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Conventions used in the tables

- = reported to be nil
- ... = not reported, suppressed for reasons of confidentiality or not meaningful

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

The term "global" refers only to data for which the BIS has made an adjustment for estimated gaps in reporting. The term "total" is used when referring to all reported transactions for a particular item or aggregate.

"Gross-gross", or simply "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.

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Total	Specified currency against all other currencies ¹					
		US dollar	Euro	Japanese yen	Pound sterling	Swiss franc	Canadian dollar
Spot	386,963	326,648	166,428	100,624	41,926	26,943	15,654
with reporting dealers	217,619	184,069	94,100	57,754	23,241	14,814	7,739
local	84,200	71,717	32,193	20,403	9,403	5,050	1,942
cross-border	133,420	112,352	61,907	37,351	13,838	9,764	5,797
with other financial institutions	111,482	95,513	50,278	27,777	12,924	8,202	5,307
local	50,966	44,115	20,851	12,281	6,059	3,490	2,795
cross-border	60,516	51,399	29,427	15,496	6,864	4,712	2,512
with non-financial customers	58,334	47,066	22,049	15,094	5,761	3,927	2,607
local	40,663	32,954	14,547	10,548	3,595	2,593	1,999
cross-border	17,198	14,112	7,503	4,545	2,166	1,334	608
Outright forwards	130,575	110,795	54,327	33,257	16,826	6,637	4,335
with reporting dealers	52,354	46,939	21,722	11,268	6,801	2,003	835
local	18,893	16,649	7,277	4,172	3,206	685	376
cross-border	33,461	30,291	14,446	7,096	3,595	1,318	459
with other financial institutions	40,798	34,415	17,534	10,046	5,922	2,230	1,854
local	23,800	19,794	9,687	6,355	4,072	1,368	1,293
cross-border	16,998	14,620	7,847	3,692	1,850	862	561
with non-financial customers	37,423	29,441	15,070	11,942	4,103	2,404	1,646
local	26,043	20,191	9,764	8,919	2,640	1,614	1,253
cross-border	11,380	9,250	5,306	3,023	1,463	789	393
Up to 7 days	50,816	42,881	21,513	13,067	7,320	2,669	1,350
Over 7 days and up to 1 year	76,151	64,676	31,639	19,430	8,973	3,813	2,879
Over 1 year	3,506	3,173	1,096	749	520	137	106
Foreign exchange swaps	655,528	622,998	220,790	132,169	96,558	37,473	32,286
with reporting dealers	418,889	405,713	129,658	91,743	57,384	22,616	18,828
local	140,919	136,056	35,746	32,672	22,708	6,700	4,834
cross-border	277,970	269,657	93,912	59,070	34,677	15,916	13,993
with other financial institutions	176,794	168,466	68,046	28,895	29,697	11,219	9,887
local	74,508	70,204	26,166	13,446	14,220	4,160	5,284
cross-border	102,285	98,262	41,880	15,449	15,478	7,059	4,603
with non-financial customers	60,109	48,820	23,086	11,531	9,476	3,638	3,571
local	38,983	30,965	14,755	7,006	6,489	2,328	2,673
cross-border	20,863	17,855	8,331	4,524	2,987	1,311	898
Up to 7 days	450,162	435,802	142,426	87,191	64,389	26,904	24,767
Over 7 days and up to 1 year	196,730	179,474	75,917	43,597	31,171	10,262	6,955
Over 1 year	8,055	7,429	2,284	1,346	937	260	561
Total	1,173,066	1,060,441	441,545	266,050	155,309	71,053	52,274

For footnotes, see opposite page.

Table E.1.1

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ¹								Category
Australian dollar	Brazilian real	Chinese renminbi	Czech koruna	Danish krone	Hong Kong dollar	Hungarian forint	Indian rupee	
13,768	3,766	39	736	2,988	5,956	160	1,213	Spot
8,565	1,932	30	474	1,677	3,716	81	621	with reporting dealers
3,545	1,796	3	191	462	1,998	64	594	local
5,020	135	27	283	1,215	1,718	17	27	cross-border
2,746	1,052	6	127	807	946	31	119	with other financial institutions
1,363	923	1	72	303	534	27	75	local
1,383	129	4	55	504	412	5	44	cross-border
2,456	783	4	135	504	1,295	48	474	with non-financial customers
1,906	742	4	125	413	1,239	45	473	local
550	40	–	10	90	56	3	1	cross-border
5,416	1,259	55	96	888	3,055	28	428	Outright forwards
2,416	159	25	43	255	1,994	8	77	with reporting dealers
919	76	11	3	96	578	3	64	local
1,497	82	14	40	159	1,416	5	13	cross-border
1,288	811	25	12	197	482	5	51	with other financial institutions
866	729	7	6	109	230	2	6	local
422	82	17	7	88	252	3	45	cross-border
1,712	290	6	40	436	579	15	300	with non-financial customers
1,305	277	4	37	335	530	15	300	local
407	13	2	3	101	49	0	0	cross-border
2,254	90	7	24	302	1,380	5	132	Up to 7 days
2,939	1,135	40	70	570	1,463	23	290	Over 7 days and up to 1 year
221	34	9	2	17	212	0	6	Over 1 year
30,470	213	0	1,402	10,713	18,370	8	1,200	Foreign exchange swaps
22,692	25	–	1,026	6,261	15,567	6	1,078	with reporting dealers
9,290	22	–	223	1,388	8,812	4	1,056	local
13,402	4	–	803	4,873	6,755	2	22	cross-border
4,884	83	0	242	3,469	2,357	2	110	with other financial institutions
2,388	76	–	64	1,592	701	2	102	local
2,497	7	0	179	1,877	1,656	–	8	cross-border
2,894	104	0	134	983	446	0	12	with non-financial customers
1,813	104	0	118	753	346	0	12	local
1,081	–	–	16	230	100	–	–	cross-border
23,973	6	–	1,080	7,454	10,722	4	629	Up to 7 days
5,766	136	0	301	3,145	7,046	5	563	Over 7 days and up to 1 year
730	70	–	20	113	601	–	8	Over 1 year
49,653	5,239	95	2,234	14,589	27,381	197	2,840	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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table E.1.1 (contd.)

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Specified currency against all other currencies ¹							
	Indonesian rupiah	Korean won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Polish zloty	Russian rouble
Spot	250	5,731	5,049	2,605	1,236	201	2,340	4,230
with reporting dealers	94	4,009	3,037	1,317	658	98	2,083	2,024
local	81	3,712	1,637	268	259	88	705	1,942
cross-border	14	297	1,400	1,049	399	9	1,378	82
with other financial institutions	46	712	1,522	647	202	49	188	1,439
local	36	160	932	280	92	34	30	626
cross-border	10	552	591	367	109	16	157	812
with non-financial customers	110	1,010	489	640	376	54	70	767
local	107	991	366	406	334	53	49	413
cross-border	3	19	123	234	42	1	21	354
Outright forwards	103	1,671	673	1,187	579	73	439	52
with reporting dealers	47	663	311	405	306	12	330	27
local	38	194	131	155	40	4	88	1
cross-border	9	469	180	251	267	8	243	26
with other financial institutions	10	622	224	365	111	15	82	21
local	5	173	123	223	77	3	11	14
cross-border	5	449	101	143	34	12	70	7
with non-financial customers	46	386	138	417	162	46	27	3
local	16	359	99	296	137	44	14	3
cross-border	31	28	39	120	25	2	13	1
Up to 7 days	52	356	141	380	222	13	230	44
Over 7 days and up to 1 year	53	1,269	489	781	343	59	201	7
Over 1 year	1	47	43	27	14	1	8	–
Foreign exchange swaps	198	2,354	4,364	13,909	4,910	228	3,545	0
with reporting dealers	104	2,135	2,675	8,896	3,795	130	2,727	–
local	80	1,551	494	2,082	536	126	617	–
cross-border	25	584	2,181	6,814	3,259	3	2,110	–
with other financial institutions	53	44	1,523	3,988	749	70	680	0
local	22	24	396	1,315	162	62	25	–
cross-border	31	20	1,127	2,673	587	8	655	0
with non-financial customers	41	175	166	1,025	365	28	138	–
local	38	168	124	676	224	28	45	–
cross-border	3	7	41	349	141	0	93	–
Up to 7 days	146	2,034	3,808	8,283	4,074	83	2,229	–
Over 7 days and up to 1 year	53	314	508	5,428	778	140	1,290	0
Over 1 year	–	5	49	198	57	5	27	–
Total	552	9,757	10,086	17,701	6,725	502	6,325	4,282

For footnotes, see opposite page.

Table E.1.2

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ¹								Category
Swedish krona	South African rand	Singapore dollar	New Taiwan dollar	Thai baht	Turkish lira	Currencies of other reporting countries ²	Residual currencies	
6,129	1,958	2,756	2,246	530	256	3,288	28,271	Spot
2,727	1,018	1,790	747	319	129	1,537	14,837	with reporting dealers
585	430	1,003	650	153	14	1,385	6,125	local
2,142	588	787	97	166	115	152	8,712	cross-border
1,651	550	401	259	49	107	1,064	8,246	with other financial institutions
640	311	166	124	17	46	1,027	4,523	local
1,012	238	235	135	31	61	37	3,723	cross-border
1,751	391	566	1,240	163	20	1,161	5,661	with non-financial customers
1,301	318	496	1,193	156	12	665	3,284	local
450	73	70	47	6	9	23	1,904	cross-border
3,207	825	825	603	231	164	1,009	12,109	Outright forwards
1,085	324	327	235	75	35	307	5,675	with reporting dealers
478	175	70	64	22	12	272	1,929	local
606	148	257	171	53	23	36	3,745	cross-border
856	244	196	109	47	108	335	3,378	with other financial institutions
405	116	112	28	18	3	326	1,439	local
451	129	84	82	29	105	9	1,939	cross-border
1,265	257	302	258	108	21	367	3,057	with non-financial customers
864	208	193	212	104	16	341	1,997	local
401	49	109	46	5	5	26	1,060	cross-border
1,080	296	266	113	49	20	...	...	Up to 7 days
2,058	471	518	418	172	141	...	...	Over 7 days and up to 1 year
71	59	39	72	10	2	...	...	Over 1 year
20,811	8,543	9,305	319	1,098	14	1,286	35,522	Foreign exchange swaps
10,024	4,663	6,389	212	893	3	807	21,727	with reporting dealers
1,765	2,408	4,278	210	574	0	404	7,198	local
8,259	2,255	2,111	2	319	3	403	14,529	cross-border
5,994	3,135	884	74	120	9	435	8,470	with other financial institutions
2,444	937	392	68	30	7	430	4,299	local
3,549	2,198	492	6	91	2	5	4,171	cross-border
4,793	745	2,032	34	85	1	307	5,587	with non-financial customers
3,447	366	1,948	34	61	1	30	3,414	local
1,346	380	84	—	24	—	14	1,910	cross-border
13,045	5,995	5,944	50	755	6	...	...	Up to 7 days
7,492	2,231	3,238	232	328	8	...	...	Over 7 days and up to 1 year
274	317	124	38	15	—	...	...	Over 1 year
30,146	11,327	12,886	3,167	1,859	433	5,583	75,902	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 Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. ² Includes only transactions where at least one counterparty is located in the country of issue of the currency in question.

Table E.1.2 (contd.)

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

US dollar against:

Daily averages in millions of US dollars

Category	Total	Euro	Japanese yen	Pound sterling	Swiss franc
Spot	326,648	115,624	80,947	27,900	17,661
with reporting dealers	184,069	64,565	45,848	16,048	9,373
local	71,717	21,309	15,093	6,686	3,427
cross-border	112,352	43,256	30,755	9,362	5,946
with other financial institutions	95,513	36,699	23,246	8,542	5,727
local	44,115	15,622	10,571	4,091	2,627
cross-border	51,399	21,077	12,675	4,450	3,100
with non-financial customers	47,066	14,360	11,853	3,310	2,561
local	32,954	9,231	8,260	1,923	1,649
cross-border	14,112	5,129	3,593	1,387	911
Outright forwards	110,795	39,818	25,645	11,317	4,859
with reporting dealers	46,939	17,636	9,476	5,399	1,602
local	16,649	5,554	3,328	2,585	573
cross-border	30,291	12,082	6,149	2,813	1,029
with other financial institutions	34,415	12,777	7,678	3,776	1,753
local	19,794	6,655	4,617	2,613	1,113
cross-border	14,620	6,122	3,061	1,163	640
with non-financial customers	29,441	9,405	8,490	2,142	1,504
local	20,191	5,595	6,259	1,335	925
cross-border	9,250	3,809	2,231	807	579
Up to 7 days	42,881	15,377	10,065	5,176	2,100
Over 7 days and up to 1 year	64,676	23,514	14,945	5,746	2,628
Over 1 year	3,173	879	632	389	118
Foreign exchange swaps	622,998	198,564	124,821	86,273	34,564
with reporting dealers	405,713	121,116	88,697	53,339	21,537
local	136,056	32,466	31,551	20,993	6,256
cross-border	269,657	88,650	57,146	32,346	15,281
with other financial institutions	168,466	61,709	27,022	26,958	10,519
local	70,204	22,537	12,464	12,655	3,838
cross-border	98,262	39,171	14,557	14,303	6,681
with non-financial customers	48,820	15,739	9,102	5,975	2,508
local	30,965	9,359	4,880	3,953	1,511
cross-border	17,855	6,380	4,222	2,023	997
Up to 7 days	435,802	134,710	84,498	60,763	25,693
Over 7 days and up to 1 year	179,474	61,833	39,104	24,789	8,602
Over 1 year	7,429	1,875	1,186	664	232
Total	1,060,441	354,006	231,413	125,490	57,084

Table E.2

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

US dollar against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
15,135	12,738	30,460	26,183	Spot
7,612	8,303	17,786	14,533	with reporting dealers
1,902	3,433	14,333	5,534	local
5,710	4,870	3,453	9,000	cross-border
5,101	2,417	5,831	7,952	with other financial institutions
2,661	1,112	4,087	3,344	local
2,440	1,304	1,744	4,608	cross-border
2,422	2,018	6,843	3,698	with non-financial customers
1,845	1,515	6,146	2,384	local
577	503	697	1,313	cross-border
3,723	4,810	6,557	14,067	Outright forwards
742	2,305	2,109	7,671	with reporting dealers
328	871	1,024	2,386	local
414	1,434	1,084	5,285	cross-border
1,580	1,177	1,703	3,970	with other financial institutions
1,077	790	1,334	1,594	local
502	387	369	2,376	cross-border
1,401	1,328	2,745	2,426	with non-financial customers
1,054	986	2,488	1,550	local
348	342	257	876	cross-border
1,129	2,037	1,663	5,335	Up to 7 days
2,492	2,582	4,579	8,191	Over 7 days and up to 1 year
102	191	320	542	Over 1 year
31,469	29,625	51,457	66,225	Foreign exchange swaps
18,698	22,309	37,864	42,152	with reporting dealers
4,767	8,999	20,375	10,650	local
13,932	13,310	17,489	31,502	cross-border
9,657	4,751	7,868	19,980	with other financial institutions
5,095	2,302	3,168	8,143	local
4,562	2,450	4,700	11,837	cross-border
3,113	2,565	5,725	4,092	with non-financial customers
2,365	1,511	4,860	2,526	local
748	1,054	865	1,566	cross-border
24,457	23,596	32,431	49,654	Up to 7 days
6,457	5,382	17,875	15,431	Over 7 days and up to 1 year
553	645	1,150	1,123	Over 1 year
50,327	47,172	88,474	106,474	Total

Table E.2 (contd.)

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Euro against:

Daily averages in millions of US dollars

Category	Total	US dollar	Japanese yen	Pound sterling	Swiss franc
Spot	166,428	115,624	18,032	12,229	8,609
with reporting dealers	94,100	64,565	11,435	6,672	5,167
local	32,193	21,309	5,061	2,428	1,427
cross-border	61,907	43,256	6,374	4,244	3,740
with other financial institutions	50,278	36,699	4,212	3,848	2,352
local	20,851	15,622	1,529	1,614	768
cross-border	29,427	21,077	2,683	2,234	1,583
with non-financial customers	22,049	14,360	2,385	1,709	1,091
local	14,547	9,231	1,580	1,133	706
cross-border	7,503	5,129	805	577	386
Outright forwards	54,327	39,818	5,987	3,924	1,449
with reporting dealers	21,722	17,636	1,458	1,164	360
local	7,277	5,554	635	477	92
cross-border	14,446	12,082	822	687	268
with other financial institutions	17,534	12,777	1,942	1,522	402
local	9,687	6,655	1,381	1,005	217
cross-border	7,847	6,122	560	517	185
with non-financial customers	15,070	9,405	2,587	1,238	687
local	9,764	5,595	1,966	819	528
cross-border	5,306	3,809	621	419	159
Up to 7 days	21,513	15,377	2,497	1,474	478
Over 7 days and up to 1 year	31,639	23,514	3,418	2,345	956
Over 1 year	1,096	879	64	99	10
Foreign exchange swaps	220,790	198,564	6,092	8,330	2,206
with reporting dealers	129,658	121,116	2,611	3,696	979
local	35,746	32,466	846	1,525	386
cross-border	93,912	88,650	1,765	2,171	593
with other financial institutions	68,046	61,709	1,481	2,164	591
local	26,166	22,537	707	1,147	236
cross-border	41,880	39,171	774	1,017	356
with non-financial customers	23,086	15,739	2,000	2,469	635
local	14,755	9,359	1,723	1,689	361
cross-border	8,331	6,380	277	780	274
Up to 7 days	142,426	134,710	2,313	2,785	854
Over 7 days and up to 1 year	75,917	61,833	3,679	5,317	1,327
Over 1 year	2,284	1,875	100	225	13
Total	441,545	354,006	30,111	24,483	12,264

Table E.3

Foreign exchange turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001

Euro against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
300	486	3,658	7,488	Spot
87	125	1,863	4,186	with reporting dealers
23	45	776	1,124	local
64	80	1,087	3,062	cross-border
129	272	643	2,124	with other financial institutions
73	214	289	742	local
56	58	354	1,382	cross-border
84	89	1,152	1,179	with non-financial customers
64	65	1,013	755	local
20	25	139	424	cross-border
300	188	557	2,104	Outright forwards
45	35	33	991	with reporting dealers
22	8	16	472	local
22	27	17	519	cross-border
150	62	101	579	with other financial institutions
112	40	77	201	local
39	22	24	379	cross-border
105	91	424	533	with non-financial customers
72	59	367	358	local
33	32	57	175	cross-border
95	64	184	1,345	Up to 7 days
202	116	344	743	Over 7 days and up to 1 year
2	8	17	16	Over 1 year
545	307	1,611	3,137	Foreign exchange swaps
93	110	196	857	with reporting dealers
46	69	62	346	local
47	40	134	511	cross-border
140	90	344	1,527	with other financial institutions
103	49	321	1,066	local
37	41	23	460	cross-border
311	107	1,070	753	with non-financial customers
180	92	904	446	local
132	15	166	307	cross-border
261	143	474	885	Up to 7 days
278	159	1,116	2,208	Over 7 days and up to 1 year
4	5	20	42	Over 1 year
1,145	981	5,826	12,729	Total

Table E.3 (contd.)

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Daily averages in millions of US dollars

Country	Total	Specified currency against all other currencies ²				
		US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
Australia	51,886	50,037	6,706	7,930	3,654	746
Austria	7,950	6,670	5,594	1,131	379	1,009
Bahrain	2,950	2,443	1,158	353	280	253
Belgium	10,051	8,815	6,010	797	1,446	825
Brazil	4,844	4,523	160	210	6	12
Canada	41,646	40,088	6,559	3,590	3,276	1,739
Chile	2,328	2,323	32	14	1	0
China	—	—	—	—	—	—
Colombia	394	384	19	5	0	1
Czech Republic	2,028	1,357	1,036	12	23	16
Denmark	23,294	19,473	7,920	1,019	1,085	1,613
Finland	1,597	1,211	1,336	42	123	17
France	47,972	44,466	34,917	4,955	4,072	2,984
Germany	88,469	75,808	56,368	16,060	9,348	6,837
Greece	4,778	3,220	3,994	1,805	134	273
Hong Kong SAR	66,823	64,618	11,505	13,933	3,856	1,104
Hungary	581	401	468	51	21	15
India	3,416	3,241	304	155	203	37
Indonesia	3,857	3,051	382	272	144	62
Ireland	8,287	6,925	5,800	1,205	1,939	210
Israel	738	—	—	—	—	—
Italy	16,950	14,060	12,948	3,880	1,042	897
Japan	146,780	135,069	25,934	109,708	4,961	1,252
Korea	9,597	9,473	307	700	74	12
Luxembourg	12,908	11,233	7,840	1,824	1,413	1,434
Malaysia	1,248	1,209	88	155	24	9
Mexico	8,574	8,568	7	7	5	2
Netherlands	29,985	25,565	22,247	3,364	2,566	3,710
New Zealand	3,892	3,593	303	237	184	6
Norway	12,841	11,282	4,266	690	359	177
Peru	241	241	21	0	—	0
Philippines	1,061	1,056	24	108	9	4
Poland	7,534	5,346	291	—	—	—
Portugal	1,708	1,262	1,461	212	217	124
Russia	9,589	9,438	860	163	175	79
Saudi Arabia	2,024	1,870	502	321	128	49
Singapore	100,655	95,907	28,549	26,016	9,303	1,847
Slovakia	676	572	321	22	19	26
Slovenia	91	9	50	0	1	1
South Africa	9,847	9,475	920	279	435	80
Spain	7,579	6,919	6,583	390	359	192
Sweden	24,076	15,297	7,723	962	1,508	370
Switzerland	70,824	60,793	31,571	10,473	5,733	24,215
Taiwan, China	4,327	4,097	568	966	94	57
Thailand	1,896	1,828	75	204	14	8
Turkey	1,042	993	704	23	53	16
United Kingdom	504,429	462,094	207,268	87,698	122,852	28,042
United States	253,654	236,436	100,111	67,622	25,901	17,687
Total	1,617,917	1,472,741	611,809	369,567	207,419	98,050

For footnotes, see opposite page.

