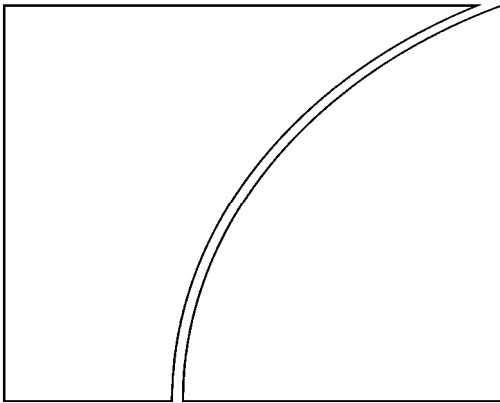




BANK FOR INTERNATIONAL SETTLEMENTS

Triennial Central Bank Survey



Foreign exchange and
derivatives market activity in
2010

AMOUNTS OUTSTANDING

2010 Triennial Central Bank Survey

Statistical annex tables

Amounts outstanding at end-June 2010

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Conventions used in the tables

0 = Value close to zero.

... = Reported to be nil, not reported, not shown for reasons of confidentiality, not meaningful or not applicable.

Owing to rounding and incomplete reporting of various breakdowns, the component items do not always sum to the total for the category in question.

“Gross” refers to data for which no adjustment has been made for estimated double-counting; “net-gross” refers to data for which adjustments have been made for estimated local double-counting; and “net-net”, or “net”, refers to data adjusted for both local and cross-border double-counting.

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Forwards and swaps	31,935,312	27,775,021	10,825,619	4,633,047	4,031,984
with reporting dealers	10,178,437	9,356,050	3,210,128	1,743,162	1,034,301
with other financial institutions	15,065,960	13,290,515	4,781,705	2,056,037	2,034,589
with non-financial customers	6,690,924	5,128,459	2,833,794	833,848	963,101
Currency swaps	18,890,095	16,430,215	7,702,510	3,777,790	2,394,091
with reporting dealers	7,906,256	7,203,382	3,047,769	1,977,914	936,423
with other financial institutions	8,611,532	7,446,154	3,488,850	1,316,708	1,088,792
with non-financial customers	2,372,315	1,780,678	1,165,888	483,164	368,872
Options sold	8,550,830	6,806,025	2,922,539	3,119,424	672,804
with reporting dealers	4,826,250	3,793,261	1,596,739	1,971,487	355,646
with other financial institutions	2,393,299	1,924,467	768,618	772,861	201,611
with non-financial customers	1,331,289	1,088,298	557,187	375,076	115,548
Options bought	8,414,627	6,638,007	2,842,115	3,101,505	637,739
with reporting dealers	4,891,384	3,863,850	1,569,578	2,069,455	351,056
with other financial institutions	2,235,461	1,738,668	751,132	723,255	176,147
with non-financial customers	1,287,794	1,035,490	521,405	308,797	110,536
Total options	12,106,637	9,615,479	4,181,502	4,200,459	957,194
Other products	1,075	...	...	...	...
Total contracts	62,933,119	53,820,715	22,709,631	12,611,296	7,383,269

For footnotes, see facing page.

Table 1

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
2,395,214	1,656,914	1,001,917	11,550,908	Forwards and swaps
1,030,850	428,130	277,289	3,276,964	with reporting dealers
910,873	823,115	359,718	5,875,368	with other financial institutions
453,499	405,673	364,914	2,398,560	with non-financial customers
963,087	825,386	451,473	5,235,638	Currency swaps
408,002	261,087	180,591	1,797,344	with reporting dealers
427,957	364,771	208,136	2,881,696	with other financial institutions
127,129	199,525	62,745	556,629	with non-financial customers
690,313	220,762	94,878	2,574,915	Options sold
407,859	117,821	53,564	1,356,123	with reporting dealers
199,774	65,916	22,968	830,383	with other financial institutions
82,683	37,022	18,344	388,420	with non-financial customers
675,505	214,614	94,338	2,625,431	Options bought
401,545	116,427	52,377	1,358,480	with reporting dealers
181,050	62,652	21,877	816,141	with other financial institutions
92,911	35,534	20,084	450,831	with non-financial customers
961,114	318,253	136,249	3,843,024	Total options
...	...	...	2,150	Other products
4,319,415	2,800,553	1,589,639	20,631,720	Total contracts

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. Due to incomplete counterparty breakdown, components do not always add to totals. ² Calculated as the difference between the total and the sum of the listed components.

