

# Tables

## I. TOTAL FOREIGN EXCHANGE VOLUME

Millions of U.S. Dollars

### AVERAGE DAILY VOLUME<sup>a</sup>

Instrument	Current Amount Reported
Spot transactions	168,434
Outright forwards	49,009
Foreign exchange swaps	117,958
Over-the-counter foreign exchange options	36,030
<b>Total</b>	<b>371,431</b>

### TOTAL MONTHLY VOLUME<sup>a</sup>

Instrument	Current Amount Reported
Spot transactions	3,368,682
Outright forwards	980,187
Foreign exchange swaps	2,359,161
Over-the-counter foreign exchange options	720,607
<b>Total</b>	<b>7,428,637</b>

<sup>a</sup>Adjusted to eliminate trades between reporting dealers.

## 2a. SPOT TRANSACTIONS, Average Daily Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	14,453	30,718	13,445	4,791	63,407
Japanese yen	5,645	9,660	5,947	2,168	23,420
British pound	3,359	6,294	3,732	4,795	18,180
Canadian dollar	2,662	4,387	2,186	1,538	10,773
Swiss franc	2,459	4,321	2,378	1,155	10,313
Australian dollar	1,356	2,545	2,104	545	6,550
Argentine peso	5	7	5	4	21
Brazilian real	126	159	69	46	400
Chilean peso	48	77	22	22	169
Mexican peso	1,190	3,374	848	417	5,829
All other currencies	970	2,193	4,882	1,432	9,477
<b>EURO versus</b>					
Japanese yen	1,358	2,966	835	391	5,550
British pound	982	1,960	552	291	3,785
Swiss franc	1,044	2,557	366	462	4,429
<b>ALL OTHER CURRENCY PAIRS</b>					
	967	2,376	1,856	932	6,131
<b>Total<sup>a</sup></b>	<b>36,624</b>	<b>73,594</b>	<b>39,227</b>	<b>18,989</b>	<b>168,434</b>

Notes: The table reports notional amounts of average daily volume net of interdealer double-counting. The amounts are averaged over twenty trading days in October.

<sup>a</sup>Figures may not sum to totals because of rounding.



## 2b. OUTRIGHT FORWARDS, Average Daily Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	915	2,745	4,522	3,137	11,319
Japanese yen	638	2,079	4,200	2,074	8,991
British pound	566	707	2,313	1,630	5,216
Canadian dollar	374	611	1,226	1,352	3,563
Swiss franc	355	675	1,599	575	3,204
Australian dollar	210	623	951	488	2,272
Argentine peso	8	13	6	4	31
Brazilian real	233	533	263	67	1,096
Chilean peso	83	286	47	21	437
Mexican peso	233	520	571	325	1,649
All other currencies	578	1,751	2,280	1,306	5,915
<b>EURO versus</b>					
Japanese yen	101	378	564	351	1,394
British pound	42	214	334	287	877
Swiss franc	27	110	156	245	538
<b>ALL OTHER CURRENCY PAIRS</b>					
	119	646	762	980	2,507
<b>Total<sup>a</sup></b>	<b>4,482</b>	<b>11,891</b>	<b>19,794</b>	<b>12,842</b>	<b>49,009</b>

Notes: The table reports notional amounts of average daily volume net of interdealer double-counting. The amounts are averaged over twenty trading days in October.

<sup>a</sup>Figures may not sum to totals because of rounding.

## 2c. FOREIGN EXCHANGE SWAPS, Average Daily Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	8,561	15,447	5,072	4,317	33,398
Japanese yen	6,255	9,628	2,978	1,637	20,498
British pound	3,788	6,836	1,713	1,302	13,639
Canadian dollar	4,302	8,981	2,121	2,202	17,606
Swiss franc	3,051	3,832	1,271	662	8,816
Australian dollar	1,056	3,798	758	569	6,181
Argentine peso	0	0	0	1	1
Brazilian real	24	15	6	2	47
Chilean peso	6	2	2	0	10
Mexican peso	1,945	3,111	513	289	5,858
All other currencies	1,247	6,763	1,619	532	10,161
<b>EURO versus</b>					
Japanese yen	24	131	242	44	441
British pound	9	94	98	134	335
Swiss franc	16	38	48	36	138
<b>ALL OTHER CURRENCY PAIRS</b>					
	50	283	298	198	829
<b>Total<sup>a</sup></b>	<b>30,335</b>	<b>58,959</b>	<b>16,739</b>	<b>11,925</b>	<b>117,958</b>

Notes: The table reports notional amounts of average daily volume net of interdealer double-counting. The amounts are averaged over twenty trading days in October.

<sup>a</sup>Figures may not sum to totals because of rounding.



