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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.

A - Turnover in April 2007

1. Foreign exchange markets

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Total	Specified currency against all other currencies ²					
		US dollar	Euro	Yen	Pound sterling	Swiss franc	Canadian dollar
Spot	1,004,889	790,233	420,038	205,958	149,912	88,034	38,497
with reporting dealers	426,480	340,212	171,394	94,784	62,208	41,171	14,424
local	126,427	103,219	42,296	19,570	17,135	11,242	3,529
cross-border	300,053	236,993	129,099	75,214	45,073	29,929	10,895
with other financial institutions	394,206	317,222	170,951	75,354	60,909	31,811	17,392
local	156,039	127,297	65,597	27,870	21,926	12,570	7,694
cross-border	238,167	189,925	105,354	47,484	38,983	19,242	9,698
with non-financial customers	184,203	132,799	77,693	35,820	26,795	15,052	6,682
local	107,430	71,985	41,435	22,680	13,213	8,941	3,854
cross-border	76,773	60,814	36,258	13,140	13,582	6,110	2,827
Outright forwards⁴	361,730	289,435	137,391	61,453	46,274	21,186	15,280
with reporting dealers	95,875	80,404	33,669	11,973	10,140	5,285	2,813
local	24,004	19,123	7,466	2,873	3,148	1,649	887
cross-border	71,870	61,281	26,202	9,100	6,992	3,635	1,926
with other financial institutions	158,862	129,173	61,432	28,388	22,334	8,762	7,470
local	70,438	55,873	27,995	12,966	10,333	3,471	4,056
cross-border	88,425	73,301	33,437	15,422	12,001	5,291	3,413
with non-financial customers	106,993	79,858	42,290	21,092	13,800	7,140	4,998
local	62,235	42,358	22,985	15,023	7,207	3,747	2,747
cross-border	44,758	37,500	19,305	6,070	6,593	3,392	2,250
Up to 7 days	154,162	122,379	62,307	27,583	20,120	9,382	6,197
Over 7 days and up to 1 year	200,408	161,096	73,169	32,951	25,533	11,538	8,836
Over 1 year	7,130	5,934	1,912	907	622	267	236
Foreign exchange swaps⁴	1,714,370	1,580,594	581,977	242,319	264,593	99,569	76,009
with reporting dealers	796,172	752,494	239,945	114,868	110,852	46,880	32,549
local	261,002	248,234	66,869	29,136	49,836	12,276	9,844
cross-border	535,170	504,260	173,076	85,731	61,016	34,604	22,705
with other financial institutions	682,212	633,051	245,347	90,513	112,807	37,095	33,627
local	265,913	244,585	97,181	25,765	53,903	13,414	13,400
cross-border	416,298	388,465	148,166	64,748	58,904	23,681	20,227
with non-financial customers	235,986	195,050	96,685	36,939	40,934	15,594	9,833
local	111,719	85,180	39,812	22,819	21,643	6,707	5,657
cross-border	124,267	109,870	56,873	14,120	19,292	8,887	4,176
Up to 7 days	1,328,912	1,243,794	431,613	185,837	202,598	79,017	59,020
Over 7 days and up to 1 year	364,641	318,316	145,160	54,156	58,905	20,039	15,930
Over 1 year	17,663	15,303	5,164	2,326	3,091	514	1,060
Total	3,080,988	2,660,262	1,139,405	509,731	460,779	208,790	129,787

For footnotes, see facing page.

Table E.1

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								
Australian dollar	Swedish krona	Brazilian real	Renminbi	Czech koruna	Danish krone ³	Hong Kong dollar ³	Forint	
52,765	17,790	5,579	8,981	1,630	6,016	15,715	2,959	Spot
22,816	6,103	1,707	4,854	720	2,910	6,862	816	with reporting dealers
5,982	1,620	1,364	4,456	160	621	2,556	127	local
16,834	4,484	343	398	560	2,289	4,305	689	cross-border
19,589	7,694	3,084	4,001	289	1,144	5,520	1,332	with other financial institutions
7,113	1,715	2,713	3,812	82	349	1,346	925	local
12,476	5,979	371	189	207	795	4,174	408	cross-border
10,360	3,992	788	127	620	1,961	3,333	811	with non-financial customers
6,833	2,620	677	99	534	1,651	2,706	419	local
3,526	1,372	110	27	87	310	627	391	cross-border
20,463	8,543	5,259	4,572	1,432	2,841	6,022	1,357	Outright forwards⁴
5,333	1,721	1,317	2,800	435	616	2,562	504	with reporting dealers
1,483	374	318	507	36	135	1,142	26	local
3,850	1,347	999	2,293	399	481	1,420	478	cross-border
9,873	3,635	3,026	1,362	415	744	1,791	275	with other financial institutions
5,605	1,710	1,350	415	196	570	371	167	local
4,268	1,925	1,676	947	218	174	1,420	108	cross-border
5,257	3,187	916	411	583	1,481	1,669	578	with non-financial customers
3,281	1,946	465	198	489	1,356	1,410	319	local
1,975	1,241	450	212	94	125	259	259	cross-border
9,331	3,747	1,713	522	837	720	3,572	907	Up to 7 days
10,900	4,688	3,462	3,399	571	2,107	2,025	447	Over 7 days and up to 1 year
232	109	84	651	24	14	425	3	Over 1 year
131,998	59,478	274	1,078	3,789	18,772	63,895	4,349	Foreign exchange swaps⁴
65,754	24,438	60	336	2,425	11,651	44,685	2,341	with reporting dealers
23,095	7,641	18	233	407	3,956	14,876	390	local
42,659	16,797	42	103	2,017	7,696	29,809	1,951	cross-border
51,546	20,229	185	740	880	3,729	15,460	1,639	with other financial institutions
19,493	6,603	112	713	189	2,235	4,070	344	local
32,053	13,626	73	27	691	1,494	11,390	1,295	cross-border
14,698	14,811	29	1	485	3,392	3,750	369	with non-financial customers
10,815	7,231	18	1	290	2,473	773	220	local
3,883	7,579	11	...	195	919	2,978	150	cross-border
106,094	43,804	62	473	2,696	14,138	45,203	3,604	Up to 7 days
25,101	14,443	209	568	1,004	4,590	17,369	719	Over 7 days and up to 1 year
803	1,232	3	37	89	44	1,323	27	Over 1 year
205,226	85,811	11,112	14,631	6,851	27,629	85,632	8,665	Total

Note: This table and the subsequent Tables E.2 to E.8 and E.16 include data on outright forwards and foreign exchange swaps which are also included in Tables E.20 to E.27.

¹ Adjusted for local and cross-border inter-dealer double-counting. ² Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Currency affected by overnetting, see methodological section.

⁴ Due to incomplete reporting, the maturity breakdown does not always add to totals.

Table E.1 (cont)

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies ²							
	Indian rupee	Rupiah	Won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Zloty
Spot	9,012	1,434	15,222	14,666	12,326	17,269	1,275	4,851
with reporting dealers	5,690	610	9,234	4,750	5,009	7,186	908	1,941
local	4,843	248	7,350	1,865	965	1,858	705	514
cross-border	847	361	1,884	2,885	4,044	5,328	203	1,427
with other financial institutions	1,656	482	3,059	7,600	4,273	6,832	244	1,527
local	579	343	834	3,343	1,463	2,067	180	445
cross-border	1,077	138	2,225	4,257	2,810	4,765	65	1,082
with non-financial customers	1,667	343	2,930	2,316	3,044	3,250	123	1,383
local	1,537	317	2,577	1,942	1,939	2,205	108	947
cross-border	129	26	353	374	1,105	1,046	15	436
Outright forwards⁶	5,815	1,292	10,013	4,594	6,498	6,639	1,123	2,644
with reporting dealers	2,450	655	6,046	731	1,461	1,825	744	592
local	814	175	862	216	200	430	128	122
cross-border	1,636	480	5,184	515	1,261	1,395	616	469
with other financial institutions	1,365	339	2,810	2,460	2,523	2,591	264	786
local	494	141	899	1,076	1,301	1,069	109	326
cross-border	870	198	1,911	1,384	1,221	1,522	155	460
with non-financial customers	2,000	297	1,156	1,404	2,515	2,222	115	1,266
local	1,755	263	802	752	1,865	1,555	81	552
cross-border	245	34	354	652	650	667	34	715
Up to 7 days	1,549	341	1,461	1,958	2,489	3,596	249	1,147
Over 7 days and up to 1 year	4,037	945	8,199	2,563	3,904	2,909	860	1,456
Over 1 year	229	6	352	73	105	133	14	41
Foreign exchange swaps⁶	6,303	560	8,812	19,958	48,140	34,828	1,053	16,736
with reporting dealers	5,191	353	6,610	8,095	20,239	18,236	820	6,898
local	4,995	270	6,300	2,284	2,691	5,377	798	1,628
cross-border	197	83	310	5,811	17,548	12,859	22	5,270
with other financial institutions	742	131	1,541	10,542	16,867	12,293	230	7,890
local	625	124	1,498	3,580	3,962	4,166	227	4,546
cross-border	117	7	43	6,962	12,904	8,127	2	3,344
with non-financial customers	370	75	661	1,322	11,034	4,299	3	1,948
local	369	75	640	484	3,291	2,645	3	953
cross-border	1	0	21	837	7,743	1,653	0	995
Up to 7 days	2,179	306	2,524	16,720	37,862	30,246	463	13,823
Over 7 days and up to 1 year	3,961	254	5,548	2,438	9,934	4,484	589	2,396
Over 1 year	162	...	740	797	344	97	1	517
Total	21,130	3,286	34,047	39,218	66,964	58,735	3,451	24,231

For footnotes, see facing page.

Table E.1

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								Residual currencies ⁵	
Rouble ³	Rand	Singapore dollar	New Taiwan dollar	Baht	Turkish lira	Currencies of other reporting countries ⁴			
17,533	5,668	8,491	5,486	1,206	2,881	11,209	77,142	Spot	
6,579	2,911	4,694	1,948	426	925	4,271	24,898	with reporting dealers	
5,653	713	1,118	1,089	268	434	3,111	8,244	local	
926	2,197	3,576	858	158	491	1,161	16,654	cross-border	
5,425	1,625	2,164	1,781	133	1,799	2,839	30,683	with other financial institutions	
4,562	569	908	1,366	40	148	1,759	12,465	local	
863	1,056	1,256	415	93	1,651	1,080	18,218	cross-border	
5,530	1,133	1,633	1,758	646	157	4,098	21,562	with non-financial customers	
2,206	755	1,158	1,482	606	123	3,994	15,316	local	
3,324	378	475	276	40	34	104	6,246	cross-border	
1,253	3,458	2,962	4,724	847	535	3,509	46,043	Outright forwards⁶	
465	601	636	2,666	135	338	1,651	11,181	with reporting dealers	
57	170	132	469	69	128	345	4,523	local	
408	432	505	2,197	66	210	1,306	6,657	cross-border	
453	1,910	1,373	1,221	141	98	1,105	19,607	with other financial institutions	
297	586	553	390	26	64	652	7,814	local	
156	1,324	820	831	114	34	452	11,793	cross-border	
335	947	954	837	571	99	754	15,256	with non-financial customers	
248	649	701	314	529	94	632	10,149	local	
88	299	253	523	42	5	122	5,106	cross-border	
215	1,362	1,117	1,151	356	336	970	20,711	Up to 7 days	
1,002	2,032	1,809	3,487	469	174	2,455	23,791	Over 7 days and up to 1 year	
36	64	36	87	22	25	76	1,540	Over 1 year	
6,026	19,396	26,209	1,438	4,325	1,275	9,482	95,504	Foreign exchange swaps⁶	
3,223	9,232	17,032	724	3,019	586	4,966	37,843	with reporting dealers	
2,251	3,398	7,162	623	2,102	83	1,427	13,804	local	
972	5,834	9,871	101	917	502	3,539	24,039	cross-border	
2,023	8,458	7,447	469	895	667	3,840	43,541	with other financial institutions	
1,809	4,227	2,559	467	461	40	927	20,601	local	
214	4,231	4,888	2	434	627	2,913	22,940	cross-border	
779	1,706	1,731	245	411	22	676	14,120	with non-financial customers	
473	1,081	917	211	140	17	607	7,894	local	
306	625	814	34	271	5	69	6,226	cross-border	
5,843	16,499	21,317	141	2,337	1,031	5,649	82,929	Up to 7 days	
169	2,581	4,755	1,207	1,948	218	2,060	10,234	Over 7 days and up to 1 year	
13	316	137	89	40	26	116	916	Over 1 year	
24,811	28,523	37,663	11,648	6,378	4,691	24,200	218,690	Total	

Note: This table and the subsequent Tables E.2 to E.8 and E.16 include data on outright forwards and foreign exchange swaps which are also included in Tables E.20 to E.27.

¹ Adjusted for local and cross-border inter-dealer double-counting. ² Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Currency affected by overnetting, see methodological section.

⁴ Includes all participating countries currencies other than the ones listed. ⁵ Calculated as the difference between the total and the sum of the listed components. ⁶ Due to incomplete reporting, the maturity breakdown does not always add to totals.

Table E.1 (cont)

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

	Total	Euro	Yen	Pound sterling	Swiss franc
Spot	790,233	265,062	140,355	102,573	49,245
with reporting dealers	340,212	107,172	66,490	42,778	25,873
local	103,219	24,920	13,155	11,655	6,619
cross-border	236,993	82,252	53,335	31,123	19,254
with other financial institutions	317,222	112,936	52,547	43,434	16,615
local	127,297	44,842	20,270	15,592	6,978
cross-border	189,925	68,093	32,277	27,841	9,637
with non-financial customers	132,799	44,954	21,318	16,361	6,758
local	71,985	19,915	13,336	6,496	4,129
cross-border	60,814	25,039	7,983	9,866	2,629
Outright forwards⁴	289,435	90,559	42,435	30,199	12,268
with reporting dealers	80,404	23,635	8,013	6,635	3,234
local	19,123	4,606	1,693	2,255	952
cross-border	61,281	19,029	6,320	4,380	2,282
with other financial institutions	129,173	42,067	19,544	14,751	5,181
local	55,873	19,238	8,448	6,261	2,002
cross-border	73,301	22,829	11,095	8,490	3,178
with non-financial customers	79,858	24,857	14,878	8,813	3,853
local	42,358	10,911	10,018	3,812	1,686
cross-border	37,500	13,946	4,860	5,001	2,168
Up to 7 days	122,379	42,458	19,772	13,292	5,518
Over 7 days and up to 1 year	161,096	47,105	22,018	16,542	6,698
Over 1 year	5,934	997	632	364	53
Foreign exchange swaps⁴	1,580,594	484,774	214,530	228,365	81,464
with reporting dealers	752,494	207,959	107,520	100,694	41,907
local	248,234	58,409	27,016	46,560	10,857
cross-border	504,260	149,550	80,504	54,133	31,050
with other financial institutions	633,051	206,469	81,367	99,423	27,943
local	244,585	82,417	21,652	47,433	9,807
cross-border	388,465	124,053	59,715	51,990	18,135
with non-financial customers	195,050	70,346	25,643	28,249	11,614
local	85,180	23,905	15,453	14,294	4,566
cross-border	109,870	46,440	10,190	13,955	7,048
Up to 7 days	1,243,794	376,553	169,557	181,214	68,299
Over 7 days and up to 1 year	318,316	105,173	43,021	45,053	12,849
Over 1 year	15,303	3,048	1,951	2,098	316
Total	2,660,262	840,395	397,320	361,137	142,977

For footnotes, see facing page.

Table E.2

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
33,481	38,595	6,038	79,600	75,284	Spot
12,260	16,898	1,344	39,199	28,199	with reporting dealers
3,254	4,585	296	31,580	7,156	local
9,006	12,313	1,047	7,619	21,043	cross-border
15,848	15,465	3,758	21,657	34,963	with other financial institutions
7,061	5,710	499	16,095	10,251	local
8,788	9,755	3,259	5,563	24,711	cross-border
5,373	6,232	936	18,744	12,122	with non-financial customers
2,914	3,711	514	14,971	5,999	local
2,459	2,521	423	3,772	6,123	cross-border
12,186	14,668	3,587	15,722	67,812	Outright forwards⁴
2,157	4,124	816	6,285	25,505	with reporting dealers
588	1,064	185	2,556	5,226	local
1,569	3,061	631	3,729	20,279	cross-border
5,903	7,047	1,659	3,767	29,256	with other financial institutions
3,037	3,983	766	2,738	9,399	local
2,866	3,064	893	1,030	19,856	cross-border
4,127	3,496	1,113	5,669	13,051	with non-financial customers
2,131	2,016	588	5,345	5,851	local
1,996	1,481	524	324	7,200	cross-border
5,034	6,846	1,373	5,172	22,915	Up to 7 days
6,953	7,684	2,174	10,027	41,896	Over 7 days and up to 1 year
189	138	41	518	3,002	Over 1 year
69,627	121,440	46,707	128,237	205,450	Foreign exchange swaps⁴
30,743	61,463	20,576	87,174	94,458	with reporting dealers
8,924	21,941	7,216	41,828	25,483	local
21,819	39,522	13,361	45,346	68,974	cross-border
31,293	48,535	16,645	33,787	87,588	with other financial institutions
12,514	17,715	4,812	13,964	34,272	local
18,779	30,821	11,833	19,823	53,316	cross-border
7,591	11,442	9,486	7,276	23,404	with non-financial customers
4,299	8,778	3,176	4,432	6,275	local
3,292	2,663	6,309	2,844	17,128	cross-border
55,019	99,147	35,709	88,290	170,007	Up to 7 days
13,611	21,569	10,136	35,862	31,042	Over 7 days and up to 1 year
997	724	863	2,477	2,829	Over 1 year
115,294	174,703	56,333	223,559	348,545	Total

¹ Adjusted for local and cross-border inter-dealer double-counting. ² Includes all participating countries currencies other than the ones listed.

³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete reporting, the maturity breakdown does not always add to totals.

Table E.2 (cont)

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

	Total	US dollar	Yen	Pound sterling	Swiss franc
Spot	420,038	265,062	43,733	29,510	32,666
with reporting dealers	171,394	107,172	19,251	12,523	12,781
local	42,296	24,920	4,321	3,797	3,832
cross-border	129,099	82,252	14,930	8,726	8,948
with other financial institutions	170,951	112,936	16,760	11,511	13,338
local	65,597	44,842	5,421	4,410	4,959
cross-border	105,354	68,093	11,339	7,101	8,379
with non-financial customers	77,693	44,954	7,721	5,476	6,547
local	41,435	19,915	4,629	3,370	3,970
cross-border	36,258	25,039	3,092	2,106	2,577
Outright forwards⁴	137,391	90,559	11,894	9,399	6,269
with reporting dealers	33,669	23,635	2,380	1,894	1,529
local	7,466	4,606	605	522	469
cross-border	26,202	19,029	1,775	1,371	1,060
with other financial institutions	61,432	42,067	5,588	4,459	2,394
local	27,995	19,238	2,713	2,331	851
cross-border	33,437	22,829	2,875	2,129	1,543
with non-financial customers	42,290	24,857	3,926	3,047	2,346
local	22,985	10,911	3,048	1,939	1,413
cross-border	19,305	13,946	877	1,108	933
Up to 7 days	62,307	42,458	4,843	4,280	3,000
Over 7 days and up to 1 year	73,169	47,105	6,887	4,926	3,082
Over 1 year	1,912	997	165	194	187
Foreign exchange swaps⁴	581,977	484,774	14,203	24,972	14,699
with reporting dealers	239,945	207,959	4,613	7,161	3,734
local	66,869	58,409	904	2,097	939
cross-border	173,076	149,550	3,709	5,064	2,795
with other financial institutions	245,347	206,469	5,336	10,072	8,259
local	97,181	82,417	1,494	4,214	3,116
cross-border	148,166	124,053	3,842	5,859	5,142
with non-financial customers	96,685	70,346	4,254	7,738	2,706
local	39,812	23,905	2,593	3,985	1,261
cross-border	56,873	46,440	1,660	3,754	1,445
Up to 7 days	431,613	376,553	5,701	13,230	8,380
Over 7 days and up to 1 year	145,160	105,173	8,275	10,865	6,143
Over 1 year	5,164	3,048	227	877	176
Total	1,139,405	840,395	69,830	63,881	53,633

For footnotes, see facing page.

Table E.3

Foreign exchange turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
2,144	3,248	9,660	7,830	26,186	Spot
815	978	3,868	3,036	10,970	with reporting dealers
105	147	1,140	1,019	3,015	local
710	831	2,729	2,017	7,955	cross-border
721	901	3,356	1,828	9,601	with other financial institutions
308	250	910	930	3,567	local
413	651	2,445	898	6,034	cross-border
608	1,369	2,436	2,966	5,615	with non-financial customers
449	1,185	1,689	2,506	3,722	local
159	185	747	460	1,893	cross-border
1,350	1,843	3,454	2,177	10,446	Outright forwards⁴
191	234	561	467	2,778	with reporting dealers
83	51	133	145	851	local
108	183	427	322	1,927	cross-border
723	956	1,417	372	3,456	with other financial institutions
395	499	584	240	1,144	local
328	457	834	131	2,313	cross-border
436	652	1,475	1,339	4,211	with non-financial customers
310	453	909	1,244	2,757	local
126	199	567	95	1,454	cross-border
581	654	1,709	483	4,299	Up to 7 days
744	1,156	1,711	1,612	5,946	Over 7 days and up to 1 year
25	32	34	78	200	Over 1 year
2,856	2,485	8,763	7,549	21,677	Foreign exchange swaps⁴
611	711	2,863	3,552	8,742	with reporting dealers
350	359	152	860	2,798	local
261	352	2,711	2,692	5,944	cross-border
1,477	1,007	2,422	1,973	8,330	with other financial institutions
298	561	1,195	1,516	2,370	local
1,179	446	1,227	457	5,960	cross-border
768	767	3,478	2,024	4,604	with non-financial customers
449	506	2,602	1,782	2,728	local
320	261	876	242	1,876	cross-border
1,454	1,108	5,676	4,618	14,893	Up to 7 days
1,363	1,338	2,807	2,854	6,342	Over 7 days and up to 1 year
39	39	280	27	451	Over 1 year
6,350	7,575	21,876	17,556	58,308	Total

¹ Adjusted for local and cross-border inter-dealer double-counting. ² Includes all participating countries currencies other than the ones listed.

³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete reporting, the maturity breakdown does not always add to totals.

Foreign exchange turnover by country and currency in April 2007¹

Daily averages, in millions of US dollars

	Total	Specified currency against all other currencies ²				
		US dollar	Euro	Yen	Pound sterling	Swiss franc
Argentina	1,113	1,078	54	2	1	1
Australia	169,518	154,698	29,595	18,198	13,103	7,134
Austria	17,829	13,500	11,670	1,827	1,075	2,979
Bahrain	2,950	2,802	1,021	422	467	94
Belgium	48,191	42,516	31,561	3,650	5,411	1,766
Brazil	5,456	5,381	760	137	114	5
Bulgaria	532	290	477	9	31	13
Canada	59,824	57,024	6,975	3,254	4,248	1,565
Chile	3,975	3,943	139	80	21	1
China	9,288	9,153	68	62	103	12
Colombia	1,843	1,830	43	60	7	1
Czech Republic	4,947	3,433	1,902	48	77	35
Denmark	86,062	64,639	40,108	2,468	3,390	8,108
Estonia	1,251	254	1,158	3	18	3
Finland	8,174	3,438	7,275	305	742	554
France	119,740	107,141	59,964	16,537	15,208	11,146
Germany	98,713	78,160	61,455	13,579	10,830	12,339
Greece	4,881	3,387	3,531	1,038	605	713
Hong Kong SAR	174,625	167,764	22,412	18,223	12,985	2,763
Hungary	6,715	4,502	3,069	1,066	172	635
India	34,085	32,650	3,185	9,427	3,299	390
Indonesia	2,809	2,612	315	233	74	4
Ireland	10,530	8,186	5,144	1,093	2,939	782
Israel	7,947	7,721	...	...	...	...
Italy	35,563	30,230	29,421	3,667	3,935	1,714
Japan	238,425	201,647	43,535	169,574	16,538	3,823
Korea	33,396	30,735	2,040	3,879	1,469	23
Latvia	2,589	2,104	1,740	234	424	88
Lithuania	963	307	889	5	22	10
Luxembourg	42,572	35,843	29,909	4,039	5,304	3,425
Malaysia	3,417	3,318	201	238	168	6
Mexico	15,174	14,932	319	5	13	2
Netherlands	23,754	17,878	10,774	2,471	4,142	3,211
New Zealand	12,260	11,546	1,269	559	450	178
Norway	31,919	27,188	8,072	904	1,218	444
Peru	805	805	44	11	7	3
Philippines	2,320	2,302	54	53	45	4
Poland	8,813	6,653	3,176	50	447	510
Portugal	3,306	2,496	2,515	307	572	299
Romania	2,510	778	2,374	4	30	47
Russia	50,173	48,362	19,300	2,216	4,241	477
Saudi Arabia	4,132	3,549	616	213	535	76
Singapore	230,555	203,483	62,677	57,806	30,447	9,326
Slovakia	3,422	3,098	314	...	...	...
Slovenia	244	158	159	19	16	21
South Africa	13,854	13,225	1,728	498	1,044	158
Spain	16,261	14,923	11,099	1,267	2,779	358
Sweden	42,150	28,950	20,444	1,063	2,022	2,268
Switzerland	241,691	205,593	104,195	29,880	36,787	69,299
Taiwan, China	14,566	13,782	2,118	3,447	1,096	227
Thailand	6,171	5,828	546	939	136	11
Turkey	3,362	2,962	1,325	40	249	65
United Kingdom	1,359,103	1,205,702	565,640	192,702	297,292	85,183
United States	663,611	548,316	249,407	111,962	87,512	44,659
Total	3,988,082	3,462,795	1,467,782	679,775	573,860	276,958

For footnotes, see facing page.