Table E.4

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Daily averages in millions of US dollars

Specified currency against all other currencies ²				Country
Canadian dollar	Australian dollar	Currencies of other reporting countries ³	Residual currencies	
1,406	26,839	5,534	920	Australia
128	75	849	65	Austria
32	12	294	1,073	Bahrain
145	116	1,914	34	Belgium
5	1	4,666	106	Brazil
25,675	938	718	710	Canada
0	–	2,282	3	Chile
–	–	–	–	China
0	0	378	1	Colombia
2	0	1,547	63	Czech Republic
195	109	14,621	552	Denmark
15	9	426	14	Finland
1,206	510	2,599	234	France
573	706	7,367	3,873	Germany
19	49	41	21	Greece
623	4,218	29,150	4,639	Hong Kong SAR
5	1	193	7	Hungary
4	12	2,831	44	India
1	895	625	2,283	Indonesia
109	75	254	56	Ireland
–	–	738	738	Israel
108	96	801	67	Italy
972	4,910	2,057	8,696	Japan
45	33	8,456	95	Korea
305	50	663	1,052	Luxembourg
0	19	989	3	Malaysia
1	1	8,558	–	Mexico
152	79	1,368	919	Netherlands
17	641	2,802	–	New Zealand
125	18	8,723	42	Norway
–	–	220	0	Peru
1	3	463	454	Philippines
–	–	5,507	3,924	Poland
9	3	116	12	Portugal
9	28	4,159	4,267	Russia
2	11	1,059	105	Saudi Arabia
2,563	4,179	11,600	21,349	Singapore
–	–	392	–	Slovakia
0	0	91	30	Slovenia
6	29	8,046	426	South Africa
102	6	563	44	Spain
271	102	16,831	5,089	Sweden
450	708	2,672	5,032	Switzerland
11	37	2,653	172	Taiwan, China
1	4	1,532	126	Thailand
0	0	296	–	Turkey
18,787	16,945	40,751	24,422	United Kingdom
18,444	7,106	22,868	11,130	United States
72,524	69,572	231,263	102,889	Total

¹ Spot, outright forward and foreign exchange swap transactions. Data for Poland exclude euro deals other than those against domestic currency. 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 only transactions where at least one counterparty is located in the country of issue of the currency in question.

Table E.4 (contd.)

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Country	Total	Euro ²	Japanese yen	Pound sterling	Swiss franc
Australia	50,037	5,920	7,244	3,333	640
Austria	6,670	4,332	667	256	603
Bahrain	2,443	698	329	174	61
Belgium	8,815	4,786	636	999	478
Brazil	4,523	54	105	4	11
Canada	40,088	5,418	3,287	3,024	1,631
Chile	2,323	29	13	1	0
China	—	—	—	—	—
Colombia	384	15	0	0	0
Czech Republic	1,357	380	9	15	11
Denmark	19,473	4,886	808	811	1,355
Finland	1,211	949	18	49	0
France	44,466	31,481	3,973	2,705	2,395
Germany	75,808	45,250	12,973	6,120	4,534
Greece	3,220	2,447	353	96	251
Hong Kong SAR	64,618	10,203	12,786	3,702	1,104
Hungary	401	298	32	6	7
India	3,241	217	117	137	30
Indonesia	3,051	360	265	143	62
Ireland	6,925	4,467	779	1,207	128
Israel	—	—	—	—	—
Italy	14,060	10,073	2,502	343	673
Japan	135,069	19,370	101,634	4,219	992
Korea	9,473	270	639	66	10
Luxembourg	11,233	6,277	1,447	955	1,048
Malaysia	1,209	71	138	21	8
Mexico	8,568	6	6	4	1
Netherlands	25,565	18,147	2,269	911	3,232
New Zealand	3,593	229	190	137	5
Norway	11,282	2,969	477	255	162
Peru	241	21	0	—	0
Philippines	1,056	23	106	8	4
Poland	5,346	—	—	—	—
Portugal	1,262	1,022	74	51	92
Russia	9,438	769	136	159	75
Saudi Arabia	1,870	408	241	123	46
Singapore	95,907	25,701	24,234	8,842	1,619
Slovakia	572	220	14	16	23
Slovenia	9	—	—	—	—
South Africa	9,475	685	124	365	74
Spain	6,919	5,924	178	124	137
Sweden	15,297	3,447	674	982	227
Switzerland	60,793	24,595	8,458	4,560	18,664
Taiwan, China	4,097	445	820	77	54
Thailand	1,828	44	165	10	7
Turkey	993	654	19	43	14
United Kingdom	462,094	170,040	74,382	102,152	23,917
United States	236,436	84,395	62,145	22,808	14,954
Total	1,472,741	497,996	325,464	170,011	79,341

For footnotes, see opposite page.

Table E.5

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Country
1,378	25,641	...	5,881	Australia
114	67	...	632	Austria
26	9	76	1,072	Bahrain
119	107	...	1,690	Belgium
4	0	4,345	1	Brazil
25,177	921	...	631	Canada
0	—	2,277	3	Chile
—	—	—	—	China
0	0	368	0	Colombia
1	0	880	60	Czech Republic
189	104	5,976	5,344	Denmark
9	8	...	178	Finland
1,120	484	...	2,310	France
462	621	...	5,848	Germany
17	47	...	9	Greece
623	4,218	24,260	7,724	Hong Kong SAR
2	1	53	2	Hungary
3	5	2,663	69	India
1	894	568	759	Indonesia
100	73	...	170	Ireland
—	—	—	—	Israel
86	75	...	309	Italy
694	4,670	...	3,490	Japan
42	31	8,297	119	Korea
293	42	...	1,172	Luxembourg
0	18	897	56	Malaysia
0	0	8,551	0	Mexico
114	57	...	835	Netherlands
15	498	2,517	3	New Zealand
107	12	7,054	245	Norway
—	—	220	0	Peru
1	2	454	457	Philippines
—	—	4,359	987	Poland
6	2	...	16	Portugal
9	26	4,083	4,180	Russia
2	10	1,002	38	Saudi Arabia
2,555	4,096	11,345	17,515	Singapore
—	—	298	0	Slovakia
—	—	9	—	Slovenia
5	26	7,775	420	South Africa
64	4	...	488	Spain
247	85	7,918	1,717	Sweden
395	678	...	3,443	Switzerland
8	34	2,525	134	Taiwan, China
1	3	1,477	121	Thailand
0	0	253	10	Turkey
18,237	16,357	...	57,009	United Kingdom
18,160	6,860	...	27,114	United States
70,383	66,786	110,500	152,261	Total

¹ Spot, outright forward and foreign exchange swap transactions. ² Data for Poland exclude euro deals other than those against domestic currency. Table E.5 (contd.)

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Country	Total	US dollar	Japanese yen	Pound sterling	Swiss franc
Australia	6,706	5,920	296	97	90
Austria	5,594	4,332	464	124	406
Bahrain	1,158	698	23	105	186
Belgium	6,010	4,786	161	447	347
Brazil	160	54	—	—	—
Canada	6,559	5,418	222	133	89
Chile	32	29	—	—	—
China	—	—	—	—	—
Colombia	19	15	0	0	0
Czech Republic	1,036	380	2	5	3
Denmark	7,920	4,886	163	150	160
Finland	1,336	949	24	74	17
France	34,917	31,481	982	1,367	589
Germany	56,368	45,250	3,087	3,228	2,303
Greece	3,994	2,447	1,453	38	23
Hong Kong SAR	11,505	10,203	1,148	155	—
Hungary	468	298	18	11	5
India	304	217	31	3	1
Indonesia	382	360	4	—	—
Ireland	5,800	4,467	427	731	82
Israel	—	—	—	—	—
Italy	12,948	10,073	1,378	700	224
Japan	25,934	19,370	6,225	119	114
Korea	307	270	4	—	—
Luxembourg	7,840	6,277	377	459	386
Malaysia	88	71	6	—	0
Mexico	7	6	—	0	—
Netherlands	22,247	18,147	1,096	1,656	478
New Zealand	303	229	4	3	0
Norway	4,266	2,969	152	41	11
Peru	21	21	—	—	—
Philippines	24	23	—	—	—
Poland	291	—	—	—	—
Portugal	1,461	1,022	138	167	31
Russia	860	769	27	16	3
Saudi Arabia	502	408	78	3	3
Singapore	28,549	25,701	1,729	440	222
Slovakia	321	220	8	2	3
Slovenia	50	—	—	—	—
South Africa	920	685	117	6	0
Spain	6,583	5,924	212	235	55
Sweden	7,723	3,447	184	214	75
Switzerland	31,571	24,595	1,595	639	4,446
Taiwan, China	568	445	90	13	0
Thailand	75	44	17	0	0
Turkey	704	654	5	10	2
United Kingdom	207,268	170,040	11,649	17,104	3,775
United States	100,111	84,395	5,477	3,093	2,733
Total	611,809	497,996	39,072	31,585	16,865

For footnotes, see opposite page.

Table E.6

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Country
6	265	...	32	Australia
14	8	...	245	Austria
6	3	1	135	Bahrain
26	9	...	233	Belgium
—	—	106	0	Brazil
217	3	...	475	Canada
—	—	3	1	Chile
—	—	—	—	China
—	—	4	0	Colombia
2	—	627	18	Czech Republic
2	1	1,423	1,136	Denmark
6	2	...	264	Finland
85	27	...	385	France
110	85	...	2,304	Germany
2	1	...	32	Greece
—	—	—	0	Hong Kong SAR
3	0	125	6	Hungary
0	0	52	0	India
—	—	3	15	Indonesia
10	2	...	81	Ireland
—	—	—	—	Israel
22	21	...	530	Italy
7	12	...	86	Japan
—	—	32	1	Korea
12	9	...	320	Luxembourg
—	—	9	1	Malaysia
0	—	1	0	Mexico
38	22	...	810	Netherlands
—	15	53	0	New Zealand
0	4	932	157	Norway
—	—	—	—	Peru
—	—	1	0	Philippines
—	—	291	—	Poland
3	1	...	100	Portugal
0	2	14	27	Russia
—	0	8	2	Saudi Arabia
6	64	75	311	Singapore
—	—	88	0	Slovakia
—	—	50	—	Slovenia
—	—	110	1	South Africa
38	2	...	117	Spain
3	0	2,996	804	Sweden
12	8	...	275	Switzerland
—	0	17	2	Taiwan, China
—	0	9	5	Thailand
0	0	32	1	Turkey
361	316	...	4,024	United Kingdom
285	246	...	3,882	United States
1,278	1,129	7,064	16,821	Total

¹ Spot, outright forward and foreign exchange swap transactions. Data for Poland exclude euro deals other than those against domestic currency. Table E.6 (contd.)

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Local currency against:

Daily averages in millions of US dollars

Country	Total	US dollar	Euro	Japanese yen	Pound sterling
Australia	26,839	25,641	265	391	224
Austria	5,594	4,332	...	464	124
Bahrain	112	76	1	1	2
Belgium	6,010	4,786	–	161	447
Brazil	4,666	4,345	106	105	2
Canada	25,675	25,177	217	82	119
Chile	2,282	2,277	3	1	0
China	–	–	–	–	–
Colombia	378	368	4	5	0
Czech Republic	1,522	880	627	1	3
Denmark	7,819	5,976	1,423	48	124
Finland	1,336	949	...	24	74
France	34,917	31,481	–	982	1,367
Germany	56,368	45,250	...	3,087	3,228
Greece	3,994	2,447	–	1,453	38
Hong Kong SAR	24,578	24,260	–	–	–
Hungary	188	53	125	1	4
India	2,802	2,663	52	7	63
Indonesia	579	568	3	3	0
Ireland	5,800	4,467	...	427	731
Israel	738	–	–	–	–
Italy	12,948	10,073	...	1,378	700
Japan	109,708	101,634	6,225	–	624
Korea	8,416	8,297	32	57	8
Luxembourg	7,840	6,277	...	377	459
Malaysia	928	897	9	10	3
Mexico	8,557	8,551	1	1	1
Netherlands	22,247	18,147	...	1,096	1,656
New Zealand	2,794	2,517	53	44	44
Norway	8,210	7,054	932	61	63
Peru	220	220	–	–	–
Philippines	459	454	1	2	2
Poland	5,507	4,359	291	–	–
Portugal	1,461	1,022	...	138	167
Russia	4,158	4,083	14	0	0
Saudi Arabia	1,034	1,002	8	2	2
Singapore	11,600	11,345	75	53	21
Slovakia	390	298	88	0	1
Slovenia	91	9	50	0	1
South Africa	8,016	7,775	110	38	63
Spain	6,583	5,924	–	212	235
Sweden	14,063	7,918	2,996	105	312
Switzerland	24,215	18,664	4,446	419	533
Taiwan, China	2,647	2,525	17	57	4
Thailand	1,520	1,477	9	23	4
Turkey	285	253	32	–	0
United Kingdom	122,852	102,152	17,104	1,666	–
United States	236,436	–	84,395	62,145	22,808
Total	835,380	518,924	119,724	75,127	34,259

For footnotes, see opposite page.

Table E.7

Foreign exchange turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Local currency against:

Daily averages in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Residual currencies	Country
15	22	...	280	Australia
406	14	8	245	Austria
6	0	0	26	Bahrain
347	26	9	233	Belgium
1	1	1	105	Brazil
18	0	13	48	Canada
0	0	0	0	Chile
–	0	0	–	China
0	0	0	0	Colombia
2	0	0	9	Czech Republic
98	5	4	141	Denmark
17	6	2	264	Finland
589	85	27	385	France
2,303	110	85	2,304	Germany
23	2	1	32	Greece
–	0	0	318	Hong Kong SAR
2	0	0	3	Hungary
5	1	7	4	India
0	0	1	3	Indonesia
82	10	2	81	Ireland
–	0	0	738	Israel
224	22	21	530	Italy
146	272	228	579	Japan
2	3	2	15	Korea
386	12	9	320	Luxembourg
1	0	1	7	Malaysia
1	1	1	1	Mexico
478	38	22	810	Netherlands
1	1	129	5	New Zealand
4	18	2	77	Norway
–	0	0	–	Peru
0	0	0	0	Philippines
–	0	0	857	Poland
31	3	1	100	Portugal
0	0	0	60	Russia
1	0	0	19	Saudi Arabia
6	2	18	79	Singapore
1	0	0	2	Slovakia
1	0	0	30	Slovenia
6	1	3	20	South Africa
55	38	2	117	Spain
68	21	16	2,628	Sweden
–	42	23	87	Switzerland
2	3	3	37	Taiwan, China
1	0	1	7	Thailand
–	0	0	0	Turkey
350	190	273	1,116	United Kingdom
14,954	18,160	6,860	27,114	United States
20,637	19,109	7,773	39,828	Total

¹ Spot, outright forward and foreign exchange swap transactions.

Table E.7 (contd.)

Foreign exchange turnover by country and counterparty in April 2001¹

Total

Daily averages in millions of US dollars

Country	Gross turnover	Net turnover ²				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Australia	64,534	51,886	12,648	33,753	...	5,485
Austria	8,075	7,950	125	5,900	1,735	191
Bahrain	3,065	2,950	115	1,819	783	234
Belgium	10,389	10,051	338	5,496	3,083	1,135
Brazil	6,611	4,844	1,766	218	1,785	1,075
Canada	45,845	41,646	4,199	22,483	9,919	5,045
Chile	3,492	2,328	1,164	–	824	340
China	191	–	–	–	–	–
Colombia	512	394	118	27	141	108
Czech Republic	2,422	2,028	394	1,159	243	231
Denmark	24,412	23,294	1,118	16,305	3,158	2,713
Finland	1,607	1,597	11	873	119	594
France	52,829	47,972	4,858	30,752	8,897	3,464
Germany	97,615	88,469	9,145	60,377	12,233	6,715
Greece	4,930	4,778	152	1,715	507	2,404
Hong Kong SAR	80,008	66,823	13,185	43,519	6,179	3,941
Hungary	664	581	83	342	53	103
India	5,262	3,416	1,846	495	249	825
Indonesia	4,127	3,857	270	1,982	1,390	214
Ireland	9,044	8,287	757	5,625	1,461	445
Israel	1,747	738	273	465	–	736
Italy	17,497	16,950	547	12,189	2,531	1,683
Japan	176,655	146,780	29,875	92,803	10,189	13,914
Korea	14,991	9,597	5,394	1,881	790	1,533
Luxembourg	13,379	12,908	471	9,831	1,778	827
Malaysia	1,416	1,248	168	166	603	312
Mexico	10,220	8,574	1,646	5,354	1,170	404
Netherlands	31,708	29,985	1,723	17,511	8,466	2,285
New Zealand	4,072	3,892	180	2,401	745	566
Norway	13,907	12,841	1,066	10,013	780	982
Peru	291	241	50	55	24	113
Philippines	1,496	1,061	436	118	268	239
Poland	8,860	7,534	1,326	6,208	–	–
Portugal	1,748	1,708	40	1,127	142	399
Russia	13,715	9,589	4,126	–	3,823	1,639
Saudi Arabia	2,309	2,024	286	1,093	284	361
Singapore	112,820	100,655	12,164	68,298	9,614	10,579
Slovakia	708	676	32	436	196	12
Slovenia	96	91	5	–	–	86
South Africa	11,975	9,847	2,127	3,332	2,902	1,485
Spain	7,767	7,579	188	3,082	3,438	872
Sweden	24,570	24,076	494	10,923	4,800	7,859
Switzerland	77,684	70,824	6,860	43,049	7,767	13,147
Taiwan, China	5,308	4,327	981	1,192	366	1,788
Thailand	2,655	1,896	759	731	52	355
Turkey	1,079	1,042	37	673	246	86
United Kingdom	591,163	504,429	86,733	254,435	138,420	24,840
United States	287,389	253,654	33,734	109,495	76,922	33,503
Total	1,862,858	1,617,917	244,012	889,701	329,074	155,865

¹ Spot, outright forward and foreign exchange swap transactions. ² Net of local inter-dealer double-counting Table E.8

Foreign exchange turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Spot

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	13,178	3,205	8,021	...	...	1,358	593
Austria	4,396	60	3,170	215	887	43	22
Bahrain	1,496	40	847	10	392	23	183
Belgium	2,696	149	1,248	69	775	321	134
Brazil	3,648	1,749	161	903	109	694	32
Canada	10,866	869	5,586	1,409	1,471	1,133	397
Chile	1,693	944	–	541	–	208	–
China	–	–	–	–	–	–	–
Colombia	315	99	20	99	5	88	3
Czech Republic	848	182	452	67	40	104	4
Denmark	4,281	209	2,591	132	555	454	340
Finland	503	8	288	28	12	159	8
France	8,725	1,044	4,692	401	1,550	746	292
Germany	26,237	2,611	17,074	1,540	2,915	1,064	1,033
Greece	1,971	22	513	82	97	1,225	31
Hong Kong SAR	18,968	2,323	12,686	325	1,547	1,590	497
Hungary	361	69	191	26	11	62	3
India	1,576	706	271	67	40	493	0
Indonesia	3,341	135	1,766	1,311	13	112	3
Ireland	4,041	114	2,806	125	862	71	64
Israel	324	174	150	–	–	–	–
Italy	5,218	270	3,043	371	595	913	27
Japan	36,756	7,374	20,443	1,461	1,745	5,045	688
Korea	5,859	3,674	712	109	325	1,021	18
Luxembourg	4,184	323	3,012	178	266	208	197
Malaysia	467	35	113	174	68	72	5
Mexico	4,407	1,383	1,684	725	247	260	108
Netherlands	5,330	266	2,886	263	1,281	471	163
New Zealand	965	47	561	52	86	215	4
Norway	3,419	112	2,838	84	80	292	14
Peru	205	45	29	21	0	109	1
Philippines	458	175	73	68	44	98	1
Poland	4,193	712	3,481	–	–	–	–
Portugal	917	36	531	21	66	238	26
Russia	9,435	4,125	–	1,391	2,287	864	768
Saudi Arabia	1,226	114	637	206	47	222	–
Singapore	34,479	3,696	25,021	580	1,516	2,786	881
Slovakia	288	15	181	79	–	12	–
Slovenia	82	2	–	–	–	62	17
South Africa	2,082	275	885	164	182	281	296
Spain	2,670	88	1,169	215	767	411	18
Sweden	5,857	173	2,836	294	775	1,518	261
Switzerland	23,388	3,480	12,139	1,807	1,418	2,671	1,873
Taiwan, China	3,171	732	732	119	132	1,392	64
Thailand	597	146	259	9	12	167	3
Turkey	364	13	278	36	22	13	1
United Kingdom	151,396	27,126	79,933	16,579	20,642	2,571	4,544
United States	103,505	15,051	40,829	18,613	16,632	8,802	3,579
Total	520,382	84,200	266,839	50,966	60,516	40,663	17,198

Table E.9

Foreign exchange turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Outright forwards