Table 1 (cont)

**Notional amounts outstanding of OTC single currency interest rate derivatives
by instrument, counterparty and currency at end-June 2010¹**

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Forward rate agreements	60,028,187	29,736,659	17,334,587	169,613	5,239,272
with reporting dealers	32,078,754	18,366,760	8,012,814	94,716	2,314,062
with other financial institutions	25,459,541	9,786,408	8,797,296	63,346	2,863,755
with non-financial customers	2,489,894	1,583,493	524,476	11,552	61,454
Swaps	367,540,841	123,551,791	128,933,539	51,182,501	29,479,751
with reporting dealers	87,819,275	26,995,306	26,542,971	17,631,169	5,374,350
with other financial institutions	245,139,206	85,822,383	91,290,797	27,535,547	20,579,124
with non-financial customers	34,582,366	10,734,102	11,099,772	6,015,782	3,526,276
Options sold	37,381,952	11,780,745	17,836,599	3,545,322	2,307,018
with reporting dealers	22,742,085	6,542,004	11,418,695	2,634,681	1,178,070
with other financial institutions	12,196,632	4,151,034	5,598,311	800,226	981,695
with non-financial customers	2,443,233	1,087,706	819,595	110,414	147,254
Options bought	36,136,239	11,403,431	17,353,181	3,262,533	2,417,618
with reporting dealers	23,256,734	7,009,750	11,605,444	2,521,496	1,224,001
with other financial institutions	11,220,791	3,807,546	5,140,025	681,464	1,060,397
with non-financial customers	1,658,715	586,134	607,709	59,575	133,221
Total options	50,518,782	16,408,305	23,677,714	4,229,767	3,523,602
Other products	4,997	...	...	...	...
Total contracts	478,092,807	169,696,755	169,945,840	55,581,881	38,242,625

For footnotes, see facing page.

Table 2

**Notional amounts outstanding of OTC single currency interest rate derivatives
by instrument, counterparty and currency at end-June 2010¹**

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
706,831	333,106	2,302,064	4,206,055	Forward rate agreements
500,805	180,057	1,013,391	1,596,149	with reporting dealers
180,892	142,853	1,248,050	2,376,941	with other financial institutions
25,133	10,197	40,622	232,967	with non-financial customers
4,044,556	5,239,625	2,412,434	22,696,644	Swaps
956,762	1,974,077	784,336	7,560,304	with reporting dealers
2,417,474	2,651,776	1,407,212	13,434,893	with other financial institutions
670,321	613,771	220,886	1,701,456	with non-financial customers
96,140	69,021	177,572	1,569,535	Options sold
45,932	23,299	37,208	862,196	with reporting dealers
40,717	34,295	77,481	512,873	with other financial institutions
9,492	11,427	62,881	194,464	with non-financial customers
99,177	59,449	189,667	1,351,183	Options bought
55,343	19,076	48,757	772,867	with reporting dealers
32,829	35,627	60,579	402,324	with other financial institutions
11,004	4,746	80,332	175,994	with non-financial customers
144,679	107,284	324,257	2,103,174	Total options
...	...	...	4,997	Other products
4,896,066	5,680,015	5,038,755	29,010,870	Total contracts

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. ² Calculated as the difference between the total and the sum of the listed components.