Table E.4

Foreign exchange turnover by country and currency in April 2007¹

Daily averages, in millions of US dollars

Specified currency against all other currencies ²					
Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ³	Residual currencies ⁴	
1	0	0	1,087	0	Argentina
4,016	84,576	539	23,512	3,664	Australia
229	193	115	3,706	363	Austria
28	23	19	575	449	Bahrain
360	1,806	664	6,747	1,902	Belgium
96	9	1	4,408	2	Brazil
1	1	8	232	0	Bulgaria
40,440	2,124	515	2,556	946	Canada
5	0	0	3,760	0	Chile
6	3	...	9,167	0	China
0	0	0	1,744	0	Colombia
2	4	26	4,309	57	Czech Republic
413	613	15,809	36,248	329	Denmark
8	2	11	1,044	1	Estonia
156	65	537	3,198	77	Finland
4,804	6,228	2,982	13,065	2,406	France
1,156	1,704	1,196	9,085	7,923	Germany
66	91	28	284	19	Greece
2,092	13,952	...	95,018	14,043	Hong Kong SAR
21	6	12	3,945	3	Hungary
25	75	29	16,418	2,674	India
2	18	0	2,360	0	Indonesia
1,378	393	363	607	176	Ireland
...	...	...	4,353	3,819	Israel
169	223	182	1,498	88	Italy
5,722	15,808	1,013	19,156	35	Japan
130	1,071	8	27,393	46	Korea
32	13	14	507	23	Latvia
0	0	2	691	1	Lithuania
516	1,594	862	3,511	140	Luxembourg
2	75	2	2,820	4	Malaysia
7	0	0	15,070	0	Mexico
436	424	657	3,916	3,598	Netherlands
114	3,118	4	7,280	3	New Zealand
168	2,693	2,223	20,903	26	Norway
2	...	...	737	0	Peru
1	6	1	2,177	0	Philippines
3	4	21	6,760	3	Poland
115	36	31	186	56	Portugal
1	0	5	1,780	0	Romania
122	72	5	24,854	697	Russia
23	7	4	1,813	1,430	Saudi Arabia
7,418	19,542	1,550	68,506	355	Singapore
...	...	...	3,422	9	Slovakia
3	3	0	1	106	Slovenia
48	125	32	10,709	140	South Africa
142	118	112	1,702	21	Spain
438	270	23,677	4,952	215	Sweden
4,641	7,701	3,786	18,800	2,700	Switzerland
240	521	5	7,694	1	Taiwan, China
5	47	31	4,799	0	Thailand
1	1	4	2,078	0	Turkey
42,392	70,379	42,040	114,501	102,374	United Kingdom
47,115	32,833	9,309	80,993	115,116	United States
165,312	268,569	108,439	706,633	266,040	Total

¹ Spot, outright forward and foreign exchange swap transactions. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Includes all participating countries currencies other than the ones listed. ⁴ Calculated as the difference between the total and the sum of the listed components. Table E.4 (cont)

Foreign exchange turnover by country and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

	Total	Euro	Yen	Pound sterling	Swiss franc
Argentina	1,078	23	1	1	0
Australia	154,698	23,469	13,499	9,769	6,302
Austria	13,500	7,381	1,216	799	1,314
Bahrain	2,802	923	393	429	70
Belgium	42,516	28,102	1,968	3,490	1,037
Brazil	5,381	701	127	112	2
Bulgaria	290	240	3	14	2
Canada	57,024	5,569	2,745	3,525	1,268
Chile	3,943	110	79	21	1
China	9,153	47	44	10	12
Colombia	1,830	33	57	7	1
Czech Republic	3,433	478	24	64	9
Denmark	64,639	20,895	1,886	1,739	5,739
Estonia	254	164	0	6	2
Finland	3,438	2,564	198	89	125
France	107,141	48,151	13,038	9,923	9,164
Germany	78,160	43,006	9,288	7,027	8,181
Greece	3,387	2,046	113	352	600
Hong Kong SAR	167,764	20,217	16,423	12,590	2,763
Hungary	4,502	1,047	89	108	263
India	32,650	2,108	8,722	3,157	258
Indonesia	2,612	206	163	69	4
Ireland	8,186	3,016	678	1,881	186
Israel	7,721	...	...	...	...
Italy	30,230	24,152	1,733	2,129	851
Japan	201,647	25,730	138,846	7,622	1,563
Korea	30,735	1,610	1,798	676	19
Latvia	2,104	1,320	82	346	55
Lithuania	307	245	1	2	5
Luxembourg	35,843	23,896	2,279	3,826	1,711
Malaysia	3,318	152	196	150	4
Mexico	14,932	88	1	11	1
Netherlands	17,878	7,609	1,399	2,189	2,431
New Zealand	11,546	1,082	434	377	147
Norway	27,188	4,535	481	659	170
Peru	805	44	11	7	3
Philippines	2,302	42	44	43	4
Poland	6,653	1,106	35	382	360
Portugal	2,496	1,727	97	276	199
Romania	778	656	1	8	11
Russia	48,362	17,712	1,961	4,078	458
Saudi Arabia	3,549	506	128	473	40
Singapore	203,483	47,882	43,111	21,162	5,870
Slovakia	3,098	...	...	...	...
Slovenia	158	76	1	6	0
South Africa	13,225	1,358	451	822	137
Spain	14,923	9,790	1,060	2,202	215
Sweden	28,950	9,628	630	804	1,733
Switzerland	205,593	74,009	20,679	28,647	52,676
Taiwan, China	13,782	1,672	2,964	982	204
Thailand	5,828	446	739	101	7
Turkey	2,962	932	29	163	12
United Kingdom	1,205,702	443,602	153,572	240,301	54,978
United States	548,316	179,126	93,962	77,146	34,398
Total	3,462,795	1,091,225	537,480	450,773	195,564

For footnotes, see facing page.

Table E.5

Foreign exchange turnover by country and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Local currency	Residual currencies ²	
0	...	0	1,052	0	Argentina
3,436	76,674	311	...	21,239	Australia
187	169	76	...	2,358	Austria
24	18	15	66	863	Bahrain
179	1,365	174	...	6,201	Belgium
96	9	0	4,300	33	Brazil
1	1	0	29	1	Bulgaria
38,364	1,883	461	...	3,209	Canada
4	0	0	3,714	15	Chile
6	3	...	9,030	0	China
0	0	0	1,731	0	Colombia
2	3	7	2,406	438	Czech Republic
240	456	10,665	13,020	9,997	Denmark
6	2	0	22	53	Estonia
121	17	81	...	241	Finland
4,531	5,888	2,514	...	13,932	France
933	1,252	...	...	8,473	Germany
27	44	10	...	194	Greece
2,092	13,952	...	72,521	27,207	Hong Kong SAR
19	4	6	2,906	60	Hungary
22	65	27	16,029	2,262	India
2	16	0	1,689	463	Indonesia
1,358	306	265	...	498	Ireland
...	...	...	4,127	3,594	Israel
81	106	52	...	1,125	Italy
3,042	10,598	238	...	14,008	Japan
113	168	7	26,099	245	Korea
17	5	6	72	202	Latvia
0	0	0	35	19	Lithuania
398	1,365	416	...	1,952	Luxembourg
2	70	0	2,651	92	Malaysia
4	0	...	14,827	0	Mexico
149	261	544	...	3,297	Netherlands
101	2,729	2	6,654	21	New Zealand
117	2,642	1,641	15,831	1,114	Norway
2	...	...	737	0	Peru
1	5	1	2,154	8	Philippines
2	4	12	4,589	163	Poland
47	16	11	...	123	Portugal
0	0	2	100	0	Romania
111	49	4	23,598	391	Russia
16	4	3	1,712	666	Saudi Arabia
5,424	15,729	896	22,937	40,473	Singapore
...	...	...	3,098	...	Slovakia
1	0	0	...	75	Slovenia
42	117	29	10,063	208	South Africa
134	77	66	...	1,380	Spain
242	157	12,988	...	2,768	Sweden
3,898	6,121	2,793	...	16,770	Switzerland
216	441	4	6,234	1,065	Taiwan, China
3	37	29	4,413	53	Thailand
0	0	1	1,804	21	Turkey
36,134	55,883	31,146	...	190,086	United Kingdom
45,743	30,886	5,868	...	81,186	United States
147,689	229,598	71,372	280,252	458,842	Total

¹ Spot, outright forward and foreign exchange swap transactions. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components.

Table E.5 (cont)

Foreign exchange turnover by country and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

	Total	US dollar	Yen	Pound sterling	Swiss franc
Argentina	54	23	...	...	...
Australia	29,595	23,469	1,682	666	329
Austria	11,670	7,381	593	252	1,649
Bahrain	1,021	923	11	7	17
Belgium	31,561	28,102	716	1,154	316
Brazil	760	701	...	...	...
Bulgaria	477	240	4	13	11
Canada	6,975	5,569	219	78	137
Chile	139	110	0	...	...
China	68	47	15	...	...
Colombia	43	33	0	...	...
Czech Republic	1,902	478	21	5	4
Denmark	40,108	20,895	394	1,184	1,887
Estonia	1,158	164	2	11	1
Finland	7,275	2,564	92	565	421
France	59,964	48,151	2,848	4,391	1,775
Germany	61,455	43,006	4,291	3,802	4,158
Greece	3,531	2,046	920	248	111
Hong Kong SAR	22,412	20,217	1,800	395	...
Hungary	3,069	1,047	864	18	291
India	3,185	2,108	679	81	8
Indonesia	315	206	2	0	...
Ireland	5,144	3,016	273	962	529
Israel	...	...	...	...	...
Italy	29,421	24,152	1,891	1,771	852
Japan	43,535	25,730	14,077	1,533	696
Korea	2,040	1,610	49	28	1
Latvia	1,740	1,320	108	30	16
Lithuania	889	245	4	14	5
Luxembourg	29,909	23,896	1,479	1,146	1,401
Malaysia	201	152	15	1	2
Mexico	319	88	1	...	...
Netherlands	10,774	7,609	370	473	526
New Zealand	1,269	1,082	49	13	24
Norway	8,072	4,535	191	159	97
Peru	44	44	...	...	...
Philippines	54	42	5	0	...
Poland	3,176	1,106	11	32	123
Portugal	2,515	1,727	210	296	100
Romania	2,374	656	3	18	30
Russia	19,300	17,712	254	155	16
Saudi Arabia	616	506	30	6	6
Singapore	62,677	47,882	7,103	3,700	1,536
Slovakia	314	...	...	...	...
Slovenia	159	76	16	7	21
South Africa	1,728	1,358	6	76	9
Spain	11,099	9,790	187	560	139
Sweden	20,444	9,628	197	384	302
Switzerland	104,195	74,009	6,756	4,932	13,680
Taiwan, China	2,118	1,672	289	40	2
Thailand	546	446	16	1	0
Turkey	1,325	932	7	82	1
United Kingdom	565,640	443,602	23,494	39,388	24,945
United States	249,407	179,126	18,000	10,366	10,261
Total	1,467,782	1,091,225	90,244	79,043	66,436

For footnotes, see facing page.

Table E.6

Foreign exchange turnover by country and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Local currency	Residual currencies ²	
...	...	...	31	...	Argentina
110	2,166	142	...	1,031	Australia
40	21	37	...	1,697	Austria
0	1	4	1	58	Bahrain
103	49	211	...	911	Belgium
...	...	...	59	0	Brazil
0	0	8	201	0	Bulgaria
834	3	41	...	95	Canada
...	...	...	28	0	Chile
...	...	...	6	...	China
...	...	...	10	0	Colombia
...	1	18	1,070	304	Czech Republic
79	51	4,466	9,335	1,818	Denmark
2	...	11	749	217	Estonia
15	13	394	...	3,211	Finland
199	209	382	...	2,008	France
223	452	...	...	5,524	Germany
37	44	17	...	107	Greece
...	...	...	...	0	Hong Kong SAR
0	1	2	775	72	Hungary
1	4	...	160	143	India
...	0	...	51	56	Indonesia
13	47	40	...	264	Ireland
...	...	...	...	...	Israel
83	105	117	...	450	Italy
507	428	164	...	399	Japan
...	1	0	351	0	Korea
12	0	7	186	61	Latvia
0	0	1	538	82	Lithuania
107	96	375	...	1,408	Luxembourg
...	...	...	31	0	Malaysia
...	...	...	230	...	Mexico
26	33	49	...	1,689	Netherlands
0	7	1	92	0	New Zealand
2	4	296	2,696	93	Norway
...	...	...	0	0	Peru
...	0	...	6	0	Philippines
0	...	5	1,831	69	Poland
68	20	20	...	74	Portugal
0	0	2	1,654	11	Romania
10	23	1	1,125	6	Russia
0	0	...	12	56	Saudi Arabia
339	600	202	315	999	Singapore
...	...	...	314	...	Slovakia
3	1	0	...	36	Slovenia
...	1	1	274	4	South Africa
6	26	36	...	355	Spain
20	11	8,720	...	1,183	Sweden
189	240	832	...	3,556	Switzerland
1	7	...	108	1	Taiwan, China
...	0	...	82	0	Thailand
0	0	3	266	33	Turkey
3,025	2,330	7,696	...	21,160	United Kingdom
1,372	1,946	3,442	...	24,893	United States
7,429	8,941	27,743	22,587	74,134	Total

¹ Spot, outright forward and foreign exchange swap transactions. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components.

Table E.6 (cont)

Foreign exchange turnover by country and currency in April 2007¹

Local currency against:

Daily averages, in millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Argentina	1,087	1,052	31	1	1
Australia	84,576	76,674	2,166	1,694	1,612
Austria	11,670	7,381	...	593	252
Bahrain	75	66	1	2	1
Belgium	31,561	28,102	...	716	1,154
Brazil	4,374	4,300	59	10	2
Bulgaria	231	29	201	0	1
Canada	40,440	38,364	834	276	510
Chile	3,745	3,714	28	1	1
China	9,056	9,030	6	3	0
Colombia	1,744	1,731	10	3	0
Czech Republic	3,567	2,406	1,070	2	6
Denmark	23,804	13,020	9,335	96	266
Estonia	773	22	749	...	0
Finland	7,275	2,564	...	92	565
France	59,964	48,151	...	2,848	4,391
Germany	61,455	43,006	...	4,291	3,802
Greece	3,531	2,046	...	920	248
Hong Kong SAR	73,407	72,521	...	...	...
Hungary	3,806	2,906	775	37	8
India	16,418	16,029	160	26	61
Indonesia	1,829	1,689	51	60	5
Ireland	5,144	3,016	...	273	962
Israel	4,353	4,127	...	...	...
Italy	29,421	24,152	...	1,891	1,771
Japan	169,574	138,846	14,077	...	6,293
Korea	27,105	26,099	351	456	55
Latvia	262	72	186	...	1
Lithuania	585	35	538	0	5
Luxembourg	29,909	23,896	...	1,479	1,146
Malaysia	2,719	2,651	31	16	5
Mexico	15,068	14,827	230	3	2
Netherlands	10,774	7,609	...	370	473
New Zealand	7,255	6,654	92	71	54
Norway	19,617	15,831	2,696	198	301
Peru	737	737	0	...	...
Philippines	2,168	2,154	6	4	1
Poland	6,510	4,589	1,831	4	33
Portugal	2,515	1,727	...	210	296
Romania	1,768	100	1,654	1	4
Russia	24,740	23,598	1,125	2	8
Saudi Arabia	1,772	1,712	12	2	1
Singapore	24,249	22,937	315	249	223
Slovakia	3,422	3,098	314	...	...
Slovenia	159	76	...	16	7
South Africa	10,589	10,063	274	40	144
Spain	11,099	9,790	...	187	560
Sweden	23,677	12,988	8,720	122	490
Switzerland	69,299	52,676	13,680	1,212	1,049
Taiwan, China	6,551	6,234	108	104	15
Thailand	4,739	4,413	82	182	34
Turkey	2,074	1,804	266	2	2
United Kingdom	297,292	240,301	39,388	8,780	...
United States	548,316	...	179,126	93,962	77,146
Total	1,807,852	1,041,616	280,577	121,504	103,967

For footnote, see facing page.

Table E.7

Foreign exchange turnover by country and currency in April 2007¹

Local currency against:

Daily averages, in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Swedish krona	Residual currencies ²	
1	0	...	0	1	Argentina
242	268	...	53	1,868	Australia
1,649	40	21	37	1,697	Austria
2	...	...	...	3	Bahrain
316	103	49	211	911	Belgium
3	0	0	0	0	Brazil
0	...	...	0	0	Bulgaria
151	...	221	14	71	Canada
0	0	0	0	0	Chile
...	...	...	...	17	China
0	0	...	...	0	Colombia
22	0	0	1	59	Czech Republic
364	49	51	281	342	Denmark
...	0	...	1	1	Estonia
421	15	13	394	3,211	Finland
1,775	199	209	382	2,008	France
4,158	223	452	...	5,524	Germany
111	37	44	17	107	Greece
...	...	...	...	887	Hong Kong SAR
74	0	0	0	6	Hungary
124	2	5	2	9	India
0	1	2	0	21	Indonesia
529	13	47	40	264	Ireland
...	...	...	...	226	Israel
852	83	105	117	450	Italy
835	1,575	4,115	320	3,513	Japan
3	18	36	1	87	Korea
0	...	...	1	2	Latvia
0	0	0	1	5	Lithuania
1,401	107	96	375	1,408	Luxembourg
0	0	3	0	14	Malaysia
2	3	0	0	1	Mexico
526	26	33	49	1,689	Netherlands
7	10	363	0	4	New Zealand
169	39	36	277	70	Norway
...	...	...	...	0	Peru
0	...	0	...	1	Philippines
27	0	0	4	21	Poland
100	68	20	20	74	Portugal
6	0	...	1	1	Romania
3	0	0	1	3	Russia
0	0	0	0	44	Saudi Arabia
85	105	138	2	195	Singapore
...	...	...	...	9	Slovakia
21	3	1	0	36	Slovenia
12	4	6	2	43	South Africa
139	6	26	36	355	Spain
126	53	78	...	1,100	Sweden
...	144	130	78	331	Switzerland
4	9	19	1	58	Taiwan, China
4	2	8	3	11	Thailand
0	0	0	0	0	Turkey
2,566	1,062	1,378	916	2,902	United Kingdom
34,398	45,743	30,886	5,868	81,186	United States
51,228	50,011	38,593	9,506	110,849	Total

¹ Spot, outright forward and foreign exchange swap transactions. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components.

Table E.7 (cont)

Foreign exchange turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Gross turnover ²	Net turnover ³				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Argentina	1,298	1,113	185	...	170	758
Australia	202,865	169,518	33,347	66,167	52,994	17,010
Austria	18,246	17,829	417	12,391	4,114	906
Bahrain	3,022	2,950	73	2,228	534	115
Belgium	48,717	48,191	526	35,798	8,560	3,307
Brazil	6,743	5,456	1,287	1,064	2,456	650
Bulgaria	559	532	27	185	174	145
Canada	66,201	59,824	6,377	26,688	21,103	5,655
Chile	5,473	3,975	1,498	905	1,080	492
China	13,939	9,288	4,651	0	4,630	7
Colombia	2,326	1,843	484	126	434	798
Czech Republic	5,261	4,947	314	3,457	629	548
Denmark	100,235	86,062	14,173	52,698	9,362	9,829
Estonia	1,254	1,251	3	1,083	62	103
Finland	8,476	8,174	302	5,850	277	1,745
France	126,073	119,740	6,333	72,548	32,355	8,504
Germany	106,292	98,713	7,578	64,643	18,718	7,774
Greece	4,910	4,881	29	3,600	351	901
Hong Kong SAR	192,235	174,625	17,609	119,484	28,784	8,748
Hungary	6,989	6,715	274	4,035	1,962	444
India	45,667	34,085	11,581	10,455	4,435	7,614
Indonesia	3,427	2,809	618	781	551	859
Ireland	10,584	10,530	53	5,119	3,609	1,749
Israel	8,444	7,947	497	...	5,418	2,031
Italy	36,923	35,563	1,361	24,744	4,130	5,329
Japan	260,748	238,425	22,323	152,865	30,156	33,080
Korea	47,414	33,396	14,018	10,161	4,457	4,760
Latvia	2,879	2,589	290	999	761	539
Lithuania	998	963	35	390	291	247
Luxembourg	43,783	42,572	1,211	29,411	9,859	2,091
Malaysia	4,194	3,417	777	887	1,277	476
Mexico	16,340	15,174	1,166	7,121	5,535	1,352
Netherlands	23,878	23,754	124	7,804	4,279	11,547
New Zealand	12,462	12,260	202	7,244	3,832	983
Norway	32,091	31,919	172	21,251	5,980	4,514
Peru	968	805	162	201	176	266
Philippines	3,798	2,320	1,477	336	370	138
Poland	9,515	8,813	701	5,838	1,254	1,020
Portugal	3,512	3,306	205	1,297	1,457	347
Romania	2,814	2,510	304	1,550	209	447
Russia	61,352	50,173	11,179	14,307	10,646	14,041
Saudi Arabia	4,634	4,132	502	1,570	1,352	709
Singapore	244,019	230,555	13,463	168,470	26,315	22,306
Slovakia	3,578	3,422	156	3,216	50	...
Slovenia	244	244	0	181	33	30
South Africa	16,225	13,854	2,371	7,750	2,639	1,094
Spain	16,508	16,261	247	12,655	1,615	1,744
Sweden	44,738	42,150	2,588	14,752	12,595	12,215
Switzerland	253,211	241,691	11,520	160,869	30,718	38,585
Taiwan, China	16,391	14,566	1,826	6,803	2,674	3,263
Thailand	8,483	6,171	2,311	1,733	736	1,391
Turkey	3,695	3,362	333	2,234	626	169
United Kingdom	1,525,666	1,359,103	166,563	447,930	570,997	173,614
United States	709,220	663,611	45,609	210,314	297,498	110,190
Total	4,399,515	3,988,082	411,433	1,814,187	1,235,280	527,182

¹ Spot, outright forward and foreign exchange swap transactions. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Not adjusted for inter-dealer double-counting (ie "gross-gross" basis). ³ Adjusted for local inter-dealer double-counting (ie "net-gross" basis).

