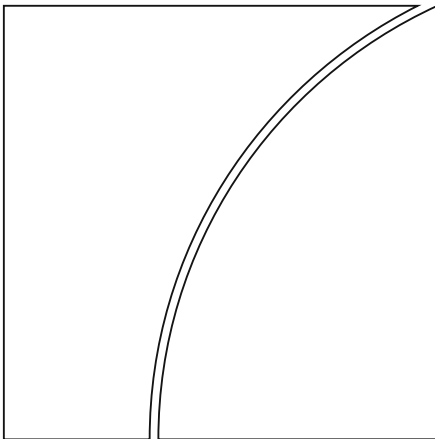




BANK FOR INTERNATIONAL SETTLEMENTS



# **Triennial Central Bank Survey**

## Global foreign exchange market turnover in 2013

Monetary and Economic Department

February 2014

Queries concerning this release may be directed to [statistics@bis.org](mailto:statistics@bis.org).

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# 2013 Triennial Central Bank Survey

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*Conventions used in the tables*

0 = Value close to zero.

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

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

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

# OTC foreign exchange turnover by instrument, currency, counterparty, execution method and country in April 2013

## Summary table

Daily averages, in millions of US dollars

	Total	Spot transactions	Outright forwards	Foreign exchange swaps	Currency swaps	FX options
<b>Total, "net-net" basis<sup>1</sup></b>	<b>5,344,549</b>	<b>2,046,158</b>	<b>679,994</b>	<b>2,227,629</b>	<b>54,023</b>	<b>336,745</b>
<i>by currency</i>						
USD	4,652,192	1,691,238	587,706	2,029,559	50,262	293,427
EUR	1,785,720	754,276	177,772	765,505	17,858	70,308
JPY	1,231,249	612,341	122,686	331,876	11,002	153,344
GBP	631,173	226,741	69,347	301,418	4,707	28,960
AUD	461,689	195,977	49,642	182,599	6,014	27,457
CHF	275,472	84,369	26,952	149,139	1,419	13,594
CAD	244,089	93,488	36,096	100,712	2,188	11,606
MXN	135,280	56,751	13,844	57,849	794	6,041
CNY	119,563	33,950	28,104	39,923	510	17,077
Other currencies	1,152,670	343,186	247,839	496,676	13,293	51,677
<i>by counterparty</i>						
with reporting dealers	2,069,970	675,359	181,549	1,085,194	29,026	98,841
local	743,073	262,395	45,736	381,880	14,755	38,308
cross-border	1,326,897	412,965	135,813	703,314	14,271	60,534
with other financial institutions	2,809,435	1,182,690	402,051	999,391	18,740	206,564
local	1,242,103	550,905	178,337	404,634	5,340	102,888
cross-border	1,567,332	631,785	223,715	594,757	13,400	103,676
non-reporting banks	1,277,822	505,547	95,361	606,211	7,983	62,721
institutional investors	602,689	267,054	126,783	152,914	1,665	54,273
hedge funds and PTFs	575,645	282,484	115,410	104,312	4,019	69,421
official sector	53,008	11,705	7,633	31,415	656	1,600
other	243,682	84,539	40,958	95,876	4,404	17,905
undistributed	56,588	31,362	15,906	8,662	14	645
with non-financial customers	465,143	188,109	96,394	143,044	6,257	31,339
local	273,570	120,263	57,896	77,489	4,008	13,914
cross-border	191,573	67,846	38,498	65,555	2,249	17,425
<i>Of which: prime brokered</i>	<i>873,857</i>	<i>598,252</i>	<i>115,917</i>	<i>104,185</i>	<i>955</i>	<i>54,548</i>
<i>Of which: retail-driven</i>	<i>185,306</i>	<i>78,406</i>	<i>24,086</i>	<i>74,153</i>	<i>1,393</i>	<i>7,268</i>
<i>by execution method</i>						
Voice direct	1,474,884	517,563	214,864	578,190	17,555	146,712
Voice indirect	785,134	187,665	91,434	435,357	8,607	62,070
Electronic direct	1,589,849	763,421	214,073	527,515	13,546	71,294
Electronic indirect	1,369,488	542,861	138,334	628,725	10,501	49,068
undistributed	125,192	34,648	21,289	57,841	3,813	7,601
<b>Total, "net-gross" basis<sup>2</sup></b>	<b>6,671,446</b>	<b>2,459,123</b>	<b>815,807</b>	<b>2,930,943</b>	<b>68,294</b>	<b>397,278</b>
<i>by country</i>						
United Kingdom	2,725,993	1,031,908	308,808	1,126,586	32,167	226,524
United States	1,262,799	619,357	227,281	340,991	4,397	70,773
Singapore	383,075	103,295	61,703	172,787	1,843	43,447
Japan	374,215	156,630	35,220	169,558	6,388	6,419
Hong Kong SAR	274,605	51,172	37,305	174,130	2,528	9,469
Switzerland	216,394	62,768	13,844	131,535	169	8,078
France	189,878	37,213	8,999	134,921	3,357	5,388
Australia	181,709	47,754	11,615	115,243	4,466	2,630
Netherlands	112,268	54,623	12,435	43,254	938	1,018
Other countries	950,511	294,403	98,598	521,938	12,041	23,531

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. See annex for abbreviations. <sup>2</sup> Adjusted for local inter-dealer double-counting. This corresponds to the total on a "net-net" basis plus local reporting dealers.

Table 1

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	TOT	Specified currency against all other currencies <sup>2</sup>					
		AUD	BRL	CAD	CHF	CNY	DKK
<b>Spot</b>	<b>2,046,158</b>	<b>195,977</b>	<b>11,398</b>	<b>93,488</b>	<b>84,369</b>	<b>33,950</b>	<b>7,301</b>
with reporting dealers	675,359	65,020	2,902	30,704	26,930	10,129	2,724
local	262,395	23,786	1,350	10,861	9,932	6,170	457
cross-border	412,965	41,234	1,553	19,843	16,998	3,959	2,268
with other financial institutions	1,182,690	116,081	5,633	55,683	52,196	13,896	3,612
local	550,905	56,215	2,369	27,927	25,107	10,087	2,222
cross-border	631,785	59,866	3,264	27,755	27,089	3,808	1,390
non-reporting banks	505,547	43,638	2,971	22,232	21,323	9,843	1,903
institutional investors	267,054	25,339	839	10,783	12,475	1,428	642
hedge funds and PTFs	282,484	34,618	668	17,817	13,761	477	815
official sector FI	11,705	783	199	500	484	56	37
others	84,539	8,543	752	3,483	3,887	261	129
undistributed	31,362	3,160	203	868	266	1,831	87
with non-financial customers	188,109	14,876	2,863	7,101	5,242	9,925	964
local	120,263	9,057	2,393	3,286	2,412	9,424	663
cross-border	67,846	5,819	470	3,815	2,830	500	301
<i>o/w prime brokered</i>	<i>598,252</i>	<i>66,188</i>	<i>1,489</i>	<i>29,278</i>	<i>27,878</i>	<i>2,080</i>	<i>594</i>
<i>o/w retail-driven</i>	<i>78,406</i>	<i>6,223</i>	<i>730</i>	<i>2,653</i>	<i>2,608</i>	<i>1,113</i>	<i>223</i>
<b>Outright forwards</b>	<b>679,994</b>	<b>49,642</b>	<b>33,681</b>	<b>36,096</b>	<b>26,952</b>	<b>28,104</b>	<b>5,178</b>
with reporting dealers	181,549	8,907	8,388	8,758	6,631	11,976	1,169
local	45,736	2,449	2,203	2,487	2,015	2,880	357
cross-border	135,813	6,458	6,186	6,271	4,616	9,096	813
with other financial institutions	402,051	33,267	21,526	21,705	17,454	10,085	2,869
local	178,337	15,475	4,830	10,189	8,752	2,476	2,209
cross-border	223,715	17,792	16,696	11,516	8,702	7,609	660
non-reporting banks	95,361	5,048	7,995	4,087	2,958	5,165	852
institutional investors	126,783	8,965	2,621	7,701	7,582	1,621	791
hedge funds and PTFs	115,410	12,928	6,068	7,838	5,217	1,238	982
official sector FI	7,633	361	310	510	231	119	31
others	40,958	4,742	4,321	1,432	1,380	573	121
undistributed	15,906	1,223	211	137	86	1,370	93
with non-financial customers	96,394	7,468	3,766	5,634	2,866	6,043	1,140
local	57,896	4,268	2,510	2,840	1,618	3,501	710
cross-border	38,498	3,199	1,257	2,794	1,248	2,542	430
Up to 7 days	270,910	22,520	5,329	16,367	13,608	6,079	2,836
Over 7 days and up to 1 year	377,624	24,725	27,274	18,599	12,112	18,886	2,312
Over 1 year	31,459	2,396	1,078	1,130	1,232	3,139	30
<i>o/w prime brokered</i>	<i>115,917</i>	<i>13,271</i>	<i>7,615</i>	<i>6,304</i>	<i>5,494</i>	<i>2,659</i>	<i>112</i>
<i>o/w retail-driven</i>	<i>24,086</i>	<i>798</i>	<i>850</i>	<i>1,334</i>	<i>1,007</i>	<i>3,246</i>	<i>194</i>
<i>o/w non-deliverable forwards</i>	<i>126,563</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.1

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>							
EUR	GBP	HKD	HUF	INR	JPY	KRW	
<b>754,276</b>	<b>226,741</b>	<b>20,821</b>	<b>7,379</b>	<b>15,225</b>	<b>612,341</b>	<b>19,422</b>	<b>Spot</b>
246,409	68,919	8,194	2,165	6,878	194,155	11,875	with reporting dealers
85,247	26,316	2,868	893	4,964	69,068	10,018	local
161,161	42,603	5,327	1,272	1,915	125,087	1,857	cross-border
442,798	143,079	8,610	3,907	5,804	353,407	4,936	with other financial institutions
197,376	73,820	4,348	2,160	2,971	156,191	2,443	local
245,422	69,259	4,262	1,747	2,833	197,216	2,493	cross-border
199,837	54,995	3,992	1,925	3,426	136,922	2,338	non-reporting banks
93,924	34,553	1,684	755	1,701	107,978	1,470	institutional investors
102,404	39,146	586	846	207	77,119	356	hedge funds and PTFs
4,610	1,553	186	17	155	1,642	460	official sector FI
32,234	9,512	370	202	193	23,620	287	others
9,790	3,320	1,793	162	122	6,126	26	undistributed
65,070	14,743	4,017	1,307	2,542	64,779	2,610	with non-financial customers
34,666	7,386	2,409	1,101	2,247	50,509	2,354	local
30,403	7,357	1,608	206	295	14,271	257	cross-border
<i>227,387</i>	<i>67,302</i>	<i>1,689</i>	<i>1,468</i>	<i>903</i>	<i>207,915</i>	<i>702</i>	<i>o/w prime brokered</i>
<i>28,846</i>	<i>5,852</i>	<i>1,173</i>	<i>511</i>	<i>1,543</i>	<i>36,151</i>	<i>62</i>	<i>o/w retail-driven</i>
<b>177,772</b>	<b>69,347</b>	<b>7,468</b>	<b>3,490</b>	<b>24,395</b>	<b>122,686</b>	<b>23,862</b>	<b>Outright forwards</b>
43,884	15,653	1,625	653	9,863	25,208	12,995	with reporting dealers
9,786	4,181	552	314	3,621	6,102	2,194	local
34,098	11,472	1,073	339	6,242	19,106	10,801	cross-border
104,604	44,499	3,945	2,396	9,224	83,780	8,539	with other financial institutions
49,954	24,853	2,639	1,233	2,753	39,812	2,755	local
54,650	19,646	1,306	1,163	6,471	43,969	5,784	cross-border
21,284	7,542	989	589	4,079	14,568	3,527	non-reporting banks
34,629	15,720	912	521	2,221	40,220	2,354	institutional investors
31,299	14,655	349	890	1,734	16,766	1,482	hedge funds and PTFs
2,141	1,473	60	14	192	1,110	378	official sector FI
11,695	3,726	100	232	981	9,192	786	others
3,555	1,383	1,534	150	18	1,923	12	undistributed
29,284	9,195	1,898	441	5,308	13,698	2,328	with non-financial customers
17,290	5,291	389	211	3,278	9,798	1,388	local
11,994	3,904	1,509	230	2,030	3,900	939	cross-border
80,616	31,775	4,781	802	3,903	59,801	3,237	Up to 7 days
88,679	33,600	2,311	2,488	19,709	57,302	19,792	Over 7 days and up to 1 year
8,476	3,972	376	200	784	5,583	833	Over 1 year
<i>25,530</i>	<i>10,376</i>	<i>412</i>	<i>1,210</i>	<i>2,742</i>	<i>19,434</i>	<i>2,011</i>	<i>o/w prime brokered</i>
<i>5,563</i>	<i>1,298</i>	<i>183</i>	<i>197</i>	<i>906</i>	<i>3,064</i>	<i>311</i>	<i>o/w retail-driven</i>
<i>1,642</i>	...	...	...	...	<i>973</i>	...	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.2

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies <sup>2</sup>						
	MXN	NOK	NZD	PLN	RUB	SEK	SGD
<b>Spot</b>	<b>56,751</b>	<b>21,395</b>	<b>38,759</b>	<b>10,759</b>	<b>36,511</b>	<b>27,057</b>	<b>20,468</b>
with reporting dealers	20,225	7,410	13,092	3,468	11,364	9,017	8,783
local	11,451	2,472	4,871	1,195	7,713	2,760	2,608
cross-border	8,774	4,938	8,220	2,273	3,651	6,257	6,175
with other financial institutions	33,134	12,173	22,402	6,069	19,677	15,635	9,743
local	14,368	5,703	10,193	3,401	8,708	7,360	3,416
cross-border	18,765	6,469	12,208	2,668	10,968	8,275	6,327
non-reporting banks	13,817	5,748	8,349	3,214	13,162	7,154	4,179
institutional investors	5,176	2,085	5,217	980	1,784	3,155	2,644
hedge funds and PTFs	10,736	3,323	6,364	1,255	1,439	3,901	1,641
official sector FI	250	124	200	56	17	116	151
others	2,451	789	1,709	288	3,160	1,127	381
undistributed	704	103	564	276	114	182	748
with non-financial customers	3,392	1,812	3,265	1,222	5,470	2,405	1,942
local	2,443	979	2,020	943	2,088	1,230	1,159
cross-border	949	834	1,245	279	3,382	1,174	782
<i>o/w prime brokered</i>	<i>15,348</i>	<i>7,107</i>	<i>13,998</i>	<i>2,115</i>	<i>7,585</i>	<i>8,715</i>	<i>3,580</i>
<i>o/w retail-driven</i>	<i>1,677</i>	<i>503</i>	<i>1,076</i>	<i>166</i>	<i>230</i>	<i>564</i>	<i>540</i>
<b>Outright forwards</b>	<b>13,844</b>	<b>10,096</b>	<b>11,466</b>	<b>5,519</b>	<b>8,826</b>	<b>11,817</b>	<b>10,684</b>
with reporting dealers	2,307	3,079	1,936	1,033	2,287	2,750	3,574
local	785	597	512	410	647	486	819
cross-border	1,522	2,482	1,424	623	1,641	2,264	2,755
with other financial institutions	9,985	5,682	7,794	3,391	4,839	6,995	5,784
local	3,794	2,302	3,453	1,705	1,762	2,998	2,531
cross-border	6,191	3,380	4,341	1,686	3,077	3,997	3,252
non-reporting banks	3,027	1,348	1,579	686	1,693	1,639	1,689
institutional investors	2,319	1,484	2,160	974	1,391	2,202	1,852
hedge funds and PTFs	3,004	2,099	2,650	1,134	1,264	2,237	1,583
official sector FI	443	138	135	44	41	102	54
others	863	438	1,094	306	326	717	306
undistributed	328	176	175	247	125	99	300
with non-financial customers	1,552	1,335	1,736	1,095	1,700	2,072	1,327
local	1,019	784	933	720	1,033	1,285	799
cross-border	533	551	802	374	666	787	527
Up to 7 days	4,608	5,106	5,000	1,485	2,151	4,757	5,148
Over 7 days and up to 1 year	8,670	4,341	6,019	3,612	6,290	6,408	5,340
Over 1 year	565	649	446	422	385	652	196
<i>o/w prime brokered</i>	<i>4,127</i>	<i>1,824</i>	<i>3,365</i>	<i>1,365</i>	<i>1,410</i>	<i>2,193</i>	<i>2,102</i>
<i>o/w retail-driven</i>	<i>544</i>	<i>219</i>	<i>140</i>	<i>85</i>	<i>27</i>	<i>276</i>	<i>229</i>
<i>o/w non-deliverable forwards</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.3



# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>						
TRY	TWD	USD	ZAR	OTH <sup>3</sup>	RES <sup>4</sup>	
<b>15,737</b>	<b>5,662</b>	<b>1,691,238</b>	<b>19,394</b>	<b>39,683</b>	<b>26,216</b>	<b>Spot</b>
5,178	1,578	561,734	6,958	16,018	8,888	with reporting dealers
1,580	1,057	223,764	2,607	8,275	2,506	local
3,598	522	337,970	4,351	7,743	6,382	cross-border
9,638	2,182	986,369	10,750	14,613	13,356	with other financial institutions
4,477	1,142	464,276	4,237	7,369	3,924	local
5,161	1,040	522,092	6,513	7,244	9,432	cross-border
5,287	1,229	423,674	5,563	6,164	8,210	non-reporting banks
1,307	576	211,873	1,866	2,193	1,684	institutional investors
1,652	62	241,057	2,290	1,514	915	hedge funds and PTFs
86	221	9,248	88	1,812	359	official sector FI
604	84	70,631	673	2,032	1,676	others
701	9	29,886	270	899	514	undistributed
921	1,902	143,135	1,686	9,052	3,972	with non-financial customers
446	1,787	87,555	1,135	8,151	2,684	local
475	115	55,580	551	901	1,289	cross-border
3,012	160	487,476	6,280	2,984	3,270	<i>o/w prime brokered</i>
246	364	56,747	562	2,880	3,568	<i>o/w retail-driven</i>
<b>9,697</b>	<b>11,004</b>	<b>587,706</b>	<b>7,085</b>	<b>40,918</b>	<b>22,654</b>	<b>Outright forwards</b>
1,953	4,622	160,499	1,436	14,823	7,086	with reporting dealers
686	939	40,171	569	3,638	2,071	local
1,267	3,683	120,328	867	11,185	5,015	cross-border
6,782	4,877	347,917	4,315	18,724	13,125	with other financial institutions
3,214	1,389	149,032	1,567	7,441	7,555	local
3,568	3,488	198,885	2,748	11,283	5,571	cross-border
2,040	2,627	82,591	1,199	7,505	4,415	non-reporting banks
1,061	1,013	105,749	732	4,351	2,418	institutional investors
1,774	698	102,862	1,478	4,034	4,558	hedge funds and PTFs
28	219	6,535	50	404	144	official sector FI
576	293	34,501	717	1,922	578	others
1,303	27	15,678	139	507	1,013	undistributed
961	1,505	79,291	1,333	7,371	2,442	with non-financial customers
590	474	47,435	892	5,552	1,183	local
372	1,031	31,856	441	1,818	1,259	cross-border
3,783	1,971	233,424	2,601	9,894	10,239	Up to 7 days
5,095	8,742	326,775	3,946	29,958	12,260	Over 7 days and up to 1 year
819	291	27,507	537	1,065	154	Over 1 year
2,401	1,293	102,054	1,904	6,179	4,446	<i>o/w prime brokered</i>
150	829	19,190	245	3,711	3,576	<i>o/w retail-driven</i>
...	...	119,510	...	...	...	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. <sup>3</sup> Includes all participating countries' currencies other than the ones listed. <sup>4</sup> Difference between total and listed components.

Table 2.4

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	TOT	Specified currency against all other currencies <sup>2</sup>					
		AUD	BRL	CAD	CHF	CNY	DKK
<b>Foreign exchange swaps</b>	<b>2,227,629</b>	<b>182,599</b>	<b>814</b>	<b>100,712</b>	<b>149,139</b>	<b>39,923</b>	<b>29,095</b>
with reporting dealers	1,085,194	94,550	179	42,473	72,095	22,439	15,133
local	381,880	28,325	49	12,042	22,888	11,041	2,700
cross-border	703,314	66,224	130	30,431	49,207	11,398	12,433
with other financial institutions	999,391	76,593	474	49,221	68,879	15,225	11,983
local	404,634	27,965	129	17,910	22,374	8,783	5,070
cross-border	594,757	48,628	345	31,312	46,505	6,442	6,913
non-reporting banks	606,211	42,515	297	29,405	41,941	12,324	7,846
institutional investors	152,914	14,031	19	8,272	11,076	585	2,422
hedge funds and PTFs	104,312	7,054	128	5,781	6,711	544	558
official sector FI	31,415	3,439	10	1,225	2,298	128	112
others	95,876	8,664	18	4,123	6,018	866	896
undistributed	8,662	890	1	415	834	778	150
with non-financial customers	143,044	11,456	161	9,017	8,165	2,258	1,979
local	77,489	5,879	129	4,880	4,272	872	1,355
cross-border	65,555	5,577	32	4,137	3,893	1,386	624
Up to 7 days	1,561,688	139,510	20	68,340	104,495	25,540	20,967
Over 7 days and up to 1 year	578,512	37,645	740	27,903	40,119	11,771	7,578
Over 1 year	87,428	5,444	54	4,468	4,525	2,611	550
<i>o/w prime brokered</i>	<i>104,185</i>	<i>9,640</i>	<i>20</i>	<i>5,437</i>	<i>5,856</i>	<i>3,415</i>	<i>365</i>
<i>o/w retail-driven</i>	<i>74,153</i>	<i>4,303</i>	<i>23</i>	<i>4,962</i>	<i>7,520</i>	<i>1,151</i>	<i>867</i>
<b>Currency swaps</b>	<b>54,023</b>	<b>6,014</b>	<b>2,558</b>	<b>2,188</b>	<b>1,419</b>	<b>510</b>	<b>219</b>
with reporting dealers	29,026	3,012	21	1,148	722	278	42
local	14,755	1,069	12	314	400	119	28
cross-border	14,271	1,943	9	833	322	158	14
with other financial institutions	18,740	2,581	201	736	582	142	130
local	5,340	1,041	89	45	230	16	59
cross-border	13,400	1,540	112	691	353	126	71
non-reporting banks	7,983	1,086	102	612	334	87	63
institutional investors	1,665	290	17	37	45	29	35
hedge funds and PTFs	4,019	1,000	74	1	49	23	...
official sector FI	656	42	2	21	5	0	2
others	4,404	163	3	64	149	3	30
undistributed	14	0	4	...	...	...	...
with non-financial customers	6,257	421	2,335	304	115	90	47
local	4,008	60	2,316	296	45	41	14
cross-border	2,249	362	19	9	69	49	33
<i>o/w prime brokered</i>	<i>955</i>	<i>26</i>	<i>3</i>	<i>308</i>	<i>1</i>	<i>81</i>	<i>0</i>
<i>o/w retail-driven</i>	<i>1,393</i>	<i>56</i>	<i>20</i>	<i>34</i>	<i>100</i>	<i>6</i>	<i>0</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.5

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>							
EUR	GBP	HKD	HUF	INR	JPY	KRW	
<b>765,505</b>	<b>301,418</b>	<b>47,434</b>	<b>10,257</b>	<b>10,082</b>	<b>331,876</b>	<b>15,962</b>	<b>Foreign exchange swaps</b>
346,409	139,001	28,952	4,782	7,592	166,553	12,967	with reporting dealers
107,463	58,384	9,660	1,735	7,091	53,143	12,515	local
238,946	80,617	19,292	3,047	502	113,410	451	cross-border
357,034	139,760	15,259	4,908	2,382	139,032	2,262	with other financial institutions
150,913	72,039	4,804	1,439	2,202	55,866	2,022	local
206,121	67,721	10,455	3,469	180	83,166	240	cross-border
211,456	85,559	11,744	2,697	2,056	75,048	502	non-reporting banks
61,021	22,652	1,802	739	79	27,195	952	institutional investors
32,906	11,538	421	974	32	16,415	42	hedge funds and PTFs
11,354	3,997	330	34	27	4,964	705	official sector FI
38,601	14,922	833	446	176	14,498	59	others
1,696	1,092	130	17	12	911	1	undistributed
62,062	22,657	3,222	567	107	26,292	733	with non-financial customers
30,267	12,045	1,601	221	81	19,862	729	local
31,796	10,613	1,621	346	27	6,429	5	cross-border
<i>497,682</i>	<i>201,599</i>	<i>35,213</i>	<i>7,273</i>	<i>6,311</i>	<i>228,948</i>	<i>6,893</i>	<i>Up to 7 days</i>
<i>233,671</i>	<i>83,759</i>	<i>11,524</i>	<i>2,742</i>	<i>3,455</i>	<i>88,746</i>	<i>8,813</i>	<i>Over 7 days and up to 1 year</i>
<i>34,152</i>	<i>16,060</i>	<i>697</i>	<i>242</i>	<i>316</i>	<i>14,182</i>	<i>257</i>	<i>Over 1 year</i>
26,464	10,080	4,564	728	912	22,633	70	<i>o/w prime brokered</i>
29,226	7,546	1,173	773	210	13,362	7	<i>o/w retail-driven</i>
<b>17,858</b>	<b>4,707</b>	<b>445</b>	<b>258</b>	<b>308</b>	<b>11,002</b>	<b>696</b>	<b>Currency swaps</b>
10,291	2,829	135	140	252	6,260	488	with reporting dealers
5,970	1,969	48	86	242	2,327	397	local
4,321	860	87	54	10	3,933	92	cross-border
6,241	1,606	103	115	35	4,158	166	with other financial institutions
1,663	465	14	53	16	714	98	local
4,577	1,142	89	62	19	3,444	68	cross-border
2,215	714	70	50	16	1,439	55	non-reporting banks
393	176	32	2	2	201	86	institutional investors
1,116	154	...	21	...	1,210	...	hedge funds and PTFs
451	129	1	10	0	5	13	official sector FI
2,064	433	0	32	17	1,303	12	others
1	...	...	...	...	...	...	undistributed
1,327	272	207	3	20	583	42	with non-financial customers
492	114	186	1	18	334	10	local
834	158	21	2	2	250	32	cross-border
249	15	4	0	4	32	9	<i>o/w prime brokered</i>
748	53	1	25	3	72	0	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.6