Table 2 (cont)

Notional amounts outstanding of OTC equity-linked derivatives by instrument and counterparty at end-June 2010¹

In millions of US dollars

	Total	US	Japanese	European	Latin American	Other Asian	Other
Forwards and swaps	1,854,246	586,324	85,503	912,728	17,595	33,358	218,743
with reporting dealers	497,390	105,321	29,340	338,004	1,724	5,400	17,605
with other financial institutions	978,915	350,118	41,069	402,940	13,533	18,367	152,886
with non-financial customers	377,940	130,883	15,092	171,783	2,338	9,592	48,252
Options sold	3,902,067	897,987	437,954	2,140,474	78,090	211,694	135,871
with reporting dealers	1,778,688	299,279	333,481	1,003,677	1,017	98,744	42,492
with other financial institutions	1,792,307	516,223	94,759	996,664	8,204	93,507	82,950
with non-financial customers	331,071	82,487	9,714	140,134	68,869	19,444	10,428
Options bought	2,930,439	642,259	423,974	1,570,496	13,742	167,047	112,919
with reporting dealers	1,859,762	301,734	330,025	1,067,215	513	112,432	47,845
with other financial institutions	809,465	268,108	86,172	343,234	7,910	45,939	58,101
with non-financial customers	261,211	72,416	7,778	160,047	5,319	8,678	6,972
Total options	5,013,284	1,239,742	530,173	2,675,529	91,067	273,154	203,621
Total contracts	6,867,520	1,826,061	615,678	3,588,252	108,663	306,515	422,366

¹ While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting.

Table 3

Notional amounts outstanding of OTC commodity, credit and other derivatives by instrument and counterparty at end-June 2010¹

In millions of US dollars

	Total commodities	Gold	Precious metals (other than gold)	Other commodities	Credit derivatives	Other derivatives
Forwards and swaps	2,070,917	384,810	84,833	1,601,274	31,330,922	38,272
with reporting dealers	...	...	...	...	16,298,507	1,701
with other financial institutions	...	...	...	...	13,827,580	29,341
with non-financial customers	...	...	...	...	1,204,745	7,230
Options sold	712,201	171,939	28,313	511,949	64,853	4,903
with reporting dealers	...	...	...	...	24,188	462
with other financial institutions	...	...	...	...	37,538	4,309
with non-financial customers	...	...	...	...	3,127	132
Options bought	758,719	175,853	32,940	549,926	35,322	29,603
with reporting dealers	...	...	...	...	5,291	1,319
with other financial institutions	...	...	...	...	27,069	27,956
with non-financial customers	...	...	...	...	2,961	328
TOTAL options	1,202,442	284,308	50,073	868,061	85,436	33,617
TOTAL contracts	3,273,386	669,144	134,906	2,469,336	31,416,358	71,888

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. Due to incomplete counterparty breakdown, components do not always add to totals.

Table 4

Notional amounts outstanding of OTC credit default swaps by instrument, counterparty and sector at end-June 2010¹

In millions of US dollars

	Total ²	Sovereigns			Non-sovereigns		
		Total	Bought	Sold	Total	Bought	Sold
Single-name instruments	18,806,168	2,451,934	1,926,706	1,871,401	16,354,234	12,903,193	12,765,784
with reporting dealers	10,660,922	1,346,178	1,350,967	1,341,377	9,314,750	9,312,537	9,316,948
with central counterparties	1,156,371	512	271	241	1,155,860	585,279	570,581
with other financial institutions	6,585,458	1,047,902	544,224	503,678	5,537,562	2,811,988	2,725,574
with non-financial customers	403,416	57,348	31,244	26,104	346,069	193,387	152,681
Multi-name instruments	12,250,529	...	...	...	...	...	...
with reporting dealers	5,405,573	...	...	...	...	...	...
with central counterparties	2,022,187	...	...	...	...	...	...
with other financial institutions	4,352,534	...	...	...	...	...	...
with non-financial customers	470,238	...	...	...	...	...	...
Multi-name instruments - index products	7,614,079	...	...	...	...	...	...
Total contracts	31,056,697	2,451,934	1,926,706	1,871,401	16,354,234	12,903,193	12,765,784

¹ Data on total CDSs are shown on a net basis. Data on CDSs bought and sold are shown on a gross basis, ie not adjusted for inter-dealer double-counting. ² Due to incomplete reporting, sectors do not always add to totals.