Table E.8

Spot foreign exchange turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	1,095	185	...	143	26	737	3
Australia	44,307	4,022	15,405	2,552	16,553	4,002	1,773
Austria	5,518	141	4,144	185	856	126	66
Bahrain	1,532	30	1,236	23	187	9	47
Belgium	14,620	139	11,090	74	2,267	141	909
Brazil	5,077	1,253	960	2,237	88	539	0
Bulgaria	348	16	82	102	21	125	3
Canada	13,654	1,051	6,709	1,200	3,120	1,314	259
Chile	2,036	1,153	92	368	50	372	1
China	8,345	4,397	0	3,751	190	7	...
Colombia	1,295	391	10	210	14	670	...
Czech Republic	1,398	116	901	27	69	262	23
Denmark	15,099	1,391	8,935	352	1,275	2,084	1,062
Estonia	190	...	101	3	2	46	37
Finland	671	50	306	25	141	147	2
France	25,036	1,041	14,920	1,915	5,862	766	532
Germany	24,505	1,047	16,998	1,606	3,003	573	1,279
Greece	1,016	7	739	10	151	107	3
Hong Kong SAR	37,920	2,607	26,619	716	5,191	1,995	792
Hungary	2,200	68	1,415	96	380	209	31
India	14,349	5,353	3,799	692	2,247	2,255	4
Indonesia	1,682	235	630	253	75	465	25
Ireland	3,890	9	2,534	120	956	119	152
Israel	3,543	280	...	...	1,891	1,373	...
Italy	11,254	366	4,595	1,302	477	4,504	11
Japan	100,914	5,468	71,035	4,345	5,010	14,465	592
Korea	17,417	7,291	4,630	694	1,643	3,083	77
Latvia	829	43	383	35	166	59	144
Lithuania	664	6	178	251	9	125	94
Luxembourg	13,323	493	7,940	2,362	1,880	221	427
Malaysia	1,670	358	593	312	216	159	32
Mexico	4,519	538	1,485	741	564	1,162	28
Netherlands	3,079	47	1,384	368	1,049	116	115
New Zealand	1,974	63	1,014	134	537	226	0
Norway	3,461	22	1,893	295	379	815	57
Peru	591	139	80	120	0	252	...
Philippines	1,082	665	181	133	8	89	5
Poland	2,405	198	1,328	111	258	497	13
Portugal	1,548	189	668	15	435	226	16
Romania	1,012	178	315	40	62	411	6
Russia	34,003	7,889	6,525	5,564	1,545	2,479	10,001
Saudi Arabia	2,714	341	682	371	818	502	0
Singapore	89,242	3,492	68,818	2,322	6,293	3,047	5,270
Slovakia	218	36	132	50	...	...	...
Slovenia	142	0	111	2	13	16	...
South Africa	3,406	523	2,055	67	295	392	74
Spain	6,184	70	4,632	188	630	526	138
Sweden	7,768	460	2,254	356	1,445	2,441	812
Switzerland	108,449	6,324	76,017	1,699	8,310	11,215	4,883
Taiwan, China	8,806	1,074	3,760	1,462	317	1,935	259
Thailand	1,382	247	485	22	87	524	17
Turkey	785	127	497	41	30	90	0
United Kingdom	335,440	41,224	116,874	35,728	98,926	13,019	29,669
United States	311,335	23,575	101,940	80,248	62,154	26,389	17,027
Total	1,304,942	126,427	600,106	156,039	238,167	107,430	76,773

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.9

Outright forward foreign exchange turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	18	0	...	0	0	18	...
Australia	14,481	1,213	5,754	1,907	3,669	1,703	234
Austria	1,897	40	1,187	243	252	129	45
Bahrain	703	15	525	3	104	7	51
Belgium	7,270	73	5,701	15	663	212	605
Brazil	348	33	99	112	8	95	1
Bulgaria	14	2	3	3	0	7	...
Canada	4,303	440	971	1,338	445	899	210
Chile	1,495	100	802	394	88	109	3
China	42	28	...	14	...	...	...
Colombia	488	57	116	146	56	113	...
Czech Republic	882	12	500	130	146	89	4
Denmark	9,986	212	6,775	607	258	1,650	483
Estonia	5	...	2	0	...	1	1
Finland	381	2	49	22	1	286	20
France	7,483	925	4,078	824	843	522	291
Germany	22,616	1,269	16,462	437	2,091	1,442	916
Greece	69	1	15	2	2	46	2
Hong Kong SAR	14,715	1,295	7,940	325	3,382	790	982
Hungary	173	...	19	31	36	81	7
India	6,299	568	173	482	111	4,960	6
Indonesia	514	66	65	25	77	282	...
Ireland	876	4	224	269	165	134	80
Israel	...	...	...	...	...	...	...
Italy	2,551	103	1,422	343	64	593	26
Japan	25,633	1,188	7,918	4,963	2,859	8,001	705
Korea	5,141	479	3,190	548	116	702	105
Latvia	26	2	11	1	6	3	3
Lithuania	12	2	4	1	4	1	0
Luxembourg	5,234	31	2,258	1,602	494	622	228
Malaysia	359	2	107	1	2	244	3
Mexico	414	...	49	59	248	59	...
Netherlands	5,701	31	3,791	446	884	277	272
New Zealand	761	3	415	116	0	227	0
Norway	2,419	15	841	672	87	691	113
Peru	214	24	121	41	14	14	...
Philippines	201	16	111	32	1	39	2
Poland	527	4	65	17	21	419	1
Portugal	513	11	185	8	225	84	1
Romania	105	7	80	1	1	15	0
Russia	1,100	38	409	228	83	222	120
Saudi Arabia	146	12	22	...	4	108	0
Singapore	25,199	1,464	17,093	875	2,418	1,648	1,701
Slovakia	9	0	9	...	...	...	...
Slovenia	42	...	20	0	7	14	...
South Africa	918	31	237	81	153	384	32
Spain	2,056	28	1,330	61	180	378	80
Sweden	1,561	5	151	366	72	855	111
Switzerland	16,825	1,043	3,000	449	831	2,281	9,220
Taiwan, China	1,717	121	580	234	18	701	62
Thailand	683	68	82	16	45	455	18
Turkey	651	106	437	7	23	78	0
United Kingdom	124,203	8,024	28,964	20,229	41,362	8,437	17,186
United States	113,622	4,791	19,379	31,714	25,805	21,109	10,824
Total	433,600	24,004	143,740	70,438	88,425	62,235	44,758

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.10

Foreign exchange swap turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	110,731	28,112	45,009	9,937	18,375	8,025	1,273
Austria	10,414	236	7,059	1,078	1,500	534	6
Bahrain	715	27	467	3	215	0	2
Belgium	26,301	313	19,006	56	5,485	241	1,198
Brazil	32	...	5	0	12	15	...
Bulgaria	169	9	101	1	47	10	...
Canada	41,867	4,886	19,007	6,142	8,858	2,220	752
Chile	443	245	11	170	9	8	...
China	901	227	...	674	...	...	...
Colombia	60	36	1	7	1	14	1
Czech Republic	2,667	186	2,055	33	224	142	28
Denmark	60,978	12,570	36,989	3,177	3,693	3,109	1,440
Estonia	1,057	3	980	6	51	10	8
Finland	7,122	249	5,495	24	63	1,258	32
France	87,221	4,367	53,551	2,868	20,043	4,181	2,211
Germany	51,592	5,263	31,183	2,786	8,795	1,966	1,598
Greece	3,796	22	2,846	32	154	606	136
Hong Kong SAR	121,991	13,707	84,924	4,653	14,518	1,663	2,526
Hungary	4,343	206	2,601	228	1,191	29	87
India	13,437	5,660	6,484	791	114	389	...
Indonesia	613	317	86	122	...	87	1
Ireland	5,765	41	2,360	109	1,991	138	1,126
Israel	4,404	218	...	...	3,528	658	...
Italy	21,758	891	18,726	640	1,304	114	82
Japan	111,877	15,668	73,913	4,232	8,748	8,889	429
Korea	10,838	6,248	2,341	1,455	2	682	110
Latvia	1,735	245	606	42	509	25	308
Lithuania	287	27	208	4	23	0	26
Luxembourg	24,015	687	19,213	1,272	2,249	113	480
Malaysia	1,388	417	187	629	117	38	...
Mexico	10,240	628	5,587	683	3,240	102	...
Netherlands	14,974	46	2,629	76	1,456	469	10,298
New Zealand	9,525	136	5,815	560	2,485	263	266
Norway	26,039	136	18,518	1,434	3,114	2,568	270
Peru	...	...	...	...	...	...	...
Philippines	1,037	796	43	192	3	3	...
Poland	5,881	499	4,446	85	761	81	10
Portugal	1,245	6	444	36	740	20	...
Romania	1,393	119	1,155	1	105	3	11
Russia	15,070	3,252	7,374	2,510	715	203	1,015
Saudi Arabia	1,273	148	866	3	156	99	...
Singapore	116,115	8,507	82,560	6,769	7,639	6,523	4,117
Slovakia	3,195	120	3,075	...	...	...	...
Slovenia	60	...	50	6	5	0	...
South Africa	9,530	1,817	5,457	289	1,755	134	78
Spain	8,021	149	6,693	171	385	68	554
Sweden	32,821	2,123	12,346	3,494	6,863	6,757	1,238
Switzerland	116,418	4,153	81,853	3,122	16,306	5,679	5,305
Taiwan, China	4,043	631	2,463	560	84	272	34
Thailand	4,106	1,997	1,166	416	150	133	244
Turkey	1,925	100	1,300	4	522	...	...
United Kingdom	899,460	117,314	302,091	155,527	219,225	29,394	75,909
United States	238,654	17,243	88,996	48,805	48,772	23,783	11,057
Total	2,249,540	261,002	1,070,340	265,913	416,298	111,719	124,267

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.11

Outright forward transactions by country and maturity in April 2007¹

Percentage share of country's total outright forward transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Argentina	13	83	4
Australia	65	34	1
Austria	30	70	1
Bahrain	55	44	1
Belgium	47	52	1
Brazil	27	71	1
Bulgaria	42	58	...
Canada	37	61	2
Chile	26	73	1
China	20	76	4
Colombia	14	77	8
Czech Republic	48	51	2
Denmark	27	72	1
Estonia	81	19	...
Finland	49	48	3
France	26	68	5
Germany	62	37	1
Greece	7	85	9
Hong Kong SAR	38	58	4
Hungary	26	74	...
India	29	70	2
Indonesia	40	60	...
Ireland	45	48	7
Israel	...	...	...
Italy	55	42	3
Japan	40	58	2
Korea	13	81	7
Latvia	73	26	1
Lithuania	12	88	...
Luxembourg	20	79	...
Malaysia	56	42	1
Mexico	20	78	2
Netherlands	36	61	3
New Zealand	79	20	1
Norway	37	60	3
Peru	22	78	...
Philippines	9	91	...
Poland	35	63	2
Portugal	57	43	...
Romania	68	32	...
Russia	15	82	3
Saudi Arabia	16	63	21
Singapore	22	74	4
Slovakia	...	...	...
Slovenia	21	79	...
South Africa	28	63	9
Spain	24	69	6
Sweden	36	61	4
Switzerland	23	76	1
Taiwan, China	22	75	3
Thailand	39	58	3
Turkey	75	25	...
United Kingdom	49	49	2
United States	44	55	1
Total	42	56	2

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Since data on the maturity breakdown were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.12

Foreign exchange swap transactions by country and maturity in April 2007¹

Percentage share of country's total foreign exchange swap transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Argentina	...	...	...
Australia	86	14	...
Austria	76	24	...
Bahrain	55	45	...
Belgium	87	13	...
Brazil	3	94	3
Bulgaria	83	17	...
Canada	75	25	...
Chile	18	78	4
China	49	51	1
Colombia	29	61	10
Czech Republic	77	19	4
Denmark	76	24	...
Estonia	84	16	...
Finland	77	23	1
France	70	28	2
Germany	70	28	1
Greece	53	47	...
Hong Kong SAR	74	25	1
Hungary	83	16	...
India	31	65	4
Indonesia	43	57	...
Ireland	29	38	33
Israel	85	15	...
Italy	79	20	1
Japan	78	21	1
Korea	34	59	8
Latvia	95	5	...
Lithuania	60	40	...
Luxembourg	64	31	5
Malaysia	65	34	1
Mexico	94	5	1
Netherlands	74	25	1
New Zealand	90	9	...
Norway	77	23	...
Peru	...	...	...
Philippines	45	55	...
Poland	89	10	...
Portugal	60	39	1
Romania	83	17	...
Russia	99	1	...
Saudi Arabia	48	46	6
Singapore	75	25	1
Slovakia	...	...	...
Slovenia	49	51	...
South Africa	86	11	3
Spain	77	15	7
Sweden	61	35	4
Switzerland	70	30	1
Taiwan, China	31	66	3
Thailand	50	48	1
Turkey	86	12	1
United Kingdom	82	17	1
United States	75	24	1
Total	77	22	1

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Since data on the maturity breakdown were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.13

Outright forward transactions by currency and maturity in April 2007¹

Percentage share of total outright forward transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Total transactions in			
US dollar	42	56	2
Euro	45	53	1
Yen	45	54	1
Pound sterling	43	55	1
Swiss franc	44	54	1
Canadian dollar	41	58	2
Australian dollar	46	53	1
Currencies of all other rep. countries	35	62	3
Other	38	61	1
US dollar against	...	...	...
Euro	47	52	1
Yen	47	52	1
Pound sterling	44	55	1
Swiss franc	45	55	0
Canadian dollar	41	57	2
Australian dollar	47	52	1
Currencies of all other rep. countries	34	63	3
Other	34	62	4
Euro against	...	...	...
Yen	41	58	1
Pound sterling	46	52	2
Swiss franc	48	49	3
Canadian dollar	43	55	2
Australian dollar	36	63	2
Currencies of all other rep. countries	39	59	2
Other	41	57	2
Total	43	55	2

¹ Adjusted for local and cross-border inter-dealer double-counting. Since data on the maturity breakdown were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally.

Table E.14

Foreign exchange swap transactions by currency and maturity in April 2007¹

Percentage share of total foreign exchange swap transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Total transactions in			
US dollar	79	20	1
Euro	74	25	1
Yen	77	22	1
Pound sterling	77	22	1
Swiss franc	79	20	1
Canadian dollar	78	21	1
Australian dollar	80	19	1
Currencies of all other rep. countries	75	23	2
Other	44	55	0
US dollar against			
Euro	78	22	1
Yen	79	20	1
Pound sterling	79	20	1
Swiss franc	84	16	0
Canadian dollar	79	20	1
Australian dollar	82	18	1
Currencies of all other rep. countries	72	27	2
Other	83	15	1
Euro against			
Yen	40	58	2
Pound sterling	53	44	4
Swiss franc	57	42	1
Canadian dollar	51	48	1
Australian dollar	45	54	2
Currencies of all other rep. countries	63	35	2
Other	69	29	2
Total	78	21	1

¹ Adjusted for local and cross-border inter-dealer double-counting. Since data on the maturity breakdown were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally.

Table E.15

Total foreign exchange turnover by country in April 1989-2007¹

Daily averages, in billions of US dollars

	Total						
	April 1989	April 1992	April 1995	April 1998	April 2001	April 2004 ²	April 2007
Argentina	...	...	...	2	...	1	1
Australia	29	29	40	47	52	102	170
Austria	...	4	13	10	8	13	18
Bahrain	3	3	3	2	3	3	3
Belgium	10	16	28	27	10	20	48
Brazil	...	...	...	5	5	3	5
Bulgaria	...	...	...	...	...	...	1
Canada	15	22	30	37	42	54	60
Chile	...	...	...	1	2	2	4
China	...	...	...	0	...	1	9
Colombia	...	...	...	...	0	1	2
Czech Republic	...	...	...	5	2	2	5
Denmark	13	27	31	27	23	41	86
Estonia	...	...	...	...	...	0	1
Finland	3	7	5	4	2	2	8
France	23	33	58	72	48	64	120
Germany	...	55	76	94	88	118	99
Greece	0	1	3	7	5	4	5
Hong Kong SAR	49	60	90	79	67	102	175
Hungary	...	...	...	1	1	3	7
India	...	...	...	2	3	7	34
Indonesia	...	...	...	2	4	2	3
Ireland	5	6	5	10	8	7	11
Israel	...	...	...	...	1	5	8
Italy	10	15	23	28	17	20	36
Japan	111	120	161	136	147	199	238
Korea	...	...	...	4	10	20	33
Latvia	...	...	...	...	...	2	3
Lithuania	...	...	...	...	...	1	1
Luxembourg	...	13	19	22	13	14	43
Malaysia	...	...	...	1	1	2	3
Mexico	...	...	...	9	9	15	15
Netherlands	13	20	26	41	30	49	24
New Zealand	...	4	7	7	4	7	12
Norway	4	5	8	9	13	14	32
Peru	...	...	...	...	0	0	1
Philippines	...	...	...	1	1	1	2
Poland	...	...	...	3	5	6	9
Portugal	1	1	2	4	2	2	3
Romania	...	...	...	...	...	...	3
Russia	...	...	...	7	10	30	50
Saudi Arabia	...	...	...	2	2	2	4
Singapore	55	74	105	139	101	125	231
Slovakia	...	...	...	...	1	2	3
Slovenia	...	...	...	...	0	0	0
South Africa	...	3	5	9	10	10	14
Spain	4	12	18	19	8	14	16
Sweden	13	21	20	15	24	31	42
Switzerland	56	66	86	82	71	79	242
Taiwan, China	...	...	...	5	4	8	15
Thailand	...	...	...	3	2	3	6
Turkey	...	...	...	...	1	3	3
United Kingdom	184	290	464	637	504	753	1,359
United States	115	167	244	351	254	461	664
Total	716	1,076	1,572	1,969	1,616	2,429	3,988

¹ Spot, outright forward and foreign exchange swap transactions. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Data for 2004 have been revised.

Table E.16

Spot foreign exchange turnover by country in April 1989-2007¹

Daily averages, in billions of US dollars

	Spot						
	April 1989	April 1992	April 1995	April 1998	April 2001	April 2004 ²	April 2007
Argentina	...	...	...	2	...	1	1
Australia	18	13	18	20	13	36	44
Austria	...	4	9	5	4	6	6
Bahrain	2	2	2	2	1	1	2
Belgium	5	5	6	7	3	6	15
Brazil	...	...	...	5	4	3	5
Bulgaria	...	...	...	...	...	...	0
Canada	6	8	12	11	11	18	14
Chile	...	...	...	1	2	2	2
China	...	...	...	0	...	1	8
Colombia	...	...	...	...	0	1	1
Czech Republic	...	...	...	2	1	1	1
Denmark	6	10	9	6	4	9	15
Estonia	...	...	...	...	...	0	0
Finland	2	...	3	1	1	1	1
France	15	18	25	19	9	13	25
Germany	...	30	34	42	26	36	25
Greece	0	1	2	3	2	1	1
Hong Kong SAR	30	32	35	31	19	36	38
Hungary	...	...	...	1	0	1	2
India	...	...	...	1	2	3	14
Indonesia	...	...	...	1	3	1	2
Ireland	4	5	3	5	4	5	4
Israel	...	...	...	...	1	3	4
Italy	8	11	13	12	5	9	11
Japan	46	48	55	57	37	53	101
Korea	...	...	...	3	6	10	17
Latvia	...	...	...	...	...	1	1
Lithuania	...	...	...	...	...	1	1
Luxembourg	...	6	8	8	4	3	13
Malaysia	...	...	...	0	0	1	2
Mexico	...	...	...	6	4	11	5
Netherlands	7	9	11	15	5	10	3
New Zealand	...	2	3	2	1	1	2
Norway	3	2	3	3	3	3	3
Peru	...	...	...	...	0	0	1
Philippines	...	...	...	0	0	0	1
Poland	...	...	...	2	2	2	2
Portugal	1	1	1	2	1	1	2
Romania	...	...	...	...	...	...	1
Russia	...	...	...	6	9	24	34
Saudi Arabia	...	...	...	1	1	1	3
Singapore	31	37	44	60	34	43	89
Slovakia	...	...	...	...	0	0	0
Slovenia	...	...	...	...	0	0	0
South Africa	...	2	2	4	2	2	3
Spain	3	6	7	6	3	4	6
Sweden	10	10	9	5	6	7	8
Switzerland	30	37	44	34	23	23	108
Taiwan, China	...	...	...	3	3	5	9
Thailand	...	...	...	1	1	1	1
Turkey	...	...	...	...	0	1	1
United Kingdom	119	148	186	217	151	223	335
United States	81	95	134	148	104	217	311
Total	428	541	680	762	519	840	1,305

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Data for 2004 have been revised.

Table E.17

Outright forward foreign exchange turnover by country in April 1989-2007¹

Daily averages, in billions of US dollars

	Outright forwards						
	April 1989 ²	April 1992	April 1995	April 1998	April 2001	April 2004 ³	April 2007
Argentina	...	...	...	0	...	...	0
Australia	1	1	1	2	3	6	14
Austria	...	0	0	1	0	1	2
Bahrain	...	...	0	0	1	1	1
Belgium	0	1	0	1	1	2	7
Brazil	...	...	...	...	1	0	0
Bulgaria	...	...	...	...	...	...	0
Canada	1	1	3	1	2	4	4
Chile	...	...	...	0	1	1	1
China	...	...	...	...	...	...	0
Colombia	...	...	...	...	0	0	0
Czech Republic	...	...	...	...	0	0	1
Denmark	1	2	2	1	1	2	10
Estonia	...	...	...	...	...	0	0
Finland	...	...	0	0	0	0	0
France	...	1	2	3	1	5	7
Germany	...	3	4	8	12	12	23
Greece	0	0	1	1	0	0	0
Hong Kong SAR	...	2	3	4	4	5	15
Hungary	...	...	...	0	0	0	0
India	...	...	...	0	0	1	6
Indonesia	...	...	...	0	0	0	1
Ireland	...	0	0	1	1	0	1
Israel	...	...	...	...	...	...	...
Italy	...	1	2	2	1	1	3
Japan	7	9	17	17	20	21	26
Korea	...	...	...	0	1	4	5
Latvia	...	...	...	...	...	0	0
Lithuania	...	...	...	...	...	0	0
Luxembourg	...	1	1	1	1	2	5
Malaysia	...	...	...	0	0	0	0
Mexico	...	...	...	0	0	1	0
Netherlands	0	2	3	6	3	4	6
New Zealand	...	0	0	0	0	1	1
Norway	...	0	0	0	0	0	2
Peru	...	...	...	...	0	0	0
Philippines	...	...	...	0	0	0	0
Poland	...	...	...	0	0	0	1
Portugal	...	0	0	0	0	0	1
Romania	...	...	...	...	...	...	0
Russia	...	...	...	1	0	1	1
Saudi Arabia	...	...	...	0	0	0	0
Singapore	2	3	3	4	8	11	25
Slovakia	...	...	...	...	0	0	0
Slovenia	...	...	...	...	0	0	0
South Africa	...	0	1	2	0	0	1
Spain	0	1	1	1	1	1	2
Sweden	...	2	1	1	1	1	2
Switzerland	3	6	8	5	6	7	17
Taiwan, China	...	...	...	1	0	1	2
Thailand	...	...	...	0	0	0	1
Turkey	...	...	...	...	0	0	1
United Kingdom	...	20	34	48	53	103	124
United States	6	14	28	37	36	61	114
Total	22	70	115	155	164	261	434

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Since data for April 1989 were only collected on a gross basis, data on a net basis have been calculated by adjusting gross data proportionally. ³ Data for 2004 have been revised.

Table E.18

Foreign exchange swap turnover by country in April 1989-2007¹

Daily averages, in billions of US dollars

	Foreign exchange swaps						
	April 1989 ²	April 1992	April 1995	April 1998	April 2001	April 2004 ³	April 2007
Argentina
Australia	10	15	21	25	35	61	111
Austria	...	1	4	5	3	7	10
Bahrain	1	0	1	0	1
Belgium	5	10	22	18	7	11	26
Brazil	0	0	0
Bulgaria	0
Canada	8	13	15	25	29	32	42
Chile	0	0
China	1
Colombia	0	0	0
Czech Republic	3	1	1	3
Denmark	5	14	20	20	18	30	61
Estonia	0	1
Finland	3	3	1	1	7
France	...	14	30	50	38	46	87
Germany	...	22	38	44	51	70	52
Greece	...	0	1	3	3	3	4
Hong Kong SAR	...	27	53	44	44	61	122
Hungary	0	0	2	4
India	1	1	2	13
Indonesia	1	0	1	1
Ireland	...	1	1	4	4	2	6
Israel	1	2	4
Italy	...	4	8	15	11	10	22
Japan	59	63	89	61	90	125	112
Korea	1	3	6	11
Latvia	1	2
Lithuania	0	0
Luxembourg	...	6	10	13	8	10	24
Malaysia	1	1	0	1
Mexico	2	4	3	10
Netherlands	5	9	12	20	21	36	15
New Zealand	...	2	4	5	3	5	10
Norway	...	3	4	6	9	11	26
Peru	0	0	...
Philippines	0	0	0	1
Poland	0	3	4	6
Portugal	...	0	1	2	1	1	1
Romania	1
Russia	0	...	5	15
Saudi Arabia	1	1	1	1
Singapore	21	33	58	75	58	72	116
Slovakia	0	1	3
Slovenia	0	0
South Africa	...	1	2	4	7	8	10
Spain	2	5	10	12	4	9	8
Sweden	...	10	11	10	17	22	33
Switzerland	22	23	34	42	41	49	116
Taiwan, China	1	1	2	4
Thailand	2	1	1	4
Turkey	0	2	2
United Kingdom	...	123	244	372	300	428	899
United States	29	59	83	166	114	183	239
Total	165	457	777	1,052	934	1,329	2,250

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Since data for April 1989 were only collected on a gross basis, data on a net basis have been calculated by adjusting gross data proportionally. ³ Data for 2004 have been revised.