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies <sup>2</sup>						
	MXN	NOK	NZD	PLN	RUB	SEK	SGD
<b>Foreign exchange swaps</b>	<b>57,849</b>	<b>42,913</b>	<b>49,828</b>	<b>19,726</b>	<b>36,850</b>	<b>52,677</b>	<b>39,955</b>
with reporting dealers	19,375	20,408	26,212	9,432	18,641	24,727	22,679
local	6,710	4,459	8,311	3,163	9,396	6,455	9,804
cross-border	12,665	15,949	17,901	6,269	9,246	18,272	12,875
with other financial institutions	35,702	19,090	20,759	8,740	16,177	21,690	14,584
local	8,936	9,109	6,177	3,451	7,497	8,005	5,013
cross-border	26,766	9,981	14,583	5,289	8,680	13,685	9,571
non-reporting banks	26,047	11,495	13,284	5,238	10,928	13,385	8,678
institutional investors	3,034	3,696	2,628	1,057	1,064	3,195	1,739
hedge funds and PTFs	3,657	1,716	1,407	1,465	3,100	2,811	1,145
official sector FI	400	524	897	94	22	392	1,496
others	2,475	1,547	1,654	834	1,051	1,772	1,417
undistributed	89	112	889	51	11	134	109
with non-financial customers	2,772	3,415	2,856	1,554	2,032	6,259	2,692
local	2,081	1,564	1,624	636	524	3,709	1,567
cross-border	691	1,851	1,232	918	1,508	2,550	1,124
Up to 7 days	44,886	31,013	41,537	13,947	31,619	36,341	29,808
Over 7 days and up to 1 year	11,026	10,655	7,411	4,971	4,690	14,463	9,636
Over 1 year	1,937	1,246	879	809	541	1,872	511
<i>o/w prime brokered</i>	<i>5,653</i>	<i>1,301</i>	<i>2,291</i>	<i>710</i>	<i>267</i>	<i>1,801</i>	<i>3,384</i>
<i>o/w retail-driven</i>	<i>2,620</i>	<i>932</i>	<i>1,041</i>	<i>470</i>	<i>102</i>	<i>992</i>	<i>775</i>
<b>Currency swaps</b>	<b>794</b>	<b>349</b>	<b>1,504</b>	<b>355</b>	<b>493</b>	<b>840</b>	<b>623</b>
with reporting dealers	344	139	946	272	242	366	196
local	112	45	359	103	156	158	84
cross-border	232	95	587	170	85	207	113
with other financial institutions	363	147	463	58	158	440	301
local	178	82	75	12	65	113	25
cross-border	185	65	388	47	94	326	276
non-reporting banks	159	57	267	39	113	230	84
institutional investors	59	73	27	6	22	15	101
hedge funds and PTFs	12	...	84	...	12	162	98
official sector FI	62	1	16	10	0	4	0
others	71	16	61	3	10	28	18
undistributed	...	...	8	...	...	...	...
with non-financial customers	88	63	95	24	93	35	126
local	42	10	57	6	46	31	32
cross-border	46	53	38	19	47	4	94
<i>o/w prime brokered</i>	<i>90</i>	<i>0</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>37</i>
<i>o/w retail-driven</i>	<i>36</i>	<i>4</i>	<i>238</i>	<i>11</i>	<i>5</i>	<i>11</i>	<i>5</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.7

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>						
TRY	TWD	USD	ZAR	OTH <sup>3</sup>	RES <sup>4</sup>	
<b>39,002</b>	<b>6,325</b>	<b>2,029,559</b>	<b>31,145</b>	<b>38,745</b>	<b>25,870</b>	<b>Foreign exchange swaps</b>
13,665	1,332	1,015,647	14,698	19,763	10,681	with reporting dealers
4,445	1,209	365,538	4,460	10,234	2,538	local
9,220	123	650,109	10,237	9,529	8,143	cross-border
24,282	4,329	908,156	14,660	15,036	12,564	with other financial institutions
10,045	4,129	361,576	4,916	6,428	2,473	local
14,237	200	546,580	9,744	8,609	10,092	cross-border
13,059	1,015	562,187	7,819	8,517	7,378	non-reporting banks
2,597	1,010	129,423	2,568	1,504	1,466	institutional investors
6,336	83	97,389	2,546	1,698	2,169	hedge funds and PTFs
70	2,174	27,210	116	763	45	official sector FI
2,159	46	83,710	1,581	1,980	1,406	others
61	1	8,237	31	574	99	undistributed
1,054	664	105,756	1,787	3,945	2,624	with non-financial customers
400	621	55,352	1,284	2,260	1,164	local
654	43	50,404	503	1,685	1,460	cross-border
<i>28,852</i>	<i>1,690</i>	<i>1,446,589</i>	<i>25,134</i>	<i>25,533</i>	<i>23,634</i>	<i>Up to 7 days</i>
<i>9,220</i>	<i>4,501</i>	<i>502,623</i>	<i>5,427</i>	<i>12,335</i>	<i>1,601</i>	<i>Over 7 days and up to 1 year</i>
<i>930</i>	<i>134</i>	<i>80,347</i>	<i>584</i>	<i>876</i>	<i>634</i>	<i>Over 1 year</i>
2,007	14	93,063	4,325	1,588	1,783	<i>o/w prime brokered</i>
318	18	61,864	626	1,872	5,553	<i>o/w retail-driven</i>
<b>2,558</b>	<b>251</b>	<b>50,262</b>	<b>208</b>	<b>883</b>	<b>744</b>	<b>Currency swaps</b>
1,401	37	27,413	115	504	458	with reporting dealers
721	33	14,149	42	304	263	local
680	4	13,265	73	200	196	cross-border
799	190	17,274	64	215	210	with other financial institutions
455	188	4,747	11	90	136	local
344	2	12,527	54	125	74	cross-border
632	190	7,009	36	141	164	non-reporting banks
61	0	1,585	9	25	0	institutional investors
19	...	3,996	...	7	0	hedge funds and PTFs
2	0	507	11	0	16	official sector FI
87	0	4,164	8	41	29	others
...	...	13	...	1	0	undistributed
358	24	5,575	29	163	76	with non-financial customers
8	23	3,623	21	136	54	local
350	1	1,951	8	27	23	cross-border
<i>89</i>	<i>0</i>	<i>950</i>	<i>3</i>	<i>2</i>	<i>4</i>	<i>o/w prime brokered</i>
<i>13</i>	<i>1</i>	<i>1,292</i>	<i>2</i>	<i>48</i>	<i>4</i>	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. <sup>3</sup> Includes all participating countries' currencies other than the ones listed. <sup>4</sup> Difference between total and listed components.

Table 2.8

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	TOT	Specified currency against all other currencies <sup>2</sup>					
		AUD	BRL	CAD	CHF	CNY	DKK
<b>Options sold</b>	<b>217,324</b>	<b>18,881</b>	<b>7,569</b>	<b>7,650</b>	<b>8,466</b>	<b>11,166</b>	<b>28</b>
with reporting dealers	98,473	10,105	3,673	3,794	3,229	4,869	7
local	38,157	3,092	1,007	1,128	1,158	1,234	1
cross-border	60,316	7,014	2,666	2,666	2,072	3,635	6
with other financial institutions	104,954	7,347	3,822	3,300	4,831	4,180	6
local	52,947	2,972	1,124	1,840	2,813	1,311	2
cross-border	52,007	4,375	2,698	1,460	2,019	2,868	4
non-reporting banks	31,251	2,565	644	1,213	1,222	1,461	0
institutional investors	32,078	2,344	1,020	800	1,503	1,036	1
hedge funds and PTFs	36,782	2,029	1,929	1,134	1,900	1,518	2
official sector FI	741	64	48	24	25	0	0
others	3,743	320	129	108	182	164	3
undistributed	359	24	53	21	...	...	...
with non-financial customers	13,897	1,429	74	557	405	2,118	14
local	5,586	516	27	222	160	374	14
cross-border	8,311	913	46	335	245	1,744	0
<i>o/w prime brokered</i>	<i>27,356</i>	<i>1,731</i>	<i>1,106</i>	<i>612</i>	<i>965</i>	<i>901</i>	<i>4</i>
<i>o/w retail-driven</i>	<i>2,795</i>	<i>584</i>	<i>7</i>	<i>86</i>	<i>122</i>	<i>43</i>	<i>3</i>
<b>Options bought</b>	<b>218,262</b>	<b>18,600</b>	<b>7,154</b>	<b>7,620</b>	<b>8,348</b>	<b>10,656</b>	<b>53</b>
with reporting dealers	99,210	9,942	4,339	3,535	3,209	4,622	11
local	38,459	3,299	1,048	1,060	1,212	1,464	1
cross-border	60,751	6,643	3,291	2,475	1,997	3,158	10
with other financial institutions	101,610	6,025	2,725	3,137	4,563	3,775	5
local	49,940	2,433	985	1,637	2,457	1,255	2
cross-border	51,670	3,591	1,740	1,500	2,105	2,519	3
non-reporting banks	31,469	2,264	572	1,153	1,304	1,180	3
institutional investors	22,195	991	250	416	850	850	1
hedge funds and PTFs	32,639	1,423	942	1,024	1,572	1,103	1
official sector FI	859	56	56	36	7	0	0
others	14,162	1,271	874	501	829	642	0
undistributed	285	19	30	7	...	...	...
with non-financial customers	17,443	2,633	90	947	576	2,260	37
local	8,328	1,343	23	415	254	698	32
cross-border	9,114	1,290	67	532	322	1,562	5
<i>o/w prime brokered</i>	<i>27,192</i>	<i>1,499</i>	<i>1,055</i>	<i>600</i>	<i>932</i>	<i>973</i>	<i>4</i>
<i>o/w retail-driven</i>	<i>4,473</i>	<i>1,188</i>	<i>7</i>	<i>219</i>	<i>211</i>	<i>223</i>	<i>7</i>
<b>Total options</b>	<b>336,745</b>	<b>27,457</b>	<b>10,716</b>	<b>11,606</b>	<b>13,594</b>	<b>17,077</b>	<b>72</b>
<b>Other products</b>	<b>0</b>	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>5,344,549</b>	<b>461,689</b>	<b>59,167</b>	<b>244,089</b>	<b>275,472</b>	<b>119,563</b>	<b>41,865</b>
<i>o/w prime brokered</i>	<i>873,857</i>	<i>92,355</i>	<i>11,287</i>	<i>42,540</i>	<i>41,127</i>	<i>10,109</i>	<i>1,079</i>
<i>o/w retail-driven</i>	<i>185,306</i>	<i>13,151</i>	<i>1,637</i>	<i>9,288</i>	<i>11,568</i>	<i>5,782</i>	<i>1,295</i>
<i>o/w related party trade</i>	<i>817,995</i>	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.9

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>							
EUR	GBP	HKD	HUF	INR	JPY	KRW	
<b>47,530</b>	<b>19,448</b>	<b>750</b>	<b>647</b>	<b>1,810</b>	<b>94,386</b>	<b>2,856</b>	<b>Options sold</b>
23,400	9,819	417	360	945	39,026	1,305	with reporting dealers
9,572	4,632	117	164	414	16,296	304	local
13,829	5,187	300	196	531	22,730	1,001	cross-border
20,920	8,588	268	278	589	51,067	1,024	with other financial institutions
11,203	4,833	62	160	197	27,175	388	local
9,717	3,756	206	118	392	23,891	636	cross-border
7,423	3,024	120	83	213	13,658	329	non-reporting banks
6,048	1,988	56	96	196	17,086	473	institutional investors
6,192	2,972	66	88	160	18,670	148	hedge funds and PTFs
155	64	0	5	8	332	1	official sector FI
1,056	498	25	6	12	1,172	72	others
47	42	...	...	0	149	...	undistributed
3,210	1,041	65	9	276	4,293	527	with non-financial customers
1,447	571	19	4	166	1,423	433	local
1,763	470	46	5	111	2,869	94	cross-border
<i>4,052</i>	<i>1,567</i>	<i>16</i>	<i>63</i>	<i>250</i>	<i>15,289</i>	<i>348</i>	<i>o/w prime brokered</i>
<i>846</i>	<i>382</i>	<i>22</i>	<i>20</i>	<i>23</i>	<i>911</i>	<i>23</i>	<i>o/w retail-driven</i>
<b>45,920</b>	<b>19,575</b>	<b>1,111</b>	<b>682</b>	<b>1,886</b>	<b>98,506</b>	<b>2,720</b>	<b>Options bought</b>
22,885	10,308	767	373	939	40,068	1,339	with reporting dealers
9,150	4,805	121	163	437	16,342	340	local
13,735	5,502	646	210	501	23,726	999	cross-border
19,126	7,965	166	277	539	53,689	972	with other financial institutions
9,559	4,357	60	155	178	27,854	373	local
9,567	3,608	105	122	361	25,835	599	cross-border
6,892	3,057	129	102	210	14,981	328	non-reporting banks
3,221	1,087	23	33	58	14,738	212	institutional investors
5,517	2,396	9	78	140	18,319	141	hedge funds and PTFs
289	61	0	3	5	307	2	official sector FI
3,140	1,344	5	62	124	5,227	289	others
68	21	...	...	...	117	...	undistributed
3,909	1,302	179	32	408	4,749	409	with non-financial customers
1,940	789	132	13	239	1,901	313	local
1,969	513	47	18	169	2,847	96	cross-border
<i>3,907</i>	<i>1,467</i>	<i>17</i>	<i>87</i>	<i>268</i>	<i>15,472</i>	<i>338</i>	<i>o/w prime brokered</i>
<i>1,099</i>	<i>539</i>	<i>112</i>	<i>25</i>	<i>16</i>	<i>1,116</i>	<i>37</i>	<i>o/w retail-driven</i>
<b>70,308</b>	<b>28,960</b>	<b>1,269</b>	<b>963</b>	<b>2,754</b>	<b>153,344</b>	<b>4,254</b>	<b>Total options</b>
...	...	...	...	...	...	...	<b>Other products</b>
<b>1,785,720</b>	<b>631,173</b>	<b>77,437</b>	<b>22,346</b>	<b>52,763</b>	<b>1,231,249</b>	<b>64,195</b>	<b>Total FX contracts</b>
<i>287,590</i>	<i>90,808</i>	<i>6,703</i>	<i>3,556</i>	<i>5,079</i>	<i>280,775</i>	<i>3,477</i>	<i>o/w prime brokered</i>
<i>66,328</i>	<i>15,669</i>	<i>2,663</i>	<i>1,552</i>	<i>2,701</i>	<i>54,677</i>	<i>441</i>	<i>o/w retail-driven</i>
...	...	...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.10

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

	Specified currency against all other currencies <sup>2</sup>						
	MXN	NOK	NZD	PLN	RUB	SEK	SGD
<b>Options sold</b>	<b>3,988</b>	<b>1,288</b>	<b>2,084</b>	<b>741</b>	<b>1,961</b>	<b>1,263</b>	<b>1,999</b>
with reporting dealers	2,073	520	1,093	416	1,102	598	1,155
local	630	162	319	156	440	115	352
cross-border	1,444	358	774	259	661	483	803
with other financial institutions	1,838	664	816	286	664	502	707
local	989	293	297	135	258	203	219
cross-border	848	371	519	152	406	300	488
non-reporting banks	457	228	236	115	377	210	258
institutional investors	296	247	334	48	87	101	153
hedge funds and PTFs	911	167	183	85	178	165	263
official sector FI	41	3	5	19	5	4	0
others	110	18	59	19	16	23	32
undistributed	22	...	0	0	0	0	0
with non-financial customers	77	104	175	39	195	163	137
local	37	63	50	26	78	109	27
cross-border	40	41	125	14	118	54	110
<i>o/w prime brokered</i>	<i>580</i>	<i>141</i>	<i>309</i>	<i>35</i>	<i>42</i>	<i>96</i>	<i>163</i>
<i>o/w retail-driven</i>	<i>35</i>	<i>12</i>	<i>56</i>	<i>7</i>	<i>4</i>	<i>18</i>	<i>28</i>
<b>Options bought</b>	<b>4,232</b>	<b>1,221</b>	<b>2,183</b>	<b>743</b>	<b>1,811</b>	<b>1,212</b>	<b>1,966</b>
with reporting dealers	2,285	558	1,082	443	1,055	594	1,022
local	617	176	348	169	429	152	331
cross-border	1,668	382	734	274	626	443	690
with other financial institutions	1,779	487	820	240	560	399	673
local	1,029	141	274	94	175	119	224
cross-border	750	346	546	146	385	280	448
non-reporting banks	445	171	211	93	307	196	246
institutional investors	214	128	159	37	76	87	38
hedge funds and PTFs	881	109	170	77	131	66	244
official sector FI	36	11	2	6	2	0	0
others	179	68	278	27	45	49	144
undistributed	24	...	...	0	...	...	...
with non-financial customers	168	175	281	60	196	220	271
local	106	102	117	41	118	155	145
For footnotes, see facing page	62	73	163	19	78	65	126
<i>o/w prime brokered</i>	<i>585</i>	<i>131</i>	<i>279</i>	<i>31</i>	<i>38</i>	<i>76</i>	<i>207</i>
<i>o/w retail-driven</i>	<i>51</i>	<i>34</i>	<i>113</i>	<i>19</i>	<i>20</i>	<i>25</i>	<i>91</i>
<b>Total options</b>	<b>6,041</b>	<b>1,970</b>	<b>3,179</b>	<b>1,055</b>	<b>2,694</b>	<b>1,880</b>	<b>2,876</b>
<b>Other products</b>	...	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>135,280</b>	<b>76,722</b>	<b>104,735</b>	<b>37,414</b>	<b>85,374</b>	<b>94,270</b>	<b>74,607</b>
<i>o/w prime brokered</i>	<i>26,384</i>	<i>10,504</i>	<i>20,244</i>	<i>4,255</i>	<i>9,341</i>	<i>12,882</i>	<i>9,473</i>
<i>o/w retail-driven</i>	<i>4,964</i>	<i>1,703</i>	<i>2,664</i>	<i>758</i>	<i>386</i>	<i>1,886</i>	<i>1,668</i>
<i>o/w related party trade</i>	...	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 2.11



# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Total reported transactions in all currencies

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>						
TRY	TWD	USD	ZAR	OTH <sup>3</sup>	RES <sup>4</sup>	
<b>2,146</b>	<b>785</b>	<b>188,885</b>	<b>1,098</b>	<b>2,602</b>	<b>4,623</b>	<b>Options sold</b>
1,261	295	84,149	591	1,150	1,592	with reporting dealers
398	95	33,178	247	381	722	local
864	201	50,971	344	769	871	cross-border
739	435	92,813	362	1,068	2,795	with other financial institutions
288	118	46,703	148	369	1,796	local
451	317	46,110	215	699	999	cross-border
325	106	27,143	159	450	484	non-reporting banks
126	124	28,146	69	290	1,488	institutional investors
230	178	33,467	86	261	581	hedge funds and PTFs
15	0	633	3	7	19	official sector FI
43	23	3,067	46	60	222	others
0	2	357	0	0	0	undistributed
145	55	11,923	144	383	235	with non-financial customers
121	28	4,789	114	286	68	local
24	27	7,134	31	97	168	cross-border
172	149	24,058	84	225	1,752	<i>o/w prime brokered</i>
32	4	2,176	27	36	82	<i>o/w retail-driven</i>
<b>2,403</b>	<b>696</b>	<b>188,433</b>	<b>1,221</b>	<b>2,488</b>	<b>5,086</b>	<b>Options bought</b>
1,231	281	83,634	554	1,100	2,246	with reporting dealers
481	92	33,080	224	334	1,041	local
750	189	50,554	329	766	1,205	cross-border
801	322	90,354	468	948	2,405	with other financial institutions
367	82	44,767	195	305	802	local
434	240	45,588	273	643	1,603	cross-border
398	85	27,556	156	458	441	non-reporting banks
99	19	20,357	60	122	260	institutional investors
221	99	29,843	176	176	418	hedge funds and PTFs
5	0	781	6	10	39	official sector FI
77	119	11,534	70	181	1,247	others
...	...	283	0	1	0	undistributed
371	93	14,444	199	441	435	with non-financial customers
325	56	6,689	129	324	258	local
46	37	7,755	70	117	177	cross-border
190	147	24,005	84	304	1,690	<i>o/w prime brokered</i>
161	10	3,361	66	93	103	<i>o/w retail-driven</i>
<b>3,302</b>	<b>1,193</b>	<b>293,427</b>	<b>1,747</b>	<b>3,965</b>	<b>7,790</b>	<b>Total options</b>
...	...	...	...	...	...	<b>Other products</b>
<b>70,296</b>	<b>24,434</b>	<b>4,652,192</b>	<b>59,579</b>	<b>124,193</b>	<b>83,273</b>	<b>Total FX contracts</b>
7,871	1,763	731,605	12,680	11,281	12,945	<i>o/w prime brokered</i>
920	1,226	144,630	1,528	8,642	12,886	<i>o/w retail-driven</i>
...	...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover. <sup>3</sup> Includes all participating countries' currencies other than the ones listed. <sup>4</sup> Difference between total and listed components.

Table 2.12

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## US dollar against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	CHF	CNY
<b>Spot</b>	<b>1,691,238</b>	<b>143,003</b>	<b>10,308</b>	<b>74,946</b>	<b>45,641</b>	<b>30,486</b>
with reporting dealers	561,734	47,584	2,713	24,560	13,962	9,287
local	223,764	17,963	1,319	9,280	5,503	5,519
cross-border	337,970	29,621	1,395	15,280	8,458	3,769
with other financial institutions	986,369	87,022	5,300	45,975	29,317	12,908
local	464,276	43,703	2,264	23,762	15,454	9,231
cross-border	522,092	43,319	3,036	22,213	13,863	3,677
non-reporting banks	423,674	32,834	2,784	19,080	11,109	8,972
institutional investors	211,873	15,037	796	7,010	7,278	1,369
hedge funds and PTFs	241,057	29,004	610	15,800	8,535	475
official sector FI	9,248	552	183	396	300	50
others	70,631	6,798	729	2,970	1,919	219
undistributed	29,886	2,796	199	718	176	1,823
with non-financial customers	143,135	8,398	2,294	4,412	2,363	8,291
local	87,555	4,150	2,073	2,424	832	7,859
cross-border	55,580	4,248	221	1,988	1,530	431
<i>o/w prime brokered</i>	<i>487,476</i>	<i>47,735</i>	<i>1,428</i>	<i>23,667</i>	<i>16,047</i>	<i>2,073</i>
<i>o/w retail-driven</i>	<i>56,747</i>	<i>2,612</i>	<i>674</i>	<i>2,016</i>	<i>1,020</i>	<i>854</i>
<b>Outright forwards</b>	<b>587,706</b>	<b>38,010</b>	<b>25,511</b>	<b>26,249</b>	<b>16,269</b>	<b>26,626</b>
with reporting dealers	160,499	6,573	7,832	5,989	3,564	11,676
local	40,171	1,784	2,036	1,892	1,156	2,788
cross-border	120,328	4,789	5,795	4,096	2,408	8,888
with other financial institutions	347,917	25,851	14,760	16,439	11,179	9,391
local	149,032	11,094	4,272	7,901	6,120	2,339
cross-border	198,885	14,756	10,488	8,538	5,060	7,052
non-reporting banks	82,591	3,684	7,109	2,681	1,402	4,959
institutional investors	105,749	6,115	2,311	5,302	5,564	1,495
hedge funds and PTFs	102,862	10,908	3,083	6,867	3,277	961
official sector FI	6,535	270	294	431	141	103
others	34,501	3,670	1,755	1,031	725	504
undistributed	15,678	1,203	209	128	70	1,369
with non-financial customers	79,291	5,587	2,919	3,822	1,525	5,559
local	47,435	3,099	1,924	2,383	889	3,169
cross-border	31,856	2,487	995	1,439	637	2,390
Up to 7 days	233,424	17,660	3,501	11,743	8,730	5,862
Over 7 days and up to 1 year	326,775	18,394	21,048	13,686	6,871	17,735
Over 1 year	27,507	1,956	962	820	668	3,029
<i>o/w prime brokered</i>	<i>102,054</i>	<i>11,326</i>	<i>1,998</i>	<i>5,400</i>	<i>3,263</i>	<i>2,270</i>
<i>o/w retail-driven</i>	<i>19,190</i>	<i>502</i>	<i>443</i>	<i>1,072</i>	<i>586</i>	<i>3,188</i>
<i>o/w non-deliverable forwards</i>	<i>119,510</i>	<i>...</i>	<i>15,894</i>	<i>...</i>	<i>...</i>	<i>17,083</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.1

**OTC foreign exchange turnover by instrument, counterparty and currency in  
April 2013, "net-net" basis<sup>1</sup>**

**US dollar against:**

Daily averages, in millions of US dollars

EUR	GBP	HKD	INR	JPY	KRW	
<b>494,041</b>	<b>156,810</b>	<b>16,597</b>	<b>14,773</b>	<b>447,859</b>	<b>18,322</b>	<b>Spot</b>
163,278	45,902	6,786	6,780	146,159	11,414	with reporting dealers
56,590	17,924	2,583	4,907	52,984	9,876	local
106,688	27,978	4,203	1,874	93,175	1,538	cross-border
294,475	102,983	7,419	5,715	261,487	4,728	with other financial institutions
131,276	53,767	3,915	2,952	119,285	2,376	local
163,199	49,215	3,504	2,763	142,201	2,352	cross-border
136,861	38,612	3,501	3,400	103,707	2,223	non-reporting banks
55,937	24,632	1,189	1,658	73,439	1,411	institutional investors
68,702	29,325	502	205	60,072	355	hedge funds and PTFs
2,619	1,070	151	151	1,293	449	official sector FI
21,568	6,380	297	181	17,442	270	others
8,788	2,963	1,779	119	5,533	20	undistributed
36,288	7,925	2,391	2,278	40,212	2,181	with non-financial customers
14,448	2,921	1,479	2,011	30,358	1,965	local
21,840	5,004	912	267	9,855	216	cross-border
144,822	47,006	1,401	898	148,274	694	<i>o/w prime brokered</i>
14,962	2,737	843	1,531	21,431	57	<i>o/w retail-driven</i>
<b>117,080</b>	<b>46,369</b>	<b>5,968</b>	<b>22,223</b>	<b>95,557</b>	<b>22,094</b>	<b>Outright forwards</b>
29,875	10,151	1,083	9,471	20,337	12,541	with reporting dealers
6,093	2,983	380	3,465	4,979	2,024	local
23,782	7,168	703	6,006	15,357	10,517	cross-border
68,707	31,079	3,311	7,676	65,094	7,359	with other financial institutions
31,421	16,914	2,272	2,323	28,213	2,330	local
37,286	14,165	1,040	5,354	36,881	5,029	cross-border
12,072	4,572	826	3,633	10,736	3,187	non-reporting banks
21,248	9,689	632	1,976	31,234	2,110	institutional investors
22,505	12,083	218	1,183	14,359	1,096	hedge funds and PTFs
1,388	925	56	176	702	362	official sector FI
8,100	2,500	50	692	6,168	592	others
3,393	1,310	1,529	16	1,896	11	undistributed
18,498	5,139	1,574	5,075	10,126	2,194	with non-financial customers
11,086	2,731	255	3,106	7,280	1,283	local
7,412	2,408	1,318	1,970	2,847	911	cross-border
57,095	21,079	3,889	3,517	49,688	2,990	Up to 7 days
54,785	22,190	1,734	17,958	41,343	18,320	Over 7 days and up to 1 year
5,200	3,100	345	747	4,525	784	Over 1 year
15,167	8,598	384	1,838	15,633	1,461	<i>o/w prime brokered</i>
3,695	734	114	894	1,867	302	<i>o/w retail-driven</i>
...	...	...	17,204	...	19,565	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.2