**2d. OVER-THE-COUNTER FOREIGN EXCHANGE OPTIONS, Average Daily Volume**  
Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	2,960	3,055	2,995	1,912	10,922
Japanese yen	2,236	2,425	3,730	750	9,141
British pound	291	733	304	428	1,756
Canadian dollar	1,218	1,071	545	487	3,321
Swiss franc	187	312	309	102	910
Australian dollar	281	480	420	88	1,269
Argentine peso	4	4	7	5	20
Brazilian real	52	82	75	60	269
Chilean peso	8	24	6	2	40
Mexican peso	233	949	237	91	1,510
All other currencies	226	314	1,482	169	2,191
<b>EURO versus</b>					
Japanese yen	514	334	267	193	1,308
British pound	102	147	244	97	590
Swiss franc	98	154	370	126	748
<b>ALL OTHER CURRENCY PAIRS</b>					
	274	402	759	600	2,035
<b>Total<sup>a</sup></b>	<b>8,684</b>	<b>10,486</b>	<b>11,750</b>	<b>5,110</b>	<b>36,030</b>

Notes: The table reports notional amounts of average daily volume net of interdealer double-counting. The amounts are averaged over twenty trading days in October.

<sup>a</sup>Figures may not sum to totals because of rounding.

## 2e. AVERAGE DAILY VOLUME, by Execution Method and Currency Pair

Millions of U.S. Dollars

Currency Pair	Execution Method					Total	Total Number of Trades
	Interdealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker		
<b>U.S. DOLLAR versus</b>							
Euro	16,519	33,984	54,704	17,027	23,695	145,929	29,614
Japanese yen	11,238	24,135	22,750	7,457	11,246	76,826	12,054
British pound	2,908	16,568	15,868	4,782	6,669	46,795	8,456
Canadian dollar	7,288	11,267	12,794	3,219	9,254	43,821	7,315
Swiss franc	3,538	6,963	10,776	3,068	4,951	29,295	5,672
Australian dollar	1,957	5,134	6,412	2,395	3,276	19,175	4,329
Argentine peso	22	38	7	4	20	91	34
Brazilian real	411	950	55	172	658	2,246	448
Chilean peso	212	382	15	5	185	799	151
Mexican peso	4,034	5,470	3,346	907	4,691	18,448	1,873
All other currencies	2,778	14,055	4,807	2,326	6,799	30,765	6,452
<b>EURO versus</b>							
Japanese yen	1,942	2,233	3,558	1,408	1,550	10,690	2,582
British pound	772	1,563	3,104	656	629	6,724	2,227
Swiss franc	784	1,410	3,217	596	1,035	7,041	1,851
<b>ALL OTHER CURRENCY PAIRS</b>							
	3,826	4,321	1,475	1,075	2,215	12,913	3,459
<b>Total<sup>a</sup></b>	<b>58,229</b>	<b>128,473</b>	<b>142,886</b>	<b>45,096</b>	<b>76,874</b>	<b>451,558</b>	<b>86,515</b>

Notes: The amounts reported in the table are averaged over twenty trading days in October and are not adjusted to eliminate trades between reporting dealers. Data for some dealers are estimated.

<sup>a</sup>Figures may not sum to totals because of rounding.



## 2f. AVERAGE DAILY VOLUME, by Execution Method, Instrument, and Counterparty

Millions of U.S. Dollars

	Execution Method					Total	Total Number of Trades
	Interdealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker		
<b>INSTRUMENT</b>							
Spot transactions	23,933	51,031	84,365	23,861	21,868	205,058	67,030
Outright forwards	4,668	23,823	4,334	10,944	9,721	53,490	13,443
Foreign exchange swaps	15,378	37,928	43,712	9,216	42,060	148,294	3,332
OTC FX options	14,250	15,690	10,475	1,075	3,225	44,715	2,710
<b>Total<sup>a</sup></b>	<b>58,229</b>	<b>128,472</b>	<b>142,886</b>	<b>45,096</b>	<b>76,874</b>	<b>451,557</b>	<b>86,515</b>
<b>COUNTERPARTY</b>							
Reporting dealers	58,229	—	62,122	5,536	40,931	166,818	24,638
Banks/other dealers	—	44,066	74,702	13,533	24,427	156,728	31,469
Other financial customers	—	52,172	4,769	18,047	7,075	82,063	21,060
Nonfinancial customers	—	32,235	1,294	7,980	4,442	45,951	9,348
<b>Total<sup>a</sup></b>	<b>58,229</b>	<b>128,473</b>	<b>142,887</b>	<b>45,096</b>	<b>76,875</b>	<b>451,559</b>	<b>86,515</b>

Notes: The amounts reported in the table are averaged over twenty trading days in October and are not adjusted to eliminate trades between reporting dealers. Data for some dealers are estimated.

<sup>a</sup>Figures may not sum to totals because of rounding.