Table E.19

A - Turnover in April 2007

2. OTC derivatives markets

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Total	Specified currency against all other currencies ²					
		US dollar	Euro	Yen	Pound sterling	Swiss franc	Canadian dollar
Outright forwards³	361,730	289,435	137,391	61,453	46,274	21,186	15,280
with reporting dealers	95,875	80,404	33,669	11,973	10,140	5,285	2,813
local	24,004	19,123	7,466	2,873	3,148	1,649	887
cross-border	71,870	61,281	26,202	9,100	6,992	3,635	1,926
with other financial institutions	158,862	129,173	61,432	28,388	22,334	8,762	7,470
local	70,438	55,873	27,995	12,966	10,333	3,471	4,056
cross-border	88,425	73,301	33,437	15,422	12,001	5,291	3,413
with non-financial customers	106,993	79,858	42,290	21,092	13,800	7,140	4,998
local	62,235	42,358	22,985	15,023	7,207	3,747	2,747
cross-border	44,758	37,500	19,305	6,070	6,593	3,392	2,250
Up to 7 days	154,162	122,379	62,307	27,583	20,120	9,382	6,197
Over 7 days and up to 1 year	200,408	161,096	73,169	32,951	25,533	11,538	8,836
Over 1 year	7,130	5,934	1,912	907	622	267	236
Foreign exchange swaps³	1,714,370	1,580,594	581,977	242,319	264,593	99,569	76,009
with reporting dealers	796,172	752,494	239,945	114,868	110,852	46,880	32,549
local	261,002	248,234	66,869	29,136	49,836	12,276	9,844
cross-border	535,170	504,260	173,076	85,731	61,016	34,604	22,705
with other financial institutions	682,212	633,051	245,347	90,513	112,807	37,095	33,627
local	265,913	244,585	97,181	25,765	53,903	13,414	13,400
cross-border	416,298	388,465	148,166	64,748	58,904	23,681	20,227
with non-financial customers	235,986	195,050	96,685	36,939	40,934	15,594	9,833
local	111,719	85,180	39,812	22,819	21,643	6,707	5,657
cross-border	124,267	109,870	56,873	14,120	19,292	8,887	4,176
Up to 7 days	1,328,912	1,243,794	431,613	185,837	202,598	79,017	59,020
Over 7 days and up to 1 year	364,641	318,316	145,160	54,156	58,905	20,039	15,930
Over 1 year	17,663	15,303	5,164	2,326	3,091	514	1,060
Currency swaps⁴	31,497	27,333	11,240	3,495	5,052	1,924	2,388
with reporting dealers	12,148	10,483	3,463	1,156	2,237	822	1,149
local	3,984	3,291	1,199	371	544	186	428
cross-border	8,164	7,193	2,263	784	1,693	637	721
with other financial institutions	12,932	10,964	6,181	1,788	1,474	530	678
local	4,155	3,584	1,952	318	493	46	114
cross-border	8,777	7,381	4,228	1,470	980	484	564
with non-financial customers	6,417	5,221	1,574	510	1,327	572	561
local	3,357	2,462	505	264	657	460	395
cross-border	3,061	2,759	1,069	246	670	112	167

For footnotes, see facing page.

Table E.20

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								
Australian dollar	Swedish krona	Brazilian real	Renminbi	Czech koruna	Danish krone	Hong Kong dollar	Forint	
20,463	8,543	5,259	4,572	1,432	2,841	6,022	1,357	Outright forwards³
5,333	1,721	1,317	2,800	435	616	2,562	504	with reporting dealers
1,483	374	318	507	36	135	1,142	26	local
3,850	1,347	999	2,293	399	481	1,420	478	cross-border
9,873	3,635	3,026	1,362	415	744	1,791	275	with other financial institutions
5,605	1,710	1,350	415	196	570	371	167	local
4,268	1,925	1,676	947	218	174	1,420	108	cross-border
5,257	3,187	916	411	583	1,481	1,669	578	with non-financial customers
3,281	1,946	465	198	489	1,356	1,410	319	local
1,975	1,241	450	212	94	125	259	259	cross-border
9,331	3,747	1,713	522	837	720	3,572	907	Up to 7 days
10,900	4,688	3,462	3,399	571	2,107	2,025	447	Over 7 days and up to 1 year
232	109	84	651	24	14	425	3	Over 1 year
131,998	59,478	274	1,078	3,789	18,772	63,895	4,349	Foreign exchange swaps³
65,754	24,438	60	336	2,425	11,651	44,685	2,341	with reporting dealers
23,095	7,641	18	233	407	3,956	14,876	390	local
42,659	16,797	42	103	2,017	7,696	29,809	1,951	cross-border
51,546	20,229	185	740	880	3,729	15,460	1,639	with other financial institutions
19,493	6,603	112	713	189	2,235	4,070	344	local
32,053	13,626	73	27	691	1,494	11,390	1,295	cross-border
14,698	14,811	29	1	485	3,392	3,750	369	with non-financial customers
10,815	7,231	18	1	290	2,473	773	220	local
3,883	7,579	11	...	195	919	2,978	150	cross-border
106,094	43,804	62	473	2,696	14,138	45,203	3,604	Up to 7 days
25,101	14,443	209	568	1,004	4,590	17,369	719	Over 7 days and up to 1 year
803	1,232	3	37	89	44	1,323	27	Over 1 year
1,824	1,070	307	133	40	182	420	11	Currency swaps⁴
754	264	16	15	13	46	94	1	with reporting dealers
142	55	6	1	2	31	19	0	local
613	209	10	14	11	15	76	1	cross-border
734	302	166	11	9	95	57	8	with other financial institutions
384	40	163	0	3	54	9	4	local
350	261	3	11	6	40	48	4	cross-border
329	504	124	7	18	41	10	2	with non-financial customers
190	226	97	...	7	27	9	2	local
140	278	27	7	11	14	0	0	cross-border

Note: This table and the subsequent Tables E.21 to E.27 include data on outright forwards and foreign exchange swaps which are also included in Tables E.1 to E.8 and E.16.

¹ Adjusted for local and cross-border 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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Due to incomplete reporting, the maturity breakdown does not always add to totals. ⁴ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.20 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies ²							
	Indian rupee	Rupiah	Won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Zloty
Outright forwards⁵	5,815	1,292	10,013	4,594	6,498	6,639	1,123	2,644
with reporting dealers	2,450	655	6,046	731	1,461	1,825	744	592
local	814	175	862	216	200	430	128	122
cross-border	1,636	480	5,184	515	1,261	1,395	616	469
with other financial institutions	1,365	339	2,810	2,460	2,523	2,591	264	786
local	494	141	899	1,076	1,301	1,069	109	326
cross-border	870	198	1,911	1,384	1,221	1,522	155	460
with non-financial customers	2,000	297	1,156	1,404	2,515	2,222	115	1,266
local	1,755	263	802	752	1,865	1,555	81	552
cross-border	245	34	354	652	650	667	34	715
Up to 7 days	1,549	341	1,461	1,958	2,489	3,596	249	1,147
Over 7 days and up to 1 year	4,037	945	8,199	2,563	3,904	2,909	860	1,456
Over 1 year	229	6	352	73	105	133	14	41
Foreign exchange swaps⁵	6,303	560	8,812	19,958	48,140	34,828	1,053	16,736
with reporting dealers	5,191	353	6,610	8,095	20,239	18,236	820	6,898
local	4,995	270	6,300	2,284	2,691	5,377	798	1,628
cross-border	197	83	310	5,811	17,548	12,859	22	5,270
with other financial institutions	742	131	1,541	10,542	16,867	12,293	230	7,890
local	625	124	1,498	3,580	3,962	4,166	227	4,546
cross-border	117	7	43	6,962	12,904	8,127	2	3,344
with non-financial customers	370	75	661	1,322	11,034	4,299	3	1,948
local	369	75	640	484	3,291	2,645	3	953
cross-border	1	0	21	837	7,743	1,653	0	995
Up to 7 days	2,179	306	2,524	16,720	37,862	30,246	463	13,823
Over 7 days and up to 1 year	3,961	254	5,548	2,438	9,934	4,484	589	2,396
Over 1 year	162	...	740	797	344	97	1	517
Currency swaps⁶	411	148	1,303	161	207	474	13	185
with reporting dealers	44	54	830	21	80	95	10	126
local	40	38	462	3	6	30	10	30
cross-border	4	16	368	18	74	65	1	96
with other financial institutions	22	25	274	132	64	378	3	43
local	19	17	115	33	25	310	2	9
cross-border	4	8	160	100	39	68	0	34
with non-financial customers	340	35	99	7	62	1	...	16
local	339	33	79	2	17	1	...	15
cross-border	1	2	20	5	45	...	...	1

For footnotes, see facing page.

Table E.20

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								
Rouble	Rand	Singapore dollar	New Taiwan dollar	Baht	Turkish lira	Currencies of other reporting countries ³	Residual currencies ⁴	
1,253	3,458	2,962	4,724	847	535	3,430	46,123	Outright forwards⁵
465	601	636	2,666	135	338	1,598	11,234	with reporting dealers
57	170	132	469	69	128	336	4,532	local
408	432	505	2,197	66	210	1,261	6,702	cross-border
453	1,910	1,373	1,221	141	98	1,097	19,615	with other financial institutions
297	586	553	390	26	64	647	7,819	local
156	1,324	820	831	114	34	450	11,796	cross-border
335	947	954	837	571	99	735	15,275	with non-financial customers
248	649	701	314	529	94	613	10,167	local
88	299	253	523	42	5	121	5,107	cross-border
215	1,362	1,117	1,151	356	336	921	20,760	Up to 7 days
1,002	2,032	1,809	3,487	469	174	2,425	23,821	Over 7 days and up to 1 year
36	64	36	87	22	25	76	1,541	Over 1 year
6,026	19,396	26,209	1,438	4,325	1,275	8,736	96,251	Foreign exchange swaps⁵
3,223	9,232	17,032	724	3,019	586	4,426	38,382	with reporting dealers
2,251	3,398	7,162	623	2,102	83	1,281	13,950	local
972	5,834	9,871	101	917	502	3,145	24,432	cross-border
2,023	8,458	7,447	469	895	667	3,654	43,727	with other financial institutions
1,809	4,227	2,559	467	461	40	924	20,604	local
214	4,231	4,888	2	434	627	2,730	23,123	cross-border
779	1,706	1,731	245	411	22	656	14,141	with non-financial customers
473	1,081	917	211	140	17	591	7,910	local
306	625	814	34	271	5	64	6,231	cross-border
5,843	16,499	21,317	141	2,337	1,031	5,062	83,516	Up to 7 days
169	2,581	4,755	1,207	1,948	218	1,907	10,387	Over 7 days and up to 1 year
13	316	137	89	40	26	110	922	Over 1 year
11	538	154	99	59	336	126	3,350	Currency swaps⁶
4	163	28	54	29	316	81	1,845	with reporting dealers
4	50	15	46	27	43	26	864	local
...	113	13	8	2	273	55	981	cross-border
7	372	26	5	3	19	32	1,462	with other financial institutions
7	72	8	4	3	10	31	482	local
...	300	19	1	0	9	1	980	cross-border
0	3	12	23	24	1	13	1,398	with non-financial customers
0	2	11	22	19	1	10	861	local
...	1	1	1	4	0	3	536	cross-border

Note: This table and the subsequent Tables E.21 to E.27 include data on outright forwards and foreign exchange swaps which are also included in Tables E.1 to E.8 and E.16.

¹ Adjusted for local and cross-border 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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Includes all participating countries currencies other than the ones listed. ⁴ Calculated as the difference between the total and the sum of the listed components. ⁵ Due to incomplete reporting, the maturity breakdown does not always add to totals. ⁶ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.20 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Total	Specified currency against all other currencies ²					
		US dollar	Euro	Yen	Pound sterling	Swiss franc	Canadian dollar
Options sold³	135,410	100,185	52,045	39,337	17,552	9,768	6,601
with reporting dealers	61,201	44,942	23,392	18,463	8,168	4,402	2,883
local	19,446	14,870	7,617	5,625	2,956	1,414	860
cross-border	41,755	30,071	15,775	12,838	5,213	2,988	2,023
with other financial institutions	45,768	33,076	17,068	13,269	5,848	3,030	2,449
local	14,708	9,977	5,817	4,942	2,448	889	724
cross-border	31,061	23,100	11,251	8,327	3,401	2,140	1,724
with non-financial customers	28,441	20,221	11,211	7,314	3,125	2,256	1,223
local	13,402	10,187	4,464	2,877	1,366	1,288	419
cross-border	15,039	10,034	6,747	4,437	1,760	968	803
Options bought³	137,976	103,374	51,711	39,677	19,146	10,748	6,813
with reporting dealers	62,257	46,476	23,022	19,190	8,478	4,416	3,097
local	20,809	15,549	7,892	6,237	2,903	1,582	1,032
cross-border	41,449	30,928	15,130	12,952	5,575	2,834	2,064
with other financial institutions	44,887	32,956	16,953	13,356	6,472	3,090	2,187
local	14,431	10,735	5,466	4,426	2,861	795	668
cross-border	30,457	22,221	11,487	8,929	3,611	2,295	1,519
with non-financial customers	30,832	21,833	11,270	6,828	3,644	3,152	1,495
local	14,159	10,148	4,874	3,118	1,408	1,491	467
cross-border	16,672	11,685	6,396	3,710	2,236	1,661	1,029
Total options	211,657	157,850	80,549	60,188	28,375	16,107	10,424
Other products	94	...	...	...	...	...	...
Total	2,319,348	2,055,212	811,156	367,456	344,295	138,786	104,102

For footnotes, see facing page.

Table E.20

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								
Australian dollar	Swedish krona	Brazilian real	Renminbi	Czech koruna	Danish krone	Hong Kong dollar	Forint	
8,801	1,720	1,094	179	134	32	2,971	175	Options sold³
4,838	754	478	90	64	7	467	83	with reporting dealers
1,419	311	126	6	5	4	147	0	local
3,419	443	352	84	59	3	320	83	cross-border
2,198	539	513	36	32	1	2,187	74	with other financial institutions
699	148	258	1	23	0	293	11	local
1,499	391	255	36	10	1	1,894	63	cross-border
1,411	427	103	43	37	24	94	18	with non-financial customers
530	248	42	29	14	19	26	9	local
881	180	61	14	24	4	67	9	cross-border
8,940	1,982	1,085	154	155	156	1,439	171	Options bought³
4,809	882	519	89	61	14	627	72	with reporting dealers
1,537	397	117	4	8	11	131	4	local
3,272	485	402	85	53	3	496	68	cross-border
2,217	633	516	15	35	32	386	46	with other financial institutions
747	237	286	3	20	30	97	8	local
1,470	397	230	12	15	1	289	38	cross-border
1,653	467	51	32	58	110	129	54	with non-financial customers
754	300	13	20	35	97	87	26	local
899	167	38	11	23	13	42	28	cross-border
12,917	2,885	1,681	244	226	177	3,863	269	Total options
...	...	...	...	...	...	...	...	Other products
167,203	71,976	7,521	6,026	5,488	21,972	74,201	5,986	Total

Note: This table and the subsequent Tables E.21 to E.27 include data on outright forwards and foreign exchange swaps which are also included in Tables E.1 to E.8 and E.16.

¹ Adjusted for local and cross-border 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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.20 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies ²							
	Indian rupee	Rupiah	Won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Zloty
Options sold⁵	1,269	161	2,168	2,495	1,578	2,449	29	662
with reporting dealers	502	99	505	639	541	1,196	19	350
local	322	38	82	182	206	347	3	89
cross-border	180	60	423	457	334	850	16	260
with other financial institutions	158	27	102	1,301	583	893	4	190
local	42	6	23	561	155	178	0	56
cross-border	115	21	79	740	428	715	4	134
with non-financial customers	474	33	1,318	555	455	360	4	122
local	461	22	1,300	209	299	163	2	92
cross-border	13	10	19	346	156	197	1	30
Options bought⁵	1,312	165	1,386	2,410	1,827	2,543	31	576
with reporting dealers	494	88	451	800	736	1,166	14	245
local	313	56	73	244	345	387	3	70
cross-border	181	31	378	556	390	779	12	175
with other financial institutions	120	21	68	1,002	608	912	4	154
local	30	16	7	300	192	196	1	55
cross-border	90	5	60	702	416	716	4	99
with non-financial customers	559	49	773	608	483	465	5	176
local	546	43	765	204	377	245	4	139
cross-border	12	6	8	404	106	220	1	37
Total options	2,083	233	3,075	4,185	2,768	3,811	43	940
Other products	...	...	...	...	...	...	...	...
Total	14,613	2,233	23,203	28,899	57,612	45,751	2,233	20,504

For footnotes, see facing page.

Table E.20

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies ²								Residual currencies ⁴	
Rouble	Rand	Singapore dollar	New Taiwan dollar	Baht	Turkish lira	Currencies of other reporting countries ³			
85	708	654	203	32	627	338	16,768	Options sold⁵	
53	297	404	116	14	368	140	8,130	with reporting dealers	
7	100	86	32	2	39	71	1,928	local	
46	197	318	84	12	330	70	6,201	cross-border	
6	270	123	31	6	154	87	7,281	with other financial institutions	
0	80	32	15	4	50	31	1,953	local	
6	191	91	16	2	104	56	5,329	cross-border	
26	140	97	26	12	104	111	5,537	with non-financial customers	
18	60	50	24	6	53	98	2,428	local	
8	80	47	2	6	51	12	3,110	cross-border	
48	813	710	268	39	621	409	17,243	Options bought⁵	
41	278	350	157	6	302	195	7,440	with reporting dealers	
...	94	81	35	4	46	69	2,393	local	
41	184	270	122	2	257	126	5,047	cross-border	
...	334	131	21	1	164	131	7,211	with other financial institutions	
...	114	18	6	...	38	30	1,479	local	
...	220	113	15	1	125	101	5,732	cross-border	
7	200	196	52	30	155	83	7,043	with non-financial customers	
5	91	120	51	26	83	74	2,707	local	
2	109	76	2	5	72	10	4,337	cross-border	
86	1,233	987	335	61	912	580	26,227	Total options	
...	...	...	...	...	...	...	189	Other products
7,375	24,625	30,312	6,596	5,293	3,059	12,871	172,139	Total	

Note: This table and the subsequent Tables E.21 to E.27 include data on outright forwards and foreign exchange swaps which are also included in Tables E.1 to E.8 and E.16.

¹ Adjusted for local and cross-border 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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Includes all participating countries currencies other than the ones listed. ⁴ Calculated as the difference between the total and the sum of the listed components. ⁵ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.20 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

	Total	Euro	Yen	Pound sterling	Swiss franc
Outright forwards⁴	289,435	90,559	42,435	30,199	12,268
with reporting dealers	80,404	23,635	8,013	6,635	3,234
local	19,123	4,606	1,693	2,255	952
cross-border	61,281	19,029	6,320	4,380	2,282
with other financial institutions	129,173	42,067	19,544	14,751	5,181
local	55,873	19,238	8,448	6,261	2,002
cross-border	73,301	22,829	11,095	8,490	3,178
with non-financial customers	79,858	24,857	14,878	8,813	3,853
local	42,358	10,911	10,018	3,812	1,686
cross-border	37,500	13,946	4,860	5,001	2,168
Up to 7 days	122,379	42,458	19,772	13,292	5,518
Over 7 days and up to 1 year	161,096	47,105	22,018	16,542	6,698
Over 1 year	5,934	997	632	364	53
Foreign exchange swaps⁴	1,580,594	484,774	214,530	228,365	81,464
with reporting dealers	752,494	207,959	107,520	100,694	41,907
local	248,234	58,409	27,016	46,560	10,857
cross-border	504,260	149,550	80,504	54,133	31,050
with other financial institutions	633,051	206,469	81,367	99,423	27,943
local	244,585	82,417	21,652	47,433	9,807
cross-border	388,465	124,053	59,715	51,990	18,135
with non-financial customers	195,050	70,346	25,643	28,249	11,614
local	85,180	23,905	15,453	14,294	4,566
cross-border	109,870	46,440	10,190	13,955	7,048
Up to 7 days	1,243,794	376,553	169,557	181,214	68,299
Over 7 days and up to 1 year	318,316	105,173	43,021	45,053	12,849
Over 1 year	15,303	3,048	1,951	2,098	316
Currency swaps⁵	27,333	8,139	2,843	3,632	1,158
with reporting dealers	10,483	2,480	950	1,670	615
local	3,291	862	276	352	117
cross-border	7,193	1,618	674	1,318	497
with other financial institutions	10,964	4,624	1,473	862	300
local	3,584	1,534	195	273	30
cross-border	7,381	3,089	1,279	589	270
with non-financial customers	5,221	1,018	384	1,086	243
local	2,462	181	161	488	154
cross-border	2,759	837	222	598	89

For footnotes, see facing page.

Table E.21

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
12,186	14,668	3,587	15,722	67,812	Outright forwards⁴
2,157	4,124	816	6,285	25,505	with reporting dealers
588	1,064	185	2,556	5,226	local
1,569	3,061	631	3,729	20,279	cross-border
5,903	7,047	1,659	3,767	29,256	with other financial institutions
3,037	3,983	766	2,738	9,399	local
2,866	3,064	893	1,030	19,856	cross-border
4,127	3,496	1,113	5,669	13,051	with non-financial customers
2,131	2,016	588	5,345	5,851	local
1,996	1,481	524	324	7,200	cross-border
5,034	6,846	1,373	5,172	22,915	Up to 7 days
6,953	7,684	2,174	10,027	41,896	Over 7 days and up to 1 year
189	138	41	518	3,002	Over 1 year
69,627	121,440	46,707	128,237	205,450	Foreign exchange swaps⁴
30,743	61,463	20,576	87,174	94,458	with reporting dealers
8,924	21,941	7,216	41,828	25,483	local
21,819	39,522	13,361	45,346	68,974	cross-border
31,293	48,535	16,645	33,787	87,588	with other financial institutions
12,514	17,715	4,812	13,964	34,272	local
18,779	30,821	11,833	19,823	53,316	cross-border
7,591	11,442	9,486	7,276	23,404	with non-financial customers
4,299	8,778	3,176	4,432	6,275	local
3,292	2,663	6,309	2,844	17,128	cross-border
55,019	99,147	35,709	88,290	170,007	Up to 7 days
13,611	21,569	10,136	35,862	31,042	Over 7 days and up to 1 year
997	724	863	2,477	2,829	Over 1 year
1,855	1,477	553	2,446	5,231	Currency swaps⁵
908	697	216	1,275	1,672	with reporting dealers
217	138	33	640	655	local
691	559	183	635	1,017	cross-border
553	564	127	640	1,821	with other financial institutions
92	264	30	588	578	local
462	300	96	52	1,243	cross-border
393	209	211	281	1,398	with non-financial customers
260	69	207	270	672	local
133	140	4	11	726	cross-border

¹ Adjusted for local and cross-border 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 Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete reporting, the maturity breakdown does not always add to totals. ⁵ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.21 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

	Total	Euro	Yen	Pound sterling	Swiss franc
Options sold⁴	100,185	27,792	24,627	12,134	3,759
with reporting dealers	44,942	12,926	12,103	5,765	1,656
local	14,870	4,114	3,719	2,318	498
cross-border	30,071	8,812	8,384	3,447	1,157
with other financial institutions	33,076	8,747	8,532	3,752	893
local	9,977	2,676	2,600	1,504	272
cross-border	23,100	6,070	5,932	2,248	621
with non-financial customers	20,221	5,840	3,790	2,211	1,130
local	10,187	2,627	2,045	879	665
cross-border	10,034	3,213	1,744	1,332	465
Options bought⁴	103,374	28,105	26,048	13,029	4,268
with reporting dealers	46,476	12,628	12,687	5,832	1,661
local	15,549	4,129	3,908	2,193	439
cross-border	30,928	8,499	8,779	3,639	1,222
with other financial institutions	32,956	9,227	9,102	4,146	1,044
local	10,735	2,988	2,637	1,834	343
cross-border	22,221	6,239	6,465	2,312	700
with non-financial customers	21,833	5,902	4,062	2,512	1,474
local	10,148	2,664	2,115	891	779
cross-border	11,685	3,238	1,947	1,621	695
Total options	157,850	43,120	38,280	19,364	6,369
Other products	...	...	...	...	...
Total	2,055,212	626,591	298,088	281,560	101,258

For footnotes, see facing page.

Table E.21

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
5,848	6,049	164	2,145	17,668	Options sold⁴
2,525	3,324	46	1,007	5,590	with reporting dealers
762	943	17	514	1,985	local
1,763	2,381	29	493	3,604	cross-border
2,215	1,385	53	184	7,315	with other financial institutions
654	501	27	99	1,643	local
1,561	884	26	85	5,672	cross-border
1,061	987	64	741	4,398	with non-financial customers
375	350	41	700	2,505	local
686	637	23	41	1,893	cross-border
6,126	6,349	298	2,350	16,801	Options bought⁴
2,786	3,406	87	897	6,492	with reporting dealers
964	1,017	31	537	2,330	local
1,822	2,389	55	361	4,162	cross-border
2,016	1,632	175	184	5,430	with other financial institutions
621	620	43	68	1,582	local
1,396	1,012	132	116	3,848	cross-border
1,289	1,050	36	1,028	4,480	with non-financial customers
394	405	25	973	1,902	local
895	645	11	55	2,578	cross-border
9,318	9,033	395	3,543	28,428	Total options
...	...	...	...	...	Other products
92,986	146,618	51,242	149,948	306,921	Total

¹ Adjusted for local and cross-border 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 Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.21 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

	Total	US dollar	Yen	Pound sterling	Swiss franc
Outright forwards⁴	137,391	90,559	11,894	9,399	6,269
with reporting dealers	33,669	23,635	2,380	1,894	1,529
local	7,466	4,606	605	522	469
cross-border	26,202	19,029	1,775	1,371	1,060
with other financial institutions	61,432	42,067	5,588	4,459	2,394
local	27,995	19,238	2,713	2,331	851
cross-border	33,437	22,829	2,875	2,129	1,543
with non-financial customers	42,290	24,857	3,926	3,047	2,346
local	22,985	10,911	3,048	1,939	1,413
cross-border	19,305	13,946	877	1,108	933
Up to 7 days	62,307	42,458	4,843	4,280	3,000
Over 7 days and up to 1 year	73,169	47,105	6,887	4,926	3,082
Over 1 year	1,912	997	165	194	187
Foreign exchange swaps⁴	581,977	484,774	14,203	24,972	14,699
with reporting dealers	239,945	207,959	4,613	7,161	3,734
local	66,869	58,409	904	2,097	939
cross-border	173,076	149,550	3,709	5,064	2,795
with other financial institutions	245,347	206,469	5,336	10,072	8,259
local	97,181	82,417	1,494	4,214	3,116
cross-border	148,166	124,053	3,842	5,859	5,142
with non-financial customers	96,685	70,346	4,254	7,738	2,706
local	39,812	23,905	2,593	3,985	1,261
cross-border	56,873	46,440	1,660	3,754	1,445
Up to 7 days	431,613	376,553	5,701	13,230	8,380
Over 7 days and up to 1 year	145,160	105,173	8,275	10,865	6,143
Over 1 year	5,164	3,048	227	877	176
Currency swaps⁵	11,240	8,139	391	1,214	316
with reporting dealers	3,463	2,480	121	492	112
local	1,199	862	58	179	4
cross-border	2,263	1,618	63	313	108
with other financial institutions	6,181	4,624	250	567	173
local	1,952	1,534	80	182	10
cross-border	4,228	3,089	170	386	163
with non-financial customers	1,574	1,018	15	154	31
local	505	181	5	127	18
cross-border	1,069	837	9	27	14

For footnotes, see facing page.