Table 5

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Positive market values					
Forwards and FX swaps	886,143	694,135	366,976	143,339	190,548
with reporting dealers	452,804	353,002	183,794	80,149	116,375
with other financial institutions	280,336	227,528	108,798	40,581	50,984
with non-financial customers	152,997	113,603	74,384	22,605	23,191
Currency swaps	864,547	672,975	362,928	207,179	154,955
with reporting dealers	461,548	382,283	180,273	132,325	75,042
with other financial institutions	286,332	213,048	123,840	47,651	55,785
with non-financial customers	116,668	77,643	58,815	27,201	24,118
Options bought	335,921	254,349	115,237	161,383	16,869
with reporting dealers	202,042	157,875	64,934	108,936	9,309
with other financial institutions	75,061	50,694	28,978	23,598	4,256
with non-financial customers	58,813	45,785	21,328	28,845	3,304
Total contracts	2,086,628	1,621,464	845,153	511,901	362,369
Negative market values					
Forwards and FX swaps	970,183	655,740	357,968	133,335	441,190
with reporting dealers	526,723	338,266	172,655	75,813	294,661
with other financial institutions	305,737	221,968	122,299	40,430	109,636
with non-financial customers	137,723	95,510	63,022	17,097	36,894
Currency swaps	990,369	760,281	405,837	221,474	245,356
with reporting dealers	482,579	382,879	178,075	115,866	134,815
with other financial institutions	357,979	273,916	151,627	74,242	75,519
with non-financial customers	149,810	103,487	76,133	31,360	35,017
Options sold	324,478	241,261	118,773	140,713	23,164
with reporting dealers	204,158	156,468	68,435	109,170	11,573
with other financial institutions	79,165	53,085	30,762	21,754	7,073
with non-financial customers	41,155	31,710	19,576	9,790	4,516
Total contracts	2,285,052	1,657,299	882,592	495,525	709,717

For footnotes, see facing page.

Table 6

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
Positive market values				
73,787	38,268	19,931	245,302	Forwards and FX swaps
42,035	16,569	8,997	104,687	with reporting dealers
22,020	13,718	5,334	91,709	with other financial institutions
9,731	7,979	5,597	48,904	with non-financial customers
45,805	35,784	10,518	238,950	Currency swaps
23,469	13,216	6,234	110,254	with reporting dealers
16,603	12,783	2,947	100,007	with other financial institutions
5,733	9,780	1,332	28,714	with non-financial customers
26,589	5,333	1,949	90,133	Options bought
16,327	2,908	929	42,866	with reporting dealers
7,286	1,617	511	33,182	with other financial institutions
2,976	812	510	14,066	with non-financial customers
146,183	79,387	32,400	574,399	Total contracts
Negative market values				
65,177	39,186	19,731	228,039	Forwards and FX swaps
37,246	16,808	10,100	107,897	with reporting dealers
16,405	14,252	4,938	81,546	with other financial institutions
11,525	8,124	4,693	38,581	with non-financial customers
56,142	35,960	13,027	242,661	Currency swaps
22,670	11,827	7,148	111,878	with reporting dealers
21,070	13,137	3,683	102,764	with other financial institutions
12,401	10,994	2,192	28,036	with non-financial customers
26,033	6,008	2,224	90,780	Options sold
15,953	2,966	899	42,852	with reporting dealers
7,357	2,055	866	35,378	with other financial institutions
2,718	983	455	12,562	with non-financial customers
147,353	81,155	34,986	561,477	Total contracts

¹ Counterparty breakdown partially estimated. ² Calculated as the difference between the total and the sum of the listed components.

