	10,854.8	9,740.6	11,370.3	11,329.0
Europe	19,247.2	14,280.8	15,636.3	20,640.3	258,265.4	157,061.9	42,655.5	39,464.0	31,331.8	68,068.0
Interest rate	17,320.8	12,879.8	14,225.4	19,069.2	237,541.6	144,243.9	39,005.9	36,127.9	28,175.1	64,055.4
Currency	0.3	0.3	0.6	0.5	3.4	4.3	1.1	1.1	1.5	2.1
Equity index	1,926.1	1,400.6	1,410.2	1,570.6	20,720.4	12,813.6	3,648.5	3,335.0	3,155.2	4,010.5
Asia and Pacific	383.3	349.6	563.0	657.6	102,912.5	48,132.3	18,827.5	8,551.1	8,142.4	8,833.2
Interest rate	3.5	15.6	1.8	4.3	2,719.3	3,182.8	975.1	656.5	692.1	705.5
Currency	0.3	0.8	1.4	1.9	257.0	237.6	50.6	59.9	76.3	97.3
Equity index	379.4	333.3	559.8	651.5	99,936.1	44,711.9	17,801.9	7,834.6	7,374.0	8,030.4
Other Markets	1,650.7	983.1	1,472.6	941.3	11,670.6	9,423.2	3,091.7	2,107.2	2,093.0	2,108.4
Interest rate	1,535.5	905.1	1,402.2	879.5	7,652.3	6,841.2	2,282.3	1,594.2	1,412.4	1,350.3
Currency	71.3	37.0	34.6	25.3	754.3	627.3	166.5	141.2	151.2	328.7
Equity index	43.9	40.9	35.8	36.5	3,264.0	1,954.7	642.9	371.9	529.4	429.3