Table E.22

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
1,350	1,843	3,454	2,177	10,446	Outright forwards⁴
191	234	561	467	2,778	with reporting dealers
83	51	133	145	851	local
108	183	427	322	1,927	cross-border
723	956	1,417	372	3,456	with other financial institutions
395	499	584	240	1,144	local
328	457	834	131	2,313	cross-border
436	652	1,475	1,339	4,211	with non-financial customers
310	453	909	1,244	2,757	local
126	199	567	95	1,454	cross-border
581	654	1,709	483	4,299	Up to 7 days
744	1,156	1,711	1,612	5,946	Over 7 days and up to 1 year
25	32	34	78	200	Over 1 year
2,856	2,485	8,763	7,549	21,677	Foreign exchange swaps⁴
611	711	2,863	3,552	8,742	with reporting dealers
350	359	152	860	2,798	local
261	352	2,711	2,692	5,944	cross-border
1,477	1,007	2,422	1,973	8,330	with other financial institutions
298	561	1,195	1,516	2,370	local
1,179	446	1,227	457	5,960	cross-border
768	767	3,478	2,024	4,604	with non-financial customers
449	506	2,602	1,782	2,728	local
320	261	876	242	1,876	cross-border
1,454	1,108	5,676	4,618	14,893	Up to 7 days
1,363	1,338	2,807	2,854	6,342	Over 7 days and up to 1 year
39	39	280	27	451	Over 1 year
125	222	206	162	465	Currency swaps⁵
24	36	3	40	155	with reporting dealers
...	...	1	28	67	local
24	36	2	12	88	cross-border
68	85	111	75	226	with other financial institutions
2	67	2	59	15	local
66	18	110	16	211	cross-border
33	101	92	47	83	with non-financial customers
...	101	19	47	7	local
33	...	72	...	77	cross-border

¹ Adjusted for local and cross-border 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 Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete reporting, the maturity breakdown does not always add to totals. ⁵ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.22 (cont)

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

	Total	US dollar	Yen	Pound sterling	Swiss franc
Options sold⁴	52,045	27,792	10,833	2,471	4,722
with reporting dealers	23,392	12,926	4,316	1,138	2,149
local	7,617	4,114	1,396	329	752
cross-border	15,775	8,812	2,920	808	1,397
with other financial institutions	17,068	8,747	3,442	1,002	1,760
local	5,817	2,676	1,737	302	436
cross-border	11,251	6,070	1,705	700	1,324
with non-financial customers	11,211	5,840	2,986	326	813
local	4,464	2,627	507	138	441
cross-border	6,747	3,213	2,479	188	372
Options bought⁴	51,711	28,105	9,376	2,800	5,054
with reporting dealers	23,022	12,628	4,289	1,149	2,045
local	7,892	4,129	1,542	317	850
cross-border	15,130	8,499	2,747	832	1,196
with other financial institutions	16,953	9,227	2,870	1,222	1,743
local	5,466	2,988	1,193	417	356
cross-border	11,487	6,239	1,677	805	1,387
with non-financial customers	11,270	5,902	2,112	416	1,266
local	4,874	2,664	591	159	481
cross-border	6,396	3,238	1,520	258	784
Total options	80,549	43,120	15,907	4,127	7,679
Other products	...	...	...	...	...
Total	811,156	626,591	42,396	39,712	28,963

For footnotes, see facing page.

Table E.22

OTC foreign exchange derivatives turnover by instrument, counterparty and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
236	470	1,304	306	3,910	Options sold⁴
111	239	559	146	1,809	with reporting dealers
30	63	248	39	646	local
81	176	311	107	1,162	cross-border
95	152	426	32	1,412	with other financial institutions
50	35	112	3	466	local
45	116	314	29	947	cross-border
30	80	319	128	689	with non-financial customers
7	53	193	125	373	local
23	27	127	3	315	cross-border
204	463	1,368	436	3,905	Options bought⁴
74	207	629	136	1,865	with reporting dealers
8	69	321	24	632	local
65	138	308	113	1,233	cross-border
66	122	385	53	1,266	with other financial institutions
19	28	179	35	252	local
47	94	206	19	1,014	cross-border
64	134	354	247	775	with non-financial customers
29	87	242	240	381	local
36	47	112	7	394	cross-border
348	710	2,079	601	5,978	Total options
...	...	...	...	...	Other products
4,679	5,260	14,501	10,489	38,565	Total

¹ Adjusted for local and cross-border 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 Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components. ⁴ Due to incomplete counterparty breakdown, components do not always add to totals.

Table E.22 (cont)

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Daily averages, in millions of US dollars

	Total	Specified currency against all other currencies ²				
		US dollar	Euro	Yen	Pound sterling	Swiss franc
Argentina	18	17	1	...	...	...
Australia	131,983	125,327	19,047	10,453	7,940	5,998
Austria	13,272	10,200	7,621	1,544	833	2,582
Bahrain	1,623	1,544	476	221	220	38
Belgium	35,444	31,918	21,252	2,280	4,369	1,312
Brazil	685	627	82	61	0	2
Bulgaria	188	152	180	1	10	8
Canada	50,375	47,991	5,383	2,365	3,646	1,216
Chile	1,967	1,963	53	43	3	0
China	943	943	0	...	...	...
Colombia	565	559	14	7	0	0
Czech Republic	3,631	2,927	924	22	39	30
Denmark	73,080	57,076	30,376	1,884	2,555	7,017
Estonia	1,066	163	1,033	0	10	1
Finland	7,674	3,124	6,842	276	714	536
France	101,724	92,447	49,729	14,747	12,084	9,602
Germany	76,868	62,997	47,502	9,487	7,941	9,272
Greece	3,988	2,769	2,787	905	518	590
Hong Kong SAR	143,038	139,969	15,264	10,268	9,059	2,180
Hungary	4,658	4,145	1,292	85	60	494
India	24,015	22,941	2,004	7,643	1,598	1,629
Indonesia	1,357	1,227	103	125	6	1
Ireland	7,487	6,005	3,016	408	2,042	618
Israel	4,812	4,664	68	2	4	12
Italy	26,299	23,773	21,018	2,273	2,910	856
Japan	149,308	129,571	24,925	104,096	8,985	1,737
Korea	17,819	17,402	1,023	1,155	270	14
Latvia	1,760	1,470	1,231	151	255	63
Lithuania	300	152	275	0	6	4
Luxembourg	30,534	27,294	20,626	2,894	3,613	2,262
Malaysia	1,812	1,765	116	58	43	3
Mexico	10,795	10,629	187	0	0	...
Netherlands	21,728	16,413	9,618	2,361	3,857	2,834
New Zealand	10,825	10,332	999	432	368	145
Norway	28,621	25,715	5,317	735	1,041	308
Peru	214	214	17	0	...	...
Philippines	1,256	1,249	26	19	10	1
Poland	6,820	5,878	1,483	29	284	439
Portugal	2,754	1,815	1,574	297	429	265
Romania	1,508	538	1,470	0	17	33
Russia	16,190	15,653	6,248	1,394	1,682	326
Saudi Arabia	1,770	1,654	390	122	381	76
Singapore	152,543	144,529	31,398	38,320	14,128	5,022
Slovakia	3,246	3,096	144	...	...	...
Slovenia	152	77	116	6	8	43
South Africa	10,568	10,204	1,245	353	603	79
Spain	10,942	10,147	7,139	868	1,978	138
Sweden	36,137	25,826	16,171	745	1,363	1,830
Switzerland	145,190	126,635	60,482	16,873	25,093	33,292
Taiwan, China	6,725	6,375	821	1,979	468	142
Thailand	4,931	4,670	431	680	58	6
Turkey	3,311	2,948	1,071	34	225	62
United Kingdom	1,147,770	1,040,806	455,897	161,221	243,324	63,826
United States	433,867	369,920	141,643	76,044	54,340	23,625
Total	2,976,154	2,658,444	1,028,150	475,966	419,390	180,574

For footnotes, see facing page.

Table E.23

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Daily averages, in millions of US dollars

Specified currency against all other currencies ²					
Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ³	Residual currencies ⁴	
...	...	...	18	0	Argentina
2,772	72,753	324	18,445	906	Australia
234	174	84	3,014	258	Austria
16	26	6	393	307	Bahrain
251	1,262	439	6,082	1,722	Belgium
0	9	0	585	2	Brazil
...	...	...	24	0	Bulgaria
35,221	1,779	460	1,580	1,109	Canada
4	...	...	1,868	0	Chile
...	...	...	943	0	China
...	...	...	551	0	Colombia
0	2	12	3,291	14	Czech Republic
336	519	15,193	30,849	355	Denmark
8	2	8	908	0	Estonia
154	33	495	3,104	71	Finland
4,364	4,858	2,650	11,617	1,349	France
919	1,409	920	6,936	6,353	Germany
65	78	23	224	17	Greece
1,601	12,462	...	86,174	9,099	Hong Kong SAR
18	3	5	3,209	3	Hungary
13	25	27	10,257	1,893	India
0	4	0	1,247	0	Indonesia
1,663	261	337	414	210	Ireland
3	...	...	3,239	1,633	Israel
74	94	87	1,345	166	Italy
3,568	11,133	537	14,055	8	Japan
77	127	4	15,556	10	Korea
23	11	12	284	21	Latvia
0	...	1	161	0	Lithuania
384	1,348	601	1,980	66	Luxembourg
2	44	2	1,588	4	Malaysia
...	...	...	10,773	...	Mexico
425	448	621	3,645	3,234	Netherlands
107	2,675	2	6,588	1	New Zealand
148	2,673	1,984	19,299	20	Norway
0	...	...	197	0	Peru
1	3	0	1,205	0	Philippines
2	2	13	5,508	2	Poland
65	25	35	275	729	Portugal
...	0	4	955	...	Romania
89	51	3	6,844	90	Russia
4	2	3	723	185	Saudi Arabia
4,672	13,329	547	53,038	103	Singapore
...	...	...	3,246	7	Slovakia
2	1	0	1	49	Slovenia
19	55	26	8,452	100	South Africa
53	82	66	1,402	13	Spain
228	211	21,469	4,205	225	Sweden
3,794	5,513	2,878	13,861	1,958	Switzerland
134	296	4	3,231	1	Taiwan, China
3	28	28	3,959	0	Thailand
1	1	2	2,276	3	Turkey
33,397	60,114	34,644	103,471	98,841	United Kingdom
36,587	23,747	6,234	58,136	77,458	United States
131,497	217,670	90,793	541,229	208,594	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ³ Includes all participating countries currencies other than the ones listed. ⁴ Difference between the total and the sum of the listed components.

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

	Total	Euro	Yen	Pound sterling	Swiss franc
Argentina	17	...	...	...	...
Australia	125,327	16,890	8,221	6,250	5,575
Austria	10,200	4,606	1,181	599	1,149
Bahrain	1,544	429	202	192	29
Belgium	31,918	19,178	1,336	3,203	815
Brazil	627	45	43	0	1
Bulgaria	152	144	0	1	...
Canada	47,991	4,529	2,045	3,108	1,056
Chile	1,963	49	43	3	0
China	943	0	...	...	...
Colombia	559	10	5	0	0
Czech Republic	2,927	273	15	34	9
Denmark	57,076	16,292	1,567	1,314	5,480
Estonia	163	130	0	2	1
Finland	3,124	2,312	185	71	122
France	92,447	41,253	11,481	8,037	8,488
Germany	62,997	35,297	6,846	5,264	6,770
Greece	2,769	1,578	89	301	552
Hong Kong SAR	139,969	14,739	9,809	8,993	2,180
Hungary	4,145	830	70	54	255
India	22,941	1,452	7,388	1,498	1,209
Indonesia	1,227	39	64	5	1
Ireland	6,005	1,639	269	1,381	159
Israel	4,664	...	...	...	...
Italy	23,773	18,587	1,276	1,840	653
Japan	129,571	14,806	86,816	4,834	925
Korea	17,402	813	999	241	14
Latvia	1,470	987	62	203	36
Lithuania	152	128	0	1	4
Luxembourg	27,294	17,812	1,866	2,949	1,516
Malaysia	1,765	90	45	39	3
Mexico	10,629	22	0	...	...
Netherlands	16,413	6,831	1,300	1,808	2,289
New Zealand	10,332	887	295	296	132
Norway	25,715	3,446	441	601	150
Peru	214	17	0	...	...
Philippines	1,249	21	17	9	1
Poland	5,878	597	26	250	342
Portugal	1,815	993	108	249	195
Romania	538	501	0	1	10
Russia	15,653	5,760	1,316	1,593	322
Saudi Arabia	1,654	339	96	367	29
Singapore	144,529	27,750	32,655	12,565	4,186
Slovakia	3,096	...	...	...	...
Slovenia	77	44	0	3	0
South Africa	10,204	1,055	317	466	69
Spain	10,147	6,354	793	1,590	95
Sweden	25,826	7,939	475	561	1,630
Switzerland	126,635	45,495	11,585	21,279	25,017
Taiwan, China	6,375	561	1,695	432	131
Thailand	4,670	366	506	39	5
Turkey	2,948	711	25	144	10
United Kingdom	1,040,806	374,389	132,866	202,474	44,375
United States	369,920	106,431	67,726	49,793	20,289
Total	2,658,444	805,444	394,167	344,935	136,277

For footnotes, see facing page.

Table E.24

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

US dollar against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Local currency	Residual currencies ²	
...	...	...	17	...	Argentina
2,393	68,259	250	...	17,490	Australia
178	162	74	...	2,251	Austria
14	23	4	29	622	Bahrain
155	942	176	...	6,113	Belgium
0	9	0	506	22	Brazil
...	...	...	7	0	Bulgaria
33,097	1,615	438	...	2,103	Canada
3	...	...	1,851	13	Chile
...	...	...	943	...	China
...	...	...	545	0	Colombia
0	2	4	2,172	417	Czech Republic
183	404	10,767	12,009	9,061	Denmark
6	2	0	19	4	Estonia
120	6	77	...	232	Finland
4,101	4,624	2,434	...	12,030	France
769	1,092	...	...	6,961	Germany
33	36	9	...	171	Greece
1,601	12,462	...	67,090	23,094	Hong Kong SAR
18	2	5	2,858	52	Hungary
13	23	26	9,652	1,680	India
0	2	0	935	180	Indonesia
1,650	209	266	...	430	Ireland
...	...	...	3,091	1,573	Israel
51	60	51	...	1,256	Italy
2,470	7,858	166	...	11,695	Japan
76	116	4	14,949	191	Korea
11	4	6	65	97	Latvia
...	...	0	16	4	Lithuania
327	1,204	354	...	1,266	Luxembourg
2	41	0	1,505	40	Malaysia
...	...	...	10,600	7	Mexico
148	237	543	...	3,258	Netherlands
97	2,482	1	6,126	16	New Zealand
100	2,630	1,636	15,624	1,088	Norway
0	...	...	197	0	Peru
1	2	0	1,196	2	Philippines
2	2	11	4,494	155	Poland
44	10	2	...	215	Portugal
...	0	2	24	0	Romania
81	35	3	6,461	82	Russia
4	1	3	651	165	Saudi Arabia
3,824	11,605	488	17,251	34,206	Singapore
...	...	...	3,096	...	Slovakia
0	0	0	...	29	Slovenia
16	52	22	8,056	151	South Africa
49	63	28	...	1,174	Spain
151	131	12,672	...	2,267	Sweden
3,199	4,451	2,515	...	13,094	Switzerland
128	270	4	2,338	817	Taiwan, China
2	22	27	3,681	21	Thailand
0	1	0	2,032	24	Turkey
28,120	48,428	27,762	...	182,394	United Kingdom
35,625	22,568	4,629	...	62,860	United States
118,858	192,144	65,459	200,085	401,075	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components.

Table E.24 (cont)

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

	Total	US dollar	Yen	Pound sterling	Swiss franc
Argentina	1	...	...	...	...
Australia	19,047	16,890	286	194	102
Austria	7,621	4,606	354	204	1,386
Bahrain	476	429	6	3	2
Belgium	21,252	19,178	381	771	206
Brazil	82	45	...	...	...
Bulgaria	180	144	1	9	8
Canada	5,383	4,529	62	12	17
Chile	53	49	0	...	...
China	0	0	...	...	...
Colombia	14	10	...	...	...
Czech Republic	924	273	5	0	1
Denmark	30,376	16,292	169	842	1,123
Estonia	1,033	130	0	8	...
Finland	6,842	2,312	78	579	407
France	49,729	41,253	2,505	3,135	937
Germany	47,502	35,297	2,641	2,677	2,503
Greece	2,787	1,578	814	216	38
Hong Kong SAR	15,264	14,739	459	66	...
Hungary	1,292	830	15	1	197
India	2,004	1,452	221	40	5
Indonesia	103	39	0	...	...
Ireland	3,016	1,639	90	605	430
Israel	68	...	...	...	...
Italy	21,018	18,587	921	1,023	191
Japan	24,925	14,806	8,539	892	139
Korea	1,023	813	4	20	...
Latvia	1,231	987	59	19	11
Lithuania	275	128	0	5	0
Luxembourg	20,626	17,812	787	611	692
Malaysia	116	90	1	1	1
Mexico	187	22	...	...	...
Netherlands	9,618	6,831	297	590	288
New Zealand	999	887	17	10	7
Norway	5,317	3,446	86	89	26
Peru	17	17	...	...	...
Philippines	26	21	1	0	...
Poland	1,483	597	0	13	66
Portugal	1,574	993	189	181	70
Romania	1,470	501	...	15	22
Russia	6,248	5,760	77	89	4
Saudi Arabia	390	339	6	0	2
Singapore	31,398	27,750	2,626	215	103
Slovakia	144	...	...	...	...
Slovenia	116	44	5	4	43
South Africa	1,245	1,055	1	38	1
Spain	7,139	6,354	70	384	40
Sweden	16,171	7,939	107	317	79
Switzerland	60,482	45,495	4,115	1,926	6,582
Taiwan, China	821	561	220	9	1
Thailand	431	366	8	...	0
Turkey	1,071	711	6	79	1
United Kingdom	455,897	374,389	16,230	26,839	15,153
United States	141,643	106,431	8,318	4,548	3,336
Total	1,028,150	805,444	50,776	47,280	34,222

For footnotes, see facing page.

Table E.25

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Euro against:

Daily averages, in millions of US dollars

Canadian dollar	Australian dollar	Swedish krona	Local currency	Residual currencies ²	
...	...	...	1	...	Argentina
22	1,335	27	...	191	Australia
38	10	9	...	1,014	Austria
0	1	2	0	31	Bahrain
67	13	114	...	521	Belgium
...	...	...	37	0	Brazil
...	...	...	18	0	Bulgaria
702	0	11	...	49	Canada
...	...	...	4	0	Chile
...	...	...	...	...	China
...	...	...	4	0	Colombia
...	0	7	573	65	Czech Republic
73	38	3,870	6,954	1,016	Denmark
2	...	8	678	207	Estonia
15	20	354	...	3,077	Finland
206	149	144	...	1,401	France
151	317	...	...	3,917	Germany
30	38	9	...	65	Greece
...	...	...	...	0	Hong Kong SAR
...	...	...	238	12	Hungary
...	1	...	88	198	India
...	...	...	28	36	Indonesia
10	32	16	...	195	Ireland
...	...	...	68	...	Israel
19	28	28	...	223	Italy
55	253	46	...	194	Japan
...	8	...	179	0	Korea
9	0	6	93	46	Latvia
...	...	1	141	0	Lithuania
48	57	136	...	483	Luxembourg
...	...	...	22	...	Malaysia
...	...	...	164	...	Mexico
17	90	20	...	1,484	Netherlands
...	3	1	73	0	New Zealand
1	3	109	1,534	23	Norway
...	...	...	...	...	Peru
...	0	...	4	0	Philippines
...	...	1	787	18	Poland
21	14	33	...	72	Portugal
...	...	1	930	0	Romania
8	16	...	289	4	Russia
0	0	...	2	40	Saudi Arabia
32	163	32	104	373	Singapore
...	...	...	144	...	Slovakia
1	0	0	...	20	Slovenia
...	...	2	148	1	South Africa
3	9	33	...	247	Spain
19	4	7,112	...	593	Sweden
116	197	245	...	1,806	Switzerland
1	4	...	24	0	Taiwan, China
...	0	...	57	0	Thailand
0	0	2	239	33	Turkey
2,516	2,003	3,965	...	14,801	United Kingdom
962	1,179	1,605	...	15,265	United States
5,144	5,989	17,950	13,625	47,721	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components.

Table E.25 (cont)

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Local currency against:

Daily averages, in millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Argentina	18	17	1	...	...
Australia	72,753	68,259	1,335	1,144	778
Austria	7,621	4,606	...	354	204
Bahrain	32	29	0	1	0
Belgium	21,252	19,178	...	381	771
Brazil	562	506	37	18	0
Bulgaria	24	7	18	...	...
Canada	35,221	33,097	702	248	474
Chile	1,855	1,851	4	...	0
China	943	943	...	...	...
Colombia	551	545	4	2	...
Czech Republic	2,798	2,172	573	2	5
Denmark	20,288	12,009	6,954	88	232
Estonia	697	19	678	...	0
Finland	6,842	2,312	...	78	579
France	49,729	41,253	...	2,505	3,135
Germany	47,502	35,297	...	2,641	2,677
Greece	2,787	1,578	...	814	216
Hong Kong SAR	67,461	67,090	...	...	...
Hungary	3,144	2,858	238	...	4
India	10,257	9,652	88	35	60
Indonesia	1,029	935	28	52	1
Ireland	3,016	1,639	...	90	605
Israel	3,239	3,091	68	2	4
Italy	21,018	18,587	...	921	1,023
Japan	104,096	86,816	8,539	...	2,842
Korea	15,331	14,949	179	150	9
Latvia	158	65	93	...	0
Lithuania	157	16	141	0	0
Luxembourg	20,626	17,812	...	787	611
Malaysia	1,548	1,505	22	11	3
Mexico	10,765	10,600	164	...	0
Netherlands	9,618	6,831	...	297	590
New Zealand	6,572	6,126	73	119	59
Norway	18,113	15,624	1,534	189	276
Peru	197	197	...	...	...
Philippines	1,202	1,196	4	1	0
Poland	5,337	4,494	787	2	20
Portugal	1,574	993	...	189	181
Romania	954	24	930	...	...
Russia	6,750	6,461	289	...	...
Saudi Arabia	653	651	2	0	...
Singapore	17,599	17,251	104	115	27
Slovakia	3,246	3,096	144	...	...
Slovenia	116	44	...	5	4
South Africa	8,369	8,056	148	33	97
Spain	7,139	6,354	...	70	384
Sweden	21,469	12,672	7,112	121	435
Switzerland	33,292	25,017	6,582	488	644
Taiwan, China	2,399	2,338	24	27	0
Thailand	3,935	3,681	57	166	19
Turkey	2,273	2,032	239	1	0
United Kingdom	243,324	202,474	26,839	6,405	...
United States	369,920	...	106,431	67,726	49,793
Total	1,297,372	784,903	171,166	86,279	66,761

For footnotes, see facing page.