Table 6 (cont)

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Positive market values					
Forward rate agreements	151,725	66,034	41,290	1,210	8,617
with reporting dealers	99,517	46,272	26,042	759	5,106
with other financial institutions	46,284	16,828	14,029	316	3,124
with non-financial customers	5,920	2,936	1,218	134	387
Swaps	10,518,916	4,446,588	4,106,894	629,140	686,831
with reporting dealers	4,078,315	1,638,482	1,577,650	325,922	221,020
with other financial institutions	5,894,895	2,590,220	2,328,114	273,121	407,793
with non-financial customers	545,704	217,887	201,129	30,095	58,020
Options bought	1,211,019	457,777	597,360	60,543	64,303
with reporting dealers	795,679	291,468	402,325	47,350	37,224
with other financial institutions	359,014	146,206	170,392	11,456	21,623
with non-financial customers	56,325	20,098	24,636	1,735	5,458
Total contracts	11,881,659	4,970,397	4,745,543	690,893	759,750
Negative market values					
Forward rate agreements	149,012	63,061	39,508	1,254	8,925
with reporting dealers	96,365	43,580	24,699	983	5,331
with other financial institutions	46,554	17,086	13,473	219	2,804
with non-financial customers	6,088	2,393	1,334	50	791
Swaps	10,164,226	4,296,234	3,977,183	608,625	640,570
with reporting dealers	3,980,178	1,626,135	1,495,753	325,844	212,700
with other financial institutions	5,799,159	2,537,049	2,316,170	264,428	389,317
with non-financial customers	384,890	133,053	165,266	18,349	38,551
Options sold	1,155,169	463,910	540,971	59,019	57,969
with reporting dealers	765,898	304,887	363,599	45,811	32,423
with other financial institutions	340,079	135,079	161,942	11,904	21,094
with non-financial customers	49,192	23,943	15,433	1,304	4,454
Total contracts	11,468,565	4,823,217	4,557,798	668,899	707,467

For footnotes, see facing page.

Table 7

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2010¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
Positive market values				
1,612	2,111	5,030	25,821	Forward rate agreements
1,233	1,250	2,800	16,055	with reporting dealers
329	800	2,141	8,717	with other financial institutions
48	57	88	1,052	with non-financial customers
88,971	85,589	66,062	408,841	Swaps
33,005	40,446	30,618	211,172	with reporting dealers
52,708	34,744	31,128	177,067	with other financial institutions
3,259	10,396	4,317	20,601	with non-financial customers
3,676	1,180	1,588	24,592	Options bought
2,115	443	580	14,174	with reporting dealers
1,211	599	487	7,040	with other financial institutions
347	136	520	3,395	with non-financial customers
94,259	88,880	72,682	459,255	Total contracts
Negative market values				
1,627	1,971	5,114	27,552	Forward rate agreements
1,249	1,192	2,918	16,413	with reporting dealers
334	733	2,053	9,852	with other financial institutions
46	41	142	1,291	with non-financial customers
83,782	84,331	64,169	409,332	Swaps
31,642	40,584	31,477	216,043	with reporting dealers
50,079	35,806	30,251	176,059	with other financial institutions
2,064	7,934	2,439	17,234	with non-financial customers
3,831	1,244	1,683	26,542	Options sold
2,068	475	751	15,884	with reporting dealers
1,347	547	559	7,607	with other financial institutions
415	223	372	3,048	with non-financial customers
89,245	87,546	70,965	463,428	Total contracts

¹ Counterparty breakdown partially estimated. ² Calculated as the difference between the total and the sum of the listed components.