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	3,456	713	1,620	...	...	961	162
Austria	471	5	269	12	141	42	1
Bahrain	721	29	401	2	268	5	15
Belgium	663	31	202	22	136	211	61
Brazil	986	1	40	689	11	243	0
Canada	2,250	104	542	492	396	577	139
Chile	635	219	–	283	–	132	–
China	–	–	–	–	–	–	–
Colombia	77	18	6	35	1	17	–
Czech Republic	41	1	5	2	1	31	1
Denmark	720	1	62	30	65	304	258
Finland	59	2	2	2	0	51	1
France	1,454	118	644	100	210	276	107
Germany	11,558	532	8,327	541	665	1,070	423
Greece	283	–	7	65	1	207	4
Hong Kong SAR	3,864	523	1,945	195	483	611	107
Hungary	63	10	8	6	2	37	0
India	451	69	21	4	37	320	–
Indonesia	210	46	100	5	12	17	30
Ireland	712	185	85	126	118	138	61
Israel	–	–	–	–	–	–	–
Italy	790	42	125	121	42	444	15
Japan	19,720	2,190	8,472	2,448	682	5,242	687
Korea	1,203	145	538	92	111	306	12
Luxembourg	1,160	25	499	223	135	114	164
Malaysia	233	7	12	5	3	180	25
Mexico	417	87	282	32	1	16	–
Netherlands	3,406	297	1,413	328	659	399	311
New Zealand	201	5	47	35	18	95	1
Norway	414	0	148	129	4	123	11
Peru	35	4	26	2	0	3	0
Philippines	112	5	11	2	11	81	2
Poland	442	79	363	–	–	–	–
Portugal	104	1	21	6	34	41	1
Russia	154	1	–	73	73	6	2
Saudi Arabia	215	22	78	1	24	91	–
Singapore	8,489	745	5,848	93	238	611	955
Slovakia	0	–	0	0	–	–	–
Slovenia	9	3	–	–	–	0	6
South Africa	487	107	76	42	54	164	45
Spain	763	23	140	144	64	339	53
Sweden	1,274	–	179	169	63	667	196
Switzerland	6,331	242	2,490	135	142	1,451	1,872
Taiwan, China	440	34	88	1	18	272	26
Thailand	130	4	16	5	1	104	1
Turkey	279	18	43	5	141	64	7
United Kingdom	52,698	8,137	22,875	8,526	7,532	2,276	3,352
United States	35,852	4,063	8,841	8,573	4,402	7,705	2,268
Total	164,036	18,893	66,922	23,800	16,998	26,043	11,380

Table E.10

Foreign exchange turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Foreign exchange swaps

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	35,252	8,730	24,111	...	...	1,388	1,023
Austria	3,083	60	2,460	165	314	79	4
Bahrain	733	46	570	10	101	4	3
Belgium	6,692	158	4,046	169	1,911	224	184
Brazil	210	16	17	73	—	105	—
Canada	28,530	3,225	16,355	2,181	3,969	2,019	780
Chile	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—
Colombia	3	1	0	2	—	—	—
Czech Republic	1,138	212	702	60	74	90	2
Denmark	18,292	907	13,652	196	2,180	864	493
Finland	1,034	0	583	2	74	358	16
France	37,792	3,696	25,417	1,143	5,494	1,481	562
Germany	50,674	6,002	34,975	1,314	5,257	1,788	1,338
Greece	2,524	129	1,196	102	160	937	1
Hong Kong SAR	43,991	10,338	28,888	1,203	2,427	687	449
Hungary	157	5	143	1	8	0	0
India	1,389	1,072	204	101	0	12	—
Indonesia	305	89	116	22	26	44	8
Ireland	3,535	458	2,734	101	130	105	7
Israel	414	99	315	—	—	—	—
Italy	10,941	235	9,021	277	1,125	261	23
Japan	90,304	20,311	63,887	1,744	2,109	1,743	509
Korea	2,535	1,575	631	22	131	169	7
Luxembourg	7,563	124	6,320	54	922	51	92
Malaysia	549	125	41	315	38	10	19
Mexico	3,750	177	3,388	153	12	21	0
Netherlands	21,248	1,161	13,212	313	5,621	639	302
New Zealand	2,726	128	1,793	141	414	172	77
Norway	9,008	955	7,027	333	150	511	32
Peru	1	0	—	0	—	—	—
Philippines	491	255	34	126	18	57	0
Poland	2,899	535	2,363	—	—	—	—
Portugal	688	3	575	13	3	2	92
Russia	—	—	—	—	—	—	—
Saudi Arabia	583	150	378	3	3	48	—
Singapore	57,687	7,723	37,430	3,876	3,311	4,279	1,068
Slovakia	388	17	255	116	—	—	—
Slovenia	—	—	—	—	—	—	—
South Africa	7,278	1,745	2,371	578	1,884	312	388
Spain	4,146	77	1,773	73	2,173	39	11
Sweden	16,945	320	7,908	818	2,681	3,779	1,438
Switzerland	41,104	3,138	28,419	418	3,848	3,572	1,708
Taiwan, China	716	215	371	68	28	34	—
Thailand	1,169	608	455	22	4	59	21
Turkey	399	6	352	10	32	—	—
United Kingdom	300,336	51,471	151,627	44,742	40,399	5,994	6,103
United States	114,297	14,620	59,825	13,448	15,253	7,048	4,103
Total	933,498	140,919	555,940	74,508	102,285	38,983	20,863

Table E.11

Maturity breakdown of outright forward transactions net of local inter-dealer double-counting by country in April 2001¹

Percentage share of country's total outright forward transactions

Country	Up to and including 7 days	Over 7 days and up to and including one year	Over one year
Australia	31	61	8
Austria	53	46	0
Bahrain	58	42	0
Belgium	11	86	3
Brazil	4	92	4
Canada	38	59	3
Chile	21	78	2
China	...	...	...
Colombia	9	88	2
Czech Republic	36	63	0
Denmark	16	83	1
Finland	24	72	4
France	22	74	3
Germany	26	68	6
Greece	70	29	1
Hong Kong SAR	31	64	5
Hungary	10	90	0
India	35	64	1
Indonesia	59	41	0
Ireland	16	82	1
Israel	...	...	...
Italy	17	81	2
Japan	38	59	3
Korea	25	73	2
Luxembourg	27	69	4
Malaysia	12	88	0
Mexico	2	93	6
Netherlands	6	91	2
New Zealand	58	41	1
Norway	46	51	3
Peru	18	71	11
Philippines	16	82	1
Poland	80	20	—
Portugal	61	39	0
Russia	93	4	3
Saudi Arabia	26	68	6
Singapore	51	48	2
Slovakia	—	—	—
Slovenia	—	—	—
South Africa	27	61	11
Spain	16	76	8
Sweden	36	60	3
Switzerland	26	72	3
Taiwan, China	24	62	14
Thailand	30	66	4
Turkey	18	78	3
United Kingdom	48	49	3
United States	40	59	1
Total	39	58	3

¹ 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.12

Maturity breakdown of foreign exchange swap transactions net of local inter-dealer double-counting by country in April 2001¹

Percentage share of country's total foreign exchange swap transactions

Country	Up to and including 7 days	Over 7 days and up to and including one year	Over one year
Australia	75	21	3
Austria	69	31	0
Bahrain	31	68	1
Belgium	68	32	1
Brazil	2	62	36
Canada	70	28	2
Chile	...	...	...
China	...	...	...
Colombia	59	41	—
Czech Republic	75	24	1
Denmark	63	35	1
Finland	70	30	0
France	62	37	1
Germany	62	36	2
Greece	78	22	0
Hong Kong SAR	68	31	1
Hungary	79	21	—
India	52	47	1
Indonesia	75	25	—
Ireland	63	33	4
Israel	—	—	—
Italy	62	37	0
Japan	72	27	1
Korea	80	20	0
Luxembourg	56	37	7
Malaysia	68	32	0
Mexico	100	—	—
Netherlands	50	48	1
New Zealand	86	13	1
Norway	57	42	1
Peru	100	—	—
Philippines	36	62	2
Poland	52	47	1
Portugal	86	14	—
Russia	...	...	...
Saudi Arabia	49	48	4
Singapore	69	30	1
Slovakia	46	54	—
Slovenia	...	...	...
South Africa	66	30	4
Spain	66	33	1
Sweden	55	42	2
Switzerland	69	31	1
Taiwan, China	40	53	7
Thailand	65	33	1
Turkey	56	44	—
United Kingdom	72	27	1
United States	68	31	1
Total	69	30	1

¹ 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.13

Maturity breakdown of outright forward transactions net of local and cross-border inter-dealer double-counting by currency in April 2001¹

Percentage share of total outright forward transactions

Currency	Up to and including 7 days	Over 7 days and up to and including one year	Over one year
Total transactions in			
US dollar	39	58	3
Euro	40	58	2
Japanese yen	39	58	2
Pound sterling	44	53	3
Swiss franc	40	58	2
Canadian dollar	31	66	2
Australian dollar	42	54	4
Currencies of all other rep. countries	31	65	4
Other	43	54	3
US dollar against			
Euro	39	59	2
Japanese yen	39	58	2
Pound sterling	46	51	3
Swiss franc	43	54	2
Canadian dollar	30	67	3
Australian dollar	42	54	4
Currencies of all other rep. countries	25	70	5
Other	38	58	4
Euro against			
Japanese yen	42	57	1
Pound sterling	38	60	3
Swiss franc	33	66	1
Canadian dollar	32	68	1
Australian dollar	34	62	4
Currencies of all other rep. countries	34	63	3
Other	64	35	1
Total	39	58	3

¹ 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

Maturity breakdown of foreign exchange swap transactions net of local and cross-border inter-dealer double-counting by currency in April 2001¹

Percentage share of total foreign exchange swap transactions

Currency	Up to and including 7 days	Over 7 days and up to and including one year	Over one year
Total transactions in			
US dollar	70	29	1
Euro	65	34	1
Japanese yen	66	33	1
Pound sterling	67	32	1
Swiss franc	72	27	1
Canadian dollar	77	22	2
Australian dollar	79	19	2
Currencies of all other rep. countries	65	33	2
Other	79	19	2
US dollar against			
Euro	68	31	1
Japanese yen	68	31	1
Pound sterling	70	29	1
Swiss franc	74	25	1
Canadian dollar	78	21	2
Australian dollar	80	18	2
Currencies of all other rep. countries	63	35	2
Other	75	23	2
Euro against			
Japanese yen	38	60	2
Pound sterling	33	64	3
Swiss franc	39	60	1
Canadian dollar	48	51	1
Australian dollar	47	52	2
Currencies of all other rep. countries	29	69	1
Other	28	70	1
Total	69	30	1

¹ 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

Foreign exchange turnover net of local inter-dealer double-counting by country in March 1986, April 1989, April 1992, April 1995, April 1998 and April 2001¹

Daily averages in billions of US dollars

Country	Total					
	March 1986	April 1989	April 1992	April 1995	April 1998 ²	April 2001
Australia	...	29	29	40	47	52
Austria	4	13	10	8
Bahrain	...	3	3	3	2	3
Belgium	...	10	16	28	27	10
Brazil	5	5
Canada	10	15	22	30	37	42
Chile	1	2
China	-
Colombia	0
Czech Republic	5	2
Denmark	...	13	27	31	27	23
Finland	...	3	7	5	4	2
France	...	23	33	58	72	48
Germany	55	76	94	88
Greece	...	0	1	3	7	5
Hong Kong SAR	...	49	60	90	79	67
Hungary	1	1
India	2	3
Indonesia	2	4
Ireland	...	5	6	5	10	8
Israel	1
Italy	...	10	15	23	28	17
Japan	48	111	120	161	136	147
Korea	4	10
Luxembourg	13	19	22	13
Malaysia	1	1
Mexico	9	9
Netherlands	...	13	20	26	41	30
New Zealand	4	7	7	4
Norway	...	4	5	8	9	13
Peru	0
Philippines	1	1
Poland	3	8
Portugal	...	1	1	2	4	2
Russia	7	10
Saudi Arabia	2	2
Singapore	...	55	74	105	139	101
Slovakia	1
Slovenia	0
South Africa	3	5	9	10
Spain	...	4	12	18	19	8
Sweden	...	13	21	20	15	24
Switzerland	...	56	66	86	82	71
Taiwan, China	5	4
Thailand	3	2
Turkey	1
United Kingdom	90	184	290	464	637	504
United States	59	115	167	244	351	254
Total	206	718	1,076	1,572	1,969	1,618

¹ Spot, outright forward and foreign exchange swap transactions. ² Data for Japan revised.

Table E.16

Foreign exchange turnover net of local inter-dealer double-counting by country
in March 1986, April 1989, April 1992, April 1995, April 1998 and April 2001

Daily averages in billions of US dollars

Country	Spot					
	March 1986	April 1989	April 1992	April 1995	April 1998 ¹	April 2001
Australia	...	18	13	18	20	13
Austria	4	9	5	4
Bahrain	...	2	2	2	2	1
Belgium	...	5	5	6	7	3
Brazil	5	4
Canada	4	6	8	12	11	11
Chile	1	2
China	-
Colombia	0
Czech Republic	2	1
Denmark	...	6	10	9	6	4
Finland	...	2	...	3	1	1
France	...	15	18	25	19	9
Germany	30	34	42	26
Greece	...	0	1	2	3	2
Hong Kong SAR	...	30	32	35	31	19
Hungary	1	0
India	1	2
Indonesia	1	3
Ireland	...	4	5	3	5	4
Israel	0
Italy	...	8	11	13	12	5
Japan	19	46	48	55	57	37
Korea	3	6
Luxembourg	6	8	8	4
Malaysia	0	0
Mexico	6	4
Netherlands	...	7	9	11	15	5
New Zealand	2	3	2	1
Norway	...	3	2	3	3	3
Peru	0
Philippines	0	0
Poland	2	4
Portugal	...	1	1	1	2	1
Russia	6	9
Saudi Arabia	1	1
Singapore	...	31	37	44	60	34
Slovakia	0
Slovenia	0
South Africa	2	2	4	2
Spain	...	3	6	7	6	3
Sweden	...	10	10	9	5	6
Switzerland	...	30	37	44	34	23
Taiwan, China	3	3
Thailand	1	1
Turkey	0
United Kingdom	66	119	148	186	217	151
United States	34	81	95	134	148	104
Total	123	427	541	680	760	520

¹ Data for Japan revised.

Table E.17

Foreign exchange turnover net of local inter-dealer double-counting by country
in April 1989, April 1992, April 1995, April 1998 and April 2001

Daily averages in billions of US dollars

Country	Outright forwards				
	April 1989 ¹	April 1992	April 1995	April 1998 ²	April 2001
Australia	1	1	1	2	3
Austria	...	0	0	1	0
Bahrain	—	...	0	0	1
Belgium	0	1	0	1	1
Brazil	...	...	...	...	1
Canada	1	1	3	1	2
Chile	...	...	...	0	1
China	...	...	...	...	—
Colombia	...	...	...	...	0
Czech Republic	...	...	...	...	0
Denmark	1	2	2	1	1
Finland	...	...	0	0	0
France	...	1	2	3	1
Germany	...	3	4	8	12
Greece	0	0	1	1	0
Hong Kong SAR	...	2	3	4	4
Hungary	...	...	...	0	0
India	...	...	...	0	0
Indonesia	...	...	...	0	0
Ireland	...	0	0	1	1
Israel	...	...	...	...	—
Italy	...	1	2	2	1
Japan	7	9	17	17	20
Korea	...	...	...	0	1
Luxembourg	...	1	1	1	1
Malaysia	...	...	...	0	0
Mexico	...	...	...	0	0
Netherlands	0	2	3	6	3
New Zealand	...	0	0	0	0
Norway	...	0	0	0	0
Peru	...	...	...	...	0
Philippines	...	...	...	0	0
Poland	...	...	...	0	0
Portugal	...	0	0	0	0
Russia	...	...	...	1	0
Saudi Arabia	...	...	...	0	0
Singapore	2	3	3	4	8
Slovakia	...	...	...	...	0
Slovenia	...	...	...	...	0
South Africa	...	0	1	2	0
Spain	0	1	1	1	1
Sweden	...	2	1	1	1
Switzerland	3	6	8	5	6
Taiwan, China	...	...	...	1	0
Thailand	...	...	...	0	0
Turkey	...	...	...	...	0
United Kingdom	...	20	34	48	53
United States	6	14	28	37	36
Total	22	70	115	154	164

¹ 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. ² Data for Japan revised.

Table E.18

Foreign exchange turnover net of local inter-dealer double-counting by country in April 1989, April 1992, April 1995, April 1998 and April 2001

Daily averages in billions of US dollars

Country	Foreign exchange swaps				
	April 1989 ¹	April 1992	April 1995	April 1998 ²	April 2001
Australia	10	15	21	25	35
Austria	...	1	4	5	3
Bahrain	—	...	1	0	1
Belgium	5	10	22	18	7
Brazil	...	...	...	...	0
Canada	8	13	15	25	29
Chile	...	...	...	...	—
China	...	...	...	...	—
Colombia	...	...	...	...	0
Czech Republic	...	...	...	3	1
Denmark	5	14	20	20	18
Finland	...	...	3	3	1
France	...	14	30	50	38
Germany	...	22	38	44	51
Greece	...	0	1	3	3
Hong Kong SAR	...	27	53	44	44
Hungary	...	...	...	0	0
India	...	...	...	1	1
Indonesia	...	...	...	1	0
Ireland	...	1	1	4	4
Israel	...	...	...	...	0
Italy	...	4	8	15	11
Japan	59	63	89	61	90
Korea	...	...	...	1	3
Luxembourg	...	6	10	13	8
Malaysia	...	...	...	1	1
Mexico	...	...	...	2	4
Netherlands	5	9	12	20	21
New Zealand	...	2	4	5	3
Norway	...	3	4	6	9
Peru	...	...	...	...	0
Philippines	...	...	...	0	0
Poland	...	...	...	0	3
Portugal	...	0	1	2	1
Russia	...	...	...	0	—
Saudi Arabia	...	...	...	1	1
Singapore	21	33	58	75	58
Slovakia	...	...	...	...	0
Slovenia	...	...	...	...	—
South Africa	...	1	2	4	7
Spain	2	5	10	12	4
Sweden	...	10	11	10	17
Switzerland	22	23	34	42	41
Taiwan, China	...	...	...	1	1
Thailand	...	...	...	2	1
Turkey	...	...	...	...	0
United Kingdom	...	123	244	372	300
United States	29	59	83	166	114
Total	165	457	777	1,052	933

¹ 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. ² Data for Japan revised. Table E.19

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Total	Specified currency against all other currencies					
		US dollar	Euro	Japanese yen	Pound sterling	Swiss franc	Canadian dollar
Outright forwards	130,575	110,795	54,327	33,257	16,826	6,637	4,335
with reporting dealers	52,354	46,939	21,722	11,268	6,801	2,003	835
local	18,893	16,649	7,277	4,172	3,206	685	376
cross-border	33,461	30,291	14,446	7,096	3,595	1,318	459
with other financial institutions	40,798	34,415	17,534	10,046	5,922	2,230	1,854
local	23,800	19,794	9,687	6,355	4,072	1,368	1,293
cross-border	16,998	14,620	7,847	3,692	1,850	862	561
with non-financial customers	37,423	29,441	15,070	11,942	4,103	2,404	1,646
local	26,043	20,191	9,764	8,919	2,640	1,614	1,253
cross-border	11,380	9,250	5,306	3,023	1,463	789	393
Up to 7 days	50,816	42,881	21,513	13,067	7,320	2,669	1,350
Over 7 days and up to 1 year	76,151	64,676	31,639	19,430	8,973	3,813	2,879
Over 1 year	3,506	3,173	1,096	749	520	137	106
Foreign exchange swaps	655,528	622,998	220,790	132,169	96,558	37,473	32,286
with reporting dealers	418,889	405,713	129,658	91,743	57,384	22,616	18,828
local	140,919	136,056	35,746	32,672	22,708	6,700	4,834
cross-border	277,970	269,657	93,912	59,070	34,677	15,916	13,993
with other financial institutions	176,794	168,466	68,046	28,895	29,697	11,219	9,887
local	74,508	70,204	26,166	13,446	14,220	4,160	5,284
cross-border	102,285	98,262	41,880	15,449	15,478	7,059	4,603
with non-financial customers	60,109	48,820	23,086	11,531	9,476	3,638	3,571
local	38,983	30,965	14,755	7,006	6,489	2,328	2,673
cross-border	20,863	17,855	8,331	4,524	2,987	1,311	898
Up to 7 days	450,162	435,802	142,426	87,191	64,389	26,904	24,767
Over 7 days and up to 1 year	196,730	179,474	75,917	43,597	31,171	10,262	6,955
Over 1 year	8,055	7,429	2,284	1,346	937	260	561
Currency swaps	7,189	5,943	2,190	1,969	1,206	151	361
with reporting dealers	3,846	3,116	1,049	1,212	782	100	120
local	1,771	1,448	339	506	499	50	43
cross-border	2,075	1,668	709	706	283	50	77
with other financial institutions	1,530	1,356	386	391	198	28	77
local	721	635	157	131	74	8	24
cross-border	810	721	230	259	125	20	53
with non-financial customers	1,813	1,471	754	365	225	23	164
local	1,133	969	313	204	166	16	142
cross-border	680	502	442	161	59	7	21

For footnotes, see opposite page.