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## US dollar against:

Daily averages, in millions of US dollars

	MXN	NOK	NZD	PLN	RUB	SEK
<b>Spot</b>	<b>54,170</b>	<b>6,374</b>	<b>26,426</b>	<b>2,731</b>	<b>34,970</b>	<b>7,868</b>
with reporting dealers	19,144	1,912	8,890	671	10,983	2,216
local	11,247	560	3,378	165	7,523	545
cross-border	7,898	1,352	5,511	506	3,461	1,671
with other financial institutions	31,853	3,749	15,685	1,691	19,077	4,904
local	13,886	1,767	7,376	879	8,563	2,437
cross-border	17,967	1,981	8,309	812	10,514	2,467
non-reporting banks	13,050	1,680	5,998	516	12,768	2,095
institutional investors	4,970	607	3,128	333	1,761	922
hedge funds and PTFs	10,559	1,123	4,754	492	1,430	1,355
official sector FI	232	59	139	32	10	41
others	2,348	223	1,237	77	3,003	374
undistributed	694	57	427	240	106	117
with non-financial customers	3,172	714	1,851	368	4,909	747
local	2,319	392	1,012	266	1,696	394
cross-border	853	322	840	102	3,213	354
<i>o/w prime brokered</i>	<i>15,021</i>	<i>1,976</i>	<i>9,116</i>	<i>590</i>	<i>7,547</i>	<i>2,600</i>
<i>o/w retail-driven</i>	<i>1,547</i>	<i>127</i>	<i>413</i>	<i>48</i>	<i>184</i>	<i>158</i>
<b>Outright forwards</b>	<b>12,713</b>	<b>5,949</b>	<b>8,303</b>	<b>2,769</b>	<b>7,817</b>	<b>5,812</b>
with reporting dealers	2,068	2,004	1,304	532	2,064	1,363
local	711	299	368	207	566	226
cross-border	1,358	1,705	936	325	1,498	1,137
with other financial institutions	9,263	3,330	5,650	1,739	4,426	3,749
local	3,517	1,224	2,371	866	1,616	1,663
cross-border	5,746	2,106	3,279	872	2,810	2,086
non-reporting banks	2,778	658	1,032	255	1,516	856
institutional investors	2,092	849	1,517	431	1,286	904
hedge funds and PTFs	2,845	1,383	2,107	684	1,172	1,600
official sector FI	418	117	97	21	37	68
others	802	150	730	104	293	267
undistributed	327	172	168	243	122	54
with non-financial customers	1,381	615	1,349	499	1,327	700
local	957	346	646	328	825	407
cross-border	424	270	703	171	502	293
Up to 7 days	4,200	3,320	3,378	973	1,860	2,674
Over 7 days and up to 1 year	7,965	2,319	4,529	1,656	5,701	2,803
Over 1 year	548	310	395	139	256	335
<i>o/w prime brokered</i>	<i>3,852</i>	<i>835</i>	<i>2,607</i>	<i>635</i>	<i>1,161</i>	<i>1,185</i>
<i>o/w retail-driven</i>	<i>456</i>	<i>88</i>	<i>60</i>	<i>38</i>	<i>15</i>	<i>107</i>
<i>o/w non-deliverable forwards</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>4,118</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.3

**OTC foreign exchange turnover by instrument, counterparty and currency in  
April 2013, "net-net" basis<sup>1</sup>  
US dollar against:**

Daily averages, in millions of US dollars

SGD	TRY	TWD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>17,209</b>	<b>13,931</b>	<b>5,224</b>	<b>17,564</b>	<b>20,419</b>	<b>31,565</b>	<b>Spot</b>
6,984	4,568	1,553	6,301	8,317	11,769	with reporting dealers
2,101	1,454	1,038	2,421	6,644	2,242	local
4,883	3,114	515	3,880	1,673	9,526	cross-border
8,916	8,757	2,045	10,071	5,838	16,455	with other financial institutions
3,087	4,116	1,087	3,926	3,695	5,470	local
5,828	4,641	958	6,145	2,143	10,985	cross-border
3,798	4,748	1,195	5,173	2,335	7,233	non-reporting banks
2,381	1,167	491	1,700	700	3,957	institutional investors
1,565	1,584	61	2,234	459	1,854	hedge funds and PTFs
140	70	218	80	651	362	official sector FI
316	498	76	622	1,633	1,451	others
716	689	4	262	60	1,598	undistributed
1,309	606	1,626	1,192	6,264	3,342	with non-financial customers
753	298	1,521	708	6,009	1,667	local
556	308	105	485	255	1,675	cross-border
3,277	2,858	159	6,002	540	3,747	<i>o/w prime brokered</i>
415	124	246	338	2,383	2,025	<i>o/w retail-driven</i>
<b>7,485</b>	<b>8,445</b>	<b>10,130</b>	<b>6,133</b>	<b>9,026</b>	<b>61,170</b>	<b>Outright forwards</b>
2,477	1,615	4,527	1,267	2,930	19,257	with reporting dealers
607	593	902	516	936	4,659	local
1,870	1,022	3,626	750	1,994	14,598	cross-border
4,064	6,156	4,158	3,953	3,138	37,447	with other financial institutions
2,024	2,914	1,257	1,420	2,677	12,285	local
2,040	3,242	2,901	2,534	461	25,162	cross-border
1,189	1,842	2,422	1,046	421	13,714	non-reporting banks
1,492	917	891	635	1,680	5,379	institutional investors
939	1,662	447	1,419	438	11,625	hedge funds and PTFs
43	24	202	45	94	522	official sector FI
103	419	171	671	422	4,581	others
299	1,292	25	136	81	1,626	undistributed
945	674	1,445	913	2,958	4,466	with non-financial customers
546	405	426	610	2,904	1,830	local
399	268	1,020	303	54	2,637	cross-border
3,474	3,296	1,770	2,163	3,259	17,305	Up to 7 days
3,843	4,385	8,076	3,453	5,648	42,331	Over 7 days and up to 1 year
169	764	284	517	119	1,534	Over 1 year
1,099	2,167	838	1,743	66	18,528	<i>o/w prime brokered</i>
149	93	816	185	1,432	2,355	<i>o/w retail-driven</i>
...	...	8,856	...	...	...	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 3.4

## OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	CHF	CNY
<b>Foreign exchange swaps</b>	<b>2,029,559</b>	<b>157,817</b>	<b>674</b>	<b>87,407</b>	<b>115,685</b>	<b>39,073</b>
with reporting dealers	1,015,647	87,217	174	38,622	58,758	22,294
local	365,538	26,766	49	11,047	19,146	10,999
cross-border	650,109	60,452	125	27,575	39,612	11,294
with other financial institutions	908,156	63,293	413	42,788	52,830	14,671
local	361,576	20,934	121	15,060	15,997	8,607
cross-border	546,580	42,359	292	27,729	36,833	6,064
non-reporting banks	562,187	38,560	286	26,393	33,096	11,971
institutional investors	129,423	9,673	16	6,069	7,454	528
hedge funds and PTFs	97,389	6,111	89	5,194	5,249	504
official sector FI	27,210	1,928	9	1,112	1,552	67
others	83,710	6,165	13	3,613	5,055	828
undistributed	8,237	856	...	407	423	772
with non-financial customers	105,756	7,307	87	5,996	4,097	2,109
local	55,352	3,026	64	3,688	2,207	787
cross-border	50,404	4,281	23	2,308	1,889	1,322
Up to 7 days	1,446,589	122,294	13	62,254	85,069	25,295
Over 7 days and up to 1 year	502,623	30,519	613	20,885	27,269	11,214
Over 1 year	80,347	5,004	48	4,269	3,347	2,564
<i>o/w prime brokered</i>	<i>93,063</i>	<i>6,670</i>	<i>20</i>	<i>4,704</i>	<i>4,060</i>	<i>3,339</i>
<i>o/w retail-driven</i>	<i>61,864</i>	<i>2,753</i>	<i>15</i>	<i>4,288</i>	<i>4,616</i>	<i>1,071</i>
<b>Currency swaps</b>	<b>50,262</b>	<b>5,724</b>	<b>2,523</b>	<b>2,129</b>	<b>929</b>	<b>486</b>
with reporting dealers	27,413	2,932	17	1,139	482	267
local	14,149	1,027	11	306	318	118
cross-border	13,265	1,904	7	833	164	149
with other financial institutions	17,274	2,483	191	698	407	133
local	4,747	966	87	45	99	15
cross-border	12,527	1,517	104	654	308	118
non-reporting banks	7,009	1,073	98	577	189	85
institutional investors	1,585	285	12	37	45	23
hedge funds and PTFs	3,996	1,000	74	1	47	23
official sector FI	507	29	2	21	2	0
others	4,164	96	2	62	125	2
undistributed	13	0	4	...	...	...
with non-financial customers	5,575	309	2,315	291	40	86
local	3,623	30	2,298	285	8	38
cross-border	1,951	279	17	6	32	47
<i>o/w prime brokered</i>	<i>950</i>	<i>26</i>	<i>3</i>	<i>308</i>	<i>1</i>	<i>81</i>
<i>o/w retail-driven</i>	<i>1,292</i>	<i>54</i>	<i>20</i>	<i>29</i>	<i>46</i>	<i>6</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.5

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## US dollar against:

Daily averages, in millions of US dollars

EUR	GBP	HKD	INR	JPY	KRW	
<b>619,573</b>	<b>243,346</b>	<b>44,630</b>	<b>10,066</b>	<b>284,515</b>	<b>15,736</b>	<b>Foreign exchange swaps</b>
291,964	120,713	28,007	7,586	150,842	12,938	with reporting dealers
94,379	53,321	9,369	7,086	49,644	12,492	local
197,585	67,392	18,638	499	101,198	446	cross-border
293,390	110,085	13,978	2,376	117,051	2,093	with other financial institutions
121,733	56,556	4,328	2,201	45,358	1,904	local
171,657	53,529	9,650	175	71,693	189	cross-border
177,268	72,080	11,009	2,055	67,272	490	non-reporting banks
47,227	15,207	1,480	78	18,736	831	institutional investors
28,254	10,029	339	31	15,285	40	hedge funds and PTFs
9,135	2,781	250	27	4,219	702	official sector FI
30,140	9,059	774	175	10,658	31	others
1,366	929	126	11	881	...	undistributed
34,220	12,548	2,646	104	16,622	705	with non-financial customers
15,209	6,344	1,333	78	11,725	703	local
19,010	6,204	1,313	26	4,897	2	cross-border
<i>417,648</i>	<i>170,797</i>	<i>33,752</i>	<i>6,308</i>	<i>198,034</i>	<i>6,843</i>	<i>Up to 7 days</i>
<i>174,121</i>	<i>59,461</i>	<i>10,201</i>	<i>3,444</i>	<i>73,697</i>	<i>8,640</i>	<i>Over 7 days and up to 1 year</i>
<i>27,805</i>	<i>13,088</i>	<i>677</i>	<i>314</i>	<i>12,783</i>	<i>254</i>	<i>Over 1 year</i>
20,296	7,399	4,519	910	17,920	66	<i>o/w prime brokered</i>
22,848	6,033	1,003	203	9,924	3	<i>o/w retail-driven</i>
<b>14,504</b>	<b>3,622</b>	<b>436</b>	<b>292</b>	<b>10,645</b>	<b>687</b>	<b>Currency swaps</b>
8,863	2,440	132	249	6,103	485	with reporting dealers
5,453	1,777	46	241	2,289	395	local
3,409	663	86	8	3,815	90	cross-border
4,840	1,083	102	27	4,044	162	with other financial institutions
1,104	339	14	10	627	95	local
3,736	743	88	17	3,417	66	cross-border
1,282	346	68	15	1,347	54	non-reporting banks
327	160	32	0	189	84	institutional investors
1,094	154	...	...	1,210	...	hedge funds and PTFs
307	26	1	0	5	13	official sector FI
1,830	397	0	12	1,294	12	others
0	...	...	...	...	...	undistributed
801	99	202	16	497	40	with non-financial customers
193	33	182	15	278	9	local
608	67	20	2	219	31	cross-border
<i>243</i>	<i>15</i>	<i>4</i>	<i>4</i>	<i>32</i>	<i>9</i>	<i>o/w prime brokered</i>
<i>664</i>	<i>40</i>	<i>0</i>	<i>3</i>	<i>63</i>	<i>0</i>	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.6

## OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

	MXN	NOK	NZD	PLN	RUB	SEK
<b>Foreign exchange swaps</b>	<b>55,645</b>	<b>35,453</b>	<b>44,099</b>	<b>16,095</b>	<b>33,617</b>	<b>40,412</b>
with reporting dealers	18,938	18,426	24,160	8,063	16,963	20,172
local	6,662	4,037	7,486	2,863	8,663	5,886
cross-border	12,276	14,389	16,673	5,199	8,300	14,286
with other financial institutions	34,227	15,418	18,185	7,476	15,225	17,545
local	8,454	6,529	4,985	2,970	6,996	5,806
cross-border	25,773	8,889	13,200	4,506	8,229	11,739
non-reporting banks	24,934	9,969	11,951	4,514	10,201	11,420
institutional investors	2,884	2,363	1,992	766	1,033	2,047
hedge funds and PTFs	3,571	1,308	1,208	1,359	3,092	2,291
official sector FI	379	459	828	41	14	269
others	2,372	1,221	1,324	772	884	1,449
undistributed	86	98	883	24	1	69
with non-financial customers	2,481	1,609	1,754	557	1,429	2,695
local	1,972	576	661	296	315	1,401
cross-border	509	1,033	1,094	260	1,114	1,294
Up to 7 days	43,893	28,115	37,157	12,656	29,201	29,891
Over 7 days and up to 1 year	9,838	6,284	6,093	2,895	3,897	9,116
Over 1 year	1,915	1,055	849	545	519	1,405
<i>o/w prime brokered</i>	<i>5,546</i>	<i>883</i>	<i>1,848</i>	<i>630</i>	<i>260</i>	<i>1,379</i>
<i>o/w retail-driven</i>	<i>2,513</i>	<i>653</i>	<i>779</i>	<i>332</i>	<i>88</i>	<i>594</i>
<b>Currency swaps</b>	<b>723</b>	<b>241</b>	<b>1,443</b>	<b>98</b>	<b>424</b>	<b>600</b>
with reporting dealers	305	115	924	87	229	306
local	89	30	352	65	155	155
cross-border	217	85	572	22	74	151
with other financial institutions	340	92	440	11	152	291
local	175	56	70	...	63	110
cross-border	165	36	370	11	89	181
non-reporting banks	143	37	249	5	109	87
institutional investors	57	50	26	4	20	14
hedge funds and PTFs	12	...	84	...	12	162
official sector FI	62	0	12	2	0	0
others	67	5	61	0	10	28
undistributed	...	...	8	...	...	...
with non-financial customers	77	33	79	0	43	2
local	42	0	45	...	6	1
cross-border	35	33	34	0	38	1
<i>o/w prime brokered</i>	<i>90</i>	<i>...</i>	<i>3</i>	<i>...</i>	<i>...</i>	<i>0</i>
<i>o/w retail-driven</i>	<i>36</i>	<i>2</i>	<i>238</i>	<i>9</i>	<i>4</i>	<i>11</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 3.7



# OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

SGD	TRY	TWD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>37,780</b>	<b>35,381</b>	<b>5,005</b>	<b>26,090</b>	<b>19,917</b>	<b>61,540</b>	<b>Foreign exchange swaps</b>
22,142	12,635	1,326	13,345	11,596	28,768	with reporting dealers
9,649	4,309	1,207	4,393	7,404	8,680	local
12,493	8,326	120	8,952	4,192	20,087	cross-border
13,550	21,952	3,081	12,012	6,619	29,897	with other financial institutions
4,613	9,759	2,898	4,018	3,413	8,336	local
8,937	12,194	184	7,993	3,207	21,561	cross-border
8,308	11,068	1,005	7,346	3,755	17,237	non-reporting banks
1,453	2,455	983	1,339	887	3,923	institutional investors
964	6,249	83	2,506	580	3,054	hedge funds and PTFs
1,475	37	967	108	603	247	official sector FI
1,253	2,086	44	685	689	4,420	others
97	59	0	27	106	1,015	undistributed
2,088	794	598	733	1,702	2,876	with non-financial customers
1,273	256	555	335	1,526	1,021	local
815	537	43	398	176	1,855	cross-border
<i>28,951</i>	<i>26,229</i>	<i>660</i>	<i>20,693</i>	<i>12,325</i>	<i>48,513</i>	<i>Up to 7 days</i>
<i>8,352</i>	<i>8,275</i>	<i>4,219</i>	<i>4,830</i>	<i>7,322</i>	<i>11,439</i>	<i>Over 7 days and up to 1 year</i>
<i>477</i>	<i>877</i>	<i>126</i>	<i>567</i>	<i>271</i>	<i>1,589</i>	<i>Over 1 year</i>
3,106	1,869	13	3,694	742	3,191	<i>o/w prime brokered</i>
664	265	15	344	1,846	1,016	<i>o/w retail-driven</i>
<b>585</b>	<b>2,494</b>	<b>247</b>	<b>164</b>	<b>361</b>	<b>905</b>	<b>Currency swaps</b>
192	1,371	35	101	172	466	with reporting dealers
82	701	32	40	131	336	local
110	670	4	61	41	130	cross-border
298	773	189	56	94	367	with other financial institutions
24	443	188	10	70	135	local
274	330	1	46	25	231	cross-border
81	614	189	34	37	291	non-reporting banks
101	55	0	7	25	31	institutional investors
98	19	...	...	2	4	hedge funds and PTFs
0	0	0	8	...	18	official sector FI
18	85	0	6	30	22	others
...	...	...	...	...	...	undistributed
95	350	23	7	95	72	with non-financial customers
2	3	23	0	95	37	local
93	347	0	7	...	36	cross-border
37	89	0	3	...	3	<i>o/w prime brokered</i>
4	12	1	2	38	10	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 3.8

## OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	CHF	CNY
<b>Options sold</b>	<b>188,885</b>	<b>13,453</b>	<b>6,140</b>	<b>6,043</b>	<b>3,220</b>	<b>10,437</b>
with reporting dealers	84,149	7,279	2,516	2,972	1,387	4,529
local	33,178	2,283	898	937	507	1,170
cross-border	50,971	4,996	1,618	2,035	880	3,358
with other financial institutions	92,813	5,210	3,562	2,739	1,699	3,820
local	46,703	2,109	1,015	1,582	1,090	1,310
cross-border	46,110	3,101	2,546	1,157	609	2,511
non-reporting banks	27,143	1,863	546	994	308	1,356
institutional investors	28,146	1,686	1,006	669	312	1,025
hedge funds and PTFs	33,467	1,371	1,822	951	1,014	1,315
official sector FI	633	47	42	16	12	0
others	3,067	219	93	88	53	125
undistributed	357	24	53	21	...	...
with non-financial customers	11,923	964	62	332	134	2,089
local	4,789	378	22	170	54	360
cross-border	7,134	586	40	162	80	1,728
<i>o/w prime brokered</i>	<i>24,058</i>	<i>1,226</i>	<i>1,031</i>	<i>473</i>	<i>197</i>	<i>609</i>
<i>o/w retail-driven</i>	<i>2,176</i>	<i>348</i>	<i>6</i>	<i>18</i>	<i>61</i>	<i>42</i>
<b>Options bought</b>	<b>188,433</b>	<b>12,776</b>	<b>5,150</b>	<b>5,867</b>	<b>3,464</b>	<b>10,013</b>
with reporting dealers	83,634	6,866	2,616	2,695	1,515	4,361
local	33,080	2,412	952	824	635	1,221
cross-border	50,554	4,454	1,664	1,871	880	3,140
with other financial institutions	90,354	4,099	2,455	2,651	1,729	3,434
local	44,767	1,597	850	1,444	1,062	1,254
cross-border	45,588	2,502	1,605	1,207	668	2,180
non-reporting banks	27,556	1,543	487	937	386	1,052
institutional investors	20,357	646	235	367	280	794
hedge funds and PTFs	29,843	988	813	911	950	969
official sector FI	781	46	50	31	5	0
others	11,534	857	840	401	108	620
undistributed	283	19	30	5	...	...
with non-financial customers	14,444	1,811	79	521	220	2,217
local	6,689	895	18	251	98	675
cross-border	7,755	916	62	270	122	1,542
<i>o/w prime brokered</i>	<i>24,005</i>	<i>1,144</i>	<i>974</i>	<i>469</i>	<i>195</i>	<i>638</i>
<i>o/w retail-driven</i>	<i>3,361</i>	<i>740</i>	<i>6</i>	<i>62</i>	<i>88</i>	<i>217</i>
<b>Total options</b>	<b>293,427</b>	<b>19,156</b>	<b>8,724</b>	<b>9,076</b>	<b>5,234</b>	<b>16,005</b>
<b>Other products</b>	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>4,652,192</b>	<b>363,710</b>	<b>47,741</b>	<b>199,807</b>	<b>183,757</b>	<b>112,677</b>
<i>o/w prime brokered</i>	<i>731,605</i>	<i>68,126</i>	<i>5,454</i>	<i>35,019</i>	<i>23,763</i>	<i>9,010</i>
<i>o/w retail-driven</i>	<i>144,630</i>	<i>7,008</i>	<i>1,163</i>	<i>7,485</i>	<i>6,418</i>	<i>5,378</i>
<i>o/w related party trade</i>	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 3.9

# OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

EUR	GBP	HKD	INR	JPY	KRW	
<b>29,595</b>	<b>14,021</b>	<b>654</b>	<b>1,622</b>	<b>85,161</b>	<b>2,477</b>	<b>Options sold</b>
14,720	6,780	355	896	33,669	1,212	with reporting dealers
6,078	3,371	102	377	14,630	265	local
8,642	3,409	253	519	19,039	947	cross-border
12,866	6,528	249	474	47,809	752	with other financial institutions
6,878	3,757	55	179	25,808	279	local
5,988	2,770	194	296	22,002	473	cross-border
4,486	2,137	115	148	12,406	218	non-reporting banks
3,666	1,526	44	190	16,304	392	institutional investors
4,035	2,493	65	122	17,671	94	hedge funds and PTFs
72	47	0	6	302	1	official sector FI
560	284	25	8	978	47	others
47	40	...	0	148	...	undistributed
2,009	713	50	251	3,682	513	with non-financial customers
906	382	11	143	1,272	430	local
1,103	331	39	108	2,410	83	cross-border
2,217	1,232	8	205	14,694	273	<i>o/w prime brokered</i>
527	213	2	22	686	22	<i>o/w retail-driven</i>
<b>28,279</b>	<b>14,402</b>	<b>869</b>	<b>1,659</b>	<b>87,766</b>	<b>2,371</b>	<b>Options bought</b>
14,217	7,360	679	866	33,519	1,231	with reporting dealers
5,801	3,389	101	385	14,488	295	local
8,416	3,971	579	480	19,031	936	cross-border
11,711	6,188	132	425	50,392	750	with other financial institutions
5,886	3,500	46	155	26,435	276	local
5,825	2,688	85	270	23,957	474	cross-border
4,144	2,287	115	148	13,736	235	non-reporting banks
1,942	841	8	48	14,216	197	institutional investors
3,674	2,057	7	107	17,380	109	hedge funds and PTFs
234	50	0	3	269	2	official sector FI
1,651	933	2	120	4,674	206	others
67	21	...	...	117	...	undistributed
2,350	854	58	368	3,856	390	with non-financial customers
1,121	490	20	215	1,513	303	local
1,229	363	38	153	2,343	87	cross-border
2,113	1,145	6	222	14,898	265	<i>o/w prime brokered</i>
626	299	3	13	786	33	<i>o/w retail-driven</i>
<b>43,405</b>	<b>21,353</b>	<b>1,006</b>	<b>2,400</b>	<b>139,333</b>	<b>3,626</b>	<b>Total options</b>
...	...	...	...	...	...	<b>Other products</b>
<b>1,288,604</b>	<b>471,500</b>	<b>68,637</b>	<b>49,754</b>	<b>977,908</b>	<b>60,465</b>	<b>Total FX contracts</b>
184,858	65,394	6,322	4,078	211,451	2,768	<i>o/w prime brokered</i>
43,320	10,055	1,965	2,666	34,758	416	<i>o/w retail-driven</i>
...	...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 3.10

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## US dollar against:

Daily averages, in millions of US dollars

	MXN	NOK	NZD	PLN	RUB	SEK
<b>Options sold</b>	<b>3,165</b>	<b>281</b>	<b>1,186</b>	<b>141</b>	<b>1,504</b>	<b>363</b>
with reporting dealers	1,839	99	665	85	807	189
local	546	34	205	25	309	45
cross-border	1,293	65	460	60	498	144
with other financial institutions	1,259	158	457	50	591	127
local	591	89	163	21	213	39
cross-border	667	69	293	29	378	87
non-reporting banks	391	62	148	23	336	58
institutional investors	256	49	196	6	78	18
hedge funds and PTFs	455	42	86	19	160	44
official sector FI	40	1	4	0	5	2
others	94	3	22	3	11	3
undistributed	22	...	0	...	0	0
with non-financial customers	67	24	64	6	107	47
local	30	11	27	5	59	35
cross-border	36	13	36	1	47	12
<i>o/w prime brokered</i>	246	25	171	6	33	35
<i>o/w retail-driven</i>	33	3	16	1	2	3
<b>Options bought</b>	<b>3,269</b>	<b>267</b>	<b>1,194</b>	<b>149</b>	<b>1,482</b>	<b>334</b>
with reporting dealers	1,915	101	620	88	832	177
local	556	46	195	29	313	52
cross-border	1,359	54	425	59	519	125
with other financial institutions	1,233	119	465	50	496	106
local	622	40	156	18	144	25
cross-border	611	78	309	33	353	81
non-reporting banks	380	46	101	23	266	61
institutional investors	170	20	112	3	72	12
hedge funds and PTFs	462	23	80	23	123	19
official sector FI	35	10	1	0	2	0
others	162	20	172	2	33	14
undistributed	24	...	...	...	...	...
with non-financial customers	121	47	109	10	153	50
local	67	22	51	5	94	37
cross-border	54	25	58	5	59	13
<i>o/w prime brokered</i>	244	26	143	6	32	28
<i>o/w retail-driven</i>	43	7	50	4	10	4
<b>Total options</b>	<b>4,556</b>	<b>448</b>	<b>1,737</b>	<b>203</b>	<b>2,167</b>	<b>513</b>
<b>Other products</b>	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>127,807</b>	<b>48,465</b>	<b>82,009</b>	<b>21,896</b>	<b>78,994</b>	<b>55,204</b>
<i>o/w prime brokered</i>	25,000	3,745	13,888	1,867	9,033	5,227
<i>o/w retail-driven</i>	4,628	880	1,555	432	303	877
<i>o/w related party trade</i>	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 3.11