Table 7 (cont)

Gross market values of OTC equity-linked derivatives by instrument and counterparty at end-June 2010¹

In millions of US dollars

	Total	US	Japanese	European ²	Latin American	Other Asian	Other
Positive market values							
Forwards and swaps	117,842	36,615	5,981	61,635	1,871	1,714	10,025
with reporting dealers	40,424	8,838	2,647	26,498	172	383	1,887
with other financial institutions	52,130	17,451	2,131	24,238	1,374	848	6,083
with non-financial customers	25,288	10,323	1,202	10,896	325	486	2,057
Options bought	396,311	89,565	66,817	203,290	2,647	16,116	17,875
with reporting dealers	250,544	44,185	48,745	139,441	146	10,973	7,051
with other financial institutions	106,332	29,384	15,474	46,344	994	4,070	10,059
with non-financial customers	39,436	15,993	2,598	17,498	1,507	1,073	764
Total contracts	514,148	126,180	72,798	264,920	4,518	17,833	27,901
Negative market values							
Forwards and swaps	131,578	38,126	7,785	67,992	1,528	5,384	10,764
with reporting dealers	47,859	10,139	4,789	28,824	326	1,822	1,956
with other financial institutions	62,577	20,481	2,560	29,151	845	2,663	6,874
with non-financial customers	21,142	7,503	437	10,012	358	898	1,932
Options sold	481,943	99,357	63,483	223,598	3,083	73,931	18,489
with reporting dealers	283,549	49,333	46,358	146,534	251	33,926	7,144
with other financial institutions	137,189	34,091	15,054	53,597	1,029	23,272	10,147
with non-financial customers	61,204	15,933	2,072	23,467	1,802	16,733	1,199
Total contracts	613,522	137,482	71,269	291,587	4,611	79,315	29,252

¹ Country breakdown partially estimated. ² Excluding eastern Europe.

Table 8

Gross market values of OTC commodity, credit and other derivatives at end-June 2010¹

All currencies

In millions of US dollars

	Total commodities	Gold	Precious metals (other than gold)	Other commodities	Credit derivatives	Credit default swaps	Other derivatives
Positive market values							
Total contracts	283,559	31,724	18,709	233,126	1,361,406	1,352,392	6,033
Negative market values							
Total contracts	278,532	28,204	15,964	234,364	1,237,554	1,226,704	7,590

¹ No breakdown by instrument and counterparty.

Table 9

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and remaining maturity at end-June 2010¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	50,825,407	32,282,575	10,159,882	8,389,912
with reporting dealers	18,084,693	11,714,146	4,059,140	2,305,296
with other financial institutions	23,677,492	14,051,372	4,514,795	5,102,349
with non-financial customers	9,063,239	6,494,612	1,585,296	982,247
Options sold	8,550,830	6,128,066	1,939,216	483,556
with reporting dealers	4,826,250	3,275,891	1,216,854	330,780
with other financial institutions	2,393,299	1,867,443	440,450	85,375
with non-financial customers	1,331,289	982,604	280,373	67,402
Options bought	8,414,627	5,560,605	1,872,315	981,749
with reporting dealers	4,891,384	3,325,528	1,237,236	327,636
with other financial institutions	2,235,461	1,271,612	391,104	572,726
with non-financial customers	1,287,794	961,463	242,414	81,390
Total options	12,106,637	8,387,966	2,584,491	1,136,101
Other products	1,075	...	...	...
Total contracts	62,933,119	40,670,527	12,744,367	9,526,012
Total contracts including gold	63,602,498	...	...	...

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. Due to incomplete maturity breakdown, components do not always add to totals.

Table 10

Notional amounts outstanding of OTC single currency interest rate derivatives by instrument, counterparty and remaining maturity at end-June 2010¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	427,569,028	193,443,753	123,341,542	110,788,617
with reporting dealers	119,898,029	60,554,615	36,654,543	22,684,823
with other financial institutions	270,598,747	109,505,416	79,174,342	81,918,018
with non-financial customers	37,072,260	23,381,208	7,508,519	6,181,811
Options sold	37,381,952	9,641,656	12,741,617	14,998,670
with reporting dealers	22,742,085	5,975,400	8,245,479	8,521,208
with other financial institutions	12,196,632	2,824,971	3,380,777	5,990,882
with non-financial customers	2,443,233	841,285	1,115,358	486,581
Options bought	36,136,239	9,577,698	11,766,062	14,792,476
with reporting dealers	23,256,734	6,373,623	8,347,476	8,535,616
with other financial institutions	11,220,791	2,693,742	2,766,457	5,760,593
with non-financial customers	1,658,715	510,334	652,127	496,268
Total options	50,518,782	13,044,849	16,211,211	21,262,746
Other products	4,997	...	...	...
Total contracts	478,092,807	206,488,594	139,552,744	132,051,352

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. Due to incomplete maturity breakdown, components do not always add to totals.