Table E.26

OTC foreign exchange derivatives turnover by country and currency in April 2007¹

Local currency against:

Daily averages, in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Swedish krona	Residual currencies ²	
...	...	...	...	0	Argentina
154	203	...	29	851	Australia
1,386	38	10	9	1,014	Austria
2	...	...	...	0	Bahrain
206	67	13	114	521	Belgium
1	...	0	0	0	Brazil
...	...	...	...	0	Bulgaria
140	...	157	11	392	Canada
...	0	...	...	0	Chile
...	...	...	...	...	China
...	...	...	...	0	Colombia
21	...	0	1	25	Czech Republic
339	44	44	248	329	Denmark
...	0	...	0	0	Estonia
407	15	20	354	3,077	Finland
937	206	149	144	1,401	France
2,503	151	317	...	3,917	Germany
38	30	38	9	65	Greece
...	...	...	...	370	Hong Kong SAR
40	...	...	0	3	Hungary
414	1	1	1	5	India
0	...	2	...	11	Indonesia
430	10	32	16	195	Ireland
12	3	...	...	59	Israel
191	19	28	28	223	Italy
426	882	2,614	236	1,741	Japan
0	1	2	0	41	Korea
0	...	...	0	0	Latvia
...	0	...	0	0	Lithuania
692	48	57	136	483	Luxembourg
0	0	2	0	5	Malaysia
...	...	...	...	1	Mexico
288	17	90	20	1,484	Netherlands
6	8	177	0	3	New Zealand
128	37	34	233	58	Norway
...	...	...	...	...	Peru
...	...	0	...	0	Philippines
32	...	...	1	1	Poland
70	21	14	33	72	Portugal
1	...	...	...	0	Romania
...	...	...	0	0	Russia
0	...	...	...	0	Saudi Arabia
6	5	57	2	32	Singapore
...	...	...	...	7	Slovakia
43	1	0	0	20	Slovenia
8	0	1	1	24	South Africa
40	3	9	33	247	Spain
107	45	69	...	909	Sweden
...	134	108	54	265	Switzerland
0	1	0	0	7	Taiwan, China
1	1	6	1	3	Thailand
0	...	...	...	0	Turkey
2,365	895	1,185	780	2,382	United Kingdom
20,289	35,625	22,568	4,629	62,860	United States
31,723	38,510	27,806	7,125	83,100	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Calculated as the difference between the total and the sum of the listed components. Table E.26 (cont)

OTC foreign exchange derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Gross turnover ²	Net turnover ³				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Argentina	18	18	0	...	1	18
Australia	161,732	131,983	29,749	54,854	35,204	12,175
Austria	13,581	13,272	309	8,957	3,179	827
Bahrain	1,666	1,623	44	1,129	365	86
Belgium	35,863	35,444	419	25,709	6,742	2,573
Brazil	725	685	40	106	323	215
Bulgaria	199	188	11	108	51	18
Canada	56,603	50,375	6,229	21,534	17,916	4,697
Chile	2,312	1,967	345	838	661	122
China	1,197	943	255	...	688	...
Colombia	666	565	101	117	214	134
Czech Republic	3,829	3,631	199	2,600	538	293
Denmark	86,323	73,080	13,243	44,368	8,300	7,169
Estonia	1,069	1,066	3	984	57	22
Finland	7,926	7,674	252	5,551	128	1,743
France	107,558	101,631	5,829	62,003	25,884	7,915
Germany	83,466	76,868	6,598	48,918	14,956	6,396
Greece	4,013	3,988	25	2,966	193	804
Hong Kong SAR	158,133	143,038	15,095	95,471	23,642	8,830
Hungary	4,864	4,658	206	2,680	1,526	246
India	30,720	24,015	6,705	7,500	1,881	7,929
Indonesia	1,817	1,357	461	194	238	464
Ireland	7,533	7,487	46	3,158	2,706	1,577
Israel	5,094	4,812	281	...	3,697	834
Italy	27,487	26,299	1,189	21,446	2,620	1,045
Japan	167,033	149,308	17,725	88,461	23,093	20,030
Korea	25,052	17,817	7,233	6,405	2,247	1,932
Latvia	2,008	1,760	247	617	559	337
Lithuania	329	300	29	211	31	28
Luxembourg	31,311	30,534	777	22,104	6,131	1,521
Malaysia	2,236	1,812	424	303	784	302
Mexico	11,425	10,795	630	5,744	4,246	175
Netherlands	21,814	21,728	86	7,103	3,098	11,440
New Zealand	10,970	10,825	145	6,333	3,513	833
Norway	28,774	28,621	153	19,425	5,327	3,717
Peru	238	214	24	121	55	14
Philippines	2,078	1,256	821	157	232	47
Poland	7,354	6,820	534	4,626	918	742
Portugal	2,773	2,754	19	1,005	1,613	118
Romania	1,635	1,508	126	1,240	107	35
Russia	19,482	16,190	3,292	7,795	3,537	1,565
Saudi Arabia	1,948	1,770	178	1,183	166	243
Singapore	162,876	152,543	10,333	106,112	19,144	16,954
Slovakia	3,366	3,246	120	3,126	...	...
Slovenia	152	152	...	94	19	38
South Africa	12,417	10,568	1,849	5,756	2,302	661
Spain	11,125	10,942	183	8,665	866	1,230
Sweden	38,343	36,137	2,207	12,950	11,147	9,833
Switzerland	150,783	145,190	5,593	88,533	23,224	27,841
Taiwan, China	7,606	6,725	881	3,337	996	1,511
Thailand	7,030	4,931	2,098	1,260	671	902
Turkey	3,517	3,311	206	2,419	556	130
United Kingdom	1,287,066	1,147,770	139,296	365,333	487,087	156,055
United States	460,144	433,867	26,277	132,002	191,283	84,305
Total	3,285,278	2,976,059	309,118	1,313,611	944,662	408,669

¹ Outright forwards, FX swaps, currency swaps and options. Does not include other products. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Not adjusted for inter-dealer double-counting (ie "gross-gross" basis). ³ Net of local inter-dealer double-counting.

Table E.27

Currency swaps OTC foreign exchange derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	2,121	91	1,172	333	313	178	33
Austria	187	2	178	1	3	2	1
Bahrain	48	...	16	...	32	...	...
Belgium	361	16	155	7	47	0	135
Brazil	267	6	...	163	...	98	0
Bulgaria	4	...	4	...	...	...	...
Canada	1,603	637	254	61	285	361	5
Chile	28	...	26	...	...	2	...
China	...	...	...	...	...	...	...
Colombia	9	9	...	0	...	...	...
Czech Republic	9	0	5	0	3	...	...
Denmark	735	101	463	87	48	30	5
Estonia	0	...	...	...	...	0	...
Finland	47	...	4	7	9	26	...
France	1,389	39	1,015	17	190	53	74
Germany	185	12	125	10	28	11	...
Greece	2	...	2	...	...	...	...
Hong Kong SAR	625	63	410	15	127	3	8
Hungary	0	...	...	...	...	0	...
India	479	41	30	20	19	369	...
Indonesia	107	38	29	7	...	33	...
Ireland	392	1	375	...	14	1	...
Israel	...	...	...	...	...	...	...
Italy	126	36	3	81	6	...	...
Japan	1,036	142	499	80	133	175	7
Korea	1,205	453	555	111	2	79	6
Latvia	...	...	...	...	...	...	...
Lithuania	...	...	...	...	...	...	...
Luxembourg	715	32	259	1	423	...	0
Malaysia	37	2	...	31	...	5	...
Mexico	12	...	8	...	1	1	2
Netherlands	395	...	260	...	109	0	25
New Zealand	346	4	2	305	35	...	...
Norway	54	...	29	8	...	17	...
Peru	...	...	...	...	...	...	...
Philippines	14	9	2	2	...	...	...
Poland	68	28	18	1	7	15	...
Portugal	308	...	45	...	263	...	...
Romania	...	...	...	...	...	...	...
Russia	...	...	...	...	...	...	...
Saudi Arabia	263	18	243	...	...	3	...
Singapore	1,166	11	380	133	503	27	113
Slovakia	...	...	...	...	...	...	...
Slovenia	...	...	...	...	...	...	...
South Africa	39	...	21	...	18	0	...
Spain	128	0	45	...	34	47	2
Sweden	20	...	...	0	...	19	...
Switzerland	77	...	47	...	7	24	...
Taiwan, China	84	45	13	4	...	21	0
Thailand	106	31	11	3	38	19	4
Turkey	556	...	556	...	...	...	...
United Kingdom	17,823	1,794	7,277	1,204	5,174	418	1,955
United States	6,486	323	1,792	1,461	909	1,318	683
Total	39,661	3,984	16,327	4,155	8,777	3,357	3,061

¹ Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. Adjusted for local inter-dealer double-counting (ie "net-gross" basis).

Table E.28

Options OTC foreign exchange derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	4,651	333	2,919	163	506	363	366
Austria	775	30	533	21	82	99	10
Bahrain	158	2	120	...	9	6	21
Belgium	1,511	17	846	2	466	79	101
Brazil	38	1	3	28	...	4	3
Bulgaria	1	...	0	...	...	1	...
Canada	2,601	265	1,301	175	611	208	41
Chile	0	...	...	0	...	0	...
China	...	...	...	...	...	...	...
Colombia	9	...	0	2	0	6	...
Czech Republic	73	0	40	2	...	30	1
Denmark	1,382	359	142	127	303	369	82
Estonia	4	...	2	...	...	2	0
Finland	125	...	3	...	2	119	2
France	5,538	498	3,360	834	265	452	129
Germany	2,475	55	1,148	286	523	270	193
Greece	122	2	103	...	2	14	0
Hong Kong SAR	5,707	31	2,196	46	577	1,380	1,477
Hungary	142	...	60	2	38	35	7
India	3,800	435	814	73	274	2,205	...
Indonesia	123	40	15	7	...	61	0
Ireland	454	1	199	14	144	3	94
Israel	409	64	...	50	119	162	14
Italy	1,864	158	1,295	37	145	221	9
Japan	10,761	727	6,131	1,307	772	1,523	301
Korea	633	53	319	10	3	237	10
Latvia	...	...	...	...	...	...	...
Lithuania	0	...	0	...	...	0	...
Luxembourg	570	27	375	2	89	11	67
Malaysia	28	3	9	4	...	9	4
Mexico	128	2	101	0	14	11	...
Netherlands	657	9	423	1	126	8	91
New Zealand	193	2	102	1	11	77	0
Norway	109	2	37	0	12	56	2
Peru	...	...	...	...	...	...	...
Philippines	4	...	...	1	...	3	...
Poland	343	3	97	13	14	212	4
Portugal	688	2	331	...	342	13	...
Romania	11	...	5	...	...	5	...
Russia	20	2	12	0	...	3	2
Saudi Arabia	88	...	53	...	3	32	...
Singapore	10,064	351	6,080	211	597	1,498	1,327
Slovakia	43	0	42	...	...	...	...
Slovenia	50	...	24	1	...	24	...
South Africa	81	2	40	2	4	25	8
Spain	737	6	596	3	32	73	27
Sweden	1,735	78	453	184	168	720	132
Switzerland	11,870	397	3,634	240	2,268	1,088	4,243
Taiwan, China	881	84	280	38	58	302	119
Thailand	36	3	0	4	0	29	...
Turkey	178	...	126	1	...	48	4
United Kingdom	106,284	12,163	26,999	11,200	33,165	8,835	13,921
United States	75,105	3,920	21,836	14,045	19,774	6,628	8,903
Total	253,259	20,127	83,203	29,139	61,517	27,561	31,711

¹ Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. Adjusted for local inter-dealer double-counting (ie "net-gross" basis).

Table E.29

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Forward rate agreements	258,380	97,903	66,492	3,882	41,606
with reporting dealers	142,764	63,845	33,471	809	23,851
local	57,824	24,317	10,916	531	16,539
cross-border	84,940	39,528	22,555	277	7,311
with other financial institutions	88,938	32,007	28,866	2,850	10,719
local	30,384	14,152	7,207	1,298	3,425
cross-border	58,554	17,855	21,659	1,552	7,294
with non-financial customers	26,678	2,050	4,155	224	7,037
local	6,811	392	373	179	720
cross-border	19,867	1,659	3,781	45	6,317
Swaps	1,210,427	321,679	527,521	109,682	124,183
with reporting dealers	551,598	140,885	230,767	48,735	69,478
local	206,000	60,273	71,875	12,333	41,299
cross-border	345,597	80,612	158,892	36,402	28,179
with other financial institutions	573,803	141,857	279,193	54,644	48,766
local	150,048	67,329	46,520	9,478	18,212
cross-border	423,755	74,528	232,673	45,166	30,554
with non-financial customers	85,026	38,938	17,561	6,303	5,939
local	17,600	8,412	3,520	1,331	1,188
cross-border	67,426	30,525	14,041	4,972	4,751
Options sold	146,224	68,235	48,828	15,797	4,531
with reporting dealers	90,804	42,930	31,955	8,168	2,520
local	31,853	17,274	9,114	2,415	1,193
cross-border	58,951	25,656	22,840	5,753	1,326
with other financial institutions	42,510	18,093	14,430	6,931	1,365
local	15,085	9,306	3,421	1,218	571
cross-border	27,425	8,787	11,008	5,713	794
with non-financial customers	12,637	7,131	2,443	698	647
local	6,697	3,698	742	359	390
cross-border	5,940	3,433	1,702	339	257
Options bought	175,028	105,653	42,624	15,349	4,086
with reporting dealers	120,863	79,132	27,359	7,881	2,346
local	66,733	52,135	9,384	2,260	1,057
cross-border	54,130	26,997	17,975	5,620	1,289
with other financial institutions	42,158	18,761	13,748	6,744	1,180
local	17,952	11,466	4,338	952	335
cross-border	24,206	7,294	9,410	5,792	845
with non-financial customers	11,718	7,644	1,514	709	559
local	5,943	3,694	513	377	380
cross-border	5,776	3,950	1,000	331	179
Total options	215,419	112,857	61,795	23,121	6,184
Other products	1,292	...	...	...	...
Total	1,685,518	532,439	655,808	136,685	171,973

For footnotes, see facing page.

Table E.30

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Swedish krona	Danish krone	
3,912	1,011	3,195	18,467	446	Forward rate agreements
2,737	270	1,720	4,987	205	with reporting dealers
488	115	884	1,009	99	local
2,250	154	836	3,978	106	cross-border
1,107	634	804	4,933	226	with other financial institutions
137	218	409	1,249	81	local
971	416	396	3,684	145	cross-border
67	107	671	8,547	15	with non-financial customers
43	23	385	4,231	15	local
24	85	286	4,316	...	cross-border
14,219	11,644	14,060	13,462	516	Swaps
8,901	6,227	5,815	4,230	270	with reporting dealers
1,811	2,536	1,608	2,338	176	local
7,090	3,691	4,207	1,892	94	cross-border
5,144	3,766	7,078	8,146	174	with other financial institutions
655	1,348	1,406	1,015	75	local
4,489	2,418	5,673	7,130	99	cross-border
174	1,651	1,166	1,087	72	with non-financial customers
52	1,089	727	106	50	local
122	562	439	981	22	cross-border
379	2,187	759	811	28	Options sold
173	1,469	85	115	28	with reporting dealers
73	971	52	32	11	local
100	497	33	83	17	cross-border
193	576	93	140	1	with other financial institutions
27	165	63	14	0	local
165	411	30	126	1	cross-border
14	143	581	556	0	with non-financial customers
4	107	488	533	0	local
10	35	93	23	...	cross-border
239	2,026	814	332	22	Options bought
210	1,323	101	131	11	with reporting dealers
13	740	53	16	6	local
196	583	48	115	5	cross-border
25	433	108	117	5	with other financial institutions
4	145	12	11	1	local
21	288	96	106	4	cross-border
4	271	605	84	6	with non-financial customers
4	168	470	40	6	local
...	102	135	44	...	cross-border
427	2,817	1,480	1,020	31	Total options
...	...	...	...	...	Other products
18,558	15,473	18,735	32,949	993	Total

¹ Adjusted for local and cross-border 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, i.e. not adjusted for inter-dealer double-counting.

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Hong Kong dollar	Rupiah	Mexican peso	New Zealand dollar	Norwegian krone
Forward rate agreements	49	...	163	1,046	7,040
with reporting dealers	48	...	151	503	3,183
local	38	...	...	204	368
cross-border	10	...	151	300	2,815
with other financial institutions	1	...	12	528	2,282
local	...	...	12	99	1,058
cross-border	1	...	...	428	1,224
with non-financial customers	...	...	...	15	1,575
local	...	...	...	15	392
cross-border	...	...	...	...	1,184
Swaps	8,778	17	4,634	5,550	869
with reporting dealers	6,423	1	1,981	3,004	427
local	2,172	1	731	250	32
cross-border	4,251	...	1,249	2,754	395
with other financial institutions	2,212	7	2,334	1,985	305
local	266	2	705	356	42
cross-border	1,947	6	1,630	1,629	263
with non-financial customers	142	9	320	561	138
local	20	9	44	109	94
cross-border	123	...	275	452	44
Options sold	254	2	309	22	79
with reporting dealers	98	2	148	...	50
local	6	2	30	...	5
cross-border	92	...	118	...	45
with other financial institutions	38	...	156	8	19
local	5	...	95	...	8
cross-border	33	...	61	8	11
with non-financial customers	19	...	4	13	11
local	1	...	4	12	9
cross-border	18	...	...	1	1
Options bought	240	...	315	23	37
with reporting dealers	157	...	72	4	33
local	12	...	26	...	...
cross-border	145	...	46	4	33
with other financial institutions	28	...	242	17	3
local	6	...	162	...	0
cross-border	22	...	79	17	3
with non-financial customers	3	...	1	2	0
local	3	...	1	2	0
cross-border	...	...	1	0	0
Total options	366	1	514	43	75
Other products	...	...	...	...	...
Total	9,193	18	5,312	6,638	7,984

For footnotes, see facing page.

Table E.30

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Total reported transactions in all currencies

Daily averages, in millions of US dollars

Singapore dollar	Baht	Currencies of other reporting countries ²	Residual currencies ³	
346	14	3,255	9,553	Forward rate agreements
301	2	2,688	3,993	with reporting dealers
214	2	1,075	1,024	local
86	...	1,613	2,969	cross-border
45	11	544	3,369	with other financial institutions
...	11	228	800	local
45	...	315	2,569	cross-border
...	...	23	2,191	with non-financial customers
...	...	16	28	local
...	...	7	2,163	cross-border
2,291	321	11,978	39,022	Swaps
1,840	171	8,006	14,436	with reporting dealers
1,021	107	5,244	2,192	local
819	64	2,763	12,244	cross-border
277	122	3,225	14,568	with other financial institutions
53	76	914	1,598	local
224	46	2,311	12,970	cross-border
174	27	747	10,017	with non-financial customers
55	12	620	162	local
119	15	127	9,855	cross-border
721	33	1,879	1,369	Options sold
400	33	1,650	981	with reporting dealers
31	0	540	103	local
369	33	1,110	879	cross-border
75	...	125	269	with other financial institutions
50	...	101	42	local
25	...	24	226	cross-border
246	...	104	28	with non-financial customers
246	...	102	1	local
...	...	2	26	cross-border
708	41	1,523	996	Options bought
346	39	1,043	675	with reporting dealers
299	...	542	188	local
46	39	502	486	cross-border
175	...	383	188	with other financial institutions
157	...	309	51	local
19	...	74	136	cross-border
187	2	97	31	with non-financial customers
187	2	96	0	local
...	...	2	31	cross-border
1,056	38	2,055	1,537	Total options
...	...	...	...	Other products
3,693	372	17,289	50,112	Total

¹ Adjusted for local and cross-border 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 Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components.

Table E.30 (cont)

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Daily averages, in millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Argentina	...	...	...	...	...
Australia	22,725	761	67	15	486
Austria	4,898	341	2,603	36	27
Bahrain	141	87	4	...	3
Belgium	21,605	1,493	18,145	109	934
Brazil	126	54	1	...	...
Bulgaria	21	4	17	...	...
Canada	20,582	8,771	236	253	769
Chile	5	3	...	...	...
China	...	...	...	...	...
Colombia	5	5	...	...	...
Czech Republic	706	7	51	...	...
Denmark	10,043	1,327	4,358	3	209
Estonia	1	0	0	...	...
Finland	3,025	313	2,490	...	20
France	176,135	15,520	143,352	2,345	7,430
Germany	90,240	2,019	79,212	206	6,953
Greece	233	0	201	14	...
Hong Kong SAR	17,292	2,732	120	693	...
Hungary	833	13	7	...	...
India	3,395	285	11	17	3
Indonesia	71	52	...	5	...
Ireland	7,170	1,510	4,157	131	939
Israel	...	...	...	...	...
Italy	29,836	2,080	26,885	103	555
Japan	76,357	5,999	789	68,368	241
Korea	5,386	1,298	2	6	0
Latvia	...	...	...	...	...
Lithuania	52	...	52	...	...
Luxembourg	3,409	732	1,907	0	575
Malaysia	137	26	...	...	1
Mexico	2,919	96	...	...	...
Netherlands	26,959	5,987	17,060	678	442
New Zealand	2,778	1	...	...	...
Norway	6,647	504	142	...	...
Peru	17	17	...	...	...
Philippines	4	2	...	...	...
Poland	2,681	8	105	...	5
Portugal	786	72	709	3	...
Romania	2	...	2	...	...
Russia	...	...	...	...	...
Saudi Arabia	282	79	17	...	74
Singapore	57,410	10,202	1,223	30,366	1,158
Slovakia	...	...	...	...	...
Slovenia	25	...	25	...	...
South Africa	4,474	115	2	120	25
Spain	16,776	570	14,000	...	204
Sweden	12,290	444	723	29	41
Switzerland	60,654	9,365	27,745	349	10,869
Taiwan, China	1,463	178	5	21	...
Thailand	386	165	...	...	...
Turkey	122	50	10	...	...
United Kingdom	957,093	143,702	487,064	65,757	169,239
United States	525,011	461,915	24,164	9,426	7,568
Total	2,173,209	678,905	857,662	179,052	208,771

For footnotes, see facing page.

Table E.31

OTC single currency interest rate derivatives turnover by instrument, counterparty and currency in April 2007¹

Daily averages, in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Swedish krona	Currencies of other reporting countries ²	Residual currencies ³	
...	...	...	...	...	...	Argentina
...	681	15,341	...	5,373	0	Australia
1,171	22	0	...	696	0	Austria
...	...	...	...	47	...	Bahrain
539	118	69	115	82	1	Belgium
...	...	...	...	71	...	Brazil
...	...	...	...	...	0	Bulgaria
10	9,973	51	...	38	482	Canada
...	...	...	...	2	...	Chile
...	...	...	...	...	...	China
...	...	...	...	1	0	Colombia
...	...	...	...	648	...	Czech Republic
51	1	1	993	3,099	1	Denmark
...	...	...	0	...	0	Estonia
...	...	4	72	125	0	Finland
843	568	144	2,153	2,036	1,744	France
1,148	1	13	1	35	652	Germany
...	...	...	...	18	0	Greece
...	...	...	...	10,131	3,615	Hong Kong SAR
8	...	...	...	805	0	Hungary
...	...	...	...	3,080	...	India
...	...	...	...	14	0	Indonesia
15	2	46	301	71	0	Ireland
...	...	...	...	...	...	Israel
34	...	...	73	105	0	Italy
...	...	178	...	783	0	Japan
...	...	...	...	4,067	14	Korea
...	...	...	...	...	...	Latvia
...	...	...	...	...	...	Lithuania
87	14	4	59	10	21	Luxembourg
...	...	...	...	110	0	Malaysia
...	...	...	...	2,823	...	Mexico
1,715	129	14	39	896	0	Netherlands
...	...	10	...	2,766	0	New Zealand
0	...	1	123	5,876	0	Norway
...	...	...	...	0	0	Peru
...	...	...	...	2	0	Philippines
39	...	...	...	2,524	...	Poland
...	...	...	...	3	0	Portugal
...	...	...	...	...	...	Romania
...	...	...	...	...	...	Russia
...	...	42	...	70	...	Saudi Arabia
1,961	21	3,369	190	8,903	17	Singapore
...	...	...	...	...	...	Slovakia
0	...	...	...	...	0	Slovenia
...	...	...	...	1,955	2,257	South Africa
...	...	...	...	2,002	0	Spain
13	4	0	7,931	3,106	0	Sweden
9,762	85	866	995	619	0	Switzerland
...	...	0	...	1,125	133	Taiwan, China
...	...	...	...	221	0	Thailand
...	...	...	...	62	0	Turkey
6,325	611	3,167	25,455	1,770	54,002	United Kingdom
4,322	7,629	499	417	4,094	4,976	United States
28,045	19,858	23,818	38,918	70,265	67,914	Total

¹ Forward rate agreements, swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Includes all participating countries currencies other than the ones listed. ³ Calculated as the difference between the total and the sum of the listed components. Table E.31 (cont)

OTC single currency interest rate derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Gross turnover ²	Net turnover ³				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Argentina	...	...	...	...	...	...
Australia	25,347	22,725	2,622	10,041	7,263	2,798
Austria	4,984	4,898	85	4,287	484	42
Bahrain	145	141	3	127	...	11
Belgium	22,619	21,605	1,014	15,225	4,668	698
Brazil	126	126	...	...	2	124
Bulgaria	22	21	1	15	2	4
Canada	23,854	20,582	3,272	7,013	8,008	2,289
Chile	5	5	...	5	0	0
China	...	...	...	...	...	...
Colombia	9	5	4	1	1	0
Czech Republic	827	706	121	510	50	25
Denmark	11,982	10,043	1,939	4,658	1,848	1,598
Estonia	1	1	...	0	...	0
Finland	3,101	3,025	76	2,472	415	63
France	193,173	174,397	16,851	118,566	34,968	4,012
Germany	102,699	90,239	12,459	53,846	22,673	1,261
Greece	233	233	...	128	4	100
Hong Kong SAR	19,731	17,273	2,436	11,429	2,652	195
Hungary	924	833	91	634	109	0
India	5,851	3,395	2,456	144	434	362
Indonesia	86	71	15	18	2	37
Ireland	8,622	7,170	1,452	3,421	1,015	1,283
Israel	...	...	...	...	...	...
Italy	30,872	29,836	1,036	25,839	2,399	563
Japan	80,997	76,357	4,639	45,325	24,373	2,019
Korea	7,303	5,386	1,916	3,001	234	235
Latvia	...	...	...	...	...	...
Lithuania	52	52	...	30	...	22
Luxembourg	3,507	3,409	97	2,729	559	24
Malaysia	159	137	23	5	102	8
Mexico	3,250	2,919	331	1,863	701	25
Netherlands	27,514	26,959	554	23,194	2,357	855
New Zealand	2,887	2,778	109	627	1,598	444
Norway	6,926	6,647	279	4,096	1,528	744
Peru	17	17	...	8	2	7
Philippines	6	4	2	2	0	...
Poland	3,832	2,681	1,152	1,303	215	11
Portugal	794	786	8	324	348	105
Romania	2	2	...	1	1	...
Russia	...	...	...	...	...	...
Saudi Arabia	282	282	0	141	47	94
Singapore	59,596	57,393	2,186	40,059	13,937	1,212
Slovakia	...	...	...	...	...	...
Slovenia	25	25	...	15	...	10
South Africa	5,007	4,474	534	2,595	1,193	152
Spain	18,019	16,776	1,243	9,864	2,680	2,989
Sweden	12,705	12,290	415	3,303	2,840	5,730
Switzerland	61,659	60,654	1,005	49,428	9,400	822
Taiwan, China	2,348	1,330	784	220	241	86
Thailand	489	386	102	89	167	28
Turkey	122	122	0	81	0	41
United Kingdom	1,108,084	957,093	150,991	329,803	417,222	59,077
United States	625,825	525,011	100,814	197,673	180,669	45,854
Total	2,486,619	2,171,303	313,117	974,156	747,409	136,060

¹ Forward rate agreements, swaps and options. Does not include other products. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Not adjusted for inter-dealer double-counting (ie "gross-gross" basis). ³ Net of local inter-dealer double-counting.