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

SGD	TRY	TWD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>1,597</b>	<b>1,472</b>	<b>677</b>	<b>801</b>	<b>527</b>	<b>4,350</b>	<b>Options sold</b>
934	862	289	399	165	1,501	with reporting dealers
273	253	91	136	79	564	local
660	609	198	263	86	937	cross-border
553	521	334	283	164	2,608	with other financial institutions
184	214	109	111	58	848	local
369	307	225	172	106	1,760	cross-border
220	220	98	114	112	784	non-reporting banks
83	65	67	59	8	443	institutional investors
224	197	154	70	44	1,017	hedge funds and PTFs
0	12	0	3	...	19	official sector FI
26	28	13	37	0	345	others
...	...	2	0	...	0	undistributed
110	88	53	120	197	240	with non-financial customers
17	77	27	94	192	88	local
94	12	26	26	6	152	cross-border
131	88	60	79	7	1,013	<i>o/w prime brokered</i>
14	25	4	22	15	93	<i>o/w retail-driven</i>
<b>1,478</b>	<b>1,643</b>	<b>581</b>	<b>872</b>	<b>507</b>	<b>4,042</b>	<b>Options bought</b>
802	792	271	373	130	1,607	with reporting dealers
240	296	88	122	71	570	local
562	496	183	250	59	1,037	cross-border
539	595	220	336	143	2,084	with other financial institutions
185	293	62	146	46	523	local
354	302	158	190	97	1,562	cross-border
211	298	67	125	100	810	non-reporting banks
31	48	12	57	2	248	institutional investors
220	196	82	96	41	514	hedge funds and PTFs
0	5	0	3	...	36	official sector FI
78	50	61	55	1	476	others
...	...	...	0	...	1	undistributed
137	256	89	163	233	351	with non-financial customers
40	232	54	103	230	155	local
97	24	36	59	3	196	cross-border
132	79	54	78	7	1,106	<i>o/w prime brokered</i>
19	130	9	53	47	112	<i>o/w retail-driven</i>
<b>2,208</b>	<b>2,288</b>	<b>978</b>	<b>1,287</b>	<b>885</b>	<b>6,838</b>	<b>Total options</b>
...	...	...	...	...	...	<b>Other products</b>
<b>65,267</b>	<b>62,540</b>	<b>21,585</b>	<b>51,238</b>	<b>50,609</b>	<b>162,018</b>	<b>Total FX contracts</b>
7,781	7,150	1,124	11,599	1,361	27,588	<i>o/w prime brokered</i>
1,265	650	1,090	945	5,761	5,610	<i>o/w retail-driven</i>
...	...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 3.12

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	TOT	AUD	CAD	CHF	CNY	DKK
<b>Spot</b>	<b>754,276</b>	<b>10,858</b>	<b>5,693</b>	<b>31,908</b>	<b>617</b>	<b>4,000</b>
with reporting dealers	246,409	3,737	1,846	10,403	74	1,830
local	85,247	1,240	490	3,743	40	343
cross-border	161,161	2,497	1,355	6,660	34	1,487
with other financial institutions	442,798	6,337	3,331	19,345	115	1,782
local	197,376	3,283	1,394	8,020	76	1,007
cross-border	245,422	3,054	1,936	11,324	39	775
non-reporting banks	199,837	3,085	1,417	8,782	78	1,114
institutional investors	93,924	1,282	990	4,144	10	132
hedge funds and PTFs	102,404	1,502	703	4,553	0	397
official sector FI	4,610	78	27	133	0	19
others	32,234	323	177	1,685	24	84
undistributed	9,790	68	16	47	2	36
with non-financial customers	65,070	784	517	2,160	427	388
local	34,666	497	207	1,143	398	253
cross-border	30,403	286	310	1,017	30	135
<i>o/w prime brokered</i>	<i>227,387</i>	<i>3,767</i>	<i>1,898</i>	<i>9,878</i>	<i>5</i>	<i>253</i>
<i>o/w retail-driven</i>	<i>28,846</i>	<i>323</i>	<i>175</i>	<i>1,296</i>	<i>32</i>	<i>88</i>
<b>Outright forwards</b>	<b>177,772</b>	<b>3,036</b>	<b>3,237</b>	<b>6,894</b>	<b>413</b>	<b>1,845</b>
with reporting dealers	43,884	519	1,009	1,417	64	340
local	9,786	140	264	515	5	142
cross-border	34,098	379	745	902	60	198
with other financial institutions	104,604	1,960	1,727	4,535	51	1,064
local	49,954	1,249	697	1,819	8	900
cross-border	54,650	712	1,030	2,716	43	164
non-reporting banks	21,284	254	607	1,100	16	325
institutional investors	34,629	769	693	1,198	17	213
hedge funds and PTFs	31,299	800	298	1,679	0	432
official sector FI	2,141	14	20	62	0	12
others	11,695	120	107	487	17	74
undistributed	3,555	3	2	9	...	9
with non-financial customers	29,284	556	501	943	298	442
local	17,290	287	151	461	161	195
cross-border	11,994	269	350	482	137	246
Up to 7 days	80,616	1,034	1,597	2,693	72	1,035
Over 7 days and up to 1 year	88,679	1,859	1,528	3,664	322	806
Over 1 year	8,476	143	112	537	19	4
<i>o/w prime brokered</i>	<i>25,530</i>	<i>616</i>	<i>299</i>	<i>1,967</i>	<i>2</i>	<i>55</i>
<i>o/w retail-driven</i>	<i>5,563</i>	<i>78</i>	<i>97</i>	<i>281</i>	<i>16</i>	<i>41</i>
<i>o/w non-deliverable forwards</i>	<i>1,642</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 4.1

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

GBP	HUF	JPY	NOK	PLN	
<b>41,094</b>	<b>5,503</b>	<b>109,310</b>	<b>11,009</b>	<b>7,670</b>	<b>Spot</b>
13,545	1,716	31,370	3,975	2,704	with reporting dealers
5,434	711	10,525	1,406	1,000	local
8,112	1,005	20,844	2,570	1,704	cross-border
25,063	2,604	63,524	6,317	4,225	with other financial institutions
13,211	1,516	24,976	2,924	2,442	local
11,853	1,088	38,548	3,393	1,783	cross-border
10,727	1,603	22,154	3,112	2,642	non-reporting banks
4,351	345	22,497	1,133	597	institutional investors
7,441	493	13,772	1,517	739	hedge funds and PTFs
325	15	194	48	21	official sector FI
1,986	144	4,511	477	195	others
233	4	396	29	31	undistributed
2,485	1,183	14,416	716	741	with non-financial customers
1,181	1,035	11,445	342	577	local
1,305	148	2,972	374	163	cross-border
<i>11,808</i>	<i>1,026</i>	<i>42,674</i>	<i>3,680</i>	<i>1,493</i>	<i>o/w prime brokered</i>
<i>925</i>	<i>411</i>	<i>9,332</i>	<i>284</i>	<i>90</i>	<i>o/w retail-driven</i>
<b>12,146</b>	<b>1,587</b>	<b>13,043</b>	<b>2,444</b>	<b>2,319</b>	<b>Outright forwards</b>
3,046	288	2,280	416	451	with reporting dealers
639	116	530	147	195	local
2,407	172	1,750	269	256	cross-border
6,921	1,072	9,275	1,626	1,375	with other financial institutions
3,643	478	5,681	674	663	local
3,277	595	3,594	953	711	cross-border
1,606	318	1,813	498	392	non-reporting banks
2,865	287	4,943	390	346	institutional investors
1,571	313	1,311	560	435	hedge funds and PTFs
344	9	176	9	18	official sector FI
505	122	1,011	170	182	others
31	22	21	1	1	undistributed
2,180	228	1,489	402	493	with non-financial customers
1,378	112	890	246	310	local
802	116	599	155	183	cross-border
5,434	278	5,310	763	402	Up to 7 days
6,188	1,230	7,107	1,360	1,638	Over 7 days and up to 1 year
524	80	626	322	278	Over 1 year
<i>920</i>	<i>570</i>	<i>1,983</i>	<i>795</i>	<i>700</i>	<i>o/w prime brokered</i>
<i>315</i>	<i>142</i>	<i>489</i>	<i>61</i>	<i>36</i>	<i>o/w retail-driven</i>
...	...	...	...	...	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 4.2

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	SEK	TRY	USD	OTH <sup>2</sup>	RES <sup>3</sup>
<b>Spot</b>	<b>14,178</b>	<b>1,372</b>	<b>494,041</b>	<b>4,495</b>	<b>12,530</b>
with reporting dealers	4,882	483	163,278	791	5,774
local	1,694	103	56,590	261	1,667
cross-border	3,188	380	106,688	530	4,107
with other financial institutions	8,228	660	294,475	1,513	5,279
local	3,740	249	131,276	1,210	2,050
cross-border	4,488	410	163,199	303	3,229
non-reporting banks	4,182	435	136,861	386	3,259
institutional investors	1,498	114	55,937	77	815
hedge funds and PTFs	1,784	62	68,702	10	728
official sector FI	58	9	2,619	995	68
others	669	32	21,568	31	328
undistributed	37	6	8,788	14	81
with non-financial customers	1,068	229	36,288	2,191	1,476
local	587	121	14,448	1,822	611
cross-border	481	108	21,840	369	865
<i>o/w prime brokered</i>	<i>4,603</i>	<i>136</i>	<i>144,822</i>	<i>63</i>	<i>1,282</i>
<i>o/w retail-driven</i>	<i>280</i>	<i>100</i>	<i>14,962</i>	<i>248</i>	<i>299</i>
<b>Outright forwards</b>	<b>3,388</b>	<b>877</b>	<b>117,080</b>	<b>1,211</b>	<b>8,250</b>
with reporting dealers	676	260	29,875	153	3,090
local	165	87	6,093	24	724
cross-border	511	173	23,782	129	2,366
with other financial institutions	1,934	369	68,707	288	3,699
local	795	174	31,421	162	1,590
cross-border	1,139	195	37,286	126	2,110
non-reporting banks	532	114	12,072	138	1,500
institutional investors	584	96	21,248	55	927
hedge funds and PTFs	436	96	22,505	6	855
official sector FI	22	3	1,388	9	57
others	322	54	8,100	80	345
undistributed	40	7	3,393	0	16
with non-financial customers	778	248	18,498	770	1,461
local	554	163	11,086	684	612
cross-border	223	84	7,412	86	849
Up to 7 days	1,177	323	57,095	236	3,168
Over 7 days and up to 1 year	1,916	504	54,785	797	4,975
Over 1 year	295	50	5,200	178	108
<i>o/w prime brokered</i>	<i>860</i>	<i>205</i>	<i>15,167</i>	<i>44</i>	<i>1,347</i>
<i>o/w retail-driven</i>	<i>57</i>	<i>30</i>	<i>3,695</i>	<i>59</i>	<i>164</i>
<i>o/w non-deliverable forwards</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 4.3



# OTC foreign exchange turnover by instrument, counterparty and currency in

April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	TOT	AUD	CAD	CHF	CNY	DKK
<b>Foreign exchange swaps</b>	<b>765,505</b>	<b>5,853</b>	<b>5,389</b>	<b>24,006</b>	<b>162</b>	<b>6,575</b>
with reporting dealers	346,409	2,481	2,013	9,114	24	4,035
local	107,463	421	446	2,552	1	347
cross-border	238,946	2,060	1,567	6,562	24	3,688
with other financial institutions	357,034	2,441	1,956	11,661	68	1,900
local	150,913	1,135	911	4,449	9	880
cross-border	206,121	1,306	1,046	7,211	59	1,020
non-reporting banks	211,456	1,034	778	6,773	54	1,319
institutional investors	61,021	718	784	2,379	1	251
hedge funds and PTFs	32,906	339	146	1,188	...	138
official sector FI	11,354	71	52	628	0	5
others	38,601	273	193	685	8	155
undistributed	1,696	6	3	8	5	32
with non-financial customers	62,062	930	1,420	3,232	70	641
local	30,267	401	557	1,646	25	337
cross-border	31,796	530	862	1,586	45	304
Up to 7 days	497,682	2,976	2,584	13,858	60	4,320
Over 7 days and up to 1 year	233,671	2,689	2,665	9,070	96	2,122
Over 1 year	34,152	187	140	1,078	6	133
<i>o/w prime brokered</i>	<i>26,464</i>	<i>547</i>	<i>172</i>	<i>1,290</i>	<i>0</i>	<i>108</i>
<i>o/w retail-driven</i>	<i>29,226</i>	<i>230</i>	<i>209</i>	<i>2,450</i>	<i>2</i>	<i>98</i>
<b>Currency swaps</b>	<b>17,858</b>	<b>171</b>	<b>33</b>	<b>394</b>	<b>8</b>	<b>77</b>
with reporting dealers	10,291	53	2	164	8	13
local	5,970	15	2	51	0	11
cross-border	4,321	37	0	113	8	2
with other financial institutions	6,241	85	30	163	0	44
local	1,663	66	...	130	...	42
cross-border	4,577	20	30	33	0	2
non-reporting banks	2,215	11	30	134	0	14
institutional investors	393	1	0	0	0	0
hedge funds and PTFs	1,116	...	...	1	...	...
official sector FI	451	9	0	3	0	0
others	2,064	65	0	24	0	30
undistributed	1	...	...	...	...	...
with non-financial customers	1,327	33	2	67	0	20
local	492	8	2	37	...	3
cross-border	834	25	0	30	0	17
<i>o/w prime brokered</i>	<i>249</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>
<i>o/w retail-driven</i>	<i>748</i>	<i>0</i>	<i>1</i>	<i>38</i>	<i>0</i>	<i>0</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 4.4

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	GBP	HUF	JPY	NOK	PLN
<b>Foreign exchange swaps</b>	<b>42,883</b>	<b>1,377</b>	<b>20,015</b>	<b>5,057</b>	<b>3,096</b>
with reporting dealers	13,596	433	7,039	1,258	1,196
local	3,834	150	2,206	185	278
cross-border	9,762	283	4,833	1,073	919
with other financial institutions	21,744	610	8,594	2,533	1,044
local	11,383	252	3,964	1,907	417
cross-border	10,361	358	4,630	625	628
non-reporting banks	10,318	397	3,929	1,189	647
institutional investors	4,443	90	2,581	836	187
hedge funds and PTFs	1,026	46	693	222	93
official sector FI	762	14	324	34	52
others	5,057	60	1,048	247	54
undistributed	137	3	19	5	10
with non-financial customers	7,543	334	4,382	1,266	856
local	3,843	106	3,555	619	232
cross-border	3,701	228	826	647	624
Up to 7 days	22,315	514	11,049	1,727	1,026
Over 7 days and up to 1 year	18,053	823	7,947	3,157	1,819
Over 1 year	2,515	41	1,019	172	251
<i>o/w prime brokered</i>	<i>1,572</i>	<i>98</i>	<i>1,090</i>	<i>261</i>	<i>70</i>
<i>o/w retail-driven</i>	<i>901</i>	<i>121</i>	<i>1,579</i>	<i>170</i>	<i>114</i>
<b>Currency swaps</b>	<b>955</b>	<b>225</b>	<b>287</b>	<b>86</b>	<b>212</b>
with reporting dealers	364	109	131	17	145
local	180	56	24	8	35
cross-border	183	53	107	9	110
with other financial institutions	502	113	88	50	44
local	124	53	70	24	11
cross-border	378	61	18	26	33
non-reporting banks	348	48	85	16	30
institutional investors	16	2	0	23	2
hedge funds and PTFs	...	21	...	...	...
official sector FI	103	10	0	1	8
others	35	32	3	10	3
undistributed	...	...	...	...	...
with non-financial customers	89	3	68	19	23
local	49	1	41	4	6
cross-border	40	2	27	16	18
<i>o/w prime brokered</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>
<i>o/w retail-driven</i>	<i>6</i>	<i>25</i>	<i>7</i>	<i>2</i>	<i>7</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 4.5

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

SEK	TRY	USD	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>8,988</b>	<b>2,385</b>	<b>619,573</b>	<b>5,028</b>	<b>15,118</b>	<b>Foreign exchange swaps</b>
3,555	358	291,964	2,551	6,791	with reporting dealers
270	22	94,379	926	1,448	local
3,285	337	197,585	1,626	5,343	cross-border
2,783	1,857	293,390	1,563	4,890	with other financial institutions
1,486	176	121,733	744	1,468	local
1,298	1,680	171,657	819	3,423	cross-border
1,548	1,664	177,268	1,232	3,305	non-reporting banks
678	105	47,227	206	535	institutional investors
193	17	28,254	60	490	hedge funds and PTFs
105	33	9,135	7	132	official sector FI
201	38	30,140	46	396	others
58	0	1,366	12	32	undistributed
2,650	169	34,220	913	3,437	with non-financial customers
1,655	66	15,209	848	1,168	local
995	103	19,010	65	2,269	cross-border
5,074	1,791	417,648	3,993	8,747	<i>Up to 7 days</i>
3,477	545	174,121	1,022	6,066	<i>Over 7 days and up to 1 year</i>
437	49	27,805	13	305	<i>Over 1 year</i>
241	98	20,296	65	555	<i>o/w prime brokered</i>
181	30	22,848	40	256	<i>o/w retail-driven</i>
<b>212</b>	<b>38</b>	<b>14,504</b>	<b>148</b>	<b>508</b>	<b>Currency swaps</b>
51	7	8,863	45	321	with reporting dealers
1	0	5,453	1	131	local
50	7	3,409	44	190	cross-border
139	24	4,840	8	109	with other financial institutions
2	11	1,104	6	18	local
137	13	3,736	2	90	cross-border
135	16	1,282	4	63	non-reporting banks
0	5	327	2	14	institutional investors
...	...	1,094	0	0	hedge funds and PTFs
4	1	307	...	3	official sector FI
0	2	1,830	1	28	others
...	...	0	1	...	undistributed
21	6	801	96	78	with non-financial customers
21	5	193	95	30	local
1	1	608	1	48	cross-border
...	...	243	...	6	<i>o/w prime brokered</i>
0	0	664	...	4	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 4.6

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	TOT	AUD	CAD	CHF	CNY	DKK
<b>Options sold</b>	<b>47,530</b>	<b>526</b>	<b>194</b>	<b>4,779</b>	<b>33</b>	<b>2</b>
with reporting dealers	23,400	277	70	1,630	8	2
local	9,572	53	15	567	0	0
cross-border	13,829	224	55	1,062	8	2
with other financial institutions	20,920	194	91	2,899	9	0
local	11,203	95	36	1,655	...	...
cross-border	9,717	99	54	1,243	9	0
non-reporting banks	7,423	64	42	841	9	0
institutional investors	6,048	54	16	1,128	0	0
hedge funds and PTFs	6,192	64	31	802	...	...
official sector FI	155	2	0	11	0	0
others	1,056	10	1	116	0	0
undistributed	47	...	0	...	...	...
with non-financial customers	3,210	55	34	251	16	0
local	1,447	14	6	95	2	0
cross-border	1,763	41	27	156	14	0
<i>o/w prime brokered</i>	<i>4,052</i>	<i>43</i>	<i>23</i>	<i>689</i>	<i>0</i>	<i>0</i>
<i>o/w retail-driven</i>	<i>846</i>	<i>41</i>	<i>11</i>	<i>44</i>	<i>0</i>	<i>0</i>
<b>Options bought</b>	<b>45,920</b>	<b>545</b>	<b>240</b>	<b>4,394</b>	<b>27</b>	<b>6</b>
with reporting dealers	22,885	301	105	1,481	10	1
local	9,150	56	29	483	3	0
cross-border	13,735	245	76	998	7	1
with other financial institutions	19,126	168	72	2,615	1	2
local	9,559	59	14	1,308	0	...
cross-border	9,567	110	58	1,307	1	2
non-reporting banks	6,892	54	39	841	1	2
institutional investors	3,221	27	6	546	0	0
hedge funds and PTFs	5,517	39	17	558	...	...
official sector FI	289	0	0	2	0	0
others	3,140	48	10	669	0	0
undistributed	68	...	0	...	...	...
with non-financial customers	3,909	76	62	298	16	3
local	1,940	20	25	121	3	3
cross-border	1,969	56	38	177	13	1
<i>o/w prime brokered</i>	<i>3,907</i>	<i>41</i>	<i>22</i>	<i>656</i>	<i>...</i>	<i>0</i>
<i>o/w retail-driven</i>	<i>1,099</i>	<i>51</i>	<i>18</i>	<i>81</i>	<i>0</i>	<i>1</i>
<b>Total options</b>	<b>70,308</b>	<b>783</b>	<b>346</b>	<b>7,618</b>	<b>51</b>	<b>7</b>
<b>Other products</b>	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>1,785,720</b>	<b>20,700</b>	<b>14,699</b>	<b>70,820</b>	<b>1,251</b>	<b>12,504</b>
<i>o/w prime brokered</i>	<i>287,590</i>	<i>5,014</i>	<i>2,414</i>	<i>14,479</i>	<i>7</i>	<i>416</i>
<i>o/w retail-driven</i>	<i>66,328</i>	<i>723</i>	<i>510</i>	<i>4,190</i>	<i>51</i>	<i>229</i>
<i>o/w related party trade</i>	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 4.7

**OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>**

**Euro against:**

Daily averages, in millions of US dollars

GBP	HUF	JPY	NOK	PLN	
<b>3,325</b>	<b>541</b>	<b>3,269</b>	<b>681</b>	<b>568</b>	<b>Options sold</b>
1,860	309	1,929	283	308	with reporting dealers
947	142	835	83	129	local
913	167	1,093	200	179	cross-border
1,337	228	1,074	349	228	with other financial institutions
810	133	527	115	112	local
527	95	546	235	116	cross-border
627	77	495	120	87	non-reporting banks
264	56	277	174	41	institutional investors
262	86	206	41	65	hedge funds and PTFs
15	5	15	2	19	official sector FI
169	6	80	13	15	others
0	...	0	...	...	undistributed
128	4	266	48	31	with non-financial customers
87	1	88	32	19	local
41	3	179	16	12	cross-border
148	46	187	90	25	<i>o/w prime brokered</i>
32	16	132	6	5	<i>o/w retail-driven</i>
<b>3,078</b>	<b>569</b>	<b>3,481</b>	<b>647</b>	<b>549</b>	<b>Options bought</b>
1,780	321	1,922	319	326	with reporting dealers
831	143	806	76	136	local
949	178	1,116	243	190	cross-border
1,150	222	1,146	272	181	with other financial institutions
635	125	529	66	74	local
515	97	617	205	108	cross-border
516	90	505	83	66	non-reporting banks
160	24	176	94	33	institutional investors
221	76	214	61	52	hedge funds and PTFs
10	3	23	0	6	official sector FI
244	30	228	32	24	others
0	...	0	...	0	undistributed
147	26	413	56	42	with non-financial customers
109	9	140	40	32	local
39	17	273	16	10	cross-border
129	46	189	84	20	<i>o/w prime brokered</i>
44	21	171	11	12	<i>o/w retail-driven</i>
<b>4,583</b>	<b>795</b>	<b>4,825</b>	<b>1,026</b>	<b>800</b>	<b>Total options</b>
...	...	...	...	...	<b>Other products</b>
<b>101,661</b>	<b>9,488</b>	<b>147,480</b>	<b>19,622</b>	<b>14,097</b>	<b>Total FX contracts</b>
14,577	1,786	46,122	4,911	2,309	<i>o/w prime brokered</i>
2,222	736	11,709	534	257	<i>o/w retail-driven</i>
...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 4.8

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

## Euro against:

Daily averages, in millions of US dollars

	SEK	TRY	USD	OTH <sup>2</sup>	RES <sup>3</sup>
<b>Options sold</b>	<b>577</b>	<b>611</b>	<b>29,595</b>	<b>120</b>	<b>2,708</b>
with reporting dealers	283	367	14,720	50	1,304
local	25	134	6,078	15	549
cross-border	257	233	8,642	35	756
with other financial institutions	213	193	12,866	30	1,208
local	66	70	6,878	6	699
cross-border	146	124	5,988	24	508
non-reporting banks	116	97	4,486	21	340
institutional investors	47	56	3,666	2	266
hedge funds and PTFs	36	27	4,035	2	536
official sector FI	1	2	72	...	10
others	13	12	560	5	55
undistributed	...	...	47	...	0
with non-financial customers	82	50	2,009	40	196
local	50	39	906	36	72
cross-border	32	12	1,103	4	124
<i>o/w prime brokered</i>	<i>38</i>	<i>73</i>	<i>2,217</i>	<i>2</i>	<i>473</i>
<i>o/w retail-driven</i>	<i>9</i>	<i>4</i>	<i>527</i>	<i>2</i>	<i>17</i>
<b>Options bought</b>	<b>584</b>	<b>685</b>	<b>28,279</b>	<b>123</b>	<b>2,714</b>
with reporting dealers	288	413	14,217	34	1,368
local	41	178	5,801	15	553
cross-border	247	235	8,416	19	815
with other financial institutions	198	172	11,711	45	1,171
local	60	68	5,886	5	730
cross-border	138	104	5,825	39	441
non-reporting banks	107	87	4,144	40	316
institutional investors	48	42	1,942	0	123
hedge funds and PTFs	24	20	3,674	1	560
official sector FI	0	0	234	...	12
others	19	22	1,651	4	160
undistributed	...	...	67	...	0
with non-financial customers	98	101	2,350	44	175
local	80	87	1,121	37	113
cross-border	19	14	1,229	6	62
<i>o/w prime brokered</i>	<i>30</i>	<i>97</i>	<i>2,113</i>	<i>2</i>	<i>478</i>
<i>o/w retail-driven</i>	<i>8</i>	<i>26</i>	<i>626</i>	<i>10</i>	<i>20</i>
<b>Total options</b>	<b>876</b>	<b>906</b>	<b>43,405</b>	<b>201</b>	<b>4,086</b>
<b>Other products</b>	...	...	...	...	...
<b>Total FX contracts</b>	<b>27,642</b>	<b>5,577</b>	<b>1,288,604</b>	<b>11,083</b>	<b>40,492</b>
<i>o/w prime brokered</i>	<i>5,773</i>	<i>609</i>	<i>184,858</i>	<i>175</i>	<i>4,141</i>
<i>o/w retail-driven</i>	<i>536</i>	<i>191</i>	<i>43,320</i>	<i>359</i>	<i>760</i>
<i>o/w related party trade</i>	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 4.9



# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	EUR	NZD
<b>Spot</b>	<b>612,341</b>	<b>25,802</b>	<b>74</b>	<b>2,506</b>	<b>109,310</b>	<b>2,544</b>
with reporting dealers	194,155	7,756	42	949	31,370	756
local	69,068	2,661	12	266	10,525	203
cross-border	125,087	5,096	31	683	20,844	553
with other financial institutions	353,407	14,096	19	1,286	63,524	1,246
local	156,191	5,417	7	649	24,976	407
cross-border	197,216	8,678	12	637	38,548	839
non-reporting banks	136,922	5,044	13	571	22,154	470
institutional investors	107,978	6,442	6	344	22,497	553
hedge funds and PTFs	77,119	1,685	...	290	13,772	144
official sector FI	1,642	62	0	10	194	2
others	23,620	771	0	47	4,511	46
undistributed	6,126	92	0	24	396	31
with non-financial customers	64,779	3,950	13	271	14,416	543
local	50,509	3,450	13	192	11,445	499
cross-border	14,271	500	0	79	2,972	44
<i>o/w prime brokered</i>	<i>207,915</i>	<i>9,413</i>	<i>0</i>	<i>787</i>	<i>42,674</i>	<i>829</i>
<i>o/w retail-driven</i>	<i>36,151</i>	<i>2,837</i>	<i>1</i>	<i>104</i>	<i>9,332</i>	<i>327</i>
<b>Outright forwards</b>	<b>122,686</b>	<b>3,792</b>	<b>1,340</b>	<b>1,242</b>	<b>13,043</b>	<b>781</b>
with reporting dealers	25,208	718	354	217	2,280	130
local	6,102	209	93	65	530	29
cross-border	19,106	510	260	152	1,750	101
with other financial institutions	83,780	2,561	597	913	9,275	594
local	39,812	1,505	330	518	5,681	229
cross-border	43,969	1,056	267	394	3,594	364
non-reporting banks	14,568	595	78	284	1,813	123
institutional investors	40,220	943	4	367	4,943	187
hedge funds and PTFs	16,766	327	2	161	1,311	130
official sector FI	1,110	38	0	12	176	8
others	9,192	657	512	89	1,011	145
undistributed	1,923	1	...	0	21	0
with non-financial customers	13,698	512	389	112	1,489	57
local	9,798	356	384	88	890	46
cross-border	3,900	156	6	24	599	11
Up to 7 days	59,801	1,658	48	390	5,310	311
Over 7 days and up to 1 year	57,302	1,967	1,281	822	7,107	437
Over 1 year	5,583	167	11	30	626	32
<i>o/w prime brokered</i>	<i>19,434</i>	<i>637</i>	<i>1</i>	<i>236</i>	<i>1,983</i>	<i>268</i>
<i>o/w retail-driven</i>	<i>3,064</i>	<i>96</i>	<i>372</i>	<i>13</i>	<i>489</i>	<i>13</i>
<i>o/w non-deliverable forwards</i>	<i>973</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 5.1



# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

TRY	USD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>169</b>	<b>447,859</b>	<b>808</b>	<b>14,423</b>	<b>8,846</b>	<b>Spot</b>
67	146,159	236	3,359	3,460	with reporting dealers
10	52,984	71	1,526	810	local
57	93,175	166	1,833	2,650	cross-border
91	261,487	312	7,404	3,943	with other financial institutions
52	119,285	168	4,116	1,114	local
39	142,201	143	3,288	2,829	cross-border
29	103,707	192	3,163	1,577	non-reporting banks
4	73,439	98	3,073	1,522	institutional investors
1	60,072	2	706	446	hedge funds and PTFs
...	1,293	0	69	13	official sector FI
56	17,442	17	375	354	others
0	5,533	1	17	31	undistributed
11	40,212	259	3,660	1,443	with non-financial customers
6	30,358	251	3,290	1,005	local
5	9,855	8	370	438	cross-border
2	148,274	127	4,186	1,623	<i>o/w prime brokered</i>
7	21,431	135	1,597	379	<i>o/w retail-driven</i>
<b>149</b>	<b>95,557</b>	<b>148</b>	<b>4,093</b>	<b>2,542</b>	<b>Outright forwards</b>
15	20,337	34	411	713	with reporting dealers
1	4,979	3	95	97	local
13	15,357	31	316	616	cross-border
122	65,094	65	3,126	1,434	with other financial institutions
73	28,213	44	2,474	743	local
48	36,881	21	652	691	cross-border
18	10,736	26	488	407	non-reporting banks
15	31,234	19	1,882	626	institutional investors
1	14,359	1	303	170	hedge funds and PTFs
0	702	0	104	71	official sector FI
88	6,168	18	346	158	others
...	1,896	0	3	1	undistributed
12	10,126	49	555	395	with non-financial customers
12	7,280	48	476	218	local
1	2,847	1	78	177	cross-border
28	49,688	84	1,365	919	Up to 7 days
120	41,343	58	2,568	1,598	Over 7 days and up to 1 year
1	4,525	6	159	25	Over 1 year
1	15,633	4	371	300	<i>o/w prime brokered</i>
8	1,867	12	110	86	<i>o/w retail-driven</i>
...	...	...	...	...	<i>o/w non-deliverable forwards</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 5.2

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	EUR	NZD
<b>Foreign exchange swaps</b>	<b>331,876</b>	<b>11,212</b>	<b>4</b>	<b>1,465</b>	<b>20,015</b>	<b>1,556</b>
with reporting dealers	166,553	2,624	4	350	7,039	468
local	53,143	375	...	71	2,206	90
cross-border	113,410	2,250	4	279	4,833	378
with other financial institutions	139,032	6,375	0	684	8,594	560
local	55,866	3,114	0	302	3,964	272
cross-border	83,166	3,261	0	381	4,630	288
non-reporting banks	75,048	1,628	0	226	3,929	181
institutional investors	27,195	2,597	0	337	2,581	214
hedge funds and PTFs	16,415	200	...	24	693	10
official sector FI	4,964	88	...	9	324	25
others	14,498	1,857	...	86	1,048	130
undistributed	911	5	0	1	19	0
with non-financial customers	26,292	2,213	0	432	4,382	529
local	19,862	1,794	0	373	3,555	490
cross-border	6,429	419	...	58	826	39
Up to 7 days	228,948	9,261	0	746	11,049	1,396
Over 7 days and up to 1 year	88,746	1,789	4	708	7,947	158
Over 1 year	14,182	163	...	11	1,019	2
<i>o/w prime brokered</i>	<i>22,633</i>	<i>1,943</i>	<i>...</i>	<i>185</i>	<i>1,090</i>	<i>125</i>
<i>o/w retail-driven</i>	<i>13,362</i>	<i>1,119</i>	<i>...</i>	<i>46</i>	<i>1,579</i>	<i>83</i>
<b>Currency swaps</b>	<b>11,002</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>287</b>	<b>...</b>
with reporting dealers	6,260	5	0	...	131	...
local	2,327	4	0	...	24	...
cross-border	3,933	0	0	...	107	...
with other financial institutions	4,158	7	...	0	88	...
local	714	4	...	...	70	...
cross-border	3,444	2	...	0	18	...
non-reporting banks	1,439	2	...	...	85	...
institutional investors	201	4	...	...	0	...
hedge funds and PTFs	1,210	...	...	...	...	...
official sector FI	5	...	...	...	0	...
others	1,303	1	...	0	3	...
undistributed	...	...	...	...	...	...
with non-financial customers	583	7	...	...	68	...
local	334	4	...	...	41	...
cross-border	250	3	...	...	27	...
<i>o/w prime brokered</i>	<i>32</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>...</i>
<i>o/w retail-driven</i>	<i>72</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>7</i>	<i>...</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations.

Table 5.3

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

TRY	USD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>552</b>	<b>284,515</b>	<b>3,371</b>	<b>5,396</b>	<b>3,790</b>	<b>Foreign exchange swaps</b>
456	150,842	1,102	1,710	1,958	with reporting dealers
6	49,644	20	569	164	local
450	101,198	1,083	1,141	1,794	cross-border
69	117,051	1,450	2,724	1,524	with other financial institutions
46	45,358	610	1,687	512	local
24	71,693	840	1,037	1,012	cross-border
44	67,272	255	779	734	non-reporting banks
10	18,736	959	1,343	419	institutional investors
2	15,285	3	76	123	hedge funds and PTFs
...	4,219	...	218	81	official sector FI
15	10,658	233	305	165	others
0	881	1	2	3	undistributed
26	16,622	819	962	308	with non-financial customers
26	11,725	817	919	163	local
0	4,897	2	42	145	cross-border
520	198,034	3,267	2,956	1,719	<i>Up to 7 days</i>
31	73,697	103	2,270	2,038	<i>Over 7 days and up to 1 year</i>
0	12,783	1	170	33	<i>Over 1 year</i>
12	17,920	593	456	309	<i>o/w prime brokered</i>
14	9,924	219	244	134	<i>o/w retail-driven</i>
<b>0</b>	<b>10,645</b>	<b>0</b>	<b>20</b>	<b>31</b>	<b>Currency swaps</b>
0	6,103	...	6	15	with reporting dealers
...	2,289	...	4	6	local
0	3,815	...	2	9	cross-border
...	4,044	...	8	11	with other financial institutions
...	627	...	8	5	local
...	3,417	...	0	6	cross-border
...	1,347	...	1	5	non-reporting banks
...	189	...	2	6	institutional investors
...	1,210	...	...	...	hedge funds and PTFs
...	5	...	0	0	official sector FI
...	1,294	...	5	0	others
...	...	...	...	...	undistributed
...	497	0	6	5	with non-financial customers
...	278	0	6	5	local
...	219	...	...	0	cross-border
...	32	...	...	...	<i>o/w prime brokered</i>
...	63	...	2	0	<i>o/w retail-driven</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 5.4

# OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	EUR	NZD
<b>Options sold</b>	<b>94,386</b>	<b>3,168</b>	<b>962</b>	<b>223</b>	<b>3,269</b>	<b>139</b>
with reporting dealers	39,026	1,711	936	111	1,929	51
local	16,296	560	13	37	835	15
cross-border	22,730	1,152	923	74	1,093	37
with other financial institutions	51,067	1,243	25	102	1,074	81
local	27,175	566	13	57	527	25
cross-border	23,891	677	13	45	546	57
non-reporting banks	13,658	480	18	37	495	21
institutional investors	17,086	272	1	33	277	32
hedge funds and PTFs	18,670	429	5	30	206	24
official sector FI	332	13	...	...	15	...
others	1,172	50	2	3	80	6
undistributed	149	0	...	...	0	...
with non-financial customers	4,293	213	1	10	266	6
local	1,423	21	1	8	88	2
cross-border	2,869	192	...	3	179	4
<i>o/w prime brokered</i>	<i>15,289</i>	<i>168</i>	<i>...</i>	<i>26</i>	<i>187</i>	<i>34</i>
<i>o/w retail-driven</i>	<i>911</i>	<i>40</i>	<i>...</i>	<i>3</i>	<i>132</i>	<i>1</i>
<b>Options bought</b>	<b>98,506</b>	<b>3,268</b>	<b>1,522</b>	<b>217</b>	<b>3,481</b>	<b>188</b>
with reporting dealers	40,068	1,968	1,498	111	1,922	70
local	16,342	591	19	50	806	28
cross-border	23,726	1,377	1,479	61	1,116	42
with other financial institutions	53,689	1,108	23	91	1,146	99
local	27,854	562	11	37	529	18
cross-border	25,835	546	12	54	617	81
non-reporting banks	14,981	495	11	29	505	17
institutional investors	14,738	202	1	12	176	23
hedge funds and PTFs	18,319	274	5	27	214	40
official sector FI	307	10	...	...	23	...
others	5,227	128	6	23	228	19
undistributed	117	...	...	...	0	...
with non-financial customers	4,749	192	1	15	413	19
local	1,901	51	1	9	140	3
cross-border	2,847	141	...	6	273	17
<i>o/w prime brokered</i>	<i>15,472</i>	<i>156</i>	<i>1</i>	<i>23</i>	<i>189</i>	<i>34</i>
<i>o/w retail-driven</i>	<i>1,116</i>	<i>43</i>	<i>...</i>	<i>5</i>	<i>171</i>	<i>3</i>
<b>Total options</b>	<b>153,344</b>	<b>4,596</b>	<b>1,268</b>	<b>329</b>	<b>4,825</b>	<b>266</b>
<b>Other products</b>	...	...	...	...	...	...
<b>Total FX contracts</b>	<b>1,231,249</b>	<b>45,420</b>	<b>2,687</b>	<b>5,543</b>	<b>147,480</b>	<b>5,148</b>
<i>o/w prime brokered</i>	<i>280,775</i>	<i>12,317</i>	<i>3</i>	<i>1,256</i>	<i>46,122</i>	<i>1,290</i>
<i>o/w retail-driven</i>	<i>54,677</i>	<i>4,135</i>	<i>373</i>	<i>171</i>	<i>11,709</i>	<i>427</i>
<i>o/w related party trade</i>	...	...	...	...	...	...

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations.

Table 5.5

**OTC foreign exchange turnover by instrument, counterparty and currency in April 2013, "net-net" basis<sup>1</sup>**

**Yen against:**

Daily averages, in millions of US dollars

TRY	USD	ZAR	OTH <sup>2</sup>	RES <sup>3</sup>	
<b>29</b>	<b>85,161</b>	<b>23</b>	<b>326</b>	<b>1,085</b>	<b>Options sold</b>
15	33,669	17	153	434	with reporting dealers
7	14,630	3	85	111	local
8	19,039	14	68	323	cross-border
13	47,809	6	159	555	with other financial institutions
3	25,808	0	25	153	local
10	22,002	5	134	402	cross-border
6	12,406	5	35	155	non-reporting banks
3	16,304	1	74	91	institutional investors
2	17,671	...	33	271	hedge funds and PTFs
...	302	0	0	2	official sector FI
2	978	...	17	34	others
...	148	...	...	0	undistributed
1	3,682	0	15	97	with non-financial customers
1	1,272	0	11	19	local
0	2,410	...	4	77	cross-border
5	14,694	1	70	105	<i>o/w prime brokered</i>
0	686	0	7	43	<i>o/w retail-driven</i>
<b>32</b>	<b>87,766</b>	<b>85</b>	<b>380</b>	<b>1,566</b>	<b>Options bought</b>
8	33,519	15	207	750	with reporting dealers
4	14,488	3	115	239	local
4	19,031	12	92	511	cross-border
19	50,392	67	140	605	with other financial institutions
3	26,435	1	28	231	local
15	23,957	67	113	374	cross-border
7	13,736	1	27	153	non-reporting banks
7	14,216	...	27	74	institutional investors
1	17,380	57	33	288	hedge funds and PTFs
...	269	...	0	6	official sector FI
4	4,674	9	53	84	others
...	117	...	...	0	undistributed
6	3,856	3	32	212	with non-financial customers
1	1,513	1	26	157	local
4	2,343	2	6	55	cross-border
7	14,898	1	71	93	<i>o/w prime brokered</i>
1	786	1	16	91	<i>o/w retail-driven</i>
<b>49</b>	<b>139,333</b>	<b>92</b>	<b>526</b>	<b>2,059</b>	<b>Total options</b>
...	...	...	...	...	<b>Other products</b>
<b>919</b>	<b>977,908</b>	<b>4,419</b>	<b>24,458</b>	<b>17,267</b>	<b>Total FX contracts</b>
27	211,451	726	5,154	2,429	<i>o/w prime brokered</i>
29	34,758	367	1,975	734	<i>o/w retail-driven</i>
...	...	...	...	...	<i>o/w related party trade</i>

<sup>1</sup> Adjusted for local and cross-border inter-dealer double-counting. Due to incomplete reporting, the maturity breakdown does not always sum to totals. Due to incomplete counterparty breakdown, components do not always sum to totals. 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. See annex for abbreviations. <sup>2</sup> Includes all participating countries' currencies other than the ones listed. <sup>3</sup> Difference between total and listed components.

Table 5.6

## OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Daily averages, in millions of US dollars

	TOT	Specified currency against all other currencies <sup>2</sup>					
		AUD	BRL	CAD	CHF	CNY	DKK
Argentina	1,360	0	7	3	1	0	0
Australia	181,709	91,344	53	5,629	4,893	924	381
Austria	17,393	128	1	136	2,245	3	36
Bahrain	9,457	36	3	4	11	...	3
Belgium	21,597	1,088	23	315	1,269	132	1,237
Brazil	17,203	102	12,669	113	40	8	10
Bulgaria	1,613	0	...	1	26	...	0
Canada	64,841	2,396	772	39,459	988	43	180
Chile	11,956	18	10	9	25	1	0
China	44,251	1,360	4	471	70	33,519	1
Chinese Taipei	26,076	3,819	9	474	76	2,573	0
Colombia	3,343	0	1	12	1	...	...
Czech Republic	4,912	9	...	12	15	0	1
Denmark	102,781	3,148	9	1,445	3,692	28	19,843
Estonia	95	0	...	0	0	...	0
Finland	14,884	216	1	161	2,512	10	3,156
France	189,878	10,851	605	6,243	14,659	1,194	2,082
Germany	110,882	4,360	218	2,949	10,777	493	989
Greece	2,529	231	...	65	404	...	0
Hong Kong SAR	274,605	24,180	76	6,322	3,920	49,471	341
Hungary	3,854	12	...	12	254	...	...
India	31,276	431	2	161	150	1	6
Indonesia	5,011	302	...	10	11	1	0
Ireland	11,393	481	6	550	499	9	114
Israel	7,859	2	...	3	2	...	...
Italy	23,694	397	26	345	1,243	7	125
Japan	374,215	34,772	790	6,006	5,444	676	824
Korea	47,520	580	1	317	80	199	2
Latvia	2,034	23	...	2	22	...	0
Lithuania	528	1	...	0	1	0	2
Luxembourg	51,157	3,633	2,733	841	6,227	369	532
Malaysia	11,095	500	...	28	29	146	1
Mexico	32,112	1	157	20	5	0	0
Netherlands	112,268	8,256	649	6,692	8,402	393	1,463
New Zealand	11,773	1,620	1	137	58	0	1
Norway	21,475	660	7	221	1,407	1	629
Peru	2,171	0	4	3	0	...	...
Philippines	3,733	60	0	12	8	1	0
Poland	7,564	3	...	7	433	0	8
Portugal	3,569	64	34	79	221	13	25
Romania	3,354	1	...	9	176	...	1
Russia	60,725	229	...	357	760	20	1
Saudi Arabia	4,967	46	0	6	19	1	0
Singapore	383,075	45,935	129	9,565	12,924	23,863	708
Slovakia	838	33	...	7	30	0	2
South Africa	20,946	366	...	110	158	4	5
Spain	43,034	1,403	1,303	467	1,048	105	154
Sweden	43,594	1,054	4	423	1,388	10	827
Switzerland	216,394	10,000	188	5,686	62,555	286	1,646
Thailand	12,784	160	...	26	24	155	2
Turkey	27,277	175	...	23	575	11	5
United Kingdom	2,725,993	225,344	18,857	103,364	137,031	24,279	18,900
United States	1,262,799	104,547	30,671	104,726	61,840	8,620	3,155
<b>Total</b>	<b>6,671,446</b>	<b>584,376</b>	<b>70,023</b>	<b>304,038</b>	<b>348,650</b>	<b>147,570</b>	<b>57,400</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

<sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 6.1

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>							
EUR	GBP	HKD	HUF	INR	JPY	KRW	
144	1	...	...	...	2	...	Argentina
26,571	13,406	2,899	33	115	26,219	275	Australia
13,742	1,059	17	420	2	823	1	Austria
985	612	0	...	43	192	...	Bahrain
11,875	3,568	114	415	3	1,213	5	Belgium
3,258	190	147	5	...	1,019	0	Brazil
1,569	24	...	2	...	16	...	Bulgaria
11,183	5,063	152	6	42	4,011	60	Canada
1,136	38	13	...	...	102	...	Chile
5,680	705	1,694	...	...	3,296	5	China
3,975	839	343	0	24	3,863	77	Chinese Taipei
189	4	...	...	...	14	...	Colombia
3,144	57	0	63	...	20	2	Czech Republic
56,001	7,741	270	214	20	15,302	30	Denmark
90	23	...	1	...	4	...	Estonia
10,459	1,353	20	3	4	407	12	Finland
106,782	27,815	1,312	826	311	24,079	482	France
65,593	15,892	1,064	1,313	142	12,226	145	Germany
2,305	100	0	1	...	141	...	Greece
38,070	16,695	49,911	14	3,647	50,556	8,023	Hong Kong SAR
1,977	60	...	2,730	...	25	...	Hungary
3,043	1,382	11	0	25,644	1,412	1	India
595	182	207	...	0	1,584	0	Indonesia
7,537	2,903	81	15	12	885	2	Ireland
250	22	...	...	...	18	...	Israel
19,967	2,112	111	1,024	8	3,263	6	Italy
73,326	23,126	1,561	14	556	282,449	809	Japan
3,300	492	302	1	6	2,624	39,933	Korea
1,357	184	0	0	...	88	...	Latvia
501	10	0	0	0	1	...	Lithuania
31,276	3,580	350	132	87	6,853	93	Luxembourg
675	387	75	...	2	459	30	Malaysia
807	36	0	...	0	56	...	Mexico
54,567	16,575	2,069	206	199	12,928	544	Netherlands
962	347	26	0	1	572	0	New Zealand
6,235	2,502	13	4	0	1,316	2	Norway
67	5	0	...	...	7	...	Peru
266	54	14	...	...	380	2	Philippines
3,732	184	0	162	0	92	...	Poland
2,927	162	12	1	...	208	2	Portugal
3,084	64	0	30	...	8	...	Romania
13,275	1,146	1	116	0	898	2	Russia
960	354	3	...	19	558	...	Saudi Arabia
77,089	28,915	10,046	61	16,202	97,315	13,730	Singapore
693	69	0	18	...	71	...	Slovakia
3,202	1,101	1	12	1	325	...	South Africa
31,816	2,752	198	98	8	1,763	49	Spain
20,505	4,546	44	46	0	2,221	3	Sweden
96,710	22,994	935	346	265	25,052	244	Switzerland
838	232	76	...	1	1,459	3	Thailand
8,898	681	...	31	0	658	...	Turkey
1,009,345	424,918	21,624	15,603	9,103	627,312	8,313	United Kingdom
395,495	134,812	7,971	3,293	5,478	299,647	5,513	United States
<b>2,238,028</b>	<b>772,070</b>	<b>103,689</b>	<b>27,261</b>	<b>61,948</b>	<b>1,516,012</b>	<b>78,397</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations. <sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 6.2

## OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Daily averages, in millions of US dollars

	Specified currency against all other currencies <sup>2</sup>						
	MXN	NOK	NZD	PLN	RUB	SEK	SGD
Argentina	0	0	0	...	...	0	...
Australia	386	622	19,653	83	20	1,145	3,079
Austria	13	107	22	672	133	130	11
Bahrain	...	0	1	...	0	1	0
Belgium	113	901	171	880	314	306	223
Brazil	538	9	1	1	...	8	8
Bulgaria	...	2	...	1	4	0	...
Canada	2,026	264	318	28	26	933	92
Chile	47	1	0	...	...	1	...
China	...	7	28	...	12	31	101
Chinese Taipei	4	7	490	7	37	18	155
Colombia	14	...	0	...	...	0	...
Czech Republic	...	3	0	173	25	8	0
Denmark	187	7,540	479	871	389	10,370	111
Estonia	...	2	...	6	10	3	...
Finland	44	178	21	47	423	2,181	16
France	2,300	2,476	1,446	1,412	1,036	4,255	1,156
Germany	329	2,074	759	1,499	1,079	1,849	583
Greece	...	35	3	7	8	28	0
Hong Kong SAR	218	661	6,595	90	39	478	12,703
Hungary	...	4	...	68	27	4	...
India	2	3	50	0	3	16	240
Indonesia	...	0	17	...	...	0	90
Ireland	131	182	53	59	12	255	117
Israel	...	...	...	...	...	2	...
Italy	69	130	45	373	145	185	29
Japan	1,548	800	5,475	631	930	925	1,372
Korea	4	19	47	11	64	32	162
Latvia	...	1	0	2	459	2	0
Lithuania	0	5	0	7	11	3	0
Luxembourg	422	1,121	299	387	422	1,104	512
Malaysia	...	1	28	...	...	1	385
Mexico	31,085	0	0	0	...	0	0
Netherlands	2,080	2,681	1,762	1,477	1,951	2,761	1,125
New Zealand	6	5	9,079	2	...	18	56
Norway	1	11,141	51	173	22	2,010	102
Peru	3	...	...	...	...	...	...
Philippines	...	...	2	...	1	0	31
Poland	0	23	0	5,446	37	16	0
Portugal	67	59	4	16	6	31	2
Romania	...	4	...	14	0	3	...
Russia	...	17	44	2	48,139	31	1
Saudi Arabia	...	6	10	...	...	9	1
Singapore	1,569	1,423	9,654	265	101	2,224	32,884
Slovakia	...	6	0	95	4	2	...
South Africa	4	13	79	5	2	53	2
Spain	2,447	381	67	437	35	133	17
Sweden	76	4,907	117	286	155	17,116	312
Switzerland	517	5,396	1,998	1,559	2,362	3,490	1,412
Thailand	0	2	30	...	0	6	134
Turkey	...	9	0	27	35	13	88
United Kingdom	41,968	40,526	45,155	23,868	35,079	49,325	25,047
United States	71,810	16,803	29,568	6,026	7,083	20,218	14,910
<b>Total</b>	<b>160,028</b>	<b>100,556</b>	<b>133,622</b>	<b>47,015</b>	<b>100,640</b>	<b>121,733</b>	<b>97,271</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

<sup>2</sup> Because two currencies are involved in each transaction, the sum of transactions in individual currencies comes to twice the total reported turnover.