Table 11

Notional amounts outstanding of OTC equity-linked derivatives by instrument, counterparty and remaining maturity at end-June 2010¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	1,854,246	1,022,633	627,930	203,968
with reporting dealers	497,390	279,693	162,958	54,462
with other financial institutions	978,915	510,105	357,847	110,539
with non-financial customers	377,940	232,646	106,324	38,969
Options sold	3,902,067	1,775,213	1,740,387	385,923
with reporting dealers	1,778,688	786,462	780,943	211,112
with other financial institutions	1,792,307	823,422	835,306	132,893
with non-financial customers	331,071	165,084	124,093	41,880
Options bought	2,930,439	1,424,139	1,173,800	332,502
with reporting dealers	1,859,762	859,350	792,845	207,475
with other financial institutions	809,465	406,586	304,204	98,672
with non-financial customers	261,211	157,952	76,704	26,317
Total options	5,013,284	2,376,449	2,127,295	509,136
Total contracts	6,867,520	3,399,078	2,755,220	713,103

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. Due to incomplete maturity breakdown, components do not always add to totals.

Table 12

Amounts outstanding of OTC foreign exchange derivatives by instrument and counterparty at end-June 2004, 2007 and 2010¹

In millions of US dollars

	End-June 2004		End-June 2007		End-June 2010	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and FX swaps	16,763,791	459,617	29,775,280	667,587	31,935,312	1,329,600
with reporting dealers	6,834,095	191,668	10,580,077	254,317	10,178,437	452,804
with other financial institutions	6,579,777	165,060	12,280,687	256,313	15,065,960	586,073
with non-financial customers	3,349,930	102,886	6,914,531	156,973	6,690,924	290,720
Total including gold	16,920,203	...	30,486,523	...	32,320,119	...
Currency swaps	7,938,591	505,366	14,130,193	666,201	18,890,095	1,372,342
with reporting dealers	3,078,941	114,194	5,714,743	174,697	7,906,256	461,548
with other financial institutions	3,112,463	229,223	5,941,666	308,004	8,611,532	644,311
with non-financial customers	1,747,196	161,950	2,473,788	183,495	2,372,315	266,478
Options sold	4,702,476	98,624	9,915,023	204,856	8,550,830	324,478
with reporting dealers	2,565,614	50,516	6,127,064	124,230	4,826,250	204,158
with other financial institutions	1,144,366	22,220	2,282,195	49,391	2,393,299	79,165
with non-financial customers	992,505	25,895	1,505,781	31,238	1,331,289	41,155
Total including gold	4,792,802	...	10,066,243	...	8,722,762	...
Options bought	4,646,972	100,603	9,880,162	197,877	8,414,627	335,921
with reporting dealers	2,554,475	52,989	6,139,281	125,530	4,891,384	202,042
with other financial institutions	1,102,087	20,518	2,215,249	44,442	2,235,461	75,061
with non-financial customers	990,416	27,100	1,525,647	27,909	1,287,794	58,813
Total including gold	4,804,363	...	10,144,470	...	8,590,477	...
Total options	6,789,401	148,712	13,662,018	278,507	12,106,637	456,243
Other products²	7,229	...	36,724	...	1,075	...
Total contracts	31,499,012	1,113,695	57,604,215	1,612,295	62,933,119	3,158,185
Total contracts including gold	31,857,932	1,159,925	58,655,148	1,668,515	63,602,238	3,212,349

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. The counterparty breakdown for gross market values was estimated. ² Adjustment for inter-dealer double-counting based on the results of the 1995 Triennial Central Bank Survey.