Table E.20.1

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ²								Category
Australian dollar	Brazilian real	Chinese renminbi	Czech koruna	Danish krone	Hong Kong dollar	Hungarian forint	Indian rupee	
5,416	1,259	55	96	888	3,055	28	428	Outright forwards
2,416	159	25	43	255	1,994	8	77	with reporting dealers
919	76	11	3	96	578	3	64	local
1,497	82	14	40	159	1,416	5	13	cross-border
1,288	811	25	12	197	482	5	51	with other financial institutions
866	729	7	6	109	230	2	6	local
422	82	17	7	88	252	3	45	cross-border
1,712	290	6	40	436	579	15	300	with non-financial customers
1,305	277	4	37	335	530	15	300	local
407	13	2	3	101	49	0	0	cross-border
2,254	90	7	24	302	1,380	5	132	Up to 7 days
2,939	1,135	40	70	570	1,463	23	290	Over 7 days and up to 1 year
221	34	9	2	17	212	0	6	Over 1 year
30,470	213	0	1,402	10,713	18,370	8	1,200	Foreign exchange swaps
22,692	25	–	1,026	6,261	15,567	6	1,078	with reporting dealers
9,290	22	–	223	1,388	8,812	4	1,056	local
13,402	4	–	803	4,873	6,755	2	22	cross-border
4,884	83	0	242	3,469	2,357	2	110	with other financial institutions
2,388	76	–	64	1,592	701	2	102	local
2,497	7	0	179	1,877	1,656	–	8	cross-border
2,894	104	0	134	983	446	0	12	with non-financial customers
1,813	104	0	118	753	346	0	12	local
1,081	–	–	16	230	100	–	–	cross-border
23,973	6	–	1,080	7,454	10,722	4	629	Up to 7 days
5,766	136	0	301	3,145	7,046	5	563	Over 7 days and up to 1 year
730	70	–	20	113	601	–	8	Over 1 year
510	403	–	5	103	285	–	1	Currency swaps
231	11	–	2	37	77	–	0	with reporting dealers
115	11	–	–	13	7	–	0	local
116	–	–	2	24	71	–	–	cross-border
176	165	–	0	10	207	–	–	with other financial institutions
81	165	–	0	6	–	–	–	local
95	–	–	–	4	207	–	–	cross-border
103	228	–	2	55	1	–	1	with non-financial customers
70	228	–	2	9	1	–	1	local
33	–	–	–	47	–	–	–	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 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. Table E.20.1 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Specified currency against all other currencies ²						
	Indonesian rupiah	Korean won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Polish zloty
Outright forwards	103	1,671	673	1,187	579	73	439
with reporting dealers	47	663	311	405	306	12	330
local	38	194	131	155	40	4	88
cross-border	9	469	180	251	267	8	243
with other financial institutions	10	622	224	365	111	15	82
local	5	173	123	223	77	3	11
cross-border	5	449	101	143	34	12	70
with non-financial customers	46	386	138	417	162	46	27
local	16	359	99	296	137	44	14
cross-border	31	28	39	120	25	2	13
Up to 7 days	52	356	141	380	222	13	230
Over 7 days and up to 1 year	53	1,269	489	781	343	59	201
Over 1 year	1	47	43	27	14	1	8
Foreign exchange swaps	198	2,354	4,364	13,909	4,910	228	3,545
with reporting dealers	104	2,135	2,675	8,896	3,795	130	2,727
local	80	1,551	494	2,082	536	126	617
cross-border	25	584	2,181	6,814	3,259	3	2,110
with other financial institutions	53	44	1,523	3,988	749	70	680
local	22	24	396	1,315	162	62	25
cross-border	31	20	1,127	2,673	587	8	655
with non-financial customers	41	175	166	1,025	365	28	138
local	38	168	124	676	224	28	45
cross-border	3	7	41	349	141	0	93
Up to 7 days	146	2,034	3,808	8,283	4,074	83	2,229
Over 7 days and up to 1 year	53	314	508	5,428	778	140	1,290
Over 1 year	–	5	49	198	57	5	27
Currency swaps	13	46	34	42	101	2	4
with reporting dealers	5	14	24	19	77	–	–
local	5	10	16	1	25	–	–
cross-border	0	4	7	19	52	–	–
with other financial institutions	7	20	2	13	12	–	–
local	7	15	–	3	0	–	–
cross-border	1	5	2	9	12	–	–
with non-financial customers	0	12	8	10	13	2	4
local	0	12	3	3	7	2	1
cross-border	–	–	5	8	6	–	3

For footnotes, see opposite page.

Table E.20.2

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ²									Category
Russian rouble	Swedish krona	South African rand	Singapore dollar	New Taiwan dollar	Thai baht	Turkish lira	Currencies of other reporting countries ³	Residual currencies	
52	3,207	825	825	603	231	164	1,009	12,109	Outright forwards
27	1,085	324	327	235	75	35	307	5,675	with reporting dealers
1	478	175	70	64	22	12	272	1,929	local
26	606	148	257	171	53	23	36	3,745	cross-border
21	856	244	196	109	47	108	335	3,378	with other financial institutions
14	405	116	112	28	18	3	326	1,439	local
7	451	129	84	82	29	105	9	1,939	cross-border
3	1,265	257	302	258	108	21	367	3,057	with non-financial customers
3	864	208	193	212	104	16	341	1,997	local
1	401	49	109	46	5	5	26	1,060	cross-border
44	1,080	296	266	113	49	20	...	5,377	Up to 7 days
7	2,058	471	518	418	172	141	...	7,383	Over 7 days and up to 1 year
—	71	59	39	72	10	2	...	337	Over 1 year
0	20,811	8,543	9,305	319	1,098	14	1,286	35,522	Foreign exchange swaps
—	10,024	4,663	6,389	212	893	3	807	21,727	with reporting dealers
—	1,765	2,408	4,278	210	574	0	404	7,198	local
—	8,259	2,255	2,111	2	319	3	403	14,529	cross-border
0	5,994	3,135	884	74	120	9	435	8,470	with other financial institutions
—	2,444	937	392	68	30	7	430	4,299	local
0	3,549	2,198	492	6	91	2	5	4,171	cross-border
—	4,793	745	2,032	34	85	1	307	5,587	with non-financial customers
—	3,447	366	1,948	34	61	1	30	3,414	local
—	1,346	380	84	—	24	—	14	1,910	cross-border
—	13,045	5,995	5,944	50	755	6	...	28,526	Up to 7 days
0	7,492	2,231	3,238	232	328	8	...	7,082	Over 7 days and up to 1 year
—	274	317	124	38	15	—	...	642	Over 1 year
—	145	50	18	21	11	1	60	704	Currency swaps
—	93	43	13	16	2	—	19	629	with reporting dealers
—	64	25	8	8	1	—	—	349	local
—	29	17	5	8	1	—	19	279	cross-border
—	13	7	2	3	2	1	41	—	with other financial institutions
—	5	7	1	3	2	—	39	80	local
—	7	—	1	—	—	1	2	—	cross-border
—	40	1	3	2	7	—	—	131	with non-financial customers
—	26	1	2	2	7	—	—	78	local
—	14	—	1	—	—	—	—	53	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 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 only transactions where at least one counterparty is located in the country of issue of the currency in question.

Table E.20.2 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Total	Specified currency against all other currencies					
		US dollar	Euro	Japanese yen	Pound sterling	Swiss franc	Canadian dollar
Options sold	43,473	35,847	19,082	16,752	3,784	2,092	2,014
with reporting dealers	27,834	22,823	12,431	10,791	2,228	1,238	1,118
local	8,311	6,738	3,884	3,189	752	561	287
cross-border	19,523	16,085	8,547	7,603	1,476	678	831
with other financial institutions	7,798	6,270	3,543	2,950	698	469	386
local	2,877	2,304	1,385	1,141	266	225	88
cross-border	4,921	3,966	2,157	1,809	431	244	297
with non-financial customers	7,841	6,271	3,011	2,854	838	380	507
local	4,392	3,609	1,596	1,858	372	244	358
cross-border	3,449	2,662	1,414	996	467	136	149
Options bought	44,185	36,035	19,473	18,193	3,684	2,068	2,156
with reporting dealers	28,346	23,641	11,993	11,162	2,296	1,255	1,252
local	8,691	7,290	3,676	3,171	762	509	371
cross-border	19,655	16,351	8,318	7,991	1,534	746	882
with other financial institutions	7,701	6,219	3,501	3,078	685	375	360
local	2,939	2,326	1,399	1,202	341	195	66
cross-border	4,762	3,893	2,102	1,876	344	180	294
with non-financial customers	8,138	5,629	3,873	3,779	679	432	540
local	4,321	3,465	1,557	1,798	308	328	370
cross-border	3,817	2,164	2,317	1,981	371	104	170
Total options	59,568	47,621	26,140	23,638	5,162	2,903	2,978
Other products	116	...	...	...	...	...	...
Total	852,976	787,358	303,446	191,032	119,752	47,164	39,960

For footnotes, see opposite page.

Table E.20.3

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ²								Category
Australian dollar	Brazilian real	Chinese renminbi	Czech koruna	Danish krone	Hong Kong dollar	Hungarian forint	Indian rupee	
2,907	153	1	42	25	119	1	–	Options sold
1,761	28	–	25	5	53	–	–	with reporting dealers
426	17	–	2	2	23	–	–	local
1,334	10	–	23	3	29	–	–	cross-border
181	53	–	12	3	4	–	–	with other financial institutions
65	43	–	5	0	–	–	–	local
115	10	–	7	2	4	–	–	cross-border
913	73	0	6	17	1	1	–	with non-financial customers
193	63	0	5	16	0	1	–	local
720	10	–	0	1	0	–	–	cross-border
2,450	130	2	35	39	140	1	–	Options bought
1,890	38	–	14	6	73	–	–	with reporting dealers
442	26	–	2	1	29	–	–	local
1,448	12	–	12	5	44	–	–	cross-border
206	37	–	13	5	8	–	–	with other financial institutions
73	34	–	5	3	–	–	–	local
133	3	–	8	2	8	–	–	cross-border
296	55	–	8	29	0	1	–	with non-financial customers
168	45	–	8	23	0	1	–	local
128	10	–	0	6	–	–	–	cross-border
3,421	250	0	58	59	75	2	–	Total options
...	...	...	...	...	...	...	...	Other products
39,817	2,126	56	1,560	11,762	21,784	38	1,629	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 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. Table E.20.3 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Specified currency against all other currencies						
	Indonesian rupiah	Korean won	Mexican peso	Norwegian krone	New Zealand dollar	Philippine peso	Polish zloty
Options sold	–	90	88	260	33	0	77
with reporting dealers	–	10	50	168	17	–	53
local	–	5	24	26	7	–	8
cross-border	–	5	26	142	10	–	45
with other financial institutions	–	45	18	76	4	–	11
local	–	6	3	2	–	–	–
cross-border	–	40	14	75	4	–	11
with non-financial customers	–	28	20	16	12	–	13
local	–	28	13	12	6	–	12
cross-border	–	–	7	4	6	–	1
Options bought	–	98	101	226	42	0	82
with reporting dealers	–	12	57	170	23	–	60
local	–	4	25	56	7	–	10
cross-border	–	9	31	114	17	–	51
with other financial institutions	–	23	24	40	6	–	9
local	–	1	6	2	0	–	0
cross-border	–	21	18	39	6	–	9
with non-financial customers	–	51	20	16	12	–	13
local	–	51	11	11	6	–	11
cross-border	–	–	9	5	6	–	2
Total options	–	159	135	318	54	–	103
Other products	...	...	...	...	...	...	...
Total	314	4,230	5,207	15,456	5,644	304	4,092

For footnotes, see opposite page.

Table E.20.4

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Specified currency against all other currencies ²									Category
Russian rouble	Swedish krona	South African rand	Singapore dollar	New Taiwan dollar	Thai baht	Turkish lira	Currencies of other reporting countries ³	Residual currencies	
–	534	270	130	120	14	–	1	2,508	Options sold
–	331	183	78	67	1	–	0	2,207	with reporting dealers
–	101	74	53	5	0	–	0	438	local
–	230	109	25	62	1	–	–	1,770	cross-border
–	134	71	28	2	1	–	–	640	with other financial institutions
–	18	30	17	–	0	–	–	156	local
–	117	41	11	2	0	–	–	484	cross-border
–	69	16	12	27	1	–	1	597	with non-financial customers
–	44	9	10	26	1	–	1	306	local
–	24	7	2	1	–	–	–	290	cross-border
–	449	207	146	127	16	–	–	2,468	Options bought
–	276	137	92	44	1	–	–	2,198	with reporting dealers
–	75	47	67	5	1	–	–	807	local
–	201	90	25	39	1	–	–	1,392	cross-border
–	135	57	14	0	1	–	–	607	with other financial institutions
–	19	33	10	–	0	–	–	164	local
–	115	24	4	0	0	–	–	443	cross-border
–	39	13	23	59	1	–	–	707	with non-financial customers
–	28	5	17	58	1	–	–	373	local
–	11	8	6	1	0	–	–	334	cross-border
–	680	317	161	144	4	–	1	4,753	Total options
...	...	...	...	...	...	...	...	231	Other products
52	24,842	9,735	10,309	1,087	1,344	178	2,355	53,320	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 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 only transactions where at least one counterparty is located in the country of issue of the currency in question.

Table E.20.4 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Category	Total	Euro	Japanese yen	Pound sterling	Swiss franc
Outright forwards	110,795	39,818	25,645	11,317	4,859
with reporting dealers	46,939	17,636	9,476	5,399	1,602
local	16,649	5,554	3,328	2,585	573
cross-border	30,291	12,082	6,149	2,813	1,029
with other financial institutions	34,415	12,777	7,678	3,776	1,753
local	19,794	6,655	4,617	2,613	1,113
cross-border	14,620	6,122	3,061	1,163	640
with non-financial customers	29,441	9,405	8,490	2,142	1,504
local	20,191	5,595	6,259	1,335	925
cross-border	9,250	3,809	2,231	807	579
Up to 7 days	42,881	15,377	10,065	5,176	2,100
Over 7 days and up to 1 year	64,676	23,514	14,945	5,746	2,628
Over 1 year	3,173	879	632	389	118
Foreign exchange swaps	622,998	198,564	124,821	86,273	34,564
with reporting dealers	405,713	121,116	88,697	53,339	21,537
local	136,056	32,466	31,551	20,993	6,256
cross-border	269,657	88,650	57,146	32,346	15,281
with other financial institutions	168,466	61,709	27,022	26,958	10,519
local	70,204	22,537	12,464	12,655	3,838
cross-border	98,262	39,171	14,557	14,303	6,681
with non-financial customers	48,820	15,739	9,102	5,975	2,508
local	30,965	9,359	4,880	3,953	1,511
cross-border	17,855	6,380	4,222	2,023	997
Up to 7 days	435,802	134,710	84,498	60,763	25,693
Over 7 days and up to 1 year	179,474	61,833	39,104	24,789	8,602
Over 1 year	7,429	1,875	1,186	664	232
Currency swaps	5,943	1,408	1,615	970	98
with reporting dealers	3,116	661	1,046	643	68
local	1,448	204	448	438	36
cross-border	1,668	456	598	206	33
with other financial institutions	1,356	254	346	132	21
local	635	78	120	28	2
cross-border	721	176	226	104	18
with non-financial customers	1,471	493	223	195	9
local	969	212	151	148	5
cross-border	502	281	72	46	3

For footnotes, see opposite page.

Table E.21.1

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
3,723	4,810	6,557	14,067	Outright forwards
742	2,305	2,109	7,671	with reporting dealers
328	871	1,024	2,386	local
414	1,434	1,084	5,285	cross-border
1,580	1,177	1,703	3,970	with other financial institutions
1,077	790	1,334	1,594	local
502	387	369	2,376	cross-border
1,401	1,328	2,745	2,426	with non-financial customers
1,054	986	2,488	1,550	local
348	342	257	876	cross-border
1,129	2,037	1,663	5,335	Up to 7 days
2,492	2,582	4,579	8,191	Over 7 days and up to 1 year
102	191	320	542	Over 1 year
31,469	29,625	51,457	66,225	Foreign exchange swaps
18,698	22,309	37,864	42,152	with reporting dealers
4,767	8,999	20,375	10,650	local
13,932	13,310	17,489	31,502	cross-border
9,657	4,751	7,868	19,980	with other financial institutions
5,095	2,302	3,168	8,143	local
4,562	2,450	4,700	11,837	cross-border
3,113	2,565	5,725	4,092	with non-financial customers
2,365	1,511	4,860	2,526	local
748	1,054	865	1,566	cross-border
24,457	23,596	32,431	49,654	Up to 7 days
6,457	5,382	17,875	15,431	Over 7 days and up to 1 year
553	645	1,150	1,123	Over 1 year
325	433	599	495	Currency swaps
88	204	138	268	with reporting dealers
30	108	61	123	local
58	96	76	145	cross-border
77	171	223	132	with other financial institutions
24	80	209	93	local
53	90	15	38	cross-border
159	58	238	96	with non-financial customers
138	25	238	51	local
21	33	1	45	cross-border

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.21.1 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Category	Total	Euro	Japanese yen	Pound sterling	Swiss franc
Options sold	35,847	12,666	12,748	2,191	1,343
with reporting dealers	22,823	8,493	8,283	1,336	836
local	6,738	2,489	2,331	408	374
cross-border	16,085	6,004	5,952	928	462
with other financial institutions	6,270	2,345	2,207	452	252
local	2,304	900	830	167	116
cross-border	3,966	1,445	1,377	285	136
with non-financial customers	6,271	1,730	2,119	387	250
local	3,609	976	1,415	213	168
cross-border	2,662	754	704	173	82
Options bought	36,035	12,395	13,508	1,985	1,275
with reporting dealers	23,641	8,290	8,831	1,296	788
local	7,290	2,548	2,590	396	312
cross-border	16,351	5,741	6,241	900	475
with other financial institutions	6,219	2,299	2,408	361	232
local	2,326	861	922	151	123
cross-border	3,893	1,438	1,485	210	109
with non-financial customers	5,629	1,701	2,110	309	250
local	3,465	891	1,366	167	189
cross-border	2,164	810	744	143	60
Total options	47,621	16,467	17,400	2,825	1,795
Other products	...	...	...	...	...
Total	787,358	256,257	169,481	101,384	41,316

For footnotes, see opposite page.

Table E.21.2

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
1,999	2,784	570	1,547	Options sold
1,113	1,713	214	835	with reporting dealers
286	412	83	354	local
827	1,301	131	481	cross-border
382	171	157	304	with other financial institutions
86	65	68	71	local
296	107	89	233	cross-border
501	847	140	298	with non-financial customers
354	172	137	175	local
147	675	3	124	cross-border
2,138	2,300	526	1,907	Options bought
1,243	1,806	201	1,186	with reporting dealers
369	425	95	555	local
874	1,381	107	631	cross-border
358	190	80	291	with other financial institutions
66	73	44	86	local
292	117	36	205	cross-border
533	247	188	291	with non-financial customers
365	143	178	166	local
168	103	10	125	cross-border
2,953	3,215	772	2,195	Total options
...	...	...	...	Other products
38,470	38,082	59,385	82,982	Total

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.21.2 (contd.)

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Category	Total	US dollar	Japanese yen	Pound sterling	Swiss franc
Outright forwards	54,327	39,818	5,987	3,924	1,449
with reporting dealers	21,722	17,636	1,458	1,164	360
local	7,277	5,554	635	477	92
cross-border	14,446	12,082	822	687	268
with other financial institutions	17,534	12,777	1,942	1,522	402
local	9,687	6,655	1,381	1,005	217
cross-border	7,847	6,122	560	517	185
with non-financial customers	15,070	9,405	2,587	1,238	687
local	9,764	5,595	1,966	819	528
cross-border	5,306	3,809	621	419	159
Up to 7 days	21,513	15,377	2,497	1,474	478
Over 7 days and up to 1 year	31,639	23,514	3,418	2,345	956
Over 1 year	1,096	879	64	99	10
Foreign exchange swaps	220,790	198,564	6,092	8,330	2,206
with reporting dealers	129,658	121,116	2,611	3,696	979
local	35,746	32,466	846	1,525	386
cross-border	93,912	88,650	1,765	2,171	593
with other financial institutions	68,046	61,709	1,481	2,164	591
local	26,166	22,537	707	1,147	236
cross-border	41,880	39,171	774	1,017	356
with non-financial customers	23,086	15,739	2,000	2,469	635
local	14,755	9,359	1,723	1,689	361
cross-border	8,331	6,380	277	780	274
Up to 7 days	142,426	134,710	2,313	2,785	854
Over 7 days and up to 1 year	75,917	61,833	3,679	5,317	1,327
Over 1 year	2,284	1,875	100	225	13
Currency swaps	2,190	1,408	305	196	35
with reporting dealers	1,049	661	158	125	24
local	339	204	51	53	12
cross-border	709	456	108	72	12
with other financial institutions	386	254	35	58	7
local	157	78	9	40	5
cross-border	230	176	26	18	2
with non-financial customers	754	493	112	13	4
local	313	212	25	5	3
cross-border	442	281	87	8	0

For footnotes, see opposite page.

Table E.22.1

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
300	188	557	2,104	Outright forwards
45	35	33	991	with reporting dealers
22	8	16	472	local
22	27	17	519	cross-border
150	62	101	579	with other financial institutions
112	40	77	201	local
39	22	24	379	cross-border
105	91	424	533	with non-financial customers
72	59	367	358	local
33	32	57	175	cross-border
95	64	184	1,345	Up to 7 days
202	116	344	743	Over 7 days and up to 1 year
2	8	17	16	Over 1 year
545	307	1,611	3,137	Foreign exchange swaps
93	110	196	857	with reporting dealers
46	69	62	346	local
47	40	134	511	cross-border
140	90	344	1,527	with other financial institutions
103	49	321	1,066	local
37	41	23	460	cross-border
311	107	1,070	753	with non-financial customers
180	92	904	446	local
132	15	166	307	cross-border
261	143	474	885	Up to 7 days
278	159	1,116	2,208	Over 7 days and up to 1 year
4	5	20	42	Over 1 year
35	57	64	90	Currency swaps
31	20	11	18	with reporting dealers
13	3	–	4	local
19	17	11	14	cross-border
–	0	26	6	with other financial institutions
–	0	25	–	local
–	–	1	6	cross-border
4	37	26	66	with non-financial customers
4	37	26	0	local
–	–	–	66	cross-border

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.