Table 6.3



# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Daily averages, in millions of US dollars

Specified currency against all other currencies <sup>2</sup>						
TRY	TWD	USD	ZAR	OTH <sup>3</sup>	RES <sup>4</sup>	
...	...	1,284	0	1,276	1	Argentina
156	54	164,332	200	511	435	Australia
407	0	10,896	26	1,259	2,499	Austria
599	...	8,757	0	469	7,199	Bahrain
75	3	18,222	52	643	34	Belgium
8	...	15,904	3	342	21	Brazil
3	...	296	...	1,283	0	Bulgaria
48	70	59,668	61	1,725	67	Canada
...	...	11,721	1	10,789	0	Chile
...	1	41,448	1	5	61	China
1	11,178	23,465	469	135	115	Chinese Taipei
...	...	3,337	...	3,114	0	Colombia
5	0	2,927	0	3,333	25	Czech Republic
486	13	76,575	384	368	47	Denmark
0	...	48	...	3	0	Estonia
3	0	8,301	58	58	126	Finland
1,071	335	162,172	1,108	2,323	1,425	France
1,303	75	88,176	942	2,170	4,764	Germany
24	...	1,552	1	122	28	Greece
93	4,655	263,985	711	6,650	1,106	Hong Kong SAR
5	...	2,479	...	50	1	Hungary
4	0	29,801	14	8	167	India
...	1	3,847	...	2,934	239	Indonesia
23	0	8,639	39	31	150	Ireland
...	...	7,557	...	3,825	4,038	Israel
174	0	16,261	109	269	964	Italy
2,178	137	297,258	5,616	999	207	Japan
16	12	46,687	15	61	74	Korea
...	...	1,866	0	62	1	Latvia
0	...	80	0	432	0	Lithuania
687	50	36,697	916	802	2,188	Luxembourg
...	0	9,751	0	9,592	100	Malaysia
...	0	31,796	0	229	32	Mexico
372	587	92,419	1,364	1,896	1,115	Netherlands
0	...	10,647	2	3	2	New Zealand
2	...	16,395	7	48	2	Norway
...	...	2,168	...	2,085	0	Peru
...	0	3,667	...	2,816	150	Philippines
80	...	4,709	0	195	0	Poland
14	...	3,168	10	11	2	Portugal
4	...	1,095	0	2,214	0	Romania
29	...	56,301	8	4	68	Russia
0	...	4,356	6	2,576	1,003	Saudi Arabia
593	5,604	350,589	1,302	19,760	3,697	Singapore
15	...	564	1	66	1	Slovakia
33	12	20,090	15,956	15	345	South Africa
38	14	36,378	33	724	4,201	Spain
79	2	32,337	115	533	81	Sweden
2,354	43	181,523	1,359	1,820	2,048	Switzerland
3	0	11,999	0	10,403	13	Thailand
17,596	...	23,276	45	6	2,401	Turkey
48,114	3,694	2,397,464	32,095	39,499	26,157	United Kingdom
9,168	2,417	1,119,694	12,415	13,071	36,647	United States
<b>85,868</b>	<b>28,960</b>	<b>5,824,625</b>	<b>75,444</b>	<b>153,617</b>	<b>104,047</b>	<b>Total</b>

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

Table 6.4

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	CHF	CNY
Argentina	1,284	0	0	1	0	0
Australia	164,332	80,511	44	4,068	1,543	550
Austria	10,896	90	0	86	1,075	1
Bahrain	8,757	19	3	4	10	...
Belgium	18,222	963	18	210	1,044	124
Brazil	15,904	101	11,384	100	32	6
Bulgaria	296	0	...	1	0	...
Canada	59,668	1,843	758	35,155	861	39
Chile	11,721	18	10	7	14	0
China	41,448	1,145	4	380	57	30,866
Chinese Taipei	23,465	2,069	9	401	49	2,521
Colombia	3,337	0	1	12	1	...
Czech Republic	2,927	8	...	8	4	0
Denmark	76,575	2,314	7	1,020	2,464	24
Estonia	48	0	...	0	0	...
Finland	8,301	170	0	125	2,469	7
France	162,172	8,998	470	5,262	11,197	1,149
Germany	88,176	3,084	128	2,092	4,555	338
Greece	1,552	39	...	7	44	...
Hong Kong SAR	263,985	20,812	70	5,675	3,454	48,623
Hungary	2,479	10	...	12	116	...
India	29,801	279	2	148	31	0
Indonesia	3,847	250	...	5	7	1
Ireland	8,639	325	5	346	329	8
Israel	7,557	...	...	...	...	...
Italy	16,261	127	1	113	354	2
Japan	297,258	18,114	572	3,581	3,610	362
Korea	46,687	540	0	295	73	189
Latvia	1,866	9	...	0	20	...
Lithuania	80	1	...	0	0	...
Luxembourg	36,697	2,576	2,001	462	2,177	357
Malaysia	9,751	376	...	27	18	143
Mexico	31,796	0	123	13	3	0
Netherlands	92,419	6,346	630	4,356	4,514	389
New Zealand	10,647	931	0	107	50	0
Norway	16,395	611	7	189	1,184	1
Peru	2,168	0	4	3	0	...
Philippines	3,667	57	0	12	6	1
Poland	4,709	2	...	3	135	0
Portugal	3,168	42	18	52	124	13
Romania	1,095	1	...	2	44	...
Russia	56,301	182	...	341	513	20
Saudi Arabia	4,356	33	0	3	12	1
Singapore	350,589	37,190	127	6,320	9,925	23,367
Slovakia	564	10	...	4	22	...
South Africa	20,090	339	...	104	133	3
Spain	36,378	1,348	1,231	385	796	104
Sweden	32,337	727	3	350	1,062	10
Switzerland	181,523	8,119	173	3,416	44,637	212
Thailand	11,999	124	...	24	15	93
Turkey	23,276	167	...	21	348	11
United Kingdom	2,397,464	181,791	12,071	85,787	93,557	22,231
United States	1,119,694	82,392	26,828	88,449	42,587	8,259
<b>Total</b>	<b>5,824,625</b>	<b>465,201</b>	<b>56,703</b>	<b>249,544</b>	<b>235,279</b>	<b>140,027</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 7.1

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

EUR	GBP	HKD	INR	JPY	KRW	
79	0	...	...	1	...	Argentina
20,613	8,975	2,251	92	20,851	163	Australia
7,504	385	13	1	302	0	Austria
496	528	0	43	138	...	Bahrain
8,702	2,381	80	3	1,033	4	Belgium
2,458	141	147	...	627	...	Brazil
253	14	...	...	0	...	Bulgaria
8,729	3,837	127	41	3,183	55	Canada
925	34	12	...	100	...	Chile
4,988	587	1,203	...	2,067	3	China
3,292	642	293	24	3,298	77	Chinese Taipei
184	4	...	...	14	...	Colombia
1,197	28	0	...	7	...	Czech Republic
33,439	4,329	218	19	10,224	29	Denmark
44	1	...	...	0	...	Estonia
3,932	918	15	0	192	12	Finland
81,285	17,623	971	184	17,845	294	France
46,207	9,093	854	83	8,970	104	Germany
1,360	53	0	...	23	...	Greece
32,992	14,959	47,289	3,481	45,665	7,995	Hong Kong SAR
632	41	...	...	17	...	Hungary
1,888	919	9	25,171	900	1	India
363	146	205	0	656	0	Indonesia
5,090	1,426	59	12	477	2	Ireland
...	...	...	...	...	...	Israel
13,316	683	73	1	464	3	Italy
33,686	12,037	1,082	536	211,358	652	Japan
2,930	389	246	6	2,410	39,142	Korea
1,228	133	0	...	44	...	Latvia
65	0	0	...	0	...	Lithuania
20,340	1,127	186	81	2,591	87	Luxembourg
372	278	62	1	319	30	Malaysia
555	23	...	0	13	...	Mexico
39,381	10,086	1,288	191	9,499	477	Netherlands
783	226	21	1	462	0	New Zealand
2,531	2,252	4	0	725	0	Norway
64	4	0	...	7	...	Peru
220	50	14	...	346	2	Philippines
1,168	80	...	0	56	...	Poland
2,558	82	11	...	116	2	Portugal
860	11	...	...	2	...	Romania
9,006	1,003	1	0	698	1	Russia
663	308	3	17	268	...	Saudi Arabia
61,090	22,828	8,770	15,972	81,808	12,849	Singapore
439	24	...	...	9	...	Slovakia
2,694	959	1	1	208	...	South Africa
25,703	1,610	185	8	924	49	Spain
10,911	3,894	33	0	1,164	2	Sweden
68,650	17,076	755	254	18,104	204	Switzerland
585	209	48	1	1,064	2	Thailand
5,262	554	...	0	375	...	Turkey
758,339	328,575	18,779	7,170	516,411	6,530	United Kingdom
298,547	106,828	7,376	5,244	244,451	5,228	United States
<b>1,628,598</b>	<b>578,390</b>	<b>92,683</b>	<b>58,641</b>	<b>1,210,488</b>	<b>73,998</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 7.2

## OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

	MXN	NOK	NZD	PLN	RUB	SEK
Argentina	...	0	0	...	...	0
Australia	283	412	16,958	65	19	858
Austria	5	42	11	483	102	38
Bahrain	...	0	0	...	...	1
Belgium	100	729	157	610	243	164
Brazil	530	3	1	...	...	4
Bulgaria	...	1	...	...	2	0
Canada	2,011	175	267	18	25	485
Chile	47	1	0	...	...	1
China	...	2	28	...	10	28
Chinese Taipei	4	7	373	7	37	16
Colombia	14	...	0	...	...	0
Czech Republic	...	1	0	76	23	2
Denmark	146	4,949	346	558	332	4,879
Estonia	...	1	...	2	1	0
Finland	42	16	11	9	215	65
France	2,004	1,591	1,207	794	866	3,031
Germany	283	1,432	480	672	706	1,060
Greece	...	0	1	0	7	0
Hong Kong SAR	207	583	5,913	55	39	410
Hungary	...	3	...	39	21	2
India	2	2	39	0	2	14
Indonesia	...	0	15	...	...	0
Ireland	123	76	28	24	5	77
Israel	...	...	...	...	...	...
Italy	34	76	26	222	125	109
Japan	896	441	2,926	211	847	408
Korea	3	19	44	10	52	17
Latvia	...	0	0	1	147	0
Lithuania	...	0	0	0	1	0
Luxembourg	374	361	152	218	398	584
Malaysia	...	1	22	...	...	0
Mexico	30,806	0	0	...	...	0
Netherlands	1,862	1,466	1,111	847	1,790	1,709
New Zealand	4	3	7,994	2	...	17
Norway	1	7,344	39	95	16	842
Peru	3	...	...	...	...	...
Philippines	...	...	2	...	1	...
Poland	0	9	...	2,873	31	4
Portugal	64	36	2	11	2	7
Romania	...	0	...	2	0	0
Russia	...	13	42	0	44,302	17
Saudi Arabia	...	6	2	...	...	6
Singapore	800	817	7,808	174	96	1,192
Slovakia	...	4	0	30	4	1
South Africa	4	13	72	2	2	46
Spain	2,270	336	66	267	13	92
Sweden	74	3,227	91	123	108	9,644
Switzerland	439	4,048	1,570	961	2,276	2,218
Thailand	...	2	29	...	0	4
Turkey	...	7	0	6	35	9
United Kingdom	39,680	26,900	35,908	14,718	33,117	32,514
United States	67,765	10,902	22,402	3,823	6,821	12,009
<b>Total</b>	<b>150,881</b>	<b>66,055</b>	<b>106,144</b>	<b>28,008</b>	<b>92,836</b>	<b>72,585</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 7.3

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

US dollar against:

Daily averages, in millions of US dollars

SGD	TRY	TWD	ZAR	LOC	RES <sup>2</sup>	
...	...	...	0	1,201	1	Argentina
2,155	148	43	175	...	3,555	Australia
8	320	0	18	...	411	Austria
0	550	...	0	133	6,833	Bahrain
99	57	3	45	...	1,451	Belgium
8	8	...	3	...	351	Brazil
...	0	...	...	22	3	Bulgaria
67	44	42	57	...	1,850	Canada
...	...	...	1	10,546	6	Chile
77	...	...	1	...	3	China
147	1	9,537	433	...	227	Chinese Taipei
...	...	...	...	3,107	1	Colombia
0	2	...	0	1,545	26	Czech Republic
88	430	13	352	9,997	397	Denmark
...	0	...	...	...	0	Estonia
4	1	0	56	...	42	Finland
991	875	300	1,021	...	4,215	France
344	940	67	621	...	6,062	Germany
0	18	...	0	...	1	Greece
12,226	85	4,647	702	...	8,103	Hong Kong SAR
...	3	...	...	1,577	8	Hungary
204	4	0	12	...	175	India
64	...	0	...	2,023	111	Indonesia
101	22	0	32	...	71	Ireland
...	...	...	...	3,523	4,034	Israel
20	117	0	75	...	322	Italy
963	1,138	122	2,519	...	1,198	Japan
146	11	12	9	...	142	Korea
...	...	...	...	5	279	Latvia
0	...	...	...	11	1	Lithuania
345	468	38	820	...	954	Luxembourg
286	...	0	0	7,709	107	Malaysia
...	...	0	...	...	259	Mexico
824	254	587	1,302	...	3,509	Netherlands
38	...	...	2	...	4	New Zealand
98	2	...	5	...	451	Norway
...	...	...	...	2,074	8	Peru
29	...	0	...	2,788	138	Philippines
0	46	...	0	...	301	Poland
2	11	...	8	...	9	Portugal
...	0	...	0	169	4	Romania
1	29	...	8	...	123	Russia
1	0	...	5	2,456	574	Saudi Arabia
30,404	511	5,550	702	...	22,288	Singapore
...	6	...	1	...	10	Slovakia
1	33	12	15,253	...	209	South Africa
16	34	14	23	...	903	Spain
303	73	1	89	...	449	Sweden
1,189	2,085	41	1,183	...	3,915	Switzerland
86	3	0	0	9,697	12	Thailand
88	14,662	...	44	...	1,686	Turkey
21,344	44,996	2,762	27,923	...	86,361	United Kingdom
12,468	8,237	2,249	11,636	...	45,194	United States
<b>85,236</b>	<b>76,223</b>	<b>26,040</b>	<b>65,138</b>	<b>58,581</b>	<b>207,347</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations. <sup>2</sup> Difference between total and listed components.

Table 7.4

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

	TOT	AUD	CAD	CHF	CNY	DKK
Argentina	144	...	...	...	...	...
Australia	26,571	2,516	192	192	0	40
Austria	13,742	27	37	1,056	1	24
Bahrain	985	14	0	1	...	3
Belgium	11,875	105	88	220	8	140
Brazil	3,258	...	...	0	...	...
Bulgaria	1,569	0	0	26	...	0
Canada	11,183	107	1,728	49	...	6
Chile	1,136	...	0	0	...	...
China	5,680	15	13	1	565	0
Chinese Taipei	3,975	140	5	21	5	...
Colombia	189	...	...	...	...	...
Czech Republic	3,144	0	1	6	...	0
Denmark	56,001	275	226	882	1	8,312
Estonia	90	0	0	0	...	0
Finland	10,459	45	35	43	3	3,140
France	106,782	947	676	3,105	39	463
Germany	65,593	633	534	5,487	148	300
Greece	2,305	190	56	360	...	0
Hong Kong SAR	38,070	347	42	313	189	14
Hungary	1,977	2	0	120	...	...
India	3,043	91	6	106	0	0
Indonesia	595	5	3	0	...	...
Ireland	7,537	83	122	166	0	72
Israel	250	...	...	...	...	...
Italy	19,967	255	226	822	5	23
Japan	73,326	611	451	581	...	34
Korea	3,300	2	0	2	2	...
Latvia	1,357	14	2	2	...	0
Lithuania	501	1	0	1	0	1
Luxembourg	31,276	569	356	2,476	12	207
Malaysia	675	39	0	8	...	...
Mexico	807	...	...	...	...	...
Netherlands	54,567	641	1,169	2,650	2	233
New Zealand	962	12	0	3	...	0
Norway	6,235	6	3	136	0	86
Peru	67	...	...	...	...	...
Philippines	266	0	0	2	...	0
Poland	3,732	0	2	95	...	3
Portugal	2,927	17	23	90	...	25
Romania	3,084	0	6	114	...	0
Russia	13,275	15	4	224	...	0
Saudi Arabia	960	3	3	5	...	...
Singapore	77,089	1,920	693	1,588	99	213
Slovakia	693	11	2	7	0	0
South Africa	3,202	2	4	1	...	0
Spain	31,816	31	79	252	1	90
Sweden	20,505	109	23	233	0	368
Switzerland	96,710	598	546	14,162	10	214
Thailand	838	1	...	0	1	0
Turkey	8,898	1	1	93	...	0
United Kingdom	1,009,345	10,786	6,648	36,181	287	2,705
United States	395,495	4,721	4,426	14,205	5	1,164
<b>Total</b>	<b>2,238,028</b>	<b>25,909</b>	<b>18,432</b>	<b>86,087</b>	<b>1,384</b>	<b>17,881</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 8.1

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Euro against:

Daily averages, in millions of US dollars

GBP	HUF	JPY	NOK	PLN	
...	...	...	...	...	Argentina
741	10	1,329	30	11	Australia
625	190	363	45	185	Austria
67	...	23	...	...	Bahrain
1,149	164	155	118	264	Belgium
0	3	0	1	1	Brazil
9	2	16	1	1	Bulgaria
267	3	149	57	7	Canada
0	...	0	...	...	Chile
42	...	54	...	...	China
79	...	335	...	0	Chinese Taipei
...	...	...	...	...	Colombia
22	57	9	1	79	Czech Republic
1,941	72	4,215	1,672	248	Denmark
22	1	3	1	4	Estonia
414	1	198	134	36	Finland
9,150	280	5,046	791	584	France
5,333	336	2,052	421	639	Germany
42	1	115	17	7	Greece
588	4	2,424	57	10	Hong Kong SAR
13	1,124	8	0	27	Hungary
323	0	390	0	...	India
0	...	72	...	...	Indonesia
1,293	8	298	51	32	Ireland
...	...	...	...	...	Israel
1,384	931	2,075	40	143	Italy
1,317	4	35,908	104	96	Japan
0	...	32	0	...	Korea
14	0	7	0	1	Latvia
8	0	0	3	4	Lithuania
2,196	87	1,135	680	152	Luxembourg
76	...	71	...	...	Malaysia
...	...	2	...	...	Mexico
4,465	113	2,446	902	612	Netherlands
8	...	8	1	0	New Zealand
83	1	461	2,657	72	Norway
...	...	...	...	...	Peru
1	...	23	...	...	Philippines
73	14	34	9	2,283	Poland
68	1	84	12	4	Portugal
48	19	6	3	10	Romania
95	...	142	3	0	Russia
10	...	23	...	...	Saudi Arabia
1,948	16	7,195	188	80	Singapore
37	13	43	2	65	Slovakia
26	9	5	0	2	South Africa
1,131	15	314	45	170	Spain
300	23	663	1,061	146	Sweden
3,279	206	5,231	877	538	Switzerland
0	...	65	...	...	Thailand
81	25	158	2	21	Turkey
67,088	5,756	68,366	9,571	8,760	United Kingdom
17,199	1,689	34,368	4,206	1,977	United States
<b>123,055</b>	<b>11,174</b>	<b>176,119</b>	<b>23,764</b>	<b>17,270</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 8.2

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

## Euro against:

Daily averages, in millions of US dollars

	SEK	TRY	USD	LOC	RES <sup>2</sup>
Argentina	...	...	79	64	...
Australia	78	3	20,613	...	817
Austria	35	86	7,504	...	3,563
Bahrain	0	47	496	1	332
Belgium	116	17	8,702	...	628
Brazil	...	...	2,458	789	6
Bulgaria	0	3	253	1,255	3
Canada	69	1	8,729	...	10
Chile	0	...	925	211	0
China	0	...	4,988	...	2
Chinese Taipei	0	...	3,292	85	13
Colombia	...	...	184	5	0
Czech Republic	3	2	1,197	1,693	74
Denmark	4,450	34	33,439	...	234
Estonia	3	0	44	...	11
Finland	2,075	2	3,932	...	400
France	1,083	173	81,285	...	3,160
Germany	598	185	46,207	...	2,720
Greece	9	6	1,360	...	141
Hong Kong SAR	45	7	32,992	793	245
Hungary	2	2	632	...	46
India	1	...	1,888	234	4
Indonesia	0	...	363	28	124
Ireland	124	1	5,090	...	197
Israel	...	...	...	250	...
Italy	69	45	13,316	...	635
Japan	188	12	33,686	...	334
Korea	0	...	2,930	329	1
Latvia	1	...	1,228	54	35
Lithuania	2	0	65	404	11
Luxembourg	467	70	20,340	...	2,530
Malaysia	...	...	372	79	31
Mexico	...	...	555	215	36
Netherlands	818	118	39,381	...	1,018
New Zealand	0	...	783	147	0
Norway	156	0	2,531	...	43
Peru	...	...	64	3	0
Philippines	...	...	220	10	11
Poland	8	14	1,168	...	29
Portugal	13	4	2,558	...	27
Romania	3	4	860	2,008	2
Russia	9	...	9,006	3,770	6
Saudi Arabia	2	...	663	16	235
Singapore	188	17	61,090	356	1,497
Slovakia	1	8	439	...	64
South Africa	1	...	2,694	452	7
Spain	40	4	25,703	...	3,941
Sweden	6,166	2	10,911	...	499
Switzerland	867	233	68,650	...	1,299
Thailand	...	...	585	186	0
Turkey	3	2,691	5,262	...	559
United Kingdom	11,810	2,418	758,339	...	20,631
United States	5,422	498	298,547	...	7,070
<b>Total</b>	<b>34,927</b>	<b>6,707</b>	<b>1,628,598</b>	<b>13,438</b>	<b>53,282</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations. <sup>2</sup> Difference between total and listed components.

Table 8.3





## OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

	TOT	AUD	BRL	CAD	EUR	NZD
Argentina	2	...	...	...	...	...
Australia	26,219	2,850	...	221	1,329	331
Austria	823	5	...	8	363	2
Bahrain	192	2	...	...	23	...
Belgium	1,213	5	...	0	155	0
Brazil	1,019	...	392	...	0	...
Bulgaria	16	...	...	...	16	...
Canada	4,011	43	...	615	149	0
Chile	102	0	...	0	0	...
China	3,296	15	...	2	54	0
Chinese Taipei	3,863	103	...	2	335	10
Colombia	14	...	...	...	...	...
Czech Republic	20	...	...	...	9	...
Denmark	15,302	389	...	11	4,215	17
Estonia	4	...	...	...	3	...
Finland	407	...	...	...	198	...
France	24,079	571	0	43	5,046	29
Germany	12,226	527	...	69	2,052	50
Greece	141	1	...	0	115	...
Hong Kong SAR	50,556	1,397	6	40	2,424	75
Hungary	25	...	...	...	8	...
India	1,412	34	...	0	390	3
Indonesia	1,584	10	...	0	72	0
Ireland	885	7	...	1	298	1
Israel	18	...	...	...	...	...
Italy	3,263	8	8	2	2,075	6
Japan	282,449	15,265	210	1,420	35,908	2,207
Korea	2,624	0	...	...	32	0
Latvia	88	...	...	...	7	...
Lithuania	1	...	...	...	0	...
Luxembourg	6,853	418	635	7	1,135	59
Malaysia	459	19	...	...	71	1
Mexico	56	0	...	...	2	...
Netherlands	12,928	207	...	95	2,446	47
New Zealand	572	4	...	0	8	97
Norway	1,316	0	...	0	461	...
Peru	7	...	...	...	...	...
Philippines	380	1	...	...	23	...
Poland	92	...	...	0	34	...
Portugal	208	0	0	0	84	0
Romania	8	0	...	...	6	...
Russia	898	6	...	0	142	...
Saudi Arabia	558	9	...	...	23	7
Singapore	97,315	4,055	0	613	7,195	363
Slovakia	71	11	...	...	43	...
South Africa	325	0	...	...	5	...
Spain	1,763	24	...	0	314	0
Sweden	2,221	150	...	...	663	8
Switzerland	25,052	327	4	79	5,231	36
Thailand	1,459	7	...	...	65	0
Turkey	658	6	...	0	158	0
United Kingdom	627,312	19,402	143	1,968	68,366	1,838
United States	299,647	8,661	2,786	1,527	34,368	1,031
<b>Total</b>	<b>1,516,012</b>	<b>54,540</b>	<b>4,183</b>	<b>6,724</b>	<b>176,119</b>	<b>6,219</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 9.1

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Yen against:

Daily averages, in millions of US dollars

TRY	USD	ZAR	LOC	RES <sup>2</sup>	
...	1	...	1	0	Argentina
1	20,851	12	...	624	Australia
...	302	...	...	144	Austria
...	138	...	4	24	Bahrain
...	1,033	...	...	19	Belgium
...	627	...	...	0	Brazil
...	0	...	0	0	Bulgaria
0	3,183	...	...	21	Canada
...	100	...	2	0	Chile
...	2,067	...	1,157	1	China
...	3,298	1	69	45	Chinese Taipei
...	14	...	0	0	Colombia
...	7	...	3	0	Czech Republic
7	10,224	6	62	370	Denmark
...	0	...	...	0	Estonia
...	192	...	...	17	Finland
10	17,845	16	...	519	France
0	8,970	125	...	431	Germany
...	23	...	...	3	Greece
1	45,665	1	400	548	Hong Kong SAR
...	17	...	0	0	Hungary
...	900	...	58	28	India
...	656	...	807	38	Indonesia
...	477	1	...	101	Ireland
...	...	...	18	...	Israel
12	464	0	...	689	Italy
1,026	211,358	3,023	...	12,032	Japan
...	2,410	...	180	0	Korea
...	44	...	...	36	Latvia
0	0	...	0	0	Lithuania
142	2,591	29	...	1,837	Luxembourg
...	319	...	33	16	Malaysia
...	13	...	41	...	Mexico
...	9,499	...	...	635	Netherlands
...	462	...	...	1	New Zealand
...	725	...	126	4	Norway
...	7	...	...	...	Peru
...	346	...	9	3	Philippines
...	56	...	2	1	Poland
0	116	0	...	9	Portugal
...	2	...	0	0	Romania
...	698	...	6	46	Russia
...	268	1	2	248	Saudi Arabia
53	81,808	366	361	2,501	Singapore
...	9	...	...	7	Slovakia
...	208	25	...	87	South Africa
0	924	...	...	499	Spain
...	1,164	...	118	117	Sweden
10	18,104	6	614	641	Switzerland
...	1,064	...	322	0	Thailand
4	375	...	...	114	Turkey
156	516,411	1,876	13,517	3,636	United Kingdom
24	244,451	222	...	6,578	United States
<b>1,446</b>	<b>1,210,488</b>	<b>5,711</b>	<b>17,913</b>	<b>32,670</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations. <sup>2</sup> Difference between total and listed components.

Table 9.2

## OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Local currency against:

Daily averages, in millions of US dollars

	TOT	AUD	CAD	CHF	EUR
Argentina	1,276	0	2	1	64
Australia	91,344	...	559	203	2,516
Austria	13,742	27	37	1,056	...
Bahrain	214	1	0	0	1
Belgium	11,875	105	88	220	...
Brazil	12,669	1	13	8	789
Bulgaria	1,278	0	0	0	1,255
Canada	39,459	341	...	71	1,728
Chile	10,779	0	1	10	211
China	33,519	182	73	12	565
Chinese Taipei	11,178	1,327	10	3	85
Colombia	3,112	0	0	0	5
Czech Republic	3,274	0	3	5	1,693
Denmark	19,843	39	44	87	8,312
Estonia	90	0	0	0	...
Finland	10,459	45	35	43	...
France	106,782	947	676	3,105	...
Germany	65,593	633	534	5,487	...
Greece	2,305	190	56	360	...
Hong Kong SAR	49,911	474	59	29	793
Hungary	2,730	...	...	18	1,124
India	25,644	14	5	9	234
Indonesia	2,930	13	1	3	28
Ireland	7,537	83	122	166	...
Israel	3,825	2	3	2	250
Italy	19,967	255	226	822	...
Japan	282,449	15,265	1,420	828	35,908
Korea	39,933	37	21	4	329
Latvia	61	0	0	0	54
Lithuania	424	0	0	0	404
Luxembourg	31,276	569	356	2,476	...
Malaysia	8,769	49	1	3	79
Mexico	31,085	0	7	2	215
Netherlands	54,567	641	1,169	2,650	...
New Zealand	9,079	670	28	4	147
Norway	11,141	12	27	70	2,657
Peru	2,078	...	...	0	3
Philippines	2,813	1	0	0	10
Poland	5,446	0	1	202	2,283
Portugal	2,927	17	23	90	...
Romania	2,211	0	1	18	2,008
Russia	48,139	0	2	9	3,770
Saudi Arabia	2,518	...	0	1	16
Singapore	32,884	523	149	60	356
Slovakia	693	11	2	7	...
South Africa	15,956	25	2	24	452
Spain	31,816	31	79	252	...
Sweden	17,116	38	42	63	6,166
Switzerland	62,555	391	545	...	14,162
Thailand	10,398	27	2	9	186
Turkey	17,596	0	0	133	2,691
United Kingdom	424,918	4,002	3,410	3,270	67,088
United States	1,119,694	82,392	88,449	42,587	298,547
<b>Total</b>	<b>2,819,882</b>	<b>109,380</b>	<b>98,284</b>	<b>64,483</b>	<b>457,183</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations.