Table E.32

Forward rate agreements: OTC single currency interest rate derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	3,607	1,088	1,674	273	183	293	96
Austria	562	...	495	54	13	...	...
Bahrain	...	...	...	...	...	...	...
Belgium	1,665	...	1,364	...	293	6	2
Brazil	...	...	...	...	...	...	...
Bulgaria	...	...	...	...	...	...	...
Canada	6,191	292	906	240	4,430	23	301
Chile	1	...	1	...	...	...	...
China	...	...	...	...	...	...	...
Colombia	5	3	1	1	...	0	...
Czech Republic	482	89	335	35	4	15	5
Denmark	3,741	491	2,094	15	376	151	616
Estonia	...	...	...	...	...	...	...
Finland	162	57	17	31	42	16	...
France	19,117	826	16,370	8	1,730	18	165
Germany	24,895	2,251	10,105	2,180	10,140	208	10
Greece	18	...	18	...	...	...	...
Hong Kong SAR	721	110	449	83	79	...	...
Hungary	566	76	405	45	41	...	...
India	...	...	...	...	...	...	...
Indonesia	2	2	...	...	...	...	...
Ireland	103	15	63	9	15	...	1
Israel	...	...	...	...	...	...	...
Italy	2,550	42	2,355	10	143	...	...
Japan	3,424	...	1,036	1,204	1,184	...	...
Korea	438	51	380	...	...	7	...
Latvia	...	...	...	...	...	...	...
Lithuania	...	...	...	...	...	...	...
Luxembourg	203	...	47	...	156	...	...
Malaysia	10	...	...	...	10	...	...
Mexico	311	...	302	9	...	...	...
Netherlands	950	1	771	1	98	...	79
New Zealand	590	75	109	99	292	15	...
Norway	5,357	244	3,101	997	442	285	288
Peru	...	...	...	...	...	...	...
Philippines	2	...	2	...	...	...	...
Poland	1,435	653	662	60	59	1	...
Portugal	1	...	...	...	1	...	...
Romania	...	...	...	...	...	...	...
Russia	...	...	...	...	...	...	...
Saudi Arabia	2	...	2	...	...	...	...
Singapore	1,610	227	1,215	...	168	...	...
Slovakia	...	...	...	...	...	...	...
Slovenia	...	...	...	...	...	...	...
South Africa	2,313	432	1,537	305	23	15	0
Spain	538	...	180	24	0	...	333
Sweden	8,831	378	2,086	789	729	4,340	510
Switzerland	6,270	20	5,373	17	200	588	71
Taiwan, China	12	...	12	...	...	...	...
Thailand	14	2	...	11	...	...	...
Turkey	7	...	7	...	...	...	...
United Kingdom	154,495	33,721	66,285	10,531	25,936	832	17,192
United States	92,120	16,679	50,125	13,351	11,768	...	198
Total	343,320	57,824	169,880	30,384	58,554	6,811	19,867

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.33

Swaps: OTC single currency interest rate derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	17,788	1,504	8,316	1,401	5,316	832	421
Austria	4,084	75	3,656	65	251	28	9
Bahrain	141	3	127	...	...	...	11
Belgium	15,820	727	11,638	88	2,796	104	467
Brazil	126	...	...	2	...	124	...
Bulgaria	19	1	14	2	...	3	...
Canada	10,775	2,398	5,020	512	1,261	1,151	432
Chile	4	...	4	...	0	...	0
China	...	...	...	...	...	...	...
Colombia	1	0	...	0	...	...	...
Czech Republic	220	32	173	3	8	4	...
Denmark	4,865	1,317	2,290	424	639	90	106
Estonia	0	...	0	...	...	...	...
Finland	1,963	11	1,786	61	63	43	...
France	138,907	14,601	89,459	8,642	22,722	834	2,651
Germany	63,371	9,779	42,818	3,527	6,416	751	81
Greece	146	...	56	...	4	86	...
Hong Kong SAR	15,991	2,327	10,980	180	2,309	33	162
Hungary	267	15	229	6	16	0	...
India	3,395	2,456	144	331	103	362	...
Indonesia	67	11	18	2	...	37	...
Ireland	6,914	1,437	3,244	454	525	44	1,210
Israel	...	...	...	...	...	...	...
Italy	24,584	818	21,533	565	1,230	438	...
Japan	49,082	3,517	33,161	800	10,734	856	15
Korea	4,508	1,591	2,484	228	3	185	16
Latvia	...	...	...	...	...	...	...
Lithuania	8	...	8	...	...	...	...
Luxembourg	3,054	94	2,659	...	284	...	17
Malaysia	125	22	5	81	10	8	...
Mexico	2,362	321	1,487	110	423	20	...
Netherlands	25,422	552	22,080	116	2,015	409	249
New Zealand	2,144	34	518	230	948	67	347
Norway	1,216	32	949	34	47	114	40
Peru	17	...	8	0	2	7	...
Philippines	2	2	...	0	...	...	...
Poland	1,240	499	640	50	46	6	...
Portugal	635	8	272	...	308	46	2
Romania	2	...	1	1	...	...	...
Russia	...	...	...	...	...	...	...
Saudi Arabia	111	0	69	...	33	9	...
Singapore	54,240	1,775	37,534	48	13,682	59	1,143
Slovakia	...	...	...	...	...	...	...
Slovenia	25	...	15	...	...	10	...
South Africa	1,331	61	677	455	111	27	0
Spain	15,558	1,217	9,212	516	2,078	278	2,257
Sweden	1,973	25	755	207	707	151	129
Switzerland	54,319	985	44,012	41	9,125	48	107
Taiwan, China	907	568	158	124	6	49	1
Thailand	371	100	89	73	83	26	...
Turkey	21	...	19	0	...	...	2
United Kingdom	710,078	105,557	222,982	65,037	282,456	3,233	30,812
United States	317,826	51,530	109,900	65,633	56,996	7,029	26,739
Total	1,556,024	206,000	691,195	150,048	423,755	17,600	67,426

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.34

Options: OTC single currency interest rate derivatives turnover by country and counterparty in April 2007¹

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	1,330	30	52	39	52	938	219
Austria	252	10	136	37	64	5	0
Bahrain	...	...	...	...	...	...	...
Belgium	4,120	288	2,222	27	1,464	25	94
Brazil	1	...	...	0	0	0	...
Bulgaria	2	...	1	...	...	1	...
Canada	3,616	582	1,087	408	1,157	199	183
Chile	...	...	...	...	...	...	...
China	...	...	...	...	...	...	...
Colombia	...	...	...	...	...	...	...
Czech Republic	3	0	1	...	...	2	...
Denmark	1,436	132	275	30	365	499	137
Estonia	0	...	0	...	...	0	...
Finland	900	8	668	124	95	4	...
France	16,373	1,424	12,738	231	1,636	278	66
Germany	1,973	429	923	192	217	188	24
Greece	69	...	55	...	...	7	8
Hong Kong SAR	561	...	...	...	...	...	...
Hungary	...	...	...	...	...	...	...
India	...	...	...	...	...	...	...
Indonesia	2	2	...	...	...	...	...
Ireland	153	...	114	...	11	0	28
Israel	...	...	...	...	...	...	...
Italy	2,703	175	1,951	141	310	125	...
Japan	23,851	1,123	11,128	1,004	9,447	1,107	42
Korea	441	273	138	3	0	26	0
Latvia	...	...	...	...	...	...	...
Lithuania	45	...	22	...	...	22	...
Luxembourg	152	4	22	...	119	...	7
Malaysia	2	1	...	1	...	0	...
Mexico	247	10	74	96	62	4	...
Netherlands	587	1	342	26	100	67	51
New Zealand	44	...	...	2	27	15	...
Norway	74	2	47	8	...	17	...
Peru	...	...	...	...	...	...	...
Philippines	...	...	...	...	...	...	...
Poland	6	...	2	...	0	4	...
Portugal	150	0	52	...	40	58	0
Romania	...	...	...	...	...	...	...
Russia	...	...	...	...	...	...	...
Saudi Arabia	168	...	70	...	14	84	...
Singapore	1,543	183	1,311	...	39	1	10
Slovakia	...	...	...	...	...	...	...
Slovenia	...	...	...	...	...	...	...
South Africa	830	40	381	298	1	109	...
Spain	681	26	472	47	15	115	6
Sweden	1,485	13	463	225	183	581	20
Switzerland	66	...	42	14	2	6	1
Taiwan, China	412	216	50	108	2	34	1
Thailand	2	0	0	...	...	2	...
Turkey	95	0	56	...	...	36	3
United Kingdom	92,520	11,713	40,537	9,241	24,021	2,059	4,950
United States	115,064	32,606	37,648	20,732	12,189	6,022	5,867
Total	271,959	49,293	113,081	33,037	51,631	12,640	11,716

¹ Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding.

Table E.35

OTC foreign exchange derivatives turnover by country and instrument in April 2004 and 2007¹

Daily averages, in millions of US dollars

	April 2004					
	Total ²	Outright forwards	Foreign exchange swaps	Currency swaps	Options	Other products ³
Argentina	...	...	...	...	...	...
Australia	71,408	5,501	60,878	1,244	3,785	...
Austria	9,021	683	7,029	247	1,063	...
Bahrain	1,214	837	326	0	50	...
Belgium	14,367	2,182	11,062	77	1,045	...
Brazil	1,238	366	380	386	105	...
Bulgaria	...	...	...	...	...	...
Canada	40,937	3,973	31,587	598	4,779	...
Chile	942	709	201	32	...	...
China	...	...	...	...	...	...
Colombia	242	211	15	3	13	...
Czech Republic	1,429	70	1,297	1	61	...
Denmark	32,903	2,070	29,647	151	1,035	...
Estonia	105	1	104	...	...	...
Finland	1,089	169	869	1	50	...
France	53,573	4,553	46,473	983	1,563	...
Germany	84,588	11,749	69,925	175	2,738	...
Greece	3,281	28	3,198	...	55	...
Hong Kong SAR	70,339	5,365	61,149	971	2,846	8
Hungary	2,141	125	1,971	...	46	...
India	3,457	1,210	2,013	113	122	...
Indonesia	1,355	110	1,213	20	11	...
Ireland	2,808	210	2,140	243	215	...
Israel	2,274	...	2,084	...	190	...
Italy	14,789	1,386	9,898	232	3,272	...
Japan	154,447	21,260	124,647	967	7,541	32
Korea	10,269	3,598	5,951	280	441	...
Latvia	551	12	539	...	...	...
Lithuania	114	18	96	...	...	...
Luxembourg	11,465	1,717	9,623	7	117	...
Malaysia	854	316	497	12	29	...
Mexico	4,543	1,055	2,784	472	233	...
Netherlands	42,303	3,595	35,582	178	2,949	...
New Zealand	5,579	529	4,924	17	109	...
Norway	11,723	459	11,199	16	49	...
Peru	45	37	4	4	...	...
Philippines	338	102	229	5	2	...
Poland	4,604	329	4,095	3	177	...
Portugal	897	67	820	...	11	...
Romania	...	...	...	...	...	...
Russia	6,153	909	5,245	...	...	...
Saudi Arabia	759	73	613	1	73	...
Singapore	91,107	10,612	72,127	346	8,011	11
Slovakia	1,459	1	1,458	...	...	...
Slovenia	30	4	23	3	0	...
South Africa	8,032	416	7,513	32	72	...
Spain	10,182	664	9,146	35	337	...
Sweden	24,789	1,191	22,482	16	968	132
Switzerland	62,182	6,631	49,393	32	6,124	2
Taiwan, China	4,636	1,201	2,242	68	1,124	...
Thailand	1,979	396	1,333	240	10	...
Turkey	2,232	185	1,972	71	3	...
United Kingdom	612,774	102,685	427,818	15,760	64,630	1,880
United States	281,337	61,094	182,890	1,757	35,596	...
Total	1,768,883	260,664	1,328,703	25,799	151,649	2,066

For footnotes, see facing page.

Table E.36

OTC foreign exchange derivatives turnover by country and instrument in April 2004 and 2007¹

Daily averages, in millions of US dollars

	April 2007					
	Total	Outright forwards	Foreign exchange swaps	Currency swaps	Options	Other products ³
Argentina	18	18	...	...	...	...
Australia	131,983	14,481	110,731	2,121	4,651	...
Austria	13,272	1,897	10,414	187	775	...
Bahrain	1,623	703	715	48	158	...
Belgium	35,444	7,270	26,301	361	1,511	...
Brazil	685	348	32	267	38	...
Bulgaria	188	14	169	4	1	...
Canada	50,375	4,303	41,867	1,603	2,601	...
Chile	1,967	1,495	443	28	0	...
China	943	42	901	...	...	...
Colombia	565	488	60	9	9	...
Czech Republic	3,631	882	2,667	9	73	...
Denmark	73,080	9,986	60,978	735	1,382	...
Estonia	1,066	5	1,057	0	4	...
Finland	7,674	381	7,122	47	125	...
France	101,724	7,483	87,221	1,389	5,538	93
Germany	76,868	22,616	51,592	185	2,475	...
Greece	3,988	69	3,796	2	122	...
Hong Kong SAR	143,038	14,715	121,991	625	5,707	...
Hungary	4,658	173	4,343	0	142	...
India	24,015	6,299	13,437	479	3,800	...
Indonesia	1,357	514	613	107	123	...
Ireland	7,487	876	5,765	392	454	...
Israel	4,812	...	4,404	...	409	...
Italy	26,299	2,551	21,758	126	1,864	...
Japan	149,308	25,633	111,877	1,036	10,761	0
Korea	17,819	5,141	10,838	1,205	633	1
Latvia	1,760	26	1,735	...	...	...
Lithuania	300	12	287	...	0	...
Luxembourg	30,534	5,234	24,015	715	570	...
Malaysia	1,812	359	1,388	37	28	...
Mexico	10,795	414	10,240	12	128	...
Netherlands	21,728	5,701	14,974	395	657	...
New Zealand	10,825	761	9,525	346	193	...
Norway	28,621	2,419	26,039	54	109	...
Peru	214	214	...	...	...	...
Philippines	1,256	201	1,037	14	4	...
Poland	6,820	527	5,881	68	343	...
Portugal	2,754	513	1,245	308	688	...
Romania	1,508	105	1,393	...	11	...
Russia	16,190	1,100	15,070	...	20	...
Saudi Arabia	1,770	146	1,273	263	88	...
Singapore	152,543	25,199	116,115	1,166	10,064	...
Slovakia	3,246	9	3,195	...	43	...
Slovenia	152	42	60	...	50	...
South Africa	10,568	918	9,530	39	81	...
Spain	10,942	2,056	8,021	128	737	...
Sweden	36,137	1,561	32,821	20	1,735	...
Switzerland	145,190	16,825	116,418	77	11,870	...
Taiwan, China	6,725	1,717	4,043	84	881	...
Thailand	4,931	683	4,106	106	36	...
Turkey	3,311	651	1,925	556	178	...
United Kingdom	1,147,770	124,203	899,460	17,823	106,284	...
United States	433,867	113,622	238,654	6,486	75,105	...
Total	2,976,154	433,600	2,249,540	39,661	253,259	94

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. ² Data for 2004 have been revised. ³ Data on a net basis have been calculated by adjusting the gross data proportionally. Table E.36 (cont)

OTC single currency interest rate derivatives turnover by country and instrument in April 2004 and 2007¹

Daily averages, in millions of US dollars

	April 2004				
	Total	Forward rate agreements	Swaps	Options	Other products ²
Argentina	...	...	...	...	...
Australia	12,754	5,570	6,651	534	...
Austria	13,538	3,912	9,338	288	...
Bahrain	97	6	81	10	...
Belgium	30,523	2,932	24,944	2,647	...
Brazil	898	121	777	0	...
Bulgaria	...	...	...	...	...
Canada	12,118	3,404	7,265	1,449	...
Chile	20	...	20	...	...
China	...	...	...	...	...
Colombia	...	...	...	...	...
Czech Republic	617	552	62	2	...
Denmark	10,816	2,877	7,229	711	...
Estonia	...	...	...	...	...
Finland	267	43	209	15	...
France	151,296	28,640	117,848	4,808	...
Germany	42,777	9,695	30,893	2,189	...
Greece	174	...	134	40	...
Hong Kong SAR	11,258	318	9,594	1,305	40
Hungary	198	105	90	...	3
India	750	99	650	0	...
Indonesia	22	4	18	...	...
Ireland	12,365	1,042	10,696	627	...
Israel	...	...	...	...	...
Italy	37,862	8,025	27,660	2,177	...
Japan	30,863	354	22,006	8,500	3
Korea	869	116	705	48	...
Latvia	...	...	...	...	...
Lithuania	6	6	...	...	...
Luxembourg	7,339	1,822	4,385	1,132	...
Malaysia	58	10	47	1	...
Mexico	1,394	768	424	201	...
Netherlands	18,833	5,286	12,746	800	...
New Zealand	1,271	847	411	12	...
Norway	5,212	4,037	937	238	...
Peru	...	...	...	...	...
Philippines	15	14	1	...	...
Poland	958	691	267	0	...
Portugal	731	...	627	104	...
Romania	...	...	...	...	...
Russia	...	...	...	...	...
Saudi Arabia	132	6	100	26	...
Singapore	8,597	2,240	5,577	780	...
Slovakia	...	...	...	...	...
Slovenia	...	...	...	...	...
South Africa	2,961	1,821	1,063	77	...
Spain	11,928	1,304	10,408	216	...
Sweden	7,411	4,688	2,533	190	...
Switzerland	12,049	1,578	10,435	36	...
Taiwan, China	1,538	47	658	833	...
Thailand	96	2	93	0	...
Turkey	25	...	0	25	...
United Kingdom	563,009	169,703	299,146	93,860	299
United States	317,436	40,019	196,721	80,690	7
Total	1,331,076	302,705	823,448	204,570	353

For footnotes, see facing page.

Table E.37

OTC single currency interest rate derivatives turnover by country and instrument in April 2004 and 2007¹

Daily averages, in millions of US dollars

	April 2007				
	Total	Forward rate agreements	Swaps	Options	Other products ²
Argentina	...	...	...	...	...
Australia	22,725	3,607	17,788	1,330	...
Austria	4,898	562	4,084	252	...
Bahrain	141	...	141	...	...
Belgium	21,605	1,665	15,820	4,120	...
Brazil	126	...	126	1	...
Bulgaria	21	...	19	2	...
Canada	20,582	6,191	10,775	3,616	...
Chile	5	1	4	...	...
China	...	...	...	...	...
Colombia	5	5	1	...	...
Czech Republic	706	482	220	3	...
Denmark	10,043	3,741	4,865	1,436	...
Estonia	1	...	0	0	...
Finland	3,025	162	1,963	900	...
France	176,135	19,117	138,907	16,373	1,738
Germany	90,240	24,895	63,371	1,973	1
Greece	233	18	146	69	...
Hong Kong SAR	17,292	721	15,991	561	18
Hungary	833	566	267	...	...
India	3,395	...	3,395	...	...
Indonesia	71	2	67	2	...
Ireland	7,170	103	6,914	153	...
Israel	...	...	...	...	...
Italy	29,836	2,550	24,584	2,703	...
Japan	76,357	3,424	49,082	23,851	...
Korea	5,386	438	4,508	441	...
Latvia	...	...	...	...	...
Lithuania	52	...	8	45	...
Luxembourg	3,409	203	3,054	152	...
Malaysia	137	10	125	2	...
Mexico	2,919	311	2,362	247	...
Netherlands	26,959	950	25,422	587	...
New Zealand	2,778	590	2,144	44	...
Norway	6,647	5,357	1,216	74	...
Peru	17	...	17	...	...
Philippines	4	2	2	...	...
Poland	2,681	1,435	1,240	6	...
Portugal	786	1	635	150	...
Romania	2	...	2	...	...
Russia	...	...	...	...	...
Saudi Arabia	282	2	111	168	...
Singapore	57,410	1,610	54,240	1,543	17
Slovakia	...	...	...	...	...
Slovenia	25	...	25	...	...
South Africa	4,474	2,313	1,331	830	...
Spain	16,776	538	15,558	681	...
Sweden	12,290	8,831	1,973	1,485	...
Switzerland	60,654	6,270	54,319	66	...
Taiwan, China	1,463	12	907	412	133
Thailand	386	14	371	2	...
Turkey	122	7	21	95	...
United Kingdom	957,093	154,495	710,078	92,520	...
United States	525,011	92,120	317,826	115,064	...
Total	2,173,209	343,320	1,556,024	271,959	1,906

¹ Forward rate agreements, swaps, options and other products. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). ² Data on a net basis have been calculated by adjusting the gross data proportionally.

Table E.37 (cont)

B - Amounts outstanding at end-June 2007

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Forwards and swaps	29,771,042	25,676,087	10,210,838	4,980,890	4,535,530
with reporting dealers	10,576,042	9,955,994	3,090,489	1,949,103	1,562,096
with other financial institutions	12,280,620	10,551,523	4,180,902	1,844,579	1,752,796
with other non-financial customers	6,914,396	5,168,569	2,939,450	1,187,208	1,220,640
Currency swaps	14,126,807	11,741,548	5,993,581	2,125,527	3,164,036
with reporting dealers	5,704,040	5,121,779	2,221,309	915,336	1,366,245
with other financial institutions	5,957,011	4,818,225	2,541,648	799,699	1,215,350
with other non-financial customers	2,465,761	1,801,545	1,230,624	410,491	582,440
Options sold	9,915,023	7,810,924	3,552,788	3,700,941	855,018
with reporting dealers	6,127,064	4,927,878	2,101,000	2,422,271	533,694
with other financial institutions	2,282,195	1,745,758	815,197	812,931	158,770
with other non-financial customers	1,505,781	1,137,296	636,587	465,736	162,554
Options bought	9,880,162	7,420,003	3,699,469	3,806,756	911,091
with reporting dealers	6,139,281	4,782,745	2,102,399	2,496,278	535,307
with other financial institutions	2,215,249	1,550,894	880,705	861,426	216,728
with other non-financial customers	1,525,647	1,086,365	716,364	449,054	159,053
Total options	13,662,014	10,375,623	5,150,560	5,048,432	1,231,616
Other products	36,724	...	...	...	...
Total contracts	57,596,569	47,793,238	21,354,963	12,154,833	8,931,172

For footnotes, see facing page.