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Category	Total	US dollar	Japanese yen	Pound sterling	Swiss franc
Options sold	19,082	12,666	3,747	1,346	598
with reporting dealers	12,431	8,493	2,392	774	351
local	3,884	2,489	821	313	166
cross-border	8,547	6,004	1,570	461	185
with other financial institutions	3,543	2,345	665	179	166
local	1,385	900	286	65	87
cross-border	2,157	1,445	379	115	79
with non-financial customers	3,011	1,730	673	388	80
local	1,596	976	414	113	28
cross-border	1,414	754	259	275	52
Options bought	19,473	12,395	4,407	1,372	625
with reporting dealers	11,993	8,290	2,151	772	375
local	3,676	2,548	552	314	174
cross-border	8,318	5,741	1,599	459	202
with other financial institutions	3,501	2,299	625	272	109
local	1,399	861	269	169	53
cross-border	2,102	1,438	356	103	56
with non-financial customers	3,873	1,701	1,616	323	140
local	1,557	891	393	112	101
cross-border	2,317	810	1,223	211	39
Total options	26,140	16,467	5,851	1,936	860
Other products	...	...	...	...	...
Total	303,446	256,257	18,234	14,385	4,549

For footnotes, see opposite page.

Table E.22.2

OTC foreign exchange derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Category
4	34	171	516	Options sold
2	19	98	302	with reporting dealers
0	5	27	62	local
2	13	71	241	cross-border
0	2	40	145	with other financial institutions
–	0	4	43	local
0	1	36	102	cross-border
2	14	33	90	with non-financial customers
1	2	23	39	local
1	12	10	51	cross-border
5	43	165	461	Options bought
2	28	98	277	with reporting dealers
1	8	27	52	local
1	19	71	225	cross-border
0	0	42	153	with other financial institutions
–	–	8	39	local
0	0	34	114	cross-border
3	15	25	50	with non-financial customers
2	4	24	30	local
1	11	2	20	cross-border
7	54	238	727	Total options
...	...	...	...	Other products
887	605	2,470	6,058	Total

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.22.2 (contd.)

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and currency in April 2001¹

Daily averages in millions of US dollars

Country	Total	Specified currency against all other currencies ²				
		US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
Australia	40,852	39,690	4,586	5,275	3,197	556
Austria	4,001	3,518	2,591	596	155	584
Bahrain	1,521	1,341	520	160	103	92
Belgium	7,751	7,214	4,218	649	1,069	401
Brazil	1,881	1,748	24	76	1	0
Canada	33,379	32,461	4,509	2,513	2,709	1,476
Chile	635	635	5	3	—	—
China	—	—	—	—	—	—
Colombia	82	82	1	—	—	—
Czech Republic	1,245	1,053	334	3	6	4
Denmark	19,533	17,926	5,042	705	877	1,435
Finland	1,153	937	916	27	98	8
France	40,925	38,828	29,456	4,119	3,181	2,379
Germany	65,218	57,923	39,837	10,984	7,305	4,433
Greece	2,812	1,515	2,466	1,433	27	124
Hong Kong SAR	49,388	47,459	5,703	7,844	2,557	444
Hungary	226	191	178	26	9	9
India	1,848	1,818	98	54	54	14
Indonesia	534	457	40	26	9	1
Ireland	4,662	3,919	3,228	387	1,278	138
Israel	414	—	—	—	—	—
Italy	12,402	11,092	9,148	3,115	637	282
Japan	115,946	107,599	19,156	85,529	4,053	839
Korea	3,950	3,934	152	294	41	7
Luxembourg	8,900	8,367	4,751	1,431	904	837
Malaysia	895	873	45	108	15	19
Mexico	4,186	4,185	1	3	0	1
Netherlands	25,206	22,761	19,088	1,985	1,881	3,086
New Zealand	3,056	2,888	245	156	145	4
Norway	9,535	9,003	1,271	426	287	156
Peru	36	36	0	—	—	—
Philippines	605	604	7	34	4	3
Poland	3,341	2,551	94	—	—	—
Portugal	804	704	708	78	70	19
Russia	154	147	89	4	15	6
Saudi Arabia	855	815	166	140	26	15
Singapore	69,258	67,383	18,019	15,222	6,458	1,149
Slovakia	497	424	161	2	5	6
Slovenia	9	0	9	—	0	—
South Africa	7,858	7,721	528	117	138	54
Spain	5,466	5,266	4,925	212	130	24
Sweden	19,051	12,993	3,707	718	1,219	266
Switzerland	52,951	48,540	24,371	8,044	4,606	15,281
Taiwan, China	1,669	1,623	329	453	16	20
Thailand	1,315	1,274	46	139	4	3
Turkey	678	655	465	20	40	14
United Kingdom	390,313	364,844	151,292	64,969	100,215	20,527
United States	169,076	160,195	58,423	47,623	16,269	10,441
Total	1,186,071	1,105,192	420,945	265,701	159,811	65,159

For footnotes, see opposite page.

Table E.23

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Daily averages in millions of US dollars

Specified currency against all other currencies ²				Country
Canadian dollar	Australian dollar	Currencies of other reporting countries ³	Residual currencies	
994	22,029	4,840	538	Australia
95	34	378	50	Austria
10	5	81	730	Bahrain
98	91	1,728	35	Belgium
1	0	1,749	162	Brazil
20,771	1,279	553	487	Canada
—	—	625	2	Chile
—	—	—	—	China
—	—	81	—	Colombia
0	—	1,031	59	Czech Republic
171	93	12,491	327	Denmark
10	5	298	8	Finland
1,059	426	2,274	127	France
458	568	5,772	3,157	Germany
13	23	23	0	Greece
476	3,412	24,739	6,141	Hong Kong SAR
1	1	33	5	Hungary
2	2	1,628	26	India
1	15	372	145	Indonesia
112	58	175	28	Ireland
—	—	414	414	Israel
65	22	325	118	Italy
660	4,524	1,895	7,638	Japan
29	24	3,334	84	Korea
251	31	449	777	Luxembourg
—	31	697	2	Malaysia
—	—	4,182	—	Mexico
95	55	760	701	Netherlands
14	365	2,296	—	New Zealand
122	12	7,781	12	Norway
—	—	36	0	Peru
0	2	281	275	Philippines
—	—	2,751	1,286	Poland
5	2	20	1	Portugal
0	3	22	23	Russia
1	1	533	14	Saudi Arabia
2,352	2,901	9,214	15,817	Singapore
—	—	398	—	Slovakia
—	—	9	—	Slovenia
4	10	6,915	229	South Africa
16	4	322	34	Spain
250	67	13,989	4,894	Sweden
230	591	2,504	1,736	Switzerland
2	15	829	51	Taiwan, China
0	2	1,085	78	Thailand
0	0	162	0	Turkey
13,303	14,390	32,535	18,551	United Kingdom
13,675	5,128	17,705	8,692	United States
55,346	56,222	170,311	73,454	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Data for Poland exclude euro deals other than those against domestic currency. 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 only transactions where at least one counterparty is located in the country of issue of the currency in question. Table E.23 (contd.)

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Country	Total	Euro ²	Japanese yen	Pound sterling	Swiss franc
Australia	39,690	4,198	4,852	2,962	525
Austria	3,518	2,122	411	124	434
Bahrain	1,341	359	152	68	39
Belgium	7,214	3,691	573	901	246
Brazil	1,748	18	33	0	0
Canada	32,461	3,913	2,379	2,568	1,442
Chile	635	5	3	—	—
China	—	—	—	—	—
Colombia	82	1	—	—	—
Czech Republic	1,053	150	1	1	4
Denmark	17,926	4,004	613	735	1,283
Finland	937	697	17	46	0
France	38,828	27,392	3,423	2,340	2,110
Germany	57,923	33,947	9,157	5,246	3,539
Greece	1,515	1,168	161	22	120
Hong Kong SAR	47,459	5,470	7,617	2,549	444
Hungary	191	145	19	2	6
India	1,818	76	42	48	13
Indonesia	457	26	26	9	1
Ireland	3,919	2,500	258	806	92
Israel	—	—	—	—	—
Italy	11,092	7,892	2,369	244	244
Japan	107,599	15,060	80,274	3,606	750
Korea	3,934	148	283	41	7
Luxembourg	8,367	4,254	1,284	773	736
Malaysia	873	38	100	13	18
Mexico	4,185	—	2	0	1
Netherlands	22,761	16,888	1,304	799	2,944
New Zealand	2,888	199	126	119	4
Norway	9,003	925	372	230	153
Peru	36	0	—	—	—
Philippines	604	6	34	3	3
Poland	2,551	—	—	—	—
Portugal	704	609	57	15	7
Russia	147	83	2	12	5
Saudi Arabia	815	131	107	26	15
Singapore	67,383	17,269	14,661	6,370	1,126
Slovakia	424	87	2	5	6
Slovenia	0	—	—	—	—
South Africa	7,721	449	83	125	51
Spain	5,266	4,724	103	59	15
Sweden	12,993	1,951	567	841	200
Switzerland	48,540	21,335	6,413	3,865	13,032
Taiwan, China	1,623	290	410	16	20
Thailand	1,274	23	111	3	3
Turkey	655	442	15	31	13
United Kingdom	364,844	129,962	56,593	86,865	18,622
United States	160,195	50,672	44,462	15,173	9,850
Total	1,105,192	363,319	239,470	137,664	58,128

For footnotes, see opposite page.

Table E.24

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

US dollar against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Country
976	21,035	...	5,143	Australia
83	32	...	311	Austria
9	5	32	676	Bahrain
83	87	...	1,633	Belgium
1	0	1,617	79	Brazil
20,394	1,267	...	497	Canada
—	—	625	2	Chile
—	—	—	—	China
—	—	81	0	Colombia
0	—	838	59	Czech Republic
168	90	5,832	5,202	Denmark
5	4	...	168	Finland
1,000	417	...	2,145	France
380	521	...	5,133	Germany
13	23	...	8	Greece
476	3,412	21,082	6,408	Hong Kong SAR
0	1	17	1	Hungary
2	2	1,588	45	India
1	15	333	47	Indonesia
70	56	...	138	Ireland
—	—	—	—	Israel
57	18	...	269	Italy
433	4,330	...	3,146	Japan
29	24	3,304	98	Korea
249	26	...	1,045	Luxembourg
—	30	654	19	Malaysia
—	—	4,182	—	Mexico
68	47	...	711	Netherlands
14	291	2,134	2	New Zealand
104	6	6,974	238	Norway
—	—	36	—	Peru
0	2	278	277	Philippines
—	—	2,255	296	Poland
5	2	...	9	Portugal
0	2	21	22	Russia
1	1	527	8	Saudi Arabia
2,350	2,831	9,129	13,647	Singapore
—	—	324	—	Slovakia
—	—	0	—	Slovenia
4	9	6,756	244	South Africa
9	3	...	353	Spain
230	53	7,518	1,633	Sweden
198	574	...	3,123	Switzerland
2	15	820	49	Taiwan, China
0	2	1,055	78	Thailand
0	—	144	9	Turkey
12,879	13,934	...	45,990	United Kingdom
13,434	5,098	...	21,507	United States
53,725	54,263	78,154	120,469	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. ² Data for Poland exclude euro deals other than those against domestic currency. Table E.24 (contd.)

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Country	Total	US dollar	Japanese yen	Pound sterling	Swiss franc
Australia	4,586	4,198	69	28	19
Austria	2,591	2,122	186	31	150
Bahrain	520	359	8	34	47
Belgium	4,218	3,691	76	168	154
Brazil	24	18	—	—	—
Canada	4,509	3,913	74	54	24
Chile	5	5	—	—	—
China	—	—	—	—	—
Colombia	1	1	—	—	—
Czech Republic	334	150	0	—	0
Denmark	5,042	4,004	53	39	53
Finland	916	697	10	52	8
France	29,456	27,392	696	840	268
Germany	39,837	33,947	1,827	2,059	894
Greece	2,466	1,168	1,273	5	5
Hong Kong SAR	5,703	5,470	226	8	—
Hungary	178	145	6	7	2
India	98	76	10	0	0
Indonesia	40	26	—	—	—
Ireland	3,228	2,500	130	472	46
Israel	—	—	—	—	—
Italy	9,148	7,892	746	393	38
Japan	19,156	15,060	3,992	38	14
Korea	152	148	—	—	—
Luxembourg	4,751	4,254	147	131	101
Malaysia	45	38	0	—	—
Mexico	1	—	1	—	—
Netherlands	19,088	16,888	681	1,082	142
New Zealand	245	199	0	1	—
Norway	1,271	925	10	4	1
Peru	0	0	—	—	—
Philippines	7	6	—	—	—
Poland	94	—	—	—	—
Portugal	708	609	21	55	12
Russia	89	83	3	2	0
Saudi Arabia	166	131	33	0	0
Singapore	18,019	17,269	539	83	13
Slovakia	161	87	—	—	—
Slovenia	9	—	—	—	—
South Africa	528	449	1	0	0
Spain	4,925	4,724	110	71	9
Sweden	3,707	1,951	65	93	13
Switzerland	24,371	21,335	1,235	340	1,368
Taiwan, China	329	290	36	—	0
Thailand	46	23	14	0	0
Turkey	465	442	4	8	1
United Kingdom	151,292	129,962	7,071	10,580	1,642
United States	58,423	50,672	3,161	1,097	591
Total	420,945	363,319	22,513	17,775	5,616

For footnotes, see opposite page.

Table E.25

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Euro against:

Daily averages in millions of US dollars

Canadian dollar	Australian dollar	Currencies of other reporting countries	Residual currencies	Country
2	263	...	7	Australia
12	2	...	88	Austria
2	1	1	69	Bahrain
15	4	...	109	Belgium
—	—	6	0	Brazil
180	3	...	261	Canada
—	—	—	—	Chile
—	—	—	—	China
—	—	0	0	Colombia
—	—	175	8	Czech Republic
0	0	413	478	Denmark
4	1	...	143	Finland
59	9	...	192	France
78	47	...	985	Germany
0	0	...	15	Greece
—	—	—	0	Hong Kong SAR
1	—	14	3	Hungary
—	—	11	0	India
—	—	0	14	Indonesia
42	2	...	37	Ireland
—	—	—	—	Israel
8	4	...	67	Italy
7	3	...	42	Japan
—	—	3	0	Korea
3	5	...	110	Luxembourg
—	—	6	0	Malaysia
—	—	—	—	Mexico
27	7	...	261	Netherlands
—	9	37	0	New Zealand
0	4	322	5	Norway
—	—	—	—	Peru
—	—	0	—	Philippines
—	—	94	—	Poland
—	0	...	11	Portugal
0	0	0	0	Russia
—	0	1	0	Saudi Arabia
1	58	25	32	Singapore
—	—	74	—	Slovakia
—	—	9	—	Slovenia
—	—	77	1	South Africa
7	0	...	3	Spain
1	0	1,420	162	Sweden
5	4	...	85	Switzerland
—	1	1	0	Taiwan, China
—	—	6	3	Thailand
0	0	8	1	Turkey
279	247	...	1,512	United Kingdom
241	30	...	2,630	United States
976	706	2,704	7,335	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Data for Poland exclude euro deals other than those against domestic currency. Table E.25 (contd.)

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and currency in April 2001¹

Local currency against:

Daily averages in millions of US dollars

Country	Total	US dollar	Euro	Japanese yen	Pound sterling
Australia	22,029	21,035	263	354	207
Austria	2,591	2,122	...	186	31
Bahrain	46	32	1	0	1
Belgium	4,218	3,691	—	76	168
Brazil	1,749	1,617	6	43	0
Canada	20,771	20,394	180	61	87
Chile	625	625	—	—	—
China	—	—	—	—	—
Colombia	81	81	0	—	—
Czech Republic	1,022	838	175	1	5
Denmark	6,590	5,832	413	39	103
Finland	916	697	...	10	52
France	29,456	27,392	—	696	840
Germany	39,837	33,947	...	1,827	2,059
Greece	2,466	1,168	—	1,273	5
Hong Kong SAR	21,122	21,082	—	—	—
Hungary	32	17	14	0	0
India	1,608	1,588	11	2	5
Indonesia	333	333	0	0	0
Ireland	3,228	2,500	...	130	472
Israel	414	—	—	—	—
Italy	9,148	7,892	...	746	393
Japan	85,529	80,274	3,992	—	408
Korea	3,319	3,304	3	11	1
Luxembourg	4,751	4,254	...	147	131
Malaysia	675	654	6	7	2
Mexico	4,182	4,182	—	—	—
Netherlands	19,088	16,888	...	681	1,082
New Zealand	2,293	2,134	37	30	25
Norway	7,472	6,974	322	43	53
Peru	36	36	—	—	—
Philippines	279	278	0	0	1
Poland	2,751	2,255	94	—	—
Portugal	708	609	...	21	55
Russia	22	21	0	—	—
Saudi Arabia	528	527	1	0	0
Singapore	9,214	9,129	25	22	6
Slovakia	397	324	74	—	—
Slovenia	9	0	9	—	0
South Africa	6,891	6,756	77	34	13
Spain	4,925	4,724	—	110	71
Sweden	11,882	7,518	1,420	86	285
Switzerland	15,281	13,032	1,368	396	401
Taiwan, China	829	820	1	7	0
Thailand	1,077	1,055	6	14	1
Turkey	152	144	8	—	—
United Kingdom	100,215	86,865	10,580	1,306	—
United States	160,195	—	50,672	44,462	15,173
Total	610,983	405,640	69,766	52,818	22,134

For footnotes, see opposite page.

Table E.26

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Local currency against:

Daily averages in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Residual currencies	Country
12	16	0	141	Australia
150	12	2	88	Austria
6	0	0	6	Bahrain
154	15	4	109	Belgium
0	0	0	83	Brazil
9	0	10	30	Canada
–	0	0	0	Chile
–	0	0	0	China
–	0	0	0	Colombia
0	0	0	2	Czech Republic
99	3	3	100	Denmark
8	4	1	143	Finland
268	59	9	192	France
894	78	47	985	Germany
5	0	0	15	Greece
–	0	0	40	Hong Kong SAR
0	0	0	0	Hungary
0	0	0	1	India
–	0	0	0	Indonesia
46	42	2	37	Ireland
–	0	0	414	Israel
38	8	4	67	Italy
76	220	191	368	Japan
–	0	0	1	Korea
101	3	5	110	Luxembourg
1	0	1	4	Malaysia
–	0	0	0	Mexico
142	27	7	261	Netherlands
0	1	65	2	New Zealand
2	18	2	58	Norway
–	0	0	0	Peru
0	0	0	0	Philippines
–	0	0	402	Poland
12	0	0	11	Portugal
–	0	0	1	Russia
0	0	0	0	Saudi Arabia
10	0	12	12	Singapore
–	0	0	0	Slovakia
–	0	0	0	Slovenia
3	0	1	7	South Africa
9	7	0	3	Spain
53	19	14	2,486	Sweden
–	27	13	43	Switzerland
0	0	0	1	Taiwan, China
0	0	0	1	Thailand
–	0	0	0	Turkey
263	145	210	846	United Kingdom
9,850	13,434	5,098	21,507	United States
12,212	14,139	5,702	28,572	Total

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products.

Table E.26 (contd.)

OTC foreign exchange derivatives turnover by country and counterparty in April 2001¹

Total

Daily averages in millions of US dollars

Country	Gross turnover	Net turnover ²				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Australia	50,673	40,852	9,821	26,930	118	3,983
Austria	4,073	4,001	73	3,059	733	136
Bahrain	1,596	1,521	75	1,021	385	42
Belgium	7,961	7,751	210	4,364	2,431	746
Brazil	1,916	1,881	36	74	1,082	689
Canada	36,903	33,379	3,524	17,918	7,494	4,443
Chile	854	635	219	–	283	132
China	–	–	–	–	–	–
Colombia	101	82	19	6	39	17
Czech Republic	1,460	1,245	215	745	149	136
Denmark	20,454	19,533	921	14,025	2,567	2,019
Finland	1,156	1,153	3	613	93	444
France	44,799	40,925	3,874	26,797	7,321	2,932
Germany	71,978	65,218	6,760	45,076	8,446	4,936
Greece	2,942	2,812	130	1,204	328	1,150
Hong Kong SAR	60,506	49,388	11,118	31,693	4,479	2,093
Hungary	241	226	15	153	17	41
India	2,990	1,848	1,143	227	142	336
Indonesia	674	534	140	218	75	100
Ireland	5,309	4,662	647	3,061	550	404
Israel	776	414	99	315	–	263
Italy	12,730	12,402	328	9,410	1,712	903
Japan	139,003	115,946	23,057	75,426	7,710	9,753
Korea	5,685	3,950	1,735	1,188	446	581
Luxembourg	9,055	8,900	155	6,947	1,350	448
Malaysia	1,027	895	133	110	361	291
Mexico	4,451	4,186	265	3,679	204	38
Netherlands	26,675	25,206	1,469	14,869	7,059	1,807
New Zealand	3,213	3,056	157	1,916	622	361
Norway	10,492	9,535	957	7,271	619	687
Peru	41	36	5	26	3	3
Philippines	865	605	260	45	157	144
Poland	3,955	3,341	614	2,727	–	–
Portugal	809	804	5	604	55	140
Russia	155	154	1	–	145	8
Saudi Arabia	1,027	855	172	478	44	161
Singapore	77,908	69,258	8,650	45,192	7,807	7,556
Slovakia	517	497	20	318	160	–
Slovenia	12	9	3	–	–	6
South Africa	9,715	7,858	1,857	2,481	2,585	935
Spain	5,567	5,466	100	2,097	2,649	620
Sweden	19,461	19,051	410	8,445	4,014	6,183
Switzerland	56,725	52,951	3,774	34,159	5,058	9,960
Taiwan, China	1,926	1,669	257	701	125	586
Thailand	1,928	1,315	613	476	33	193
Turkey	702	678	24	395	188	72
United Kingdom	456,143	390,313	65,830	193,568	107,505	23,400
United States	189,266	169,076	20,189	76,163	47,281	25,443
Total	1,356,419	1,186,071	170,084	666,189	234,621	115,324

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. ² Net of local inter-dealer double-counting.