Table 10.1

# OTC foreign exchange turnover by country and currency in April 2013, "net-gross" basis<sup>1</sup>

Local currency against:

Daily averages, in millions of US dollars

GBP	JPY	SEK	USD	RES <sup>2</sup>	
1	1	0	1,201	8	Argentina
2,290	2,850	62	80,511	2,354	Australia
625	363	35	7,504	4,094	Austria
0	4	...	133	76	Bahrain
1,149	155	116	8,702	1,340	Belgium
49	392	2	11,384	32	Brazil
1	0	0	22	0	Bulgaria
919	615	373	35,155	257	Canada
4	2	0	10,546	5	Chile
75	1,157	3	30,866	586	China
25	69	2	9,537	120	Chinese Taipei
0	0	0	3,107	0	Colombia
6	3	0	1,545	18	Czech Republic
624	62	274	9,997	403	Denmark
22	3	3	44	18	Estonia
414	198	2,075	3,932	3,716	Finland
9,150	5,046	1,083	81,285	5,490	France
5,333	2,052	598	46,207	4,748	Germany
42	115	9	1,360	173	Greece
220	400	3	47,289	644	Hong Kong SAR
6	0	...	1,577	6	Hungary
99	58	1	25,171	52	India
3	807	0	2,023	52	Indonesia
1,293	298	124	5,090	361	Ireland
22	18	2	3,523	4	Israel
1,384	2,075	69	13,316	1,822	Italy
8,904	...	186	211,358	8,580	Japan
87	180	6	39,142	126	Korea
1	...	0	5	1	Latvia
2	0	1	11	5	Lithuania
2,196	1,135	467	20,340	3,737	Luxembourg
20	33	0	7,709	876	Malaysia
13	41	0	30,806	1	Mexico
4,465	2,446	818	39,381	2,997	Netherlands
111	97	1	7,994	27	New Zealand
148	126	642	7,344	115	Norway
0	...	...	2,074	0	Peru
3	9	...	2,788	3	Philippines
31	2	4	2,873	50	Poland
68	84	13	2,558	73	Portugal
4	0	0	169	11	Romania
38	6	5	44,302	6	Russia
5	2	1	2,456	37	Saudi Arabia
185	361	25	30,404	821	Singapore
37	43	1	439	152	Slovakia
114	25	6	15,253	55	South Africa
1,131	314	40	25,703	4,266	Spain
221	118	...	9,644	825	Sweden
1,416	614	146	44,637	644	Switzerland
22	322	2	9,697	131	Thailand
44	4	0	14,662	62	Turkey
...	13,517	760	328,575	4,296	United Kingdom
106,828	244,451	12,009	...	244,433	United States
<b>149,850</b>	<b>280,673</b>	<b>19,971</b>	<b>1,341,350</b>	<b>298,709</b>	<b>Total</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. See annex for abbreviations. <sup>2</sup> Difference between total and listed components.

Table 10.2

# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## All instruments

Daily averages, in millions of US dollars

	Gross turnover <sup>2</sup>	Net turnover <sup>3</sup>				
		Total	With reporting local dealers	With reporting dealers abroad	With other financial institutions	With non-financial customers
Argentina	1,475	1,360	116	94	208	941
Australia	201,732	181,709	20,024	107,439	43,181	11,065
Austria	17,658	17,393	264	14,468	2,127	533
Bahrain	9,538	9,457	81	8,848	408	120
Belgium	22,806	21,597	1,210	14,355	5,095	938
Brazil	18,257	17,203	1,053	2,910	5,847	7,393
Bulgaria	1,625	1,613	12	425	1,077	100
Canada	72,566	64,841	7,725	32,832	16,605	7,679
Chile	15,867	11,956	3,911	3,016	2,718	2,311
China	55,166	44,251	10,916	7,028	14,537	11,770
Chinese Taipei	28,442	26,076	2,365	10,202	7,896	5,614
Colombia	4,061	3,343	718	798	1,150	676
Czech Republic	5,037	4,912	125	2,789	652	1,345
Denmark	104,256	102,781	1,475	65,263	21,238	14,806
Estonia	96	95	1	68	5	20
Finland	14,901	14,884	17	10,327	2,897	1,643
France	209,651	189,878	19,773	96,531	61,909	11,666
Germany	117,687	110,882	6,805	71,436	27,493	5,148
Greece	2,574	2,529	45	1,811	471	203
Hong Kong SAR	299,947	274,605	25,342	172,171	59,793	17,299
Hungary	4,096	3,854	242	2,677	712	223
India	43,806	31,276	12,530	6,134	6,760	5,852
Indonesia	5,814	5,011	803	1,448	952	1,807
Ireland	11,479	11,393	86	4,168	3,145	3,995
Israel	8,195	7,859	336	...	6,229	1,295
Italy	25,412	23,694	1,718	15,784	1,211	4,982
Japan	403,601	374,215	29,386	224,301	57,364	63,164
Korea	70,532	47,520	23,011	12,674	7,044	4,792
Latvia	2,052	2,034	19	568	1,075	372
Lithuania	528	528	0	378	16	134
Luxembourg	51,458	51,157	301	31,024	18,359	1,473
Malaysia	12,861	11,095	1,766	4,109	3,030	2,189
Mexico	34,274	32,112	2,162	11,712	14,826	3,412
Netherlands	115,396	112,268	3,129	59,217	43,651	6,271
New Zealand	12,405	11,773	632	6,324	3,053	1,763
Norway	21,604	21,475	129	11,915	5,615	3,816
Peru	3,257	2,171	1,086	295	242	548
Philippines	5,654	3,733	1,921	1,017	427	368
Poland	7,912	7,564	348	4,472	1,684	1,060
Portugal	3,768	3,569	199	2,479	641	251
Romania	3,562	3,354	208	2,219	439	487
Russia	74,126	60,725	13,401	19,643	20,571	7,111
Saudi Arabia	5,661	4,967	694	2,408	1,082	782
Singapore	403,721	383,075	20,646	270,368	61,268	30,794
Slovakia	840	838	1	642	101	94
South Africa	23,744	20,946	2,798	10,628	6,069	1,451
Spain	44,517	43,034	1,483	24,179	15,350	2,023
Sweden	44,356	43,594	762	26,362	10,686	5,784
Switzerland	228,940	216,394	12,546	115,120	73,945	14,783
Thailand	16,536	12,784	3,752	3,964	1,827	3,241
Turkey	27,735	27,277	458	18,909	6,006	1,904
United Kingdom	3,114,054	2,725,993	388,062	782,346	1,442,134	113,450
United States	1,379,280	1,262,799	116,481	353,500	718,614	74,204
<b>Total</b>	<b>7,414,519</b>	<b>6,671,445</b>	<b>743,073</b>	<b>2,653,794</b>	<b>2,809,435</b>	<b>465,143</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. <sup>2</sup> Not adjusted for inter-dealer double-counting (ie "gross-gross" basis). <sup>3</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Excludes other products.

Table 11

# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## Spot

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	1,311	113	93	167	41	872	25
Australia	47,754	4,936	27,791	2,315	9,799	2,148	766
Austria	2,841	121	2,093	92	357	139	38
Bahrain	4,176	29	3,851	58	168	41	29
Belgium	3,294	270	1,947	182	742	131	21
Brazil	7,613	871	1,436	1,225	1,715	2,264	102
Bulgaria	1,211	5	94	1,014	7	90	1
Canada	14,953	1,856	8,290	1,224	2,116	1,300	167
Chile	5,983	2,372	824	1,012	262	1,512	1
China	23,148	4,335	2,327	7,707	40	8,696	43
Chinese Taipei	9,403	928	4,243	1,041	741	2,042	407
Colombia	1,808	537	121	579	86	484	0
Czech Republic	681	30	419	15	29	151	37
Denmark	34,606	196	16,855	1,505	5,435	654	9,961
Estonia	35	...	23	0	1	9	2
Finland	648	6	309	58	10	157	108
France	37,213	1,361	15,468	3,104	15,959	705	616
Germany	24,151	1,491	16,496	709	4,667	597	192
Greece	830	1	503	139	30	157	0
Hong Kong SAR	51,172	3,080	32,274	1,313	8,022	4,058	2,426
Hungary	1,052	37	545	254	83	128	4
India	15,475	4,591	4,122	2,425	1,773	2,386	177
Indonesia	3,348	336	894	239	286	1,479	115
Ireland	4,142	6	766	45	1,385	207	1,732
Israel	2,870	75	...	161	1,886	729	19
Italy	6,692	370	2,278	209	221	3,588	26
Japan	156,630	10,989	86,888	14,596	3,843	40,112	202
Korea	19,848	9,644	4,001	1,749	1,762	2,542	150
Latvia	923	14	241	20	314	42	293
Lithuania	167	0	31	9	2	123	3
Luxembourg	11,936	121	5,412	4,176	1,719	61	447
Malaysia	5,017	779	2,173	586	1,016	402	62
Mexico	7,060	572	3,610	660	662	1,547	9
Netherlands	54,623	888	28,519	1,392	19,634	131	4,060
New Zealand	2,151	57	626	158	448	858	5
Norway	2,754	6	931	236	185	1,270	125
Peru	1,597	847	109	120	31	487	4
Philippines	1,590	656	587	79	54	195	18
Poland	2,324	35	1,046	363	181	688	11
Portugal	1,453	156	826	120	151	97	104
Romania	908	95	341	32	19	330	92
Russia	25,883	5,785	5,773	4,461	4,984	2,070	2,810
Saudi Arabia	1,886	334	637	290	224	387	14
Singapore	103,295	2,979	78,190	3,594	9,018	6,346	3,167
Slovakia	121	1	46	3	32	27	12
South Africa	4,820	350	2,796	246	881	518	30
Spain	13,595	363	7,037	2,138	2,636	1,310	110
Sweden	9,145	83	4,349	234	3,239	817	424
Switzerland	62,768	2,080	37,698	6,184	12,660	2,049	2,098
Thailand	5,087	709	2,168	113	569	1,418	111
Turkey	5,866	281	4,746	189	196	404	49
United Kingdom	1,031,908	135,547	249,685	307,190	307,100	8,251	24,135
United States	619,357	61,070	153,404	175,174	204,368	13,057	12,285
<b>Total</b>	<b>2,459,123</b>	<b>262,395</b>	<b>825,930</b>	<b>550,905</b>	<b>631,785</b>	<b>120,263</b>	<b>67,846</b>

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

Table 12

# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## Outright forwards

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	49	3	1	...	0	45	...
Australia	11,615	291	3,208	3,521	1,902	1,453	1,242
Austria	5,071	3	4,688	45	147	171	18
Bahrain	3,466	41	3,364	2	18	26	15
Belgium	901	92	290	117	185	147	69
Brazil	6,407	144	1,224	1,006	1,761	1,753	519
Bulgaria	37	1	11	23	...	2	...
Canada	10,054	1,466	2,654	3,138	1,750	937	110
Chile	4,519	508	2,102	1,269	...	639	...
China	4,092	342	1,194	163	10	2,369	14
Chinese Taipei	1,423	16	421	216	204	418	149
Colombia	1,436	139	653	372	105	167	...
Czech Republic	258	...	107	3	0	146	2
Denmark	8,345	355	3,352	1,757	1,974	670	237
Estonia	3	...	1	1	0	0	...
Finland	428	1	20	51	0	274	83
France	8,999	313	3,385	1,317	2,427	634	924
Germany	4,042	664	920	473	824	839	322
Greece	67	...	26	2	12	27	0
Hong Kong SAR	37,305	1,801	23,900	873	7,626	892	2,214
Hungary	207	...	7	134	...	66	0
India	3,743	484	221	87	138	2,624	189
Indonesia	208	12	74	3	18	95	7
Ireland	2,270	1	241	34	976	246	773
Israel	213	6	...	91	18	96	1
Italy	795	48	179	158	6	353	51
Japan	35,220	841	8,747	19,874	1,510	4,172	76
Korea	7,320	431	4,859	426	545	1,049	10
Latvia	3	...	0	...	...	2	0
Lithuania	2	...	0	1	...	1	0
Luxembourg	14,788	40	4,069	4,410	5,777	30	462
Malaysia	2,821	17	1,007	177	175	1,420	25
Mexico	2,026	55	883	559	290	227	11
Netherlands	12,435	243	8,769	248	2,796	204	175
New Zealand	781	23	65	250	18	423	1
Norway	556	0	10	84	84	329	48
Peru	487	179	170	86	3	47	2
Philippines	289	41	115	18	41	72	0
Poland	464	0	12	157	0	294	1
Portugal	176	11	28	1	92	43	1
Romania	65	7	18	6	1	33	0
Russia	1,146	12	279	25	181	561	87
Saudi Arabia	63	4	25	0	0	34	...
Singapore	61,703	3,638	35,186	1,523	13,408	2,561	5,388
Slovakia	49	0	9	0	2	31	7
South Africa	1,508	198	725	77	27	467	13
Spain	3,186	53	1,600	73	1,173	250	37
Sweden	1,587	4	69	333	178	736	267
Switzerland	13,844	835	2,147	5,088	2,984	1,077	1,713
Thailand	1,582	14	157	106	160	1,115	29
Turkey	1,669	95	798	263	13	499	0
United Kingdom	308,808	20,683	93,528	56,946	116,169	9,260	12,222
United States	227,281	11,581	56,108	72,754	57,986	17,870	10,983
<b>Total</b>	<b>815,807</b>	<b>45,736</b>	<b>271,626</b>	<b>178,337</b>	<b>223,715</b>	<b>57,896</b>	<b>38,498</b>

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

Table 13



# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## Foreign exchange swaps

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	115,243	14,022	71,859	7,066	17,343	1,032	3,922
Austria	9,044	137	7,402	351	1,033	79	42
Bahrain	1,596	11	1,433	12	139	1	0
Belgium	16,764	790	11,674	126	3,682	319	174
Brazil	496	35	246	11	18	181	6
Bulgaria	362	5	316	30	2	7	0
Canada	35,551	4,036	19,547	3,746	3,866	3,661	696
Chile	1,212	995	37	161	...	19	...
China	16,642	6,223	3,474	6,593	20	332	...
Chinese Taipei	11,107	1,273	3,990	4,493	650	643	58
Colombia	43	35	6	1	...	0	...
Czech Republic	3,821	94	2,188	154	449	880	55
Denmark	55,312	790	43,312	2,185	7,014	1,297	714
Estonia	55	0	43	3	...	8	...
Finland	13,436	9	9,874	171	2,509	656	217
France	134,921	17,704	71,679	5,773	31,418	4,649	3,698
Germany	79,137	4,611	51,841	3,712	15,987	2,182	804
Greece	1,598	44	1,259	42	244	9	...
Hong Kong SAR	174,130	20,027	109,563	4,817	35,509	2,030	2,183
Hungary	2,500	200	2,050	84	155	10	...
India	11,167	7,065	1,722	2,186	119	68	7
Indonesia	1,380	432	460	376	24	17	72
Ireland	4,716	75	2,904	124	581	31	1,001
Israel	4,324	229	...	727	2,996	371	0
Italy	15,216	1,143	12,815	282	275	601	101
Japan	169,558	16,470	120,350	9,237	6,181	17,278	41
Korea	19,015	12,486	3,353	2,230	167	776	3
Latvia	1,108	5	326	26	716	13	22
Lithuania	357	...	347	0	4	6	0
Luxembourg	24,131	137	21,388	1,368	832	48	358
Malaysia	3,023	925	861	632	397	188	20
Mexico	22,445	1,499	6,866	1,279	11,260	1,436	105
Netherlands	43,254	1,919	20,998	5,481	13,288	569	999
New Zealand	8,243	284	5,343	279	1,887	444	7
Norway	17,874	123	10,869	2,739	2,184	1,380	579
Peru	68	61	0	2	...	5	...
Philippines	1,802	1,220	292	228	2	59	...
Poland	4,581	312	3,264	309	650	46	1
Portugal	1,743	32	1,436	24	248	3	...
Romania	2,369	106	1,855	2	380	7	19
Russia	33,046	7,603	13,411	4,579	6,109	108	1,237
Saudi Arabia	2,535	354	1,487	4	564	106	20
Singapore	172,787	11,923	134,800	7,652	11,075	3,745	3,592
Slovakia	636	...	572	0	63	2	...
South Africa	14,030	2,202	6,842	1,255	3,505	219	7
Spain	24,896	1,031	14,834	1,451	7,366	80	135
Sweden	31,780	652	21,509	2,199	4,236	2,825	360
Switzerland	131,535	9,274	70,349	24,089	21,483	4,065	2,275
Thailand	5,842	2,937	1,609	640	210	307	139
Turkey	16,932	76	11,415	231	4,852	241	117
United Kingdom	1,126,586	191,073	382,900	229,889	273,218	15,419	34,087
United States	340,991	39,192	119,658	65,584	99,848	9,029	7,681
<b>Total</b>	<b>2,930,943</b>	<b>381,880</b>	<b>1,406,629</b>	<b>404,634</b>	<b>594,757</b>	<b>77,489</b>	<b>65,555</b>

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

Table 14

# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## Currency swaps

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	4,466	652	2,767	334	583	72	58
Austria	227	0	131	1	93	1	...
Bahrain	27	...	26	...	1	...	...
Belgium	160	20	125	2	8	4	1
Brazil	2,602	3	0	88	20	2,479	11
Bulgaria	4	...	4	...	...	0	...
Canada	1,216	200	610	49	75	282	...
Chile	102	36	37	14	...	15	...
China	5	3	...	...	...	2	...
Chinese Taipei	247	31	3	188	...	24	2
Colombia	3	0	1	0	...	1	...
Czech Republic	59	...	32	1	...	26	...
Denmark	1,195	30	579	69	467	13	36
Estonia	1	1	...	0	...	...	...
Finland	76	1	16	12	2	46	...
France	3,357	276	2,020	194	758	11	97
Germany	884	4	523	14	265	59	19
Greece	...	...	...	...	...	...	...
Hong Kong SAR	2,528	149	1,659	30	489	96	104
Hungary	21	...	21	...	...	...	...
India	309	235	34	18	0	22	...
Indonesia	57	24	14	6	...	13	...
Ireland	258	4	251	...	...	3	...
Israel	11	3	...	...	...	8	...
Italy	198	42	93	...	21	20	21
Japan	6,388	488	4,540	311	704	274	71
Korea	783	432	218	99	25	10	1
Latvia	...	...	...	...	...	...	...
Lithuania	...	...	...	...	...	...	...
Luxembourg	42	1	40	...	...	0	...
Malaysia	55	14	10	12	12	7	...
Mexico	265	33	119	71	17	25	...
Netherlands	938	67	408	46	379	0	37
New Zealand	576	268	290	4	8	5	...
Norway	163	0	67	73	15	7	...
Peru	9	...	7	0	...	2	...
Philippines	30	4	1	4	0	21	...
Poland	125	...	110	...	15	0	...
Portugal	...	...	...	...	...	...	...
Romania	...	...	...	...	...	...	...
Russia	148	...	48	6	14	44	36
Saudi Arabia	24	...	22	...	...	2	...
Singapore	1,843	94	662	16	713	33	326
Slovakia	0	...	...	0	...	...	...
South Africa	121	11	76	0	14	20	0
Spain	286	33	152	17	29	55	...
Sweden	181	10	108	29	7	27	...
Switzerland	169	139	18	9	...	3	...
Thailand	145	53	29	23	6	34	...
Turkey	1,426	1	1,234	57	127	6	...
United Kingdom	32,167	10,930	9,613	3,228	6,963	159	1,275
United States	4,397	461	1,824	313	1,571	76	153
<b>Total</b>	<b>68,294</b>	<b>14,755</b>	<b>28,543</b>	<b>5,340</b>	<b>13,400</b>	<b>4,008</b>	<b>2,249</b>

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

Table 15

# OTC foreign exchange turnover by country and counterparty in April 2013, "net-gross" basis<sup>1</sup>

## Options

Daily averages, in millions of US dollars

	Total	Reporting dealers		Other financial institutions		Non-financial customers	
		Local	Cross-border	Local	Cross-border	Local	Cross-border
Argentina	...	...	...	...	...	...	...
Australia	2,630	124	1,814	33	285	330	43
Austria	211	3	154	4	4	43	3
Bahrain	192	...	174	0	10	2	6
Belgium	478	36	319	4	47	30	41
Brazil	85	0	2	4	0	15	63
Bulgaria	...	...	...	...	...	...	...
Canada	3,066	168	1,731	463	180	396	129
Chile	140	...	16	...	...	124	...
China	364	13	33	5	...	313	0
Chinese Taipei	3,896	116	1,545	44	320	777	1,094
Colombia	54	6	16	8	0	23	...
Czech Republic	92	1	44	...	...	17	29
Denmark	3,323	103	1,164	80	751	110	1,114
Estonia	2	...	1	...	...	1	...
Finland	296	...	109	85	...	102	...
France	5,388	118	3,980	77	882	211	120
Germany	2,668	35	1,656	22	821	76	59
Greece	33	...	22	...	3	8	...
Hong Kong SAR	9,469	285	4,774	202	911	1,649	1,647
Hungary	75	5	53	1	...	14	1
India	582	155	35	13	...	379	...
Indonesia	18	...	7	...	1	9	0
Ireland	7	...	5	1	...	1	1
Israel	442	22	...	92	257	62	8
Italy	793	115	418	9	30	214	7
Japan	6,419	597	3,775	654	455	933	5
Korea	554	18	244	18	23	250	...
Latvia	...	...	...	...	...	...	...
Lithuania	1	...	0	...	...	1	...
Luxembourg	260	1	116	3	74	7	58
Malaysia	179	31	59	22	2	66	...
Mexico	316	3	234	21	7	51	0
Netherlands	1,018	11	523	15	373	37	58
New Zealand	22	...	1	0	...	21	0
Norway	128	0	37	...	14	76	1
Peru	10	...	8	0	...	2	...
Philippines	23	...	21	0	...	2	...
Poland	70	1	40	5	4	20	0
Portugal	197	...	190	...	4	2	0
Romania	12	...	6	...	...	6	0
Russia	502	...	132	1	210	137	22
Saudi Arabia	459	2	238	...	...	218	...
Singapore	43,447	2,013	21,530	444	13,824	987	4,649
Slovakia	32	...	16	0	1	15	0
South Africa	467	36	189	51	13	174	3
Spain	1,071	3	556	0	466	44	2
Sweden	901	14	327	42	189	262	66
Switzerland	8,078	218	4,908	229	1,219	336	1,169
Thailand	127	39	1	...	...	88	...
Turkey	1,384	5	715	70	7	540	48
United Kingdom	226,524	29,829	46,620	74,228	67,205	2,825	5,817
United States	70,773	4,178	22,507	25,934	15,083	1,910	1,160
<b>Total</b>	<b>397,278</b>	<b>38,308</b>	<b>121,067</b>	<b>102,888</b>	<b>103,676</b>	<b>13,914</b>	<b>17,425</b>

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

Table 16

## OTC foreign exchange turnover by country and maturity in April 2013, "net-gross" basis<sup>1</sup>

### Outright forwards

Percentage share of country's total outright forward transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Argentina	3	97	...
Australia	40	59	1
Austria	95	4	0
Bahrain	96	4	0
Belgium	31	66	4
Brazil	17	75	8
Bulgaria	48	52	...
Canada	40	59	1
Chile	34	66	1
China	34	55	11
Chinese Taipei	13	85	3
Colombia	21	77	2
Czech Republic	71	27	2
Denmark	67	33	0
Estonia	12	88	...
Finland	27	72	1
France	17	78	5
Germany	20	78	2
Greece	12	84	4
Hong Kong SAR	25	65	9
Hungary	18	51	31
India	28	60	12
Indonesia	45	55	0
Ireland	21	78	0
Israel	12	79	9
Italy	16	79	4
Japan	30	69	1
Korea	12	79	8
Latvia	10	90	...
Lithuania	3	91	6
Luxembourg	22	77	1
Malaysia	81	19	1
Mexico	26	72	1
Netherlands	80	19	0
New Zealand	29	70	1
Norway	19	71	10
Peru	33	66	1
Philippines	39	60	1
Poland	20	79	0
Portugal	13	87	0
Romania	7	91	2
Russia	15	59	26
Saudi Arabia	35	65	...
Singapore	23	74	2
Slovakia	55	44	1
South Africa	57	33	10
Spain	19	76	5
Sweden	28	71	1
Switzerland	45	55	1
Thailand	14	83	3
Turkey	52	46	2
United Kingdom	51	42	7
United States	33	64	3
<b>Total</b>	<b>40</b>	<b>55</b>	<b>5</b>

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

Table 17

# OTC foreign exchange turnover by country and maturity in April 2013, "net-gross" basis<sup>1</sup>

## Foreign exchange swaps

Percentage share of country's total foreign exchange swaps transactions

	Up to and including 7 days	Over 7 days and up to and including 1 year	Over 1 year
Argentina	...	...	...
Australia	80	20	0
Austria	78	22	0
Bahrain	48	51	1
Belgium	84	16	0
Brazil	5	75	20
Bulgaria	69	31	0
Canada	65	33	2
Chile	35	63	2
China	48	48	3
Chinese Taipei	38	60	1
Colombia	36	63	1
Czech Republic	72	28	0
Denmark	72	27	1
Estonia	50	50	...
Finland	88	11	1
France	70	29	1
Germany	72	28	0
Greece	42	58	...
Hong Kong SAR	75	22	3
Hungary	85	15	0
India	64	33	3
Indonesia	71	26	2
Ireland	58	37	4
Israel	81	18	0
Italy	68	27	5
Japan	79	21	1
Korea	46	53	1
Latvia	96	4	...
Lithuania	93	7	0
Luxembourg	71	29	0
Malaysia	71	28	1
Mexico	95	5	0
Netherlands	59	40	1
New Zealand	81	18	1
Norway	66	34	0
Peru	81	19	...
Philippines	60	40	1
Poland	84	15	1
Portugal	54	46	0
Romania	84	16	0
Russia	97	3	0
Saudi Arabia	62	38	0
Singapore	76	23	1
Slovakia	78	22	0
South Africa	79	21	0
Spain	79	21	1
Sweden	72	28	0
Switzerland	60	40	0
Thailand	49	48	3
Turkey	74	25	1
United Kingdom	71	23	6
United States	60	34	6
<b>Total</b>	<b>70</b>	<b>26</b>	<b>4</b>