Table E.38

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
1,823,896	1,556,318	992,632	9,765,893	Forwards and swaps
606,297	439,276	236,051	3,312,778	with reporting dealers
699,946	709,692	387,711	4,434,091	with other financial institutions
517,659	407,350	368,871	2,019,045	with other non-financial customers
600,107	626,351	441,129	3,561,335	Currency swaps
240,216	177,666	143,319	1,222,210	with reporting dealers
257,875	273,844	208,712	1,798,669	with other financial institutions
102,018	174,840	89,098	540,466	with other non-financial customers
725,570	304,326	101,742	2,778,737	Options sold
432,108	193,185	58,846	1,585,146	with reporting dealers
169,854	61,722	22,245	777,913	with other financial institutions
123,609	49,418	20,650	415,712	with other non-financial customers
737,674	312,672	144,502	2,728,157	Options bought
439,705	198,023	98,888	1,625,217	with reporting dealers
163,536	56,286	24,411	676,512	with other financial institutions
134,434	58,364	21,203	426,457	with other non-financial customers
1,027,342	421,400	167,383	3,901,672	Total options
...	...	...	73,448	Other products
3,451,331	2,604,052	1,601,136	17,302,413	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 E.38. (cont)

**Notional amounts outstanding of OTC single currency interest rate derivatives
by instrument, counterparty and currency at end-June 2007¹**

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Forward rate agreements	25,607,251	8,928,075	5,512,237	288,580	2,668,040
with reporting dealers	11,982,197	4,185,544	3,060,290	193,183	1,499,862
with other financial institutions	12,398,005	4,396,885	2,359,807	60,585	1,149,431
with other non-financial customers	1,227,047	345,646	92,141	34,814	18,747
Swaps	306,437,541	88,211,157	119,670,596	44,515,139	25,739,385
with reporting dealers	129,949,653	36,887,859	47,970,495	22,537,471	10,626,456
with other financial institutions	135,157,049	36,800,067	57,328,771	16,596,881	11,493,319
with other non-financial customers	41,330,838	14,523,236	14,371,328	5,380,785	3,619,612
Options sold	44,211,453	20,678,500	17,351,385	3,216,250	1,727,381
with reporting dealers	28,708,784	12,551,852	12,111,773	2,413,418	1,006,648
with other financial institutions	10,845,062	5,296,339	4,106,516	542,038	518,937
with other non-financial customers	4,657,605	2,830,307	1,133,096	260,796	201,798
Options bought	40,675,505	18,353,988	16,188,322	3,260,564	1,698,670
with reporting dealers	27,915,959	12,307,997	11,521,279	2,385,600	1,087,942
with other financial institutions	9,328,545	4,026,685	3,873,612	599,719	444,373
with other non-financial customers	3,431,003	2,019,310	793,433	275,245	166,355
Total options	56,574,584	26,602,570	21,723,185	4,077,309	2,378,759
Other products	7,210	...	...	...	...
Total contracts	388,626,574	123,741,791	146,906,004	48,881,019	30,786,175

For footnotes, see facing page.

Table E.39

**Notional amounts outstanding of OTC single currency interest rate derivatives
by instrument, counterparty and currency at end-June 2007¹**

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
488,589	88,154	2,928,027	4,705,549	Forward rate agreements
378,558	49,429	1,080,902	1,534,429	with reporting dealers
83,946	29,692	1,482,355	2,835,304	with other financial institutions
26,085	9,034	364,772	335,808	with other non-financial customers
3,520,638	3,175,031	3,387,102	18,218,493	Swaps
1,445,603	1,411,219	1,000,473	8,070,077	with reporting dealers
1,640,964	1,349,508	1,870,358	8,077,181	with other financial institutions
434,070	414,302	516,270	2,071,235	with other non-financial customers
130,808	182,555	134,724	789,850	Options sold
59,550	86,643	39,744	439,156	with reporting dealers
43,245	73,345	32,738	231,904	with other financial institutions
28,015	22,567	62,242	118,784	with other non-financial customers
119,566	173,617	142,577	738,201	Options bought
65,095	92,036	31,430	424,580	with reporting dealers
44,291	61,755	38,497	239,613	with other financial institutions
10,180	19,826	72,651	74,003	with other non-financial customers
188,056	266,835	241,712	1,096,158	Total options
...	...	...	7,210	Other products
4,197,279	3,530,018	6,556,836	24,027,452	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 E.39 (cont)

Notional amounts outstanding of OTC equity-linked derivatives by instrument and counterparty at end-June 2007¹

In millions of US dollars

	Total	US	Japanese	European	Latin American	Other Asian	Other
Forwards and swaps	3,426,489	981,740	56,216	1,971,798	149,135	78,229	189,388
with reporting dealers	747,128	164,914	18,577	522,348	1,405	10,622	29,282
with other financial institutions	2,125,498	631,399	18,591	1,177,460	144,350	23,458	130,236
with other non-financial customers	553,864	185,427	19,048	271,990	3,379	44,151	29,869
Options sold	5,434,471	927,872	621,341	3,259,634	59,290	403,973	162,362
with reporting dealers	2,717,647	353,578	286,908	1,925,607	1,099	91,153	59,301
with other financial institutions	2,223,912	393,006	315,319	1,106,891	55,932	271,171	81,590
with other non-financial customers	492,915	181,288	19,112	227,137	2,257	41,649	21,471
Options bought	4,567,410	750,757	599,394	2,709,315	24,226	330,441	153,280
with reporting dealers	2,619,469	395,056	315,799	1,761,881	932	67,165	78,643
with other financial institutions	1,663,291	240,076	268,417	832,992	17,898	242,799	61,113
with other non-financial customers	284,637	115,629	15,177	114,441	5,395	20,476	13,523
Total options	7,333,326	1,304,317	919,384	4,125,213	82,503	655,260	246,674
Total contracts	10,759,810	2,286,053	975,596	6,097,005	231,636	733,485	436,059

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 E.40

Notional amounts outstanding of OTC commodity, credit and other derivatives by instrument and counterparty at end-June 2007¹

In millions of US dollars

	Total commodities	Gold	Precious metals (other than gold)	Other commodities	Credit derivatives	Other derivatives
Forwards and swaps	4,191,767	711,241	47,690	3,432,836	49,973,703	72,604
with reporting dealers	...	...	...	...	26,759,226	17,854
with other financial institutions	...	...	...	...	21,288,991	51,521
with other non-financial customers	...	...	...	...	1,925,062	3,229
Options sold	2,225,948	151,227	31,736	2,042,985	1,011,647	2,871
with reporting dealers	...	...	...	...	823,099	160
with other financial institutions	...	...	...	...	63,648	772
with other non-financial customers	...	...	...	...	124,900	1,938
Options bought	2,744,567	264,315	26,235	2,454,017	945,201	3,157
with reporting dealers	...	...	...	...	848,416	481
with other financial institutions	...	...	...	...	31,214	828
with other non-financial customers	...	...	...	...	65,570	1,848
Total options	4,063,288	339,685	47,390	3,676,213	1,121,093	5,708
Total contracts	8,255,056	1,050,928	95,080	7,109,048	51,094,700	78,312

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 E.41

Notional amounts outstanding of OTC credit default swaps by instrument, counterparty and sector at end-June 2007¹

In millions of US dollars

	Total ²	Sovereigns			Non-sovereigns		
		Total	Bought	Sold	Total	Bought	Sold
Single-name instruments	25,104,374	1,569,091	1,339,280	1,067,953	23,563,182	18,098,885	17,486,726
with reporting dealers	12,832,689	838,151	924,127	752,163	12,022,437	12,319,084	11,725,778
with other financial institutions	11,575,306	651,678	367,109	284,569	10,923,628	5,473,933	5,449,695
with non-financial customers	696,379	79,262	48,044	31,218	617,117	305,865	311,252
Multi-name instruments	20,075,035	...	...	...	...	...	...
with reporting dealers	11,999,336	...	...	...	...	...	...
with other financial institutions	7,855,789	...	...	...	...	...	...
with non-financial customers	219,910	...	...	...	...	...	...
Total contracts	45,179,408	1,569,091	1,339,280	1,067,953	23,563,182	18,098,885	17,486,726

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 E.42

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Positive market values					
Forwards and FX swaps	454,760	418,669	105,225	113,281	43,064
with reporting dealers	254,232	245,129	52,069	74,161	22,031
with other financial institutions	127,029	113,275	30,864	25,177	12,741
with other non-financial customers	73,509	60,261	22,284	13,939	8,295
Currency swaps	445,427	364,253	193,898	89,277	75,739
with reporting dealers	173,552	154,659	59,652	39,933	27,793
with other financial institutions	160,102	123,602	78,036	31,459	25,734
with other non-financial customers	111,772	85,990	56,203	17,882	22,211
Options bought	197,822	157,062	50,982	97,984	11,213
with reporting dealers	125,506	99,689	30,782	69,647	6,869
with other financial institutions	44,428	32,884	12,491	18,769	2,401
with other non-financial customers	27,891	24,485	7,705	9,565	1,932
Other products	...	...	...	...	...
Total contracts	1,098,231	940,173	350,152	300,622	130,050
Negative market values					
Forwards and FX swaps	461,866	430,926	94,114	125,055	37,701
with reporting dealers	249,145	241,484	42,583	77,854	17,862
with other financial institutions	129,269	117,152	26,181	28,864	10,939
with other non-financial customers	83,455	72,287	25,352	18,342	8,900
Currency swaps	393,004	329,135	154,258	75,616	68,822
with reporting dealers	173,756	154,245	58,406	41,418	30,133
with other financial institutions	148,081	118,572	63,945	21,371	26,515
with other non-financial customers	71,157	56,321	31,906	12,826	12,173
Options sold	204,596	157,560	54,657	105,543	10,944
with reporting dealers	124,120	96,097	30,561	71,126	5,929
with other financial institutions	49,326	35,958	13,853	21,334	3,131
with other non-financial customers	31,154	25,506	10,245	13,080	1,886
Other products	...	...	...	...	...
Total contracts	1,059,667	917,788	303,081	306,300	117,497

For footnotes, see facing page.

Table E.43

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
Positive market values				
17,160	38,541	8,214	165,366	Forwards and FX swaps
8,389	16,048	3,356	87,281	with reporting dealers
5,067	12,922	2,672	51,340	with other financial institutions
3,703	9,568	2,186	26,782	with other non-financial customers
15,750	36,576	6,179	109,182	Currency swaps
6,201	13,090	2,378	43,398	with reporting dealers
5,229	10,031	2,514	43,599	with other financial institutions
4,318	13,453	1,282	22,205	with other non-financial customers
11,493	7,016	701	59,193	Options bought
6,076	4,631	349	32,969	with reporting dealers
3,506	1,221	213	17,371	with other financial institutions
1,910	1,166	138	8,881	with other non-financial customers
...	...	...	...	Other products
44,428	82,134	15,099	333,804	Total contracts
Negative market values				
14,729	37,891	14,490	168,826	Forwards and FX swaps
6,743	16,896	7,377	87,491	with reporting dealers
4,386	13,909	4,275	52,832	with other financial institutions
3,600	7,085	2,835	28,509	with other non-financial customers
13,533	32,908	5,088	106,648	Currency swaps
6,000	10,896	2,449	43,965	with reporting dealers
4,730	11,370	1,478	48,181	with other financial institutions
2,799	10,645	1,156	14,488	with other non-financial customers
11,474	6,931	873	61,210	Options sold
6,267	4,706	405	33,149	with reporting dealers
3,896	1,244	209	19,027	with other financial institutions
1,309	979	260	9,043	with other non-financial customers
...	...	...	...	Other products
39,756	77,733	20,450	336,729	Total contracts

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

Table E.43 (cont)

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

	Total	US dollar	Euro	Yen	Pound sterling
Positive market values					
Forward rate agreements	102,908	20,457	17,616	3,451	6,313
with reporting dealers	57,687	7,885	8,787	2,497	5,135
with other financial institutions	38,990	11,547	7,806	604	1,125
with other non-financial customers	6,229	1,022	1,021	346	51
Swaps	3,988,565	1,130,811	1,832,253	249,109	417,618
with reporting dealers	2,194,440	661,620	954,682	154,013	213,552
with other financial institutions	1,412,970	347,777	714,681	71,947	164,048
with other non-financial customers	381,156	121,409	162,888	23,147	40,022
Options bought	584,492	236,265	271,163	29,912	28,952
with reporting dealers	407,554	163,909	194,197	22,258	18,365
with other financial institutions	142,112	57,949	62,303	6,149	8,157
with other non-financial customers	34,828	14,401	14,659	1,499	2,425
Other products	...	...	...	...	...
Total contracts	4,675,960	1,387,529	2,121,029	282,468	452,884
Negative market values					
Forward rate agreements	98,868	22,943	17,249	3,673	6,241
with reporting dealers	56,666	10,256	8,881	2,507	5,026
with other financial institutions	36,503	11,815	7,534	644	1,159
with other non-financial customers	5,697	870	836	519	54
Swaps	4,195,577	1,147,611	2,022,496	247,730	427,326
with reporting dealers	2,371,579	668,631	1,128,902	154,699	213,376
with other financial institutions	1,444,738	356,036	731,936	73,683	173,391
with other non-financial customers	379,260	122,939	161,657	19,344	40,561
Options sold	574,161	241,766	247,734	33,680	32,756
with reporting dealers	392,176	165,958	175,942	24,164	16,700
with other financial institutions	143,352	57,924	59,453	6,777	12,426
with other non-financial customers	38,636	17,886	12,341	2,742	3,631
Other products	...	...	...	...	...
Total contracts	4,868,610	1,412,321	2,287,487	285,086	466,326

For footnotes, see facing page.

Table E.44

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2007¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies ²	
Positive market values				
4,217	221	2,865	47,768	Forward rate agreements
2,655	185	1,371	29,172	with reporting dealers
1,465	27	1,231	15,185	with other financial institutions
96	8	262	3,423	with other non-financial customers
37,724	35,772	38,244	247,034	Swaps
18,999	23,159	18,390	150,025	with reporting dealers
16,309	9,749	14,876	73,583	with other financial institutions
2,412	2,864	4,975	23,439	with other non-financial customers
1,156	1,110	980	14,954	Options bought
671	636	297	7,221	with reporting dealers
364	374	420	6,396	with other financial institutions
120	100	259	1,365	with other non-financial customers
...	...	...	...	Other products
43,095	37,103	42,089	309,763	Total contracts
Negative market values				
3,990	209	2,791	41,772	Forward rate agreements
2,528	173	1,312	25,983	with reporting dealers
1,438	28	1,218	12,667	with other financial institutions
24	9	260	3,125	with other non-financial customers
37,373	36,476	37,555	239,010	Swaps
18,940	22,603	17,942	146,486	with reporting dealers
16,312	9,610	14,225	69,545	with other financial institutions
2,118	4,258	5,388	22,995	with other non-financial customers
1,185	1,165	1,086	14,789	Options sold
667	620	356	7,769	with reporting dealers
370	417	471	5,514	with other financial institutions
148	128	261	1,499	with other non-financial customers
...	...	...	...	Other products
42,549	37,850	41,436	295,555	Total contracts

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

Table E.44 (cont)

Gross market values of OTC equity-linked derivatives by instrument and counterparty at end-June 2007¹

In millions of US dollars

	Total	US	Japanese	European ²	Latin American	Other Asian	Other
Positive market values							
Forwards and swaps	148,491	39,000	4,298	91,759	2,556	3,653	7,231
with reporting dealers	52,444	10,130	1,813	37,197	131	1,405	1,766
with other financial institutions	65,698	18,406	1,576	37,512	2,414	1,376	4,412
with other non-financial customers	30,355	10,460	909	17,045	12	870	1,056
Options bought	614,360	113,004	51,013	360,760	2,071	66,640	20,872
with reporting dealers	382,882	48,114	38,696	242,051	180	45,991	7,846
with other financial institutions	177,161	34,971	10,777	100,266	1,169	19,511	10,468
with other non-financial customers	54,318	29,916	1,542	18,438	722	1,136	2,562
Total contracts	762,846	152,001	55,311	452,515	4,627	70,291	28,105
Negative market values							
Forwards and swaps	175,917	51,166	5,510	95,398	6,417	7,049	10,380
with reporting dealers	58,354	9,759	2,200	42,556	42	1,640	2,157
with other financial institutions	93,781	33,036	2,535	42,802	5,683	3,286	6,444
with other non-financial customers	23,778	8,373	775	10,041	694	2,121	1,778
Options sold	703,774	123,643	54,646	418,616	4,265	75,405	27,203
with reporting dealers	370,981	51,387	38,888	252,658	162	20,161	7,722
with other financial institutions	253,580	41,030	13,645	136,545	3,782	43,115	15,465
with other non-financial customers	79,211	31,226	2,117	29,409	321	12,127	4,017
Total contracts	879,693	174,809	60,156	514,015	10,683	82,456	37,583

¹ Country breakdown partially estimated. ² Excluding eastern Europe.

Table E.45

Gross market values of OTC commodity, credit and other derivatives at end-June 2007¹

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	412,744	36,010	4,816	371,918	606,778	575,093	878
Negative market values							
Total contracts	374,501	29,195	3,038	342,268	601,191	571,468	867

¹ No breakdown by instrument and counterparty.

Table E.46

Notional amounts outstanding of OTC foreign exchange derivatives by instrument, counterparty and remaining maturity at end-June 2007¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	43,897,849	33,233,095	7,080,044	3,841,654
with reporting dealers	16,280,082	12,108,711	2,729,220	1,437,764
with other financial institutions	18,237,631	14,134,774	2,903,237	1,396,939
with other non-financial customers	9,380,157	6,989,616	1,447,592	1,006,953
Options sold	9,915,023	7,699,421	1,953,503	272,070
with reporting dealers	6,127,064	4,836,882	1,132,028	157,736
with other financial institutions	2,282,195	1,705,164	507,198	77,023
with other non-financial customers	1,505,781	1,157,381	314,281	37,312
Options bought	9,880,162	7,779,171	1,854,893	256,150
with reporting dealers	6,139,281	4,909,921	1,080,016	149,273
with other financial institutions	2,215,249	1,647,958	520,562	53,477
with other non-financial customers	1,525,647	1,221,299	254,314	53,400
Total options	13,662,014	10,605,204	2,702,386	374,725
Other products	36,724	...	...	...
Total contracts	57,596,569	43,838,288	9,782,413	4,216,364
Total contracts including gold	58,655,693	...	...	...

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 E.47

Notional amounts outstanding of OTC single currency interest rate derivatives by instrument, counterparty and remaining maturity at end-June 2007¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	332,044,792	128,130,694	114,684,901	90,211,328
with reporting dealers	141,931,850	58,991,251	47,011,730	35,931,096
with other financial institutions	147,555,054	57,258,185	50,690,027	40,595,798
with other non-financial customers	42,557,885	11,881,256	16,983,148	13,684,434
Options sold	44,211,453	12,505,132	19,789,838	12,046,283
with reporting dealers	28,708,784	6,831,965	13,288,935	8,587,790
with other financial institutions	10,845,062	4,085,635	4,529,480	2,351,528
with other non-financial customers	4,657,605	1,587,532	1,971,422	1,106,964
Options bought	40,675,505	12,563,259	16,220,296	11,892,084
with reporting dealers	27,915,959	7,606,110	11,359,044	8,950,970
with other financial institutions	9,328,545	3,503,539	3,768,377	2,056,623
with other non-financial customers	3,431,003	1,453,610	1,092,877	884,491
Total options	56,574,584	17,849,368	23,686,157	15,168,996
Other products	7,210	...	...	...
Total contracts	388,626,574	145,980,043	138,371,039	105,380,312

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 E.48

Notional amounts outstanding of OTC equity-linked derivatives by instrument, counterparty and remaining maturity at end-June 2007¹

In millions of US dollars

	Total	One year or less	Over 1 year and up to 5 years	Over 5 years
Forwards and swaps	3,426,489	1,612,812	1,264,024	549,669
with reporting dealers	747,128	432,673	215,309	99,161
with other financial institutions	2,125,498	895,180	887,295	343,019
with other non-financial customers	553,864	284,959	161,419	107,489
Options sold	5,434,471	2,465,515	2,503,746	453,665
with reporting dealers	2,717,647	1,186,633	1,323,521	206,007
with other financial institutions	2,223,912	1,097,088	922,473	194,475
with other non-financial customers	492,915	181,795	257,747	53,186
Options bought	4,567,410	2,192,002	1,931,051	433,038
with reporting dealers	2,619,469	1,186,091	1,204,383	228,918
with other financial institutions	1,663,291	857,396	633,792	162,395
with other non-financial customers	284,637	148,515	92,875	41,724
Total options	7,333,326	3,471,168	3,170,860	669,249
Total contracts	10,759,810	5,083,963	4,434,865	1,218,913

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 E.49

Notional amounts outstanding of OTC foreign exchange derivatives by instrument and counterparty at end-June 2001, 2004 and 2007¹

In millions of US dollars

	End-June 2001		End-June 2004		End-June 2007	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and FX swaps	13,274,760	548,026	16,763,791	459,617	29,771,042	667,480
with reporting dealers	5,087,097	217,712	6,834,095	191,668	10,576,042	254,232
with other financial institutions	5,656,643	226,226	6,579,777	165,060	12,280,620	256,298
with other non-financial customers	2,524,012	104,093	3,349,930	102,886	6,914,396	156,964
Total including gold	13,416,536	...	16,920,203	...	30,482,286	...
Currency swaps	4,302,469	339,177	7,938,591	505,366	14,126,807	664,671
with reporting dealers	1,222,032	61,879	3,078,941	114,194	5,704,040	173,552
with other financial institutions	1,865,087	157,227	3,112,463	229,223	5,957,011	308,183
with other non-financial customers	1,215,090	120,063	1,747,196	161,950	2,465,761	182,929
Options sold	1,791,414	49,887	4,702,476	98,624	9,915,023	204,596
with reporting dealers	904,337	23,585	2,565,614	50,516	6,127,064	124,120
with other financial institutions	547,268	13,948	1,144,366	22,220	2,282,195	49,326
with other non-financial customers	339,779	12,357	992,505	25,895	1,505,781	31,154
Total including gold	1,872,462	...	4,792,802	...	10,066,243	...
Options bought	1,987,822	53,467	4,646,972	100,603	9,880,162	197,822
with reporting dealers	1,005,855	24,261	2,554,475	52,989	6,139,281	125,506
with other financial institutions	604,039	14,615	1,102,087	20,518	2,215,249	44,428
with other non-financial customers	377,898	14,585	990,416	27,100	1,525,647	27,891
Total including gold	2,073,354	...	4,804,363	...	10,144,470	...
Total options	2,824,140	79,771	6,789,401	148,712	13,662,014	278,302
Other products²	33,458	...	8,547	...	36,724	...
Total contracts	20,434,827	966,974	31,500,330	1,113,695	57,596,587	1,610,453
Total contracts including gold	20,712,788	991,425	31,859,250	1,159,925	58,647,525	1,666,671

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 E.50

Notional amounts outstanding of OTC single currency interest rate derivatives by instrument and counterparty at end-June 2001, 2004 and 2007¹

In millions of US dollars

	End-June 2001		End-June 2004		End-June 2007	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forward rate agreements	7,678,463	32,423	14,399,076	210,844	25,607,251	145,108
with reporting dealers	3,703,859	11,989	7,494,387	78,719	11,982,197	57,687
with other financial institutions	3,130,571	17,332	5,860,151	111,919	12,398,005	75,493
with other non-financial customers	843,454	3,086	1,044,537	20,205	1,227,047	11,926
Swaps	57,219,677	1,530,587	137,277,091	3,977,945	306,437,541	5,812,561
with reporting dealers	28,029,397	705,278	61,460,458	1,648,293	129,949,653	2,194,440
with other financial institutions	24,130,478	653,262	58,131,535	1,726,363	135,157,049	2,857,708
with other non-financial customers	5,059,312	172,037	17,685,097	603,282	41,330,838	760,416
Options sold	8,068,552	130,814	18,398,995	290,177	44,211,453	574,161
with reporting dealers	4,532,972	73,426	10,075,192	176,449	28,708,784	392,176
with other financial institutions	2,483,346	38,805	5,405,614	69,757	10,845,062	143,352
with other non-financial customers	1,052,234	18,585	2,918,192	43,972	4,657,605	38,636
Options bought	7,430,378	127,540	17,402,011	279,482	40,675,505	584,492
with reporting dealers	4,637,932	73,307	10,013,370	175,517	27,915,959	407,554
with other financial institutions	2,215,969	40,419	5,176,059	64,067	9,328,545	142,112
with other non-financial customers	576,477	13,812	2,212,581	39,895	3,431,003	34,828
Total options	10,913,482	184,927	25,756,729	393,211	56,574,584	766,481
Other products	1,612	...	25,032	...	7,210	...
Total contracts	75,813,234	1,747,937	177,457,928	4,582,000	388,626,586	6,724,150

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 E.51

Notional amounts outstanding of OTC equity-linked derivatives by instrument and counterparty at end-June 2001, 2004 and 2007¹

In millions of US dollars

	End-June 2001		End-June 2004		End-June 2007	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and swaps	372,946	53,775	773,048	71,856	3,426,489	266,053
with reporting dealers	92,431	8,994	199,704	15,057	747,128	52,444
with other financial institutions	204,523	28,893	440,476	36,451	2,125,498	159,479
with other non-financial customers	75,989	15,888	132,877	20,352	553,864	54,133
Options sold	1,047,870	125,036	2,741,011	172,027	5,434,471	703,774
with reporting dealers	589,702	62,656	1,012,603	82,305	2,717,647	370,981
with other financial institutions	327,384	39,505	1,343,477	65,447	2,223,912	253,580
with other non-financial customers	130,785	22,874	384,931	24,273	492,915	79,211
Options bought	1,192,603	101,932	2,630,474	159,239	4,567,410	614,360
with reporting dealers	558,373	53,866	1,089,084	77,861	2,619,469	382,882
with other financial institutions	517,770	28,951	1,017,057	53,321	1,663,291	177,161
with other non-financial customers	116,461	19,110	524,333	28,053	284,637	54,318
Total options	1,666,438	164,311	4,320,652	248,961	7,333,326	947,153
Total contracts	2,039,384	218,086	5,093,700	320,817	10,759,815	1,213,206

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 E.52