Table E.27

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and counterparty in April 2001

Currency swaps

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	514	106	206	54	64	75	8
Austria	39	–	37	–	–	1	–
Bahrain	8	–	–	–	2	–	6
Belgium	50	–	10	1	16	18	6
Brazil	492	11	6	232	3	240	–
Canada	353	29	58	27	70	150	20
Chile	–	–	–	–	–	–	–
China	–	–	–	–	–	–	–
Colombia	2	–	–	2	–	–	–
Czech Republic	6	–	5	0	–	1	–
Denmark	124	–	97	1	17	9	1
Finland	3	–	3	0	–	0	–
France	326	20	218	14	29	17	28
Germany	214	23	86	1	29	6	68
Greece	0	–	–	0	–	–	–
Hong Kong SAR	498	172	279	–	22	15	10
Hungary	–	–	–	–	–	–	–
India	4	1	0	–	–	1	1
Indonesia	18	5	2	9	1	1	–
Ireland	243	3	166	33	35	6	–
Israel	–	–	–	–	–	–	–
Italy	28	1	2	1	–	23	–
Japan	570	42	321	12	72	104	18
Korea	56	10	8	15	11	12	–
Luxembourg	66	4	48	7	4	–	4
Malaysia	–	–	–	–	–	–	–
Mexico	3	–	0	–	2	0	–
Netherlands	83	11	18	–	23	4	26
New Zealand	102	24	66	–	5	7	–
Norway	17	–	11	3	–	3	–
Peru	–	–	–	–	–	–	–
Philippines	3	–	–	–	–	3	–
Poland	–	–	–	–	–	–	–
Portugal	0	–	–	–	0	–	–
Russia	–	–	–	–	–	–	–
Saudi Arabia	–	–	–	–	–	–	–
Singapore	263	7	227	3	11	4	11
Slovakia	109	3	63	43	–	–	–
Slovenia	–	–	–	–	–	–	–
South Africa	7	2	4	–	–	–	–
Spain	161	–	83	–	0	78	–
Sweden	35	–	12	–	–	24	–
Switzerland	62	16	41	–	–	4	1
Taiwan, China	19	4	9	3	–	2	1
Thailand	14	1	4	2	–	8	–
Turkey	–	–	–	–	–	–	–
United Kingdom	4,141	1,221	1,738	152	348	240	441
United States	634	55	319	108	44	76	31
Total	9,264	1,771	4,149	721	810	1,133	680

Table E.28

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country and counterparty in April 2001

Options

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	1,630	272	992	—	—	183	183
Austria	408	8	292	4	95	7	1
Bahrain	60	0	49	—	2	0	9
Belgium	346	21	107	6	170	17	25
Brazil	192	8	11	73	—	100	—
Canada	2,246	166	963	71	288	329	430
Chile	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—
Colombia	1	0	—	—	—	1	—
Czech Republic	60	2	33	9	3	12	—
Denmark	395	13	214	8	71	52	38
Finland	57	—	25	14	0	18	—
France	1,352	41	519	44	287	333	128
Germany	2,772	203	1,687	263	375	163	81
Greece	5	0	2	1	—	2	—
Hong Kong SAR	1,030	85	582	47	102	115	99
Hungary	6	0	2	—	0	4	—
India	4	1	2	—	0	1	0
Indonesia	—	—	—	—	—	—	—
Ireland	172	1	76	1	6	0	88
Israel	—	—	—	—	—	—	—
Italy	595	50	262	73	73	128	10
Japan	5,352	514	2,745	210	433	1,388	63
Korea	156	5	11	6	59	75	—
Luxembourg	110	3	79	1	3	1	22
Malaysia	113	—	57	—	—	57	—
Mexico	16	2	9	1	3	2	—
Netherlands	466	1	226	17	98	111	14
New Zealand	28	—	10	—	10	8	—
Norway	96	3	85	—	—	7	1
Peru	—	—	—	—	—	—	—
Philippines	—	—	—	—	—	—	—
Poland	—	—	—	—	—	—	—
Portugal	12	1	7	—	—	1	3
Russia	—	—	—	—	—	—	—
Saudi Arabia	57	—	22	—	13	22	1
Singapore	2,765	175	1,687	212	63	352	276
Slovakia	—	—	—	—	—	—	—
Slovenia	—	—	—	—	—	—	—
South Africa	87	2	29	9	19	15	12
Spain	395	1	101	17	176	100	—
Sweden	797	89	346	8	275	64	15
Switzerland	5,453	378	3,208	168	347	812	541
Taiwan, China	495	4	232	—	7	234	16
Thailand	2	—	0	—	—	2	—
Turkey	—	—	—	—	—	—	—
United Kingdom	33,129	5,002	17,328	1,960	3,845	928	4,066
United States	18,293	1,451	7,178	2,593	2,859	3,069	1,144
Total	79,156	8,501	39,178	5,816	9,682	8,713	7,266

Table E.29

OTC single currency interest rate derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling
Forward rate agreements	129,099	38,988	47,649	8,716	11,857
with reporting dealers	87,522	29,723	31,358	3,473	9,106
local	36,460	9,713	15,430	183	4,825
cross-border	51,062	20,010	15,929	3,290	4,281
with other financial institutions	36,532	8,499	15,221	5,203	2,359
local	14,984	3,887	6,590	160	1,703
cross-border	21,548	4,612	8,630	5,042	656
with non-financial customers	5,046	765	1,070	40	391
local	3,039	509	254	–	187
cross-border	2,006	257	817	40	204
Swaps	331,192	100,484	173,061	16,168	23,345
with reporting dealers	219,153	64,543	112,787	10,896	17,553
local	90,971	24,748	47,747	3,808	9,643
cross-border	128,181	39,795	65,040	7,088	7,910
with other financial institutions	97,835	30,389	55,313	4,376	4,731
local	36,806	14,741	16,827	1,780	2,229
cross-border	61,029	15,648	38,485	2,596	2,501
with non-financial customers	14,204	5,551	4,961	896	1,061
local	8,502	4,772	1,785	379	560
cross-border	5,703	779	3,175	517	501
Options sold	23,847	10,302	8,992	1,924	1,290
with reporting dealers	16,702	7,081	6,289	1,454	923
local	8,354	5,142	1,434	725	321
cross-border	8,348	1,939	4,855	728	601
with other financial institutions	3,962	1,892	1,264	273	322
local	2,682	1,528	698	200	129
cross-border	1,280	363	566	73	193
with non-financial customers	3,183	1,293	1,436	183	45
local	1,848	1,162	394	47	32
cross-border	1,335	132	1,042	135	12
Options bought	20,628	8,631	7,831	1,892	1,127
with reporting dealers	15,022	6,175	5,810	1,296	803
local	7,606	4,568	1,393	734	216
cross-border	7,417	1,607	4,417	562	587
with other financial institutions	3,508	1,697	1,037	313	270
local	2,122	1,336	375	211	115
cross-border	1,386	361	661	102	155
with non-financial customers	2,097	706	980	266	54
local	1,149	512	343	200	47
cross-border	948	193	637	66	7
Total options	28,613	12,216	10,766	2,411	1,554
Other products	51	...	...	...	...
Total	488,956	151,687	231,476	27,294	36,756

For footnotes, see opposite page.

Table E.30.1

OTC single currency interest rate derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Danish krone	Hong kong dollar	Category
2,034	1,104	4,325	4,309	419	Forward rate agreements
1,362	866	2,877	3,090	352	with reporting dealers
539	404	2,433	1,107	144	local
823	462	444	1,983	207	cross-border
490	169	616	1,126	44	with other financial institutions
165	133	557	513	–	local
325	36	59	613	44	cross-border
182	69	831	93	23	with non-financial customers
172	69	817	39	23	local
11	–	15	54	–	cross-border
4,120	3,897	3,813	912	1,026	Swaps
3,182	2,796	3,008	755	910	with reporting dealers
671	1,350	1,401	346	341	local
2,511	1,446	1,607	408	569	cross-border
794	678	362	132	95	with other financial institutions
84	423	148	73	4	local
709	255	214	59	91	cross-border
144	423	443	26	21	with non-financial customers
16	296	384	13	16	local
129	128	59	13	5	cross-border
288	562	261	44	5	Options sold
267	317	222	35	–	with reporting dealers
251	260	179	6	–	local
16	56	43	29	–	cross-border
20	86	25	3	–	with other financial institutions
9	71	12	3	–	local
11	15	13	0	–	cross-border
1	160	14	5	–	with non-financial customers
0	160	14	2	–	local
1	0	0	3	–	cross-border
299	492	129	46	44	Options bought
275	358	120	18	9	with reporting dealers
255	269	120	6	–	local
21	89	1	12	9	cross-border
12	116	5	6	–	with other financial institutions
2	41	5	2	–	local
10	75	1	4	–	cross-border
11	18	3	22	–	with non-financial customers
9	10	2	4	–	local
2	8	1	19	–	cross-border
316	717	219	63	4	Total options
...	...	...	...	...	Other products
6,470	5,718	8,356	5,284	1,450	Total

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 E30.1 (contd.)

OTC single currency interest rate derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies:

Daily averages in millions of US dollars

Category	Indonesian rupiah	Mexican peso	New Zealand dollar	Norwegian krone	Singapore dollar
Forward rate agreements	–	158	270	2,759	45
with reporting dealers	–	131	235	1,322	44
local	–	75	164	466	42
cross-border	–	56	71	856	3
with other financial institutions	–	26	26	1,077	1
local	–	26	17	653	1
cross-border	–	–	10	424	–
with non-financial customers	–	1	8	360	–
local	–	1	6	122	–
cross-border	–	–	2	237	–
Swaps	3	94	161	285	268
with reporting dealers	3	81	113	201	207
local	–	26	36	63	158
cross-border	3	55	77	137	49
with other financial institutions	–	11	14	61	32
local	–	6	5	11	19
cross-border	–	4	9	50	13
with non-financial customers	0	2	34	24	30
local	0	2	29	18	30
cross-border	–	–	5	6	–
Options sold	–	4	2	6	4
with reporting dealers	–	1	0	2	1
local	–	–	0	0	–
cross-border	–	1	–	2	1
with other financial institutions	–	–	2	2	–
local	–	–	2	–	–
cross-border	–	–	–	2	–
with non-financial customers	–	3	0	1	3
local	–	3	0	1	3
cross-border	–	–	–	–	–
Options bought	–	1	1	7	3
with reporting dealers	–	1	–	6	0
local	–	–	–	0	–
cross-border	–	1	–	6	0
with other financial institutions	–	–	1	0	–
local	–	–	1	–	–
cross-border	–	–	–	0	–
with non-financial customers	–	0	–	1	3
local	–	0	–	1	3
cross-border	–	–	–	–	–
Total options	–	4	4	8	6
Other products	...	...	...	...	...
Total	3	256	434	3,052	320

For footnotes, see opposite pages.

Table E.30.2

OTC single currency interest rate derivatives turnover net of local and cross-border inter-dealer double-counting by instrument, counterparty and currency in April 2001¹

Total reported transactions in all currencies

Daily averages in millions of US dollars

Swedish krona	Thai baht	Currencies of other reporting countries	Residual currencies	Category
3,925	3	648	1,891	Forward rate agreements
1,843	3	459	1,276	with reporting dealers
414	–	203	318	local
1,430	3	257	958	cross-border
1,032	–	178	464	with other financial institutions
296	–	77	206	local
736	–	101	259	cross-border
1,050	–	11	150	with non-financial customers
826	–	11	5	local
224	–	–	145	cross-border
1,137	5	402	2,012	Swaps
702	1	180	1,235	with reporting dealers
187	1	120	326	local
514	0	61	909	cross-border
319	1	126	404	with other financial institutions
165	1	109	179	local
154	–	17	225	cross-border
116	4	96	373	with non-financial customers
60	4	96	44	local
56	–	0	329	cross-border
93	–	19	52	Options sold
49	–	3	59	with reporting dealers
24	–	3	8	local
25	–	0	51	cross-border
36	–	5	32	with other financial institutions
5	–	4	20	local
31	–	0	12	cross-border
9	–	11	20	with non-financial customers
1	–	11	18	local
8	–	–	2	cross-border
68	–	4	53	Options bought
37	–	3	110	with reporting dealers
13	–	3	29	local
24	–	0	81	cross-border
17	–	1	32	with other financial institutions
11	–	0	22	local
7	–	0	9	cross-border
14	–	0	20	with non-financial customers
8	–	0	11	local
5	–	–	9	cross-border
118	–	20	188	Total options
...	...	...	51	Other products
5,180	8	1,070	4,142	Total

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.30.2 (contd.)

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Daily averages in millions of US dollars

Country	Total	US dollar	Euro	Japanese yen	Pound sterling
Australia	9,811	1,203	330	56	291
Austria	4,238	915	3,029	28	67
Bahrain	217	205	6	—	1
Belgium	14,093	1,227	11,851	39	234
Brazil	262	79	1	—	0
Canada	9,916	3,714	920	16	572
Chile	...	...	...	...	...
China	—	—	—	—	—
Colombia	—	—	—	—	—
Czech Republic	172	15	16	—	—
Denmark	5,787	410	361	4	77
Finland	513	36	466	—	4
France	65,096	10,630	48,646	1,957	1,704
Germany	94,030	17,535	69,601	1,154	2,097
Greece	29	8	20	—	—
Hong Kong SAR	2,641	761	33	17	—
Hungary	0	—	—	—	—
India	109	50	0	—	20
Indonesia	4	4	—	—	—
Ireland	5,815	1,040	2,985	286	997
Israel	—	—	—	—	—
Italy	23,698	2,629	21,063	0	2
Japan	15,761	2,438	529	12,600	134
Korea	82	41	—	—	—
Luxembourg	4,455	1,538	2,509	27	171
Malaysia	30	3	—	—	—
Mexico	366	—	—	—	—
Netherlands	24,212	2,730	20,419	32	900
New Zealand	314	27	—	—	—
Norway	2,907	112	67	—	—
Peru	...	...	...	...	...
Philippines	—	—	—	—	—
Poland	460	—	—	—	—
Portugal	329	28	300	—	—
Russia	—	—	—	—	—
Saudi Arabia	127	82	1	—	2
Singapore	3,193	1,238	277	1,017	—
Slovakia	8	—	—	—	—
Slovenia	—	—	—	—	—
South Africa	578	45	—	—	—
Spain	20,464	5,996	13,159	4	1,264
Sweden	3,224	77	367	—	3
Switzerland	9,615	375	185	6,779	5
Taiwan, China	108	85	0	0	—
Thailand	8	3	—	0	—
Turkey	—	—	—	—	—
United Kingdom	237,762	62,068	113,439	6,975	39,896
United States	115,668	95,917	6,802	7,329	1,102
Total	676,105	213,265	317,381	38,318	49,541

For footnotes, see opposite page.

Table E.31

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country and currency in April 2001¹

Daily averages in millions of US dollars

Swiss franc	Canadian dollar	Australian dollar	Currencies of other reporting countries ²	Residual currencies	Country
1	1	7,680	249	0	Australia
156	—	—	—	43	Austria
1	—	—	—	4	Bahrain
63	17	6	641	16	Belgium
—	—	—	175	6	Brazil
159	4,520	6	9	—	Canada
...	...	...	...	...	Chile
—	—	—	—	—	China
—	—	—	—	—	Colombia
1	—	—	129	12	Czech Republic
5	—	1	4,930	—	Denmark
—	—	—	7	0	Finland
1,242	139	53	669	57	France
2,578	13	161	250	641	Germany
—	—	—	—	—	Greece
—	—	—	1,527	303	Hong Kong SAR
—	—	—	0	—	Hungary
—	—	—	39	0	India
—	—	—	—	—	Indonesia
152	155	36	153	11	Ireland
—	—	—	—	—	Israel
—	0	—	0	3	Italy
—	1	8	22	31	Japan
—	—	—	41	0	Korea
73	9	5	120	4	Luxembourg
—	—	—	2	25	Malaysia
—	—	—	366	—	Mexico
81	7	3	36	4	Netherlands
—	—	6	281	0	New Zealand
—	—	—	2,728	0	Norway
...	...	...	...	...	Peru
—	—	—	—	—	Philippines
—	—	—	460	—	Poland
—	—	—	—	...	Portugal
—	—	—	—	—	Russia
—	—	—	43	—	Saudi Arabia
—	—	148	355	158	Singapore
—	—	—	8	—	Slovakia
—	—	—	—	—	Slovenia
—	—	—	473	61	South Africa
0	—	—	—	41	Spain
3	—	—	2,767	7	Sweden
2,117	—	10	109	35	Switzerland
—	—	1	22	0	Taiwan, China
—	—	—	5	—	Thailand
—	—	—	—	—	Turkey
2,760	479	2,263	6,674	3,208	United Kingdom
431	2,358	44	559	1,127	United States
9,822	7,698	10,429	23,851	5,798	Total

¹ Forward rate agreements, swaps, options and other products. ² Includes only transactions where at least one counterparty is located in the country of issue of the currency in question. Table E.31 (contd.)

OTC single currency interest rate derivatives turnover by country and counterparty in April 2001¹

Total

Daily averages in millions of US dollars

Country	Gross turnover	Net turnover ²				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Australia	13,799	9,811	3,988	3,907	753	1,164
Austria	4,393	4,238	155	3,690	368	24
Bahrain	218	217	1	143	71	2
Belgium	14,521	14,093	427	7,369	5,973	324
Brazil	267	262	6	—	70	186
Canada	11,970	9,916	2,054	5,900	1,117	846
Chile	—	—	—	—	—	—
China	—	—	—	—	—	—
Colombia	—	—	—	—	—	—
Czech Republic	202	172	29	90	48	4
Denmark	6,787	5,787	1,000	3,688	859	240
Finland	540	513	27	471	—	15
France	77,834	65,096	12,738	37,904	12,454	2,000
Germany	107,156	94,030	13,126	55,107	22,382	3,415
Greece	32	29	3	23	2	1
Hong Kong SAR	3,074	2,641	433	1,887	216	106
Hungary	1	0	0	—	—	—
India	127	109	17	73	13	5
Indonesia	4	4	—	2	—	1
Ireland	6,121	5,815	306	4,865	583	52
Israel	—	—	—	—	—	—
Italy	24,886	23,698	1,187	13,129	9,131	248
Japan	18,351	15,761	2,584	10,189	2,023	934
Korea	107	82	25	30	25	3
Luxembourg	4,477	4,455	22	3,869	433	131
Malaysia	39	30	2	3	1	—
Mexico	467	366	101	222	37	6
Netherlands	29,478	24,212	5,265	11,238	7,516	192
New Zealand	443	314	129	125	26	34
Norway	3,396	2,907	489	1,406	856	156
Peru	—	—	—	—	—	—
Philippines	—	—	—	—	—	—
Poland	523	460	63	397	—	—
Portugal	355	329	26	201	89	11
Russia	—	—	—	—	—	—
Saudi Arabia	154	127	27	99	—	2
Singapore	3,491	3,193	298	2,419	411	62
Slovakia	8	8	0	1	7	—
Slovenia	—	—	—	—	—	—
South Africa	760	578	182	182	212	3
Spain	21,282	20,464	818	9,733	9,759	154
Sweden	3,276	3,224	52	1,223	561	1,389
Switzerland	9,939	9,615	324	4,522	4,709	60
Taiwan, China	127	108	19	75	0	14
Thailand	9	8	1	3	1	4
Turkey	—	—	—	—	—	—
United Kingdom	296,430	237,762	58,668	133,810	39,488	5,796
United States	146,485	115,668	30,817	56,259	21,644	6,947
Total	811,530	676,105	135,411	374,251	141,837	24,530

¹ Forward rate agreements, swaps, options and other products. ² Net of local inter-dealer double-counting.