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

Table 18

# OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>

## All instruments

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	2	...	1	1	2	1
Australia	41	48	54	107	176	192	182
Austria	13	12	8	15	19	20	17
Bahrain	3	3	3	3	3	5	9
Belgium	29	27	10	21	50	33	22
Brazil	...	5	6	4	6	14	17
Bulgaria	...	...	...	...	1	1	2
Canada	31	38	44	59	64	62	65
Chile	...	1	2	2	4	6	12
China	...	0	...	1	9	20	44
Chinese Taipei	...	5	5	9	16	18	26
Colombia	...	...	0	1	2	3	3
Czech Republic	...	5	2	2	5	5	5
Denmark	32	28	24	42	88	120	103
Estonia	...	...	...	0	1	1	0
Finland	5	4	2	2	8	31	15
France	62	77	50	67	127	152	190
Germany	79	100	91	120	101	109	111
Greece	3	7	5	4	5	5	3
Hong Kong SAR	91	80	68	106	181	238	275
Hungary	...	1	1	3	7	4	4
India	...	2	3	7	38	27	31
Indonesia	...	2	4	2	3	3	5
Ireland	5	11	9	7	11	15	11
Israel	...	...	1	5	8	10	8
Italy	24	29	18	23	38	29	24
Japan	168	146	153	207	250	312	374
Korea	...	4	10	21	35	44	48
Latvia	...	...	...	2	3	2	2
Lithuania	...	...	...	1	1	1	1
Luxembourg	19	23	13	15	44	33	51
Malaysia	...	1	1	2	3	7	11
Mexico	...	9	9	15	15	17	32
Netherlands	27	43	31	52	25	18	112
New Zealand	7	7	4	7	13	9	12
Norway	8	9	13	14	32	22	21
Peru	...	...	0	0	1	1	2
Philippines	...	1	1	1	2	5	4
Poland	...	3	5	7	9	8	8
Portugal	2	4	2	2	4	4	4
Romania	...	...	...	...	3	3	3
Russia	...	7	10	30	50	42	61
Saudi Arabia	...	2	2	2	4	5	5
Singapore	107	145	104	134	242	266	383
Slovakia	...	...	1	2	3	0	1
Slovenia	...	...	0	0	0	...	...
South Africa	5	9	10	10	14	14	21
Spain	18	20	8	14	17	29	43
Sweden	20	16	25	32	44	45	44
Switzerland	88	92	76	85	254	249	216
Thailand	...	3	2	3	6	7	13
Turkey	...	...	1	3	4	17	27
United Kingdom	479	685	542	835	1,483	1,854	2,726
United States	266	383	273	499	745	904	1,263
<b>Total</b>	<b>1,633</b>	<b>2,099</b>	<b>1,705</b>	<b>2,608</b>	<b>4,281</b>	<b>5,043</b>	<b>6,671</b>

<sup>1</sup> Spot transactions, outright forwards, foreign exchange swaps, currency swaps, options and other products. Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 19

**OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>**  
**Spot**

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	2	...	1	1	2	1
Australia	18	20	13	36	44	60	48
Austria	9	5	4	6	6	6	3
Bahrain	2	2	1	1	2	1	4
Belgium	6	7	3	6	15	8	3
Brazil	...	5	4	3	5	9	8
Bulgaria	...	...	...	...	0	1	1
Canada	12	11	11	18	14	18	15
Chile	...	1	2	2	2	3	6
China	...	0	...	1	8	9	23
Chinese Taipei	...	3	3	5	9	8	9
Colombia	...	...	0	1	1	2	2
Czech Republic	...	2	1	1	1	1	1
Denmark	9	6	4	9	15	33	35
Estonia	...	...	...	0	0	0	0
Finland	3	1	1	1	1	1	1
France	25	19	9	13	25	27	37
Germany	34	42	26	36	25	30	24
Greece	2	3	2	1	1	1	1
Hong Kong SAR	35	31	19	36	38	44	51
Hungary	...	1	0	1	2	1	1
India	...	1	2	3	14	13	15
Indonesia	...	1	3	1	2	2	3
Ireland	3	5	4	4	4	4	4
Israel	...	...	1	3	4	4	3
Italy	13	12	5	9	11	9	7
Japan	55	57	37	53	101	101	157
Korea	...	3	6	10	17	18	20
Latvia	...	...	...	1	1	1	1
Lithuania	...	...	...	1	1	0	0
Luxembourg	8	8	4	3	13	12	12
Malaysia	...	0	0	1	2	4	5
Mexico	...	6	4	11	5	5	7
Netherlands	11	15	5	10	3	5	55
New Zealand	3	2	1	1	2	2	2
Norway	3	3	3	3	3	2	3
Peru	...	...	0	0	1	1	2
Philippines	...	0	0	0	1	2	2
Poland	...	2	2	2	2	2	2
Portugal	1	2	1	1	2	1	1
Romania	...	...	...	...	1	1	1
Russia	...	6	9	24	34	23	26
Saudi Arabia	...	1	1	1	3	3	2
Singapore	44	60	34	43	89	91	103
Slovakia	...	...	0	0	0	0	0
Slovenia	...	...	0	0	0	...	...
South Africa	2	4	2	2	3	4	5
Spain	7	6	3	4	6	8	14
Sweden	9	5	6	7	8	12	9
Switzerland	44	34	23	23	108	58	63
Thailand	...	1	1	1	1	3	5
Turkey	...	...	0	1	1	5	6
United Kingdom	186	217	151	223	335	697	1,032
United States	134	148	104	217	311	473	619
<b>Total</b>	<b>680</b>	<b>762</b>	<b>519</b>	<b>839</b>	<b>1,305</b>	<b>1,829</b>	<b>2,459</b>

<sup>1</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 20

# OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>

## Outright forwards

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	0	...	...	0	0	0
Australia	1	2	3	6	14	8	12
Austria	0	1	0	1	2	2	5
Bahrain	0	0	1	1	1	0	3
Belgium	0	1	1	2	7	2	1
Brazil	...	...	1	0	0	4	6
Bulgaria	...	...	...	...	0	0	0
Canada	3	1	2	4	4	6	10
Chile	...	0	1	1	1	2	5
China	...	...	...	...	0	3	4
Chinese Taipei	...	1	0	1	2	1	1
Colombia	...	...	0	0	0	1	1
Czech Republic	...	...	0	0	1	0	0
Denmark	2	1	1	2	10	11	8
Estonia	...	...	...	0	0	0	0
Finland	0	0	0	0	0	0	0
France	2	3	1	5	7	10	9
Germany	4	8	12	12	23	8	4
Greece	1	1	0	0	0	0	0
Hong Kong SAR	3	4	4	5	15	32	37
Hungary	...	0	0	0	0	0	0
India	...	0	0	1	6	5	4
Indonesia	...	0	0	0	1	0	0
Ireland	0	1	1	0	1	2	2
Israel	...	...	...	...	...	0	0
Italy	2	2	1	1	3	1	1
Japan	17	17	20	21	26	32	35
Korea	...	0	1	4	5	6	7
Latvia	...	...	...	0	0	0	0
Lithuania	...	...	...	0	0	0	0
Luxembourg	1	1	1	2	5	4	15
Malaysia	...	0	0	0	0	1	3
Mexico	...	0	0	1	0	1	2
Netherlands	3	6	3	4	6	9	12
New Zealand	0	0	0	1	1	1	1
Norway	0	0	0	0	2	2	1
Peru	...	...	0	0	0	0	0
Philippines	...	0	0	0	0	1	0
Poland	...	0	0	0	1	0	0
Portugal	0	0	0	0	1	0	0
Romania	...	...	...	...	0	0	0
Russia	...	1	0	1	1	1	1
Saudi Arabia	...	0	0	0	0	1	0
Singapore	3	4	8	11	25	36	62
Slovakia	...	...	0	0	0	0	0
Slovenia	...	...	0	0	0	...	...
South Africa	1	2	0	0	1	1	2
Spain	1	1	1	1	2	3	3
Sweden	1	1	1	1	2	2	2
Switzerland	8	5	6	7	17	11	14
Thailand	...	0	0	0	1	1	2
Turkey	...	...	0	0	1	3	2
United Kingdom	34	48	53	103	124	228	309
United States	28	37	36	61	114	116	227
<b>Total</b>	<b>115</b>	<b>155</b>	<b>164</b>	<b>261</b>	<b>434</b>	<b>558</b>	<b>816</b>

<sup>1</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 21



# OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>

## Foreign exchange swaps

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	...	...	...	...	...	...
Australia	21	25	35	61	111	118	115
Austria	4	5	3	7	10	11	9
Bahrain	1	0	1	0	1	4	2
Belgium	22	18	7	11	26	22	17
Brazil	...	...	0	0	0	0	0
Bulgaria	...	...	...	...	0	0	0
Canada	15	25	29	32	42	34	36
Chile	...	...	...	0	0	1	1
China	...	...	...	...	1	8	17
Chinese Taipei	...	1	1	2	4	7	11
Colombia	...	...	0	0	0	0	0
Czech Republic	...	3	1	1	3	4	4
Denmark	20	20	18	30	61	72	55
Estonia	...	...	...	0	1	1	0
Finland	3	3	1	1	7	30	13
France	30	50	38	46	87	104	135
Germany	38	44	51	70	52	64	79
Greece	1	3	3	3	4	3	2
Hong Kong SAR	53	44	44	61	122	147	174
Hungary	...	0	0	2	4	3	2
India	...	1	1	2	13	8	11
Indonesia	...	1	0	1	1	1	1
Ireland	1	4	4	2	6	8	5
Israel	...	...	1	2	4	5	4
Italy	8	15	11	10	22	18	15
Japan	89	61	90	125	112	168	170
Korea	...	1	3	6	11	18	19
Latvia	...	...	...	1	2	1	1
Lithuania	...	...	...	0	0	1	0
Luxembourg	10	13	8	10	24	17	24
Malaysia	...	1	1	0	1	2	3
Mexico	...	2	4	3	10	10	22
Netherlands	12	20	21	36	15	3	43
New Zealand	4	5	3	5	10	6	8
Norway	4	6	9	11	26	18	18
Peru	...	...	0	0	...	0	0
Philippines	...	0	0	0	1	1	2
Poland	...	0	3	4	6	5	5
Portugal	1	2	1	1	1	2	2
Romania	...	...	...	...	1	2	2
Russia	...	0	...	5	15	18	33
Saudi Arabia	...	1	1	1	1	1	3
Singapore	58	75	58	72	116	122	173
Slovakia	...	...	0	1	3	0	1
Slovenia	...	...	...	0	0	...	...
South Africa	2	4	7	8	10	9	14
Spain	10	12	4	9	8	17	25
Sweden	11	10	17	22	33	29	32
Switzerland	34	42	41	49	116	173	132
Thailand	...	2	1	1	4	3	6
Turkey	...	...	0	2	2	7	17
United Kingdom	244	372	300	428	899	775	1,127
United States	83	166	114	183	239	267	341
<b>Total</b>	<b>777</b>	<b>1,052</b>	<b>934</b>	<b>1,329</b>	<b>2,250</b>	<b>2,352</b>	<b>2,931</b>

<sup>1</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 22

# OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>

## Currency swaps

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	...	...	...	...	...	...
Australia	0	0	1	1	2	4	4
Austria	0	0	0	0	0	0	0
Bahrain	...	0	0	0	0	0	0
Belgium	0	0	0	0	0	0	0
Brazil	...	...	0	0	0	0	3
Bulgaria	...	...	...	...	0	0	0
Canada	0	0	0	1	2	1	1
Chile	...	...	...	0	0	0	0
China	...	...	...	...	...	0	0
Chinese Taipei	...	0	0	0	0	0	0
Colombia	...	...	0	0	0	0	0
Czech Republic	...	...	0	0	0	0	0
Denmark	1	0	0	0	1	1	1
Estonia	...	...	...	...	0	...	0
Finland	0	0	0	0	0	0	0
France	0	1	0	1	1	4	3
Germany	0	1	0	0	0	1	1
Greece	0	0	0	...	0	0	...
Hong Kong SAR	0	0	0	1	1	7	3
Hungary	...	0	...	...	0	...	0
India	...	0	0	0	0	0	0
Indonesia	...	0	0	0	0	0	0
Ireland	0	0	0	0	0	1	0
Israel	...	...	...	...	...	0	0
Italy	0	0	0	0	0	0	0
Japan	1	1	1	1	1	2	6
Korea	...	0	0	0	1	1	1
Latvia	...	...	...	...	...	...	...
Lithuania	...	...	...	...	...	0	...
Luxembourg	0	0	0	0	1	0	0
Malaysia	...	...	...	0	0	0	0
Mexico	...	...	0	0	0	0	0
Netherlands	0	0	0	0	0	1	1
New Zealand	0	0	0	0	0	0	1
Norway	0	0	0	0	0	0	0
Peru	...	...	...	0	...	0	0
Philippines	...	...	0	0	0	1	0
Poland	...	...	...	0	0	0	0
Portugal	0	0	0	...	0	...	...
Romania	...	...	...	...	...	0	...
Russia	...	...	...	...	...	...	0
Saudi Arabia	...	...	...	0	0	...	0
Singapore	1	1	0	0	1	1	2
Slovakia	...	...	0	...	...	...	0
Slovenia	...	...	...	0	...	...	...
South Africa	...	0	0	0	0	0	0
Spain	0	1	0	0	0	1	0
Sweden	0	0	0	0	0	0	0
Switzerland	0	0	0	0	0	0	0
Thailand	...	0	0	0	0	0	0
Turkey	...	...	...	0	1	1	1
United Kingdom	1	5	4	16	18	18	32
United States	0	1	1	2	6	9	4
<b>Total</b>	<b>5</b>	<b>13</b>	<b>9</b>	<b>26</b>	<b>40</b>	<b>57</b>	<b>68</b>

<sup>1</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 23

# OTC foreign exchange turnover by country in April 1995 - 2013, "net-gross" basis<sup>1</sup>

## Options

Daily averages, in billions of US dollars

	1995	1998	2001	2004	2007	2010	2013
Argentina	...	...	...	...	...	...	...
Australia	1	1	2	4	5	2	3
Austria	0	1	0	1	1	1	0
Bahrain	0	0	0	0	0	0	0
Belgium	0	1	0	1	2	1	0
Brazil	...	...	0	0	0	1	0
Bulgaria	...	...	...	...	0	...	...
Canada	1	1	2	5	3	2	3
Chile	...	...	...	...	0	0	0
China	...	...	...	...	...	0	0
Chinese Taipei	...	0	0	1	1	2	4
Colombia	...	...	0	0	0	0	0
Czech Republic	...	0	0	0	0	0	0
Denmark	0	1	0	1	1	3	3
Estonia	...	...	...	...	0	0	0
Finland	0	0	0	0	0	0	0
France	3	4	1	2	6	6	5
Germany	3	5	3	3	2	5	3
Greece	0	0	0	0	0	0	0
Hong Kong SAR	1	1	1	3	6	8	9
Hungary	...	0	0	0	0	0	0
India	...	0	0	0	4	1	1
Indonesia	...	0	...	0	0	0	0
Ireland	0	0	0	0	0	0	0
Israel	...	...	...	0	0	0	0
Italy	0	0	1	3	2	1	1
Japan	6	9	5	8	11	9	6
Korea	...	0	0	0	1	0	1
Latvia	...	...	...	...	...	...	...
Lithuania	...	...	...	...	0	0	0
Luxembourg	0	0	0	0	1	0	0
Malaysia	...	0	0	0	0	0	0
Mexico	...	0	0	0	0	0	0
Netherlands	1	2	0	3	1	0	1
New Zealand	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Peru	...	...	...	...	...	0	0
Philippines	...	...	...	0	0	1	0
Poland	...	...	...	0	0	0	0
Portugal	0	0	0	0	1	0	0
Romania	...	...	...	...	0	0	0
Russia	...	0	...	...	0	0	1
Saudi Arabia	...	0	0	0	0	0	0
Singapore	1	5	3	8	10	16	43
Slovakia	...	...	...	...	0	0	0
Slovenia	...	...	...	0	0	...	...
South Africa	0	0	0	0	0	1	0
Spain	0	0	0	0	1	1	1
Sweden	0	1	1	1	2	2	1
Switzerland	2	10	5	6	12	8	8
Thailand	...	0	0	0	0	0	0
Turkey	...	...	...	0	0	1	1
United Kingdom	14	43	33	65	106	135	227
United States	21	31	18	36	75	39	71
<b>Total</b>	<b>55</b>	<b>117</b>	<b>79</b>	<b>152</b>	<b>253</b>	<b>246</b>	<b>397</b>

<sup>1</sup> Adjusted for local inter-dealer double-counting (ie "net-gross" basis). Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. The data for the Netherlands are not fully comparable over time due to reporting improvements in 2013.

Table 24

## OTC foreign exchange turnover by currency in April 1995 - 2013, "net-net" basis<sup>1</sup>

Daily averages, in billions of US dollars and percentage share

Currency	1995		1998		2001		2004		2007		2010		2013	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
USD	981	83	1,325	87	1,114	90	1,702	88	2,845	86	3,370	85	4,652	87
EUR	...	...	...	...	470	38	724	37	1,231	37	1,551	39	1,786	33
JPY	291	25	332	22	292	24	403	21	573	17	754	19	1,231	23
GBP	110	9	168	11	162	13	319	16	494	15	511	13	631	12
AUD	31	3	46	3	54	4	116	6	220	7	301	8	462	9
CHF	85	7	108	7	74	6	117	6	227	7	250	6	275	5
CAD	40	3	54	4	56	4	81	4	143	4	210	5	244	5
MXN	...	...	7	0	10	1	21	1	44	1	50	1	135	3
CNY	...	...	0	0	0	0	2	0	15	0	34	1	120	2
NZD	3	0	3	0	7	1	21	1	63	2	63	2	105	2
SEK	7	1	5	0	31	2	42	2	90	3	87	2	94	2
RUB	...	...	5	0	4	0	12	1	25	1	36	1	85	2
HKD	13	1	15	1	28	2	34	2	90	3	94	2	77	1
NOK	3	0	4	0	18	1	27	1	70	2	52	1	77	1
SGD	5	0	17	1	13	1	18	1	39	1	56	1	75	1
TRY	...	...	...	...	0	0	2	0	6	0	29	1	70	1
KRW	...	...	2	0	10	1	22	1	38	1	60	2	64	1
ZAR	4	0	6	0	12	1	14	1	30	1	29	1	60	1
BRL	...	...	3	0	6	0	5	0	13	0	27	1	59	1
INR	...	...	1	0	3	0	6	0	24	1	38	1	53	1
DKK	6	1	4	0	15	1	17	1	28	1	23	1	42	1
PLN	...	...	1	0	6	0	7	0	25	1	32	1	37	1
TWD	...	...	2	0	3	0	8	0	12	0	19	0	24	0
HUF	...	...	1	0	0	0	4	0	9	0	17	0	22	0
MYR	...	...	1	0	1	0	1	0	4	0	11	0	21	0
CZK	...	...	4	0	2	0	3	0	7	0	8	0	19	0
THB	...	...	2	0	2	0	4	0	6	0	8	0	17	0
CLP	...	...	1	0	2	0	2	0	4	0	7	0	16	0
ILS	...	...	...	...	1	0	2	0	5	0	6	0	10	0
IDR	...	...	1	0	1	0	2	0	4	0	6	0	9	0
PHP	...	...	0	0	1	0	1	0	4	0	7	0	8	0
RON	...	...	...	...	...	...	...	...	2	0	3	0	7	0
COP	...	...	...	...	0	0	1	0	2	0	4	0	6	0
SAR	...	...	1	0	1	0	1	0	2	0	2	0	5	0
PEN	...	...	...	...	0	0	0	0	1	0	1	0	3	0
ARS	...	...	2	0	...	...	1	0	1	0	2	0	1	0
BGN	...	...	...	...	...	...	...	...	0	0	1	0	1	0
LTL	...	...	...	...	...	...	0	0	1	0	1	0	0	0
BHD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEM	430	36	465	30	...	...	...	...	...	...	...	...	...	...
FRF	94	8	76	5	...	...	...	...	...	...	...	...	...	...
XEU	26	2	21	1	...	...	...	...	...	...	...	...	...	...
ITL	14	1	16	1	...	...	...	...	...	...	...	...	...	...
NLG	8	1	14	1	...	...	...	...	...	...	...	...	...	...
BEF	7	1	9	1	...	...	...	...	...	...	...	...	...	...
ESP	9	1	9	1	...	...	...	...	...	...	...	...	...	...
GRD	1	0	4	0	...	...	...	...	...	...	...	...	...	...
IEP	1	0	2	0	...	...	...	...	...	...	...	...	...	...
ATS	3	0	2	0	...	...	...	...	...	...	...	...	...	...
PTE	1	0	2	0	...	...	...	...	...	...	...	...	...	...
FIM	1	0	2	0	...	...	...	...	...	...	...	...	...	...
LUF	1	0	1	0	...	...	...	...	...	...	...	...	...	...
OTH	187	16	307	20	81	7	127	7	252	8	182	5	84	2
<b>Total</b>	<b>1,182</b>	<b>200</b>	<b>1,527</b>	<b>200</b>	<b>1,239</b>	<b>200</b>	<b>1,934</b>	<b>200</b>	<b>3,324</b>	<b>200</b>	<b>3,971</b>	<b>200</b>	<b>5,345</b>	<b>200</b>

<sup>1</sup> Because two currencies are involved in each transaction, the sum of the percentage shares of individual currencies totals 200% instead of 100%. Adjusted for local and cross-border inter-dealer double-counting (ie "net-net" basis). Turnover for years prior to 2013 may be underestimated owing to incomplete reporting in previous surveys. Methodological changes in the 2013 survey ensured more complete coverage of activity in emerging market and other currencies. See annex for abbreviations.

Table 25

## OTC foreign exchange turnover by execution method in April 2013, "net-net" basis<sup>1</sup>

Daily averages, in millions of US dollars

	Voice		Electronic					Undistri- buted
	Direct	Indirect	Direct		Indirect			
			Single- bank proprietary trading system	Other	Reuters Matching / EBS	Other electronic communic ation networks	Other	
Spot	517,563	187,665	282,011	481,411	313,118	167,662	62,081	34,648
Outright forwards	214,864	91,434	87,558	126,515	33,276	73,341	31,717	21,289
Foreign exchange swaps	578,190	435,357	271,109	256,406	360,396	189,316	79,013	57,841
Currency swaps	17,555	8,607	3,664	9,882	2,768	4,024	3,709	3,813
FX options	146,712	62,070	21,383	49,911	15,475	31,671	1,922	7,601
All instruments	1,474,884	785,134	665,725	924,124	725,032	466,014	178,442	125,192

<sup>1</sup> Data may differ slightly from national survey data owing to differences in aggregation procedures and rounding. Adjusted for local and cross-border inter-dealer double-counting (ie "net-net" basis). Due to incomplete allocation by execution method, components do not sum to the aggregates published in the other tables

Table 26

## Annex 1: abbreviations used in the tables

FI	Financial institutions
PTFs	Proprietary trading firms
ARS	Argentine peso
AUD	Australian dollar
BGN	Lev
BHD	Bahraini dinar
BRL	Brazilian real
CAD	Canadian dollar
CHF	Swiss franc
CLP	Chilean peso
CNY	Renminbi
COP	Colombian peso
CZK	Czech koruna
DKK	Danish krone
EUR	Euro
GBP	Pound sterling
HKD	Hong Kong dollar
HUF	Forint
IDR	Rupiah
ILS	New shekel
INR	Indian rupee
JPY	Yen
KRW	Won
LOC	Local currencies
LTL	Litas
LVL	Lats
MXN	Mexican peso
MYR	Malaysian ringgit
NOK	Norwegian krone
NZD	New Zealand dollar
OTH	Currencies of other reporting countries
PEN	New sol
PHP	Philippine peso
PLN	Zloty
RES	Residual currencies
RMB	See CNY
RON	Romanian leu
RUB	Russian rouble
SAR	Saudi Riyal
SEK	Swedish krona
SGD	Singapore dollar
THB	Baht
TOT	Total
TRY	Turkish lira
TWD	New Taiwan dollar
USD	US dollar
ZAR	Rand

## Annex 2: basic features of the April 2013 foreign exchange market survey

Country	Coverage, in per cent	Banks covering 75%	Number of participants	Trading days	Nature of turnover	
					April	Preceding six months
Argentina	93	9	27	20	Below normal	Steady
Australia	95	7	26	20	Normal	Steady
Austria	90	3	14	21	Normal	Steady
Bahrain	99	2	22	22	Below normal	...
Belgium	90	2	4	21	Normal	Steady
Brazil	80	7	14	22	Normal	Increasing
Bulgaria	95	2	12	22	Normal	Steady
Canada	98	5	15	22	Normal	Steady
Chile	96	9	30	22	Normal	Increasing
China	72	9	15	18	Normal	Steady
Chinese Taipei	90	17	32	20	Normal	Increasing
Colombia	85	7	16	22	Normal	Steady
Czech Republic	95	5	11	21	Normal	Steady
Denmark	98	3	6	20	Normal	Steady
Estonia	90	2	3	22	Normal	Steady
Finland	99	1	8	21	Normal	Steady
France	99	4	37	21	Normal	Steady
Germany	95	5	30	21	Normal	Steady
Greece	92	3	4	22	Normal	Steady
Hong Kong SAR	95	13	60	20	Normal	Steady
Hungary	88	7	10	21	Normal	Steady
India	80	12	25	19	Normal	Steady
Indonesia	90	17	23	22	Normal	Steady
Ireland	100	3	19	19	Normal	Steady
Israel	100	4	13	20	Normal	Steady
Italy	96	4	36	20	Normal	Steady
Japan	99	9	47	21	Above normal	Increasing
Korea	100	17	59	22	Normal	Steady
Latvia	55	3	6	21	Normal	Steady
Lithuania	95	3	6	21	Normal	Steady
Luxembourg	98	11	93	21	Normal	Steady
Malaysia	100	6	13	22	Normal	Steady
Mexico	95	7	18	22	Normal	Steady
Netherlands	97	...	6	20	Normal	Steady
New Zealand	99	3	5	20	Normal	Steady
Norway	90	2	8	21	Normal	Steady
Peru	100	5	17	22	Normal	Steady
Philippines	100	9	28	21	Normal	Steady
Poland	92	8	18	21	Normal	Steady
Portugal	100	4	37	21	Normal	Steady
Romania	99	10	31	22	Normal	Steady
Russia	89	16	40	22	Normal	Steady
Saudi Arabia	90	5	19	30	Normal	Steady
Singapore	99	11	64	22	Normal	Steady
Slovakia	70	3	5	21	Normal	Steady
South Africa	95	5	10	21	Normal	Steady
Spain	89	2	8	22	Normal	Steady
Sweden	90	3	4	21	Normal	Steady
Switzerland	100	3	25	21	Normal	Steady
Thailand	100	12	27	19	Normal	Increasing
Turkey	93	8	20	21	Normal	Steady
United Kingdom	99	10	47	21	Normal	Increasing
United States	100	7	24	22	Normal	Increasing