Table 13

Amounts outstanding of OTC single currency interest rate derivatives by instrument and counterparty at end-June 2004, 2007 and 2010¹

In millions of US dollars

	End-June 2004		End-June 2007		End-June 2010	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards rate agreements	14,399,076	210,844	25,607,251	145,231	60,028,187	204,371
with reporting dealers	7,494,387	78,719	11,982,197	57,780	32,078,754	99,517
with other financial institutions	5,860,151	111,919	12,398,005	75,523	25,459,541	92,838
with non-financial customers	1,044,537	20,205	1,227,047	11,926	2,489,894	12,008
Swaps	137,277,091	3,977,945	299,155,244	5,818,200	367,540,841	16,702,968
with reporting dealers	61,460,458	1,648,293	122,518,516	2,195,092	87,819,275	4,078,315
with other financial institutions	58,131,535	1,726,363	135,213,529	2,860,410	245,139,206	11,694,054
with non-financial customers	17,685,097	603,282	41,423,198	762,702	34,582,366	930,594
Options sold	18,398,995	290,177	44,224,854	574,398	37,381,952	1,155,169
with reporting dealers	10,075,192	176,449	28,718,591	392,305	22,742,085	765,898
with other financial institutions	5,405,614	69,757	10,845,616	143,362	12,196,632	340,079
with non-financial customers	2,918,192	43,972	4,660,645	38,733	2,443,233	49,192
Options bought	17,402,011	279,482	40,681,825	584,652	36,136,239	1,211,019
with reporting dealers	10,013,370	175,517	27,920,959	407,647	23,256,734	795,679
with other financial institutions	5,176,059	64,067	9,328,655	142,118	11,220,791	359,014
with non-financial customers	2,212,581	39,895	3,432,213	34,889	1,658,715	56,325
Total options	25,756,729	393,211	56,586,914	766,749	50,518,782	1,600,282
Other products	24,692	...	7,210	...	4,997	...
Total contracts	177,457,588	4,582,000	381,356,619	6,730,180	478,092,807	18,507,621

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. The counterparty breakdown for gross market values was estimated.

Table 14

Amounts outstanding of OTC equity-linked derivatives by instrument and counterparty at end-June 2004, 2007 and 2010¹

In millions of US dollars

	End-June 2004		End-June 2007		End-June 2010	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and swaps	773,048	71,856	2,668,279	261,958	1,854,246	201,559
with reporting dealers	199,704	15,057	717,953	52,470	497,390	40,424
with other financial institutions	440,476	36,451	1,396,464	155,357	978,915	114,707
with non-financial customers	132,877	20,352	553,864	54,133	377,940	46,430
Options sold	2,741,011	172,027	5,187,019	705,774	3,902,067	481,943
with reporting dealers	1,012,603	82,305	2,717,647	371,746	1,778,688	283,549
with other financial institutions	1,343,477	65,447	1,976,460	254,142	1,792,307	137,189
with non-financial customers	384,931	24,273	492,915	79,883	331,071	61,204
Options bought	2,630,474	159,239	4,331,454	616,430	2,930,439	396,311
with reporting dealers	1,089,084	77,861	2,619,469	383,674	1,859,762	250,544
with other financial institutions	1,017,057	53,321	1,427,335	177,742	809,465	106,332
with non-financial customers	524,333	28,053	284,637	55,015	261,211	39,436
Total options	4,320,652	248,961	6,849,922	950,458	5,013,284	594,705
Total contracts	5,093,700	320,817	9,518,201	1,212,416	6,867,530	796,264

¹ Data adjusted for inter-dealer double-counting. While data on total options are shown on a net basis, separate data on options sold and options bought are recorded on a gross basis, ie not adjusted for inter-dealer double-counting. The counterparty breakdown for gross market values was estimated.

Table 15