Table E.32

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Forward rate agreements

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	5,464	2,452	1,718	367	83	824	21
Austria	1,962	20	1,810	0	111	11	10
Bahrain	169	—	105	—	63	—	2
Belgium	1,157	15	840	11	250	41	—
Brazil	22	—	—	3	—	19	—
Canada	2,883	488	2,087	80	155	68	6
Chile	...	...	...	...	...	...	...
China	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—
Czech Republic	115	26	49	17	22	1	—
Denmark	4,117	812	2,459	140	549	17	139
Finland	30	—	21	—	—	9	—
France	6,713	341	4,656	101	1,241	235	139
Germany	17,155	3,018	10,614	339	2,562	32	588
Greece	—	—	—	—	—	—	—
Hong Kong SAR	531	89	376	—	43	23	—
Hungary	0	0	—	—	—	—	—
India	13	0	13	—	—	—	—
Indonesia	—	—	—	—	—	—	—
Ireland	1,204	111	1,024	41	20	1	7
Israel	—	—	—	—	—	—	—
Italy	6,790	49	3,727	50	2,957	7	0
Japan	1,051	—	852	—	199	—	—
Korea	18	—	1	—	17	—	—
Luxembourg	1,191	—	1,043	—	144	—	4
Malaysia	0	0	—	0	—	—	—
Mexico	214	75	111	26	—	1	—
Netherlands	4,548	231	2,666	108	1,521	22	1
New Zealand	203	105	75	17	—	6	—
Norway	2,591	426	1,193	647	190	135	—
Peru	...	...	...	...	...	...	...
Philippines	—	—	—	—	—	—	—
Poland	408	55	353	—	—	—	—
Portugal	38	—	38	—	—	—	—
Russia	—	—	—	—	—	—	—
Saudi Arabia	16	2	14	—	—	—	—
Singapore	755	65	635	1	43	11	—
Slovakia	8	0	1	7	—	—	—
Slovenia	—	—	—	—	—	—	—
South Africa	470	148	151	80	88	2	—
Spain	3,490	11	727	6	2,737	9	—
Sweden	2,749	40	949	71	381	847	460
Switzerland	7,846	61	3,122	—	4,618	45	—
Taiwan, China	44	5	39	—	—	0	—
Thailand	3	—	3	—	—	—	—
Turkey	—	—	—	—	—	—	—
United Kingdom	83,165	23,191	44,689	11,701	2,744	271	569
United States	23,028	4,622	15,961	1,170	812	402	61
Total	180,161	36,460	102,123	14,984	21,548	3,039	2,006

Table E.33

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Swaps

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	4,050	1,387	2,108	117	145	268	25
Austria	2,205	131	1,826	18	229	0	1
Bahrain	47	1	39	—	7	—	—
Belgium	11,887	404	6,103	518	4,693	29	139
Brazil	229	6	—	66	0	157	—
Canada	6,073	1,288	3,483	364	362	365	211
Chile	...	...	...	...	...	...	...
China	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—
Czech Republic	54	3	40	7	3	2	0
Denmark	1,490	183	1,125	54	64	19	44
Finland	328	27	297	—	—	1	3
France	55,838	12,134	31,491	6,969	3,866	1,173	205
Germany	74,043	9,866	42,656	3,249	15,870	230	2,172
Greece	25	3	23	—	0	—	—
Hong Kong SAR	1,895	334	1,402	4	109	35	12
Hungary	—	—	—	—	—	—	—
India	96	17	60	13	1	5	—
Indonesia	4	—	2	—	—	1	—
Ireland	4,160	180	3,462	26	465	1	25
Israel	—	—	—	—	—	—	—
Italy	16,580	1,133	9,176	1,000	5,092	163	16
Japan	12,562	1,906	8,447	319	1,038	392	460
Korea	64	25	29	7	1	3	—
Luxembourg	2,658	22	2,362	—	274	—	0
Malaysia	5	1	3	1	—	—	—
Mexico	147	26	109	6	4	2	—
Netherlands	19,337	5,024	8,346	253	5,572	17	123
New Zealand	108	25	50	5	—	28	0
Norway	301	63	202	8	12	17	—
Peru	...	...	...	...	...	...	...
Philippines	—	—	—	—	—	—	—
Poland	52	8	44	—	—	—	—
Portugal	288	26	162	0	89	11	—
Russia	—	—	—	—	—	—	—
Saudi Arabia	112	25	85	—	—	2	—
Singapore	2,392	232	1,758	22	344	30	7
Slovakia	—	—	—	—	—	—	—
Slovenia	—	—	—	—	—	—	—
South Africa	101	31	30	22	16	0	—
Spain	16,753	807	8,936	577	6,339	50	45
Sweden	419	11	224	35	72	75	2
Switzerland	1,729	247	1,392	12	68	10	—
Taiwan, China	58	13	34	—	0	4	7
Thailand	6	1	1	1	—	4	—
Turkey	—	—	—	—	—	—	—
United Kingdom	141,738	33,862	82,308	11,638	11,346	961	1,623
United States	81,542	21,520	38,548	11,497	4,948	4,448	582
Total	459,373	90,971	256,362	36,806	61,029	8,502	5,703

Table E.34

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country and counterparty in April 2001

Options

Daily averages in millions of US dollars

Country	Total	Reporting dealers		Financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Australia	297	149	81	17	24	26	1
Austria	70	5	54	4	5	0	2
Bahrain	1	—	—	—	1	—	—
Belgium	1,050	8	426	15	486	5	109
Brazil	11	—	—	1	—	10	—
Canada	960	279	329	108	48	171	24
Chile	...	...	...	...	...	...	...
China	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—
Czech Republic	3	—	2	—	—	1	—
Denmark	179	5	103	11	41	9	11
Finland	156	—	153	—	—	2	—
France	2,546	263	1,757	116	161	227	22
Germany	2,832	242	1,836	78	283	159	233
Greece	3	0	—	1	1	1	—
Hong Kong SAR	215	10	109	41	20	27	9
Hungary	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—
Ireland	442	15	378	—	30	9	9
Israel	—	—	—	—	—	—	—
Italy	325	5	225	12	20	57	5
Japan	2,118	678	890	395	72	46	36
Korea	—	—	—	—	—	—	—
Luxembourg	607	0	464	—	16	110	17
Malaysia	—	—	—	—	—	—	—
Mexico	5	—	2	—	—	4	—
Netherlands	326	10	226	12	50	2	26
New Zealand	4	—	—	3	—	0	—
Norway	15	0	11	—	0	1	3
Peru	...	...	...	...	...	...	...
Philippines	—	—	—	—	—	—	—
Poland	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—
Singapore	42	1	26	—	1	8	6
Slovakia	—	—	—	—	—	—	—
Slovenia	—	—	—	—	—	—	—
South Africa	8	3	—	4	1	1	—
Spain	221	1	70	9	91	50	—
Sweden	56	0	50	0	2	4	—
Switzerland	40	16	8	0	11	0	4
Taiwan, China	6	—	3	—	—	2	1
Thailand	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	—
United Kingdom	12,859	1,615	6,813	1,439	620	728	1,644
United States	11,098	4,676	1,750	2,537	680	1,335	120
Total	36,496	7,980	15,765	4,804	2,666	2,997	2,283

Table E.35

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting
by country in April 1998 and April 2001¹

Daily averages in millions of US dollars

Country	Total	April 1998				
		Outright forwards	Foreign exchange swaps	Currency swaps	Options	Other products ²
Australia	28,750	2,487	24,538	398	1,328	—
Austria	6,402	529	4,606	128	1,139	—
Bahrain	925	381	360	4	180	—
Belgium	20,074	1,022	18,249	64	739	...
Canada	27,153	1,431	24,580	277	866	...
Chile	466	466	...	...	...	...
Czech Republic	2,998	...	2,897	...	101	...
Denmark	21,720	1,082	19,875	96	666	—
Finland	3,250	264	2,747	13	226	...
France	57,935	3,162	49,502	806	4,465	—
Germany	57,632	8,396	43,917	602	4,717	—
Greece	4,073	774	3,288	10	1	...
Hong Kong SAR	48,942	3,720	43,850	351	983	37
Hungary	464	153	280	29	2	...
India	1,290	382	903	2	3	...
Indonesia	1,037	78	733	41	185	...
Ireland	5,607	1,362	3,622	340	283	...
Italy	17,103	1,825	14,746	20	335	177
Japan	88,981	17,439	61,114	1,139	9,289	—
Korea	1,046	287	703	9	46	—
Luxembourg	14,905	1,250	13,114	162	379	—
Malaysia	800	61	736	...	3	...
Mexico	2,397	403	1,957	—	37	—
Netherlands	27,474	6,160	19,598	196	1,520	—
New Zealand	4,966	352	4,555	15	44	—
Norway	5,911	163	5,657	42	50	—
Philippines	403	178	224	—	—	—
Poland	541	53	488	...	...	...
Portugal	2,603	337	2,227	1	37	...
Russia	873	658	68	—	146	—
Saudi Arabia	1,105	409	604	...	91	...
Singapore	85,399	4,408	74,706	1,340	4,610	335
South Africa	5,206	1,618	3,503	26	60	—
Spain	13,733	1,042	12,028	515	148	—
Sweden	11,208	746	9,708	48	705	—
Switzerland	57,156	5,465	41,790	250	9,650	...
Taiwan, China	1,524	606	754	13	151	—
Thailand	2,228	188	1,962	7	70	—
United Kingdom	468,256	47,966	372,442	5,152	42,697	—
United States	235,374	37,181	165,699	1,358	31,137	—
Total	1,337,907	154,484	1,052,332	13,453	117,088	549

¹ For footnotes, see opposite page.

Table E.36

OTC foreign exchange derivatives turnover net of local inter-dealer double-counting by country in April 1998 and April 2001¹

Daily averages in millions of US dollars

Country	Total	April 2001				
		Outright forwards	Foreign exchange swaps	Currency swaps	Options	Other products ²
Australia	40,852	3,456	35,252	514	1,630	...
Austria	4,001	471	3,083	39	408	...
Bahrain	1,521	721	733	8	60	—
Belgium	7,751	663	6,692	50	346	—
Brazil	1,881	986	210	492	192	—
Canada	33,379	2,250	28,530	353	2,246	...
Chile	635	635	—	—	—	—
China	—	—	—	—	—	—
Colombia	82	77	3	2	1	—
Czech Republic	1,245	41	1,138	6	60	—
Denmark	19,533	720	18,292	124	395	—
Finland	1,153	59	1,034	3	57	—
France	40,925	1,454	37,792	326	1,352	...
Germany	65,218	11,558	50,674	214	2,772	...
Greece	2,812	283	2,524	0	5	—
Hong Kong SAR	49,388	3,864	43,991	498	1,030	4
Hungary	226	63	157	—	6	—
India	1,848	451	1,389	4	4	...
Indonesia	534	210	305	18	—	—
Ireland	4,662	712	3,535	243	172	—
Israel	414	—	414	—	—	—
Italy	12,402	790	10,941	28	595	48
Japan	115,946	19,720	90,304	570	5,352	...
Korea	3,950	1,203	2,535	56	156	—
Luxembourg	8,900	1,160	7,563	66	110	—
Malaysia	895	233	549	—	113	...
Mexico	4,186	417	3,750	3	16	—
Netherlands	25,206	3,406	21,248	83	466	2
New Zealand	3,056	201	2,726	102	28	—
Norway	9,535	414	9,008	17	96	—
Peru	36	35	1	—	—	—
Philippines	605	112	491	3	—	...
Poland	3,341	442	2,899	—	—	—
Portugal	804	104	688	0	12	...
Russia	154	154	—	—	—	—
Saudi Arabia	855	215	583	—	57	—
Singapore	69,258	8,489	57,687	263	2,765	53
Slovakia	497	0	388	109	—	—
Slovenia	9	9	—	—	—	—
South Africa	7,858	487	7,278	7	87	—
Spain	5,466	763	4,146	161	395	—
Sweden	19,051	1,274	16,945	35	797	...
Switzerland	52,951	6,331	41,104	62	5,453	—
Taiwan, China	1,669	440	716	19	495	—
Thailand	1,315	130	1,169	14	2	—
Turkey	678	279	399	—	—	...
United Kingdom	390,313	52,698	300,336	4,141	33,129	9
United States	169,076	35,852	114,297	634	18,293	—
Total	1,186,071	164,036	933,498	9,264	79,156	116

¹ Outright forwards, foreign exchange swaps, currency swaps, options and other products. Data for Japan revised for April 1998. ² Since data for other products were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally. Table E.36 (contd.)

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country in April 1998 and April 2001¹

Daily averages in millions of US dollars

Country	Total	April 1998			
		Forward rate agreements	Swaps	Options	Other products ²
Australia	2,830	1,470	1,272	87	–
Austria	3,327	1,133	2,080	113	–
Bahrain	186	96	90	1	–
Belgium	4,856	1,109	3,594	153	...
Canada	6,420	2,428	2,926	1,049	17
Chile	–	...	...	...	...
Czech Republic	–	...	...	...	...
Denmark	4,172	3,372	694	106	–
Finland	2,118	1,779	331	8	...
France	40,577	4,632	32,448	3,497	–
Germany	29,077	5,569	20,273	3,235	–
Greece	4	3	1	–	...
Hong Kong SAR	2,437	404	1,939	94	1
Hungary	3	0	3	0	...
India	–	...	...	...	...
Indonesia	–	...	...	...	...
Ireland	1,805	1,068	728	9	...
Italy	4,062	850	2,909	303	–
Japan	31,623	968	17,612	13,043	–
Korea	7	–	7	–	–
Luxembourg	2,009	348	1,574	87	–
Malaysia	1	...	1	...	...
Mexico	180	180	–	–	...
Netherlands	3,545	1,821	1,532	191	–
New Zealand	421	270	101	50	–
Norway	2,816	2,654	155	7	–
Philippines	–	–	–	–	–
Poland	–	...	...	...	...
Portugal	998	801	157	40	...
Russia	–	–	–	–	–
Saudi Arabia	247	11	75	160	...
Singapore	5,347	1,141	4,183	9	14
South Africa	762	269	214	252	27
Spain	2,871	1,077	1,726	68	–
Sweden	3,568	2,717	368	483	–
Switzerland	5,882	1,922	3,908	53	...
Taiwan, China	116	–	115	0	–
Thailand	–	...	...	...	...
United Kingdom	122,928	42,440	68,754	11,734	–
United States	58,448	16,033	31,368	11,041	6
Total	343,645	96,566	201,140	45,875	65

¹ For footnotes, see opposite page.

Table E.37

OTC single currency interest rate derivatives turnover net of local inter-dealer double-counting by country in April 1998 and April 2001¹

Daily averages in millions of US dollars

Country	Total	April 2001			
		Forward rate agreements	Swaps	Options	Other products ²
Australia	9,811	5,464	4,050	297	—
Austria	4,238	1,962	2,205	70	...
Bahrain	217	169	47	1	—
Belgium	14,093	1,157	11,887	1,050	—
Brazil	262	22	229	11	—
Canada	9,916	2,883	6,073	960	...
Chile	...	...	...	...	...
China	—	—	—	—	...
Colombia	—	—	—	—	...
Czech Republic	172	115	54	3	...
Denmark	5,787	4,117	1,490	179	—
Finland	513	30	328	156	—
France	65,096	6,713	55,838	2,546	...
Germany	94,030	17,155	74,043	2,832	—
Greece	29	—	25	3	—
Hong Kong SAR	2,641	531	1,895	215	—
Hungary	0	0	—	—	—
India	109	13	96	—	...
Indonesia	4	—	4	—	...
Ireland	5,815	1,204	4,160	442	9
Israel	—	—	—	—	...
Italy	23,698	6,790	16,580	325	3
Japan	15,761	1,051	12,562	2,118	31
Korea	82	18	64	—	—
Luxembourg	4,455	1,191	2,658	607	—
Malaysia	30	0	5	—	25
Mexico	366	214	147	5	...
Netherlands	24,212	4,548	19,337	326	1
New Zealand	314	203	108	4	—
Norway	2,907	2,591	301	15	...
Peru	...	...	...	...	...
Philippines	—	—	—	—	...
Poland	460	408	52	—	—
Portugal	329	38	288	—	2
Russia	—	—	—	—	...
Saudi Arabia	127	16	112	—	—
Singapore	3,193	755	2,392	42	4
Slovakia	8	8	—	—	—
Slovenia	—	—	—	—	...
South Africa	578	470	101	8	—
Spain	20,464	3,490	16,753	221	—
Sweden	3,224	2,749	419	56	—
Switzerland	9,615	7,846	1,729	40	—
Taiwan, China	108	44	58	6	—
Thailand	8	3	6	—	—
Turkey	—	—	—	—	...
United Kingdom	237,762	83,165	141,738	12,859	—
United States	115,668	23,028	81,542	11,098	—
Total	676,105	180,161	459,373	36,496	75

¹ Forward rate agreements, swaps, options and other products. ² Since data for other products were only collected on a gross basis, data on a net basis have been calculated by adjusting the gross data proportionally. Table E.37 (contd.)

Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling
Forwards and FX swaps	13,274,760	12,489,476	4,433,666	2,725,504	1,914,312
with reporting dealers	5,087,097	4,865,607	1,624,242	1,240,465	653,358
with other financial institutions	5,656,643	5,319,380	1,863,753	1,012,942	850,847
with other non-financial customers	2,524,012	2,304,488	945,667	472,099	410,109
Currency swaps	4,302,469	3,487,201	1,747,245	1,192,199	639,173
with reporting dealers	1,222,032	1,068,341	488,940	375,961	161,164
with other financial institutions	1,865,087	1,498,291	773,005	526,033	268,339
with other non-financial customers	1,215,090	920,566	485,301	290,209	209,670
Options sold	1,791,414	1,518,182	682,020	698,036	207,918
with reporting dealers	904,337	751,904	322,486	417,417	103,289
with other financial institutions	547,268	474,355	210,952	181,679	64,773
with other non-financial customers	339,779	291,923	148,582	98,939	39,855
Options bought	1,987,822	1,652,945	823,311	681,101	262,754
with reporting dealers	1,005,855	862,626	400,269	400,302	120,145
with other financial institutions	604,039	495,240	249,107	169,569	88,556
with other non-financial customers	377,898	295,082	173,938	111,231	54,054
Total options	2,824,140	2,363,865	1,143,957	970,280	358,955
Other products	33,458	...	...	...	...
Total contracts	20,434,814	18,340,527	7,324,855	4,887,978	2,912,431

For footnotes, see opposite page.

Table E.38

Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies	Category
652,949	557,238	443,792	3,332,583	Forwards and FX swaps
222,796	159,612	143,546	1,264,568	with reporting dealers
303,333	225,607	165,297	1,572,127	with other financial institutions
126,821	172,018	134,954	481,868	with other non-financial customers
216,137	231,606	89,080	1,002,297	Currency swaps
40,588	49,324	21,346	238,400	with reporting dealers
93,552	71,311	32,034	467,609	with other financial institutions
81,997	110,975	35,700	295,762	with other non-financial customers
80,359	65,793	17,721	312,799	Options sold
37,093	31,639	11,693	133,153	with reporting dealers
27,398	16,693	2,657	116,029	with other financial institutions
15,869	17,460	3,371	63,559	with other non-financial customers
80,774	59,048	22,373	393,338	Options bought
30,944	26,484	11,416	159,524	with reporting dealers
27,643	16,629	2,758	158,576	with other financial institutions
22,187	15,936	8,198	75,170	with other non-financial customers
127,116	95,779	28,543	559,785	Total options
...	...	...	...	Other products
996,202	884,625	561,415	4,961,595	Total contracts

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.38 (contd.)

Notional amounts outstanding of OTC single currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-June 2001¹

All Currencies

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling
Forward rate agreements	7,678,463	2,736,102	1,593,171	793,435	375,906
with reporting dealers	3,703,859	1,168,225	985,863	613,864	182,205
with other financial institutions	3,130,571	998,808	573,905	176,989	176,711
with other non-financial customers	843,454	569,067	33,408	2,583	16,992
Swaps	57,219,677	17,541,777	19,504,569	10,323,000	4,847,780
with reporting dealers	28,029,397	7,545,948	9,960,614	6,204,638	2,105,351
with other financial institutions	24,130,478	7,748,609	8,453,322	3,390,896	2,351,715
with other non-financial customers	5,059,312	2,247,222	1,090,633	727,463	390,714
Options sold	8,068,552	3,868,458	2,660,756	602,015	625,727
with reporting dealers	4,532,972	1,860,928	1,793,496	396,315	352,295
with other financial institutions	2,483,346	1,427,645	646,397	107,682	202,560
with other non-financial customers	1,052,234	579,884	220,864	98,019	70,874
Options bought	7,430,378	3,420,381	2,601,752	605,745	545,750
with reporting dealers	4,637,932	1,939,516	1,815,477	426,880	333,155
with other financial institutions	2,215,969	1,211,358	631,196	123,990	158,047
with other non-financial customers	576,477	269,506	155,078	54,876	54,548
Total options	10,913,482	5,388,619	3,458,023	796,165	828,757
Other products	1,612	...	...	...	...
Total contracts	75,813,221	25,666,485	24,555,753	11,912,598	6,052,437

For footnotes, see opposite page.

Table E.39

Notional amounts outstanding of OTC single currency interest rate derivatives
net of inter-dealer double-counting by instrument, counterparty and currency at end-
June 2001¹

All Currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish Krona	Other currencies	Category
145,394	42,865	624,406	1,367,184	Forward rate agreements
92,827	23,027	255,669	382,179	with reporting dealers
44,044	15,979	265,914	878,221	with other financial institutions
8,526	3,859	102,825	106,194	with other non-financial customers
1,116,665	826,378	535,400	2,524,108	Swaps
640,053	333,278	250,072	989,443	with reporting dealers
410,341	304,286	237,747	1,233,562	with other financial institutions
66,272	188,816	47,582	300,610	with other non-financial customers
30,808	93,631	26,846	160,311	Options sold
18,249	39,761	11,706	60,222	with reporting dealers
6,648	25,872	9,353	57,189	with other financial institutions
5,911	27,998	5,788	42,896	with other non-financial customers
29,056	65,332	24,191	138,171	Options bought
19,186	35,315	11,708	56,695	with reporting dealers
5,763	22,732	9,727	53,156	with other financial institutions
4,107	7,285	2,755	28,322	with other non-financial customers
41,148	121,427	39,329	240,014	Total options
...	...	...	...	Other products
1,303,206	990,670	1,199,139	4,132,933	Total contracts

¹While 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.39 (contd.)

Notional amounts outstanding of OTC equity-linked derivatives net of inter-dealer double-counting by instrument, counterparty and market risk factor at end-June 2001¹

In millions of US dollars

Category	Total	US	Japanese	European ²	Latin American	Other Asian	Other
Forwards and swaps	372,946	109,019	9,396	199,355	7,586	1,046	46,544
with reporting dealers	92,431	24,543	2,372	55,921	151	67	9,377
with other financial institutions	204,523	48,304	5,371	120,754	6,311	539	23,244
with other non-financial customers	75,989	36,171	1,653	22,682	1,124	441	13,918
Options sold	1,047,870	161,479	63,145	780,329	6,697	4,159	32,061
with reporting dealers	589,702	75,109	42,180	461,594	296	2,840	7,683
with other financial institutions	327,384	45,804	18,066	246,803	2,814	723	13,174
with other non-financial customers	130,785	40,566	2,901	71,934	3,587	597	11,200
Options bought	1,192,603	174,669	65,731	911,225	4,873	6,049	30,056
with reporting dealers	558,373	84,217	40,517	420,513	570	2,624	9,932
with other financial institutions	517,770	36,849	22,466	444,282	1,946	795	11,432
with other non-financial customers	116,461	53,602	2,748	46,430	2,356	2,630	8,695
Total options	1,666,438	256,487	87,533	1,250,502	11,139	7,477	53,300
Total contracts	2,039,378	365,505	96,929	1,449,858	18,722	8,523	99,841

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. ² Excluding eastern Europe. Table E.40

Notional amounts outstanding of OTC commodity, credit and other derivatives net of inter-dealer double-counting by instrument and counterparty at end-June 2001¹

In millions of US dollars

Category	Total commodities	Gold	Precious metals (other than gold)	Other commodities	Credit derivatives	Other derivatives
Forwards and swaps	376,462	141,780	12,011	222,671	537,317	1,003
with reporting dealers	...	...	...	...	147,416	32
with other financial institutions	...	...	...	...	302,858	302
with other non-financial customers	...	...	...	...	87,047	669
Options sold	159,991	81,049	6,605	72,337	112,043	1,122
with reporting dealers	...	...	...	...	71,595	819
with other financial institutions	...	...	...	...	36,430	78
with other non-financial customers	...	...	...	...	4,018	225
Options bought	204,409	85,534	12,308	106,567	113,646	1,370
with reporting dealers	...	...	...	...	64,783	588
with other financial institutions	...	...	...	...	40,006	476
with other non-financial customers	...	...	...	...	8,858	306
Total options	297,890	136,178	15,461	146,251	157,504	1,789
Total contracts	674,312	277,955	27,473	368,884	694,822	2,792

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.41

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling
Positive market values					
Forwards and FX Swaps	393,159	374,930	124,294	109,051	35,197
with reporting dealers	217,712	211,133	61,876	71,309	17,193
with other financial institutions	116,255	111,712	37,122	27,750	10,822
with other non-financial customers	59,196	52,082	25,296	9,998	7,184
Currency swaps	200,432	171,081	89,837	51,079	18,013
with reporting dealers	61,879	55,807	26,529	17,243	4,894
with other financial institutions	76,998	66,498	35,465	19,972	7,292
with other non-financial customers	61,552	48,774	27,841	13,868	5,823
Options bought	53,467	46,371	21,439	16,949	3,599
with reporting dealers	24,261	20,794	9,963	9,625	1,695
with other financial institutions	14,615	13,125	5,398	4,433	922
with other non-financial customers	14,585	12,456	6,078	2,893	985
Other products	...	...	...	...	...
Total contract	647,056	592,387	235,569	177,080	56,810
Negative market values					
Forwards and FX Swaps	371,588	345,934	116,706	117,610	31,247
with reporting dealers	216,723	205,137	64,785	75,369	15,955
with other financial institutions	109,971	102,142	36,728	28,426	10,057
with other non-financial customers	44,897	38,658	15,198	13,812	5,236
Currency swaps	200,831	159,790	98,250	50,164	23,173
with reporting dealers	62,089	52,052	28,789	19,464	4,976
with other financial institutions	80,229	62,354	40,986	17,723	9,536
with other non-financial customers	58,511	45,387	28,477	12,980	8,659
Options sold	49,887	40,984	18,091	19,209	4,731
with reporting dealers	23,585	18,616	8,856	10,286	2,356
with other financial institutions	13,948	11,935	4,789	4,978	1,147
with other non-financial customers	12,357	10,432	4,442	3,942	1,226
Other products	...	...	...	...	...
Total contracts	622,308	546,709	233,041	186,982	59,152

For footnotes, see opposite page.

Table E.42

Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies	Category
Positive market values				
15,352	11,213	17,869	98,412	Forwards and FX swaps
7,675	4,216	7,991	54,031	with reporting dealers
5,397	4,166	5,064	30,477	with other financial institutions
2,278	2,829	4,812	13,913	with other non-financial customers
12,308	7,031	5,814	45,701	Currency swaps
2,461	1,626	1,168	14,030	with reporting dealers
4,095	2,056	1,436	17,182	with other financial institutions
5,752	3,349	3,207	14,490	with other non-financial customers
1,421	876	388	15,891	Options bought
472	381	181	5,411	with reporting dealers
577	222	70	4,483	with other financial institutions
370	273	139	5,976	with other non-financial customers
...	...	...	...	Other products
29,081	19,117	24,072	159,996	Total contracts
Negative market values				
15,166	13,427	14,554	88,532	Forwards and FX swaps
7,663	6,044	8,699	49,794	with reporting dealers
5,688	4,944	4,164	27,793	with other financial institutions
1,816	2,438	1,689	10,947	with other non-financial customers
9,888	7,652	6,448	46,297	Currency swaps
2,587	2,130	1,827	12,353	with reporting dealers
3,457	2,318	2,548	21,536	with other financial institutions
3,840	3,205	2,070	12,404	with other non-financial customers
1,611	1,271	353	13,524	Options sold
669	610	197	5,580	with reporting dealers
476	298	62	4,211	with other financial institutions
464	362	95	3,751	with other non-financial customers
...	...	...	...	Other products
26,666	22,349	21,355	148,362	Total contracts

¹ Counterparty breakdown partially estimated.

Table E.42 (contd.)

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling
Positive market values					
Forward rate agreements	22,770	9,140	3,623	1,326	1,333
with reporting dealers	11,989	4,034	2,598	1,074	814
with other financial institutions	9,387	4,310	895	239	468
with other non-financial customers	1,382	790	132	15	51
Swaps	1,125,782	374,959	336,565	247,337	68,564
with reporting dealers	705,278	225,329	213,049	170,907	38,385
with other financial institutions	330,058	109,416	104,311	61,739	23,439
with other non-financial customers	90,441	40,215	19,200	14,686	6,740
Options bought	127,540	66,112	37,436	9,791	7,846
with reporting dealers	73,307	34,269	24,491	6,633	4,724
with other financial institutions	40,419	23,876	9,989	2,265	2,157
with other non-financial customers	13,812	7,965	2,957	888	966
Other products	...	...	...	...	...
Total contracts	1,276,089	450,213	377,624	258,452	77,746
Negative market values					
Forward rate agreements	20,488	6,814	3,701	1,394	1,375
with reporting dealers	10,827	3,151	2,616	859	819
with other financial institutions	7,945	2,548	952	514	499
with other non-financial customers	1,704	1,113	131	19	56
Swaps	1,108,724	370,124	331,493	247,489	70,072
with reporting dealers	703,919	224,321	213,514	173,570	39,991
with other financial institutions	323,204	109,951	101,046	60,136	23,430
with other non-financial customers	81,596	35,848	16,926	13,779	6,652
Options sold	130,814	68,258	36,505	11,411	9,069
with reporting dealers	73,426	33,054	24,682	7,874	4,984
with other financial institutions	38,805	22,351	9,596	2,770	2,295
with other non-financial customers	18,585	12,848	2,224	769	1,788
Other products	...	...	...	...	...
Total contracts	1,260,027	445,194	371,695	260,294	80,523

For footnotes, see opposite page.

Table E.43

Gross market values of OTC single currency interest rate derivatives by instrument, counterparty and currency at end-June 2001¹

All currencies

In millions of US dollars

Swiss franc	Canadian dollar	Swedish krona	Other currencies	Category
Positive market values				
290	281	1,042	5,735	Forward rate agreements
191	212	467	2,599	with reporting dealers
93	51	484	2,847	with other financial institutions
5	20	90	279	with other non-financial customers
14,437	11,175	10,347	62,398	Swaps
10,231	5,917	6,599	34,861	with reporting dealers
3,270	3,200	3,112	21,571	with other financial institutions
932	2,057	637	5,974	with other non-financial customers
1,430	814	194	3,917	Options bought
843	463	109	1,775	with reporting dealers
478	206	64	1,384	with other financial institutions
107	145	22	762	with other non-financial customers
...	...	...	...	Other products
16,158	12,271	11,583	72,042	Total contracts
Negative market values				
285	252	1,086	5,581	Forward rate agreements
198	200	496	2,488	with reporting dealers
83	48	493	2,808	with other financial institutions
6	5	94	280	with other non-financial customers
14,457	10,780	10,510	53,799	Swaps
10,452	5,907	6,533	29,631	with reporting dealers
3,330	2,851	3,174	19,286	with other financial institutions
673	2,023	803	4,892	with other non-financial customers
402	733	198	4,238	Options sold
249	418	87	2,078	with reporting dealers
92	197	76	1,428	with other financial institutions
58	117	36	745	with other non-financial customers
...	...	...	...	Other products
15,144	11,767	11,794	63,616	Total contracts

¹ Counterparty breakdown partially estimated.

Gross market values of OTC equity-linked derivatives by instrument, counterparty and market risk factor at end-June 2001¹

All currencies

In millions of US dollars

Category	Total	US	Japanese	European ²	Latin American	Other Asian	Other
Positive market values							
Forwards and swaps	31,422	10,985	2,222	15,503	324	326	2,062
with reporting dealers	8,994	1,870	516	5,764	10	204	630
with other financial institutions	14,390	4,021	1,062	7,968	218	64	1,057
with other non-financial customers	8,041	5,096	643	1,773	95	56	378
Options bought	101,932	25,651	4,132	67,331	484	465	3,869
with reporting dealers	53,866	9,863	2,982	40,011	23	180	807
with other financial institutions	28,951	4,478	929	21,322	194	64	1,964
with other non-financial customers	19,110	11,309	225	5,998	270	220	1,088
Total contracts	133,351	36,637	6,355	82,832	809	791	5,927
Negative market values							
Forwards and swaps	32,424	10,566	1,305	16,944	733	247	2,629
with reporting dealers	10,073	1,923	186	6,978	3	176	807
with other financial institutions	14,503	4,427	563	7,393	573	27	1,520
with other non-financial customers	7,847	4,214	558	2,575	157	45	298
Options sold	125,036	24,536	4,805	89,696	461	1,064	4,474
with reporting dealers	62,656	8,744	2,918	49,320	16	412	1,246
with other financial institutions	39,505	5,476	1,284	30,397	185	77	2,086
with other non-financial customers	22,874	10,314	601	9,981	261	576	1,141
Total contracts	157,460	35,101	6,111	106,643	1,193	1,311	7,101

¹ Counterparty breakdown partly estimated. ² Excluding eastern Europe.

Table E.44

Gross market values of OTC commodity, credit and other derivatives by instrument and counterparty at end-June 2001

All currencies

In millions of US dollars

Category	Total commodities	Gold	Precious metals (other than gold)	Other commodities	Credit derivatives	Other derivatives
Positive market values						
Forwards and swaps	-	-	-	-	-	-
with reporting dealers	-	-	-	-	-	-
with other financial institutions	-	-	-	-	-	-
with non-financial customers	-	-	-	-	-	-
Options bought	-	-	-	-	-	-
with reporting dealers	-	-	-	-	-	-
with other financial institutions	-	-	-	-	-	-
with non-financial customers	-	-	-	-	-	-
Total contracts	52,538	14,520	1,373	36,645	13,220	142
Negative market values						
Forwards and swaps	-	-	-	-	-	-
with reporting dealers	-	-	-	-	-	-
with other financial institutions	-	-	-	-	-	-
with non-financial customers	-	-	-	-	-	-
Options sold	-	-	-	-	-	-
with reporting dealers	-	-	-	-	-	-
with other financial institutions	-	-	-	-	-	-
with non-financial customers	-	-	-	-	-	-
Total contracts	47,773	13,433	1,581	32,759	13,827	93

Table E.45

Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and remaining maturity at end-June 2001¹

In millions of US dollars

Category	Total	One year or less	Over one year and up to five years	Over five years
Forwards and swaps	17,577,229	13,449,868	2,971,772	1,159,279
with reporting dealers	6,309,129	5,080,879	875,302	341,554
with other financial institutions	7,521,730	5,753,891	1,279,674	480,728
with other non-financial customers	3,739,102	2,582,236	816,636	337,007
Options sold	1,791,414	1,599,597	175,305	16,514
with reporting dealers	904,337	833,999	64,810	5,516
with other financial institutions	547,268	478,482	61,201	7,596
with other non-financial customers	339,779	287,096	49,298	3,402
Options bought	1,987,822	1,732,832	214,444	40,509
with reporting dealers	1,005,855	918,142	72,917	14,791
with other financial institutions	604,039	500,020	84,359	19,669
with other non-financial customers	377,898	314,642	57,174	6,049
Total options	2,824,140	2,456,363	320,891	46,867
Other products	33,458	...	...	...
Total contracts	20,434,814	15,906,220	3,292,657	1,206,148
Total contracts including gold	20,712,767	...	...	...

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.46

Notional amounts outstanding of OTC single currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and remaining maturity at end-June 2001¹

In millions of US dollars

Category	Total	One year or less	Over one year and up to five years	Over five years
Forwards and swaps	64,898,140	26,434,747	24,000,815	14,464,578
with reporting dealers	31,733,256	13,665,698	11,711,474	6,353,239
with other financial institutions	27,261,049	10,898,639	9,879,146	6,482,510
with other non-financial customers	5,902,766	1,867,304	2,406,984	1,628,339
Options sold	8,068,552	1,964,608	4,085,768	2,018,167
with reporting dealers	4,532,972	1,102,628	2,284,092	1,146,229
with other financial institutions	2,483,346	599,973	1,266,878	616,477
with other non-financial customers	1,052,234	261,976	534,794	255,460
Options bought	7,430,378	1,897,346	3,684,937	1,847,961
with reporting dealers	4,637,932	1,170,542	2,319,261	1,147,999
with other financial institutions	2,215,969	588,180	1,100,408	527,377
with other non-financial customers	576,477	138,619	265,267	172,585
Total options	10,913,482	2,725,377	5,469,036	2,719,022
Other products	1,612	...	...	...
Total contracts	75,813,221	29,160,116	29,469,846	17,183,589

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.47

Notional amounts outstanding of OTC equity-linked derivatives net of inter-dealer double-counting by instrument, counterparty and remaining maturity at end-June 2001¹

In millions of US dollars

Category	Total	One year or less	Over one year and up to five years	Over five years
Forwards and swaps	372,946	195,443	136,075	41,425
with reporting dealers	92,431	46,242	39,354	6,841
with other financial institutions	204,523	109,139	67,743	27,641
with other non-financial customers	75,989	40,063	28,981	6,945
Options sold	1,047,870	371,803	621,108	54,931
with reporting dealers	589,702	220,443	352,482	16,689
with other financial institutions	327,384	95,677	202,139	29,538
with other non-financial customers	130,785	55,592	66,488	8,703
Options bought	1,192,603	349,026	536,725	306,868
with reporting dealers	558,373	201,783	337,551	19,051
with other financial institutions	517,770	96,240	140,487	281,042
with other non-financial customers	116,461	50,912	58,681	6,775
Total options	1,666,438	509,723	812,823	343,931
Total contracts	2,039,378	705,160	948,888	385,351

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.48

Amounts outstanding of OTC foreign exchange derivatives by instrument and counterparty at end-March 1995, end-June 1998 and end-June 2001¹

In millions of US dollars

Category	End-March 1995		End-June 1998		End-June 2001	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and FX swaps	8,698,630	622,315	14,658,411	583,845	13,274,760	548,026
with reporting dealers	5,250,943	370,250	6,260,449	277,623	5,087,097	217,712
with other financial institutions	1,659,129	90,305	5,725,105	204,162	5,656,643	226,226
with non-financial customers	1,788,559	161,755	2,672,859	102,060	2,524,012	104,093
Total including gold ²	8,786,948	630,724	14,808,116	...	13,416,536	...
Currency swaps	1,956,832	345,613	2,323,581	254,826	4,302,469	339,177
with reporting dealers	728,868	131,024	621,578	54,265	1,222,032	61,879
with other financial institutions	429,828	63,545	1,014,297	112,626	1,865,087	157,227
with non-financial customers	798,137	151,059	687,707	87,935	1,215,090	120,063
Options sold	1,779,035	52,092	3,537,378	98,620	1,791,414	49,887
with reporting dealers	1,098,912	30,683	1,899,657	52,030	904,337	23,585
with other financial institutions	387,967	13,308	745,644	26,119	547,268	13,948
with non-financial customers	292,156	8,102	892,076	20,470	339,779	12,357
Total including gold	1,813,580	52,954	3,598,557	...	1,872,462	...
Options bought	1,716,907	49,372	3,460,132	94,471	1,987,822	53,467
with reporting dealers	1,134,588	30,182	2,015,199	52,230	1,005,855	24,261
with other financial institutions	325,413	11,317	724,562	24,098	604,039	14,615
with non-financial customers	256,907	7,873	720,373	18,143	377,898	14,585
Total including gold	1,754,237	50,407	3,516,697	...	2,073,354	...
Total options	2,379,192	70,782	5,040,082	141,060	2,824,140	79,771
Other products ³	60,793	9,541	32,569	2,126	33,458	...
Total contracts	13,095,447	1,048,251	22,054,645	981,857	20,434,814	966,964
Total contracts including gold ²	13,242,703	1,058,301	22,282,366	990,678	20,712,767	991,425

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 double-counting estimated for gross market values in 1995. ³ Adjustment for inter-dealer double-counting based on the results of the 1995 triennial central bank survey.

Table E.49

Amounts outstanding of OTC single currency interest rate derivatives by instrument and counterparty at end-March 1995, end-June 1998 and end-June 2001¹

In millions of US dollars

Category	End-March 1995		End-June 1998		End-June 2001	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forward rate agreements	4,597,453	18,308	6,601,502	38,671	7,678,463	32,423
with reporting dealers	3,371,429	14,748	3,258,151	9,259	3,703,859	11,989
with other financial institutions	905,419	2,329	2,779,551	24,589	3,130,571	17,332
with non-financial customers	320,608	725	563,799	4,823	843,454	3,086
Swaps	18,283,350	562,633	32,942,460	1,186,407	57,219,677	1,530,587
with reporting dealers	10,803,557	308,404	15,581,491	485,611	28,029,397	705,278
with other financial institutions	4,358,662	136,725	13,247,744	514,224	24,130,478	653,262
with non-financial customers	3,121,130	115,598	4,113,224	186,572	5,059,312	172,037
Options sold	2,671,321	41,942	5,821,930	89,468	8,068,552	130,814
with reporting dealers	1,466,710	25,422	2,594,566	52,613	4,532,972	73,426
with other financial institutions	699,176	7,286	2,365,754	29,640	2,483,346	38,805
with non-financial customers	505,436	9,210	861,610	7,215	1,052,234	18,585
Options bought	2,342,703	43,642	5,319,784	89,279	7,430,378	127,540
with reporting dealers	1,465,776	26,302	2,633,263	46,612	4,637,932	73,307
with other financial institutions	525,960	8,305	2,058,274	29,417	2,215,969	40,419
with non-financial customers	350,967	9,013	628,249	13,251	576,477	13,812
Total options	3,547,781	60,162	8,527,800	126,134	10,913,482	184,927
Other products	216,437	7,257	52,279	2,343	1,612	...
Total contracts	26,645,022	648,360	48,124,040	1,353,556	75,813,221	1,747,935

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.50

Amounts outstanding of OTC equity-linked derivatives by instrument and counterparty at end-March 1995, end-June 1998 and end-June 2001¹

In millions of US dollars

Category	End-March 1995		End-June 1998		End-June 2001	
	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values	Notional amounts outstanding	Gross market values
Forwards and swaps	52,132	6,904	179,744	21,533	372,946	53,775
with reporting dealers	20,422	2,370	47,897	2,893	92,431	8,994
with other financial institutions ²	31,264	4,503	65,370	10,174	204,523	28,893
with non-financial customers	...	...	66,477	8,466	75,989	15,888
Options sold	370,228	34,810	707,108	126,395	1,047,870	125,036
with reporting dealers	176,468	21,570	252,947	51,718	589,702	62,656
with other financial institutions ²	191,285	12,859	362,061	44,945	327,384	39,505
with non-financial customers	...	...	92,099	29,732	130,785	22,874
Options bought	337,377	30,256	726,731	105,119	1,192,603	101,932
with reporting dealers	184,284	22,548	292,588	53,072	558,373	53,866
with other financial institutions ²	150,571	7,362	308,130	38,903	517,770	28,951
with non-financial customers	...	...	126,013	13,144	116,461	19,110
Total options	527,229	43,496	1,161,071	179,796	1,666,438	164,311
Total contracts	579,361	50,400	1,340,815	201,329	2,039,378	218,082

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 Differentiation between financial and non-financial customers was not made in the 1995 triennial survey. The numbers shown are the sum of both. Table E.51