### 3a. SPOT TRANSACTIONS, Total Monthly Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	289,039	614,340	268,887	95,825	1,268,091
Japanese yen	112,907	193,205	118,945	43,365	468,422
British pound	67,172	125,880	74,630	95,903	363,585
Canadian dollar	53,248	87,744	43,722	30,764	215,478
Swiss franc	49,189	86,418	47,563	23,095	206,265
Australian dollar	27,117	50,909	42,083	10,908	131,017
Argentine peso	97	138	105	75	415
Brazilian real	2,519	3,189	1,374	916	7,998
Chilean peso	953	1,543	450	432	3,378
Mexican peso	23,804	67,470	16,969	8,340	116,583
All other currencies	19,402	43,866	97,636	28,630	189,534
<b>EURO versus</b>					
Japanese yen	27,170	59,318	16,691	7,819	110,998
British pound	19,645	39,206	11,050	5,815	75,716
Swiss franc	20,889	51,147	7,310	9,235	88,581
<b>ALL OTHER CURRENCY PAIRS</b>					
	19,331	47,517	37,124	18,649	122,621
<b>Total<sup>a</sup></b>	<b>732,482</b>	<b>1,471,890</b>	<b>784,539</b>	<b>379,771</b>	<b>3,368,682</b>

Note: The table reports notional amounts of total monthly volume net of interdealer double-counting.

<sup>a</sup>Figures may not sum to totals because of rounding.





### 3b. OUTRIGHT FORWARDS, Total Monthly Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	18,305	54,895	90,425	62,748	226,373
Japanese yen	12,751	41,585	84,002	41,490	179,828
British pound	11,325	14,135	46,265	32,596	104,321
Canadian dollar	7,482	12,213	24,527	27,036	71,258
Swiss franc	7,095	13,493	31,989	11,493	64,070
Australian dollar	4,200	12,462	19,021	9,753	45,436
Argentine peso	166	262	126	85	639
Brazilian real	4,651	10,654	5,261	1,345	21,911
Chilean peso	1,660	5,712	944	425	8,741
Mexican peso	4,659	10,409	11,426	6,491	32,985
All other currencies	11,552	35,024	45,595	26,128	118,299
<b>EURO versus</b>					
Japanese yen	2,011	7,566	11,286	7,026	27,889
British pound	845	4,273	6,688	5,736	17,542
Swiss franc	538	2,199	3,112	4,909	10,758
<b>ALL OTHER CURRENCY PAIRS</b>					
	2,389	12,922	15,231	19,595	50,137
<b>Total<sup>a</sup></b>	<b>89,629</b>	<b>237,804</b>	<b>395,898</b>	<b>256,856</b>	<b>980,187</b>

Note: The table reports notional amounts of total monthly volume net of interdealer double-counting.

<sup>a</sup>Figures may not sum to totals because of rounding.

### 3c. FOREIGN EXCHANGE SWAPS, Total Monthly Volume

Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	171,218	308,912	101,415	86,332	667,877
Japanese yen	125,097	192,568	59,563	32,743	409,971
British pound	75,765	136,721	34,251	26,038	272,775
Canadian dollar	86,049	179,611	42,427	44,037	352,124
Swiss franc	61,028	76,636	25,420	13,242	176,326
Australian dollar	21,115	75,960	15,163	11,376	123,614
Argentine peso	7	1	0	26	34
Brazilian real	475	298	130	45	948
Chilean peso	117	39	48	0	204
Mexican peso	38,908	62,226	10,258	5,771	117,163
All other currencies	24,949	135,253	32,389	10,646	203,237
<b>EURO versus</b>					
Japanese yen	481	2,622	4,848	881	8,832
British pound	173	1,881	1,963	2,675	6,692
Swiss franc	330	761	967	727	2,785
<b>ALL OTHER CURRENCY PAIRS</b>					
	1,009	5,659	5,959	3,952	16,579
<b>Total<sup>a</sup></b>	<b>606,721</b>	<b>1,179,148</b>	<b>334,801</b>	<b>238,491</b>	<b>2,359,161</b>

Note: The table reports notional amounts of total monthly volume net of interdealer double-counting.

<sup>a</sup>Figures may not sum to totals because of rounding.



### 3d. OVER-THE-COUNTER FOREIGN EXCHANGE OPTIONS, Total Monthly Volume Millions of U.S. Dollars

Currency Pair	Counterparty				Total
	Reporting Dealers	Other Dealers	Other Financial Customers	Nonfinancial Customers	
<b>U.S. DOLLAR versus</b>					
Euro	59,217	61,116	59,893	38,234	218,460
Japanese yen	44,721	48,502	74,597	15,004	182,824
British pound	5,827	14,668	6,083	8,559	35,137
Canadian dollar	24,359	21,417	10,898	9,749	66,423
Swiss franc	3,732	6,243	6,176	2,050	18,201
Australian dollar	5,617	9,596	8,404	1,763	25,380
Argentine peso	75	70	131	104	380
Brazilian real	1,039	1,632	1,507	1,195	5,373
Chilean peso	153	471	113	34	771
Mexican peso	4,653	18,982	4,746	1,816	30,197
All other currencies	4,519	6,279	29,645	3,371	43,814
<b>EURO versus</b>					
Japanese yen	10,281	6,673	5,342	3,851	26,147
British pound	2,045	2,948	4,889	1,938	11,820
Swiss franc	1,969	3,090	7,395	2,518	14,972
<b>ALL OTHER CURRENCY PAIRS</b>					
	5,478	8,042	15,185	12,003	40,708
<b>Total<sup>a</sup></b>	<b>173,685</b>	<b>209,729</b>	<b>235,004</b>	<b>102,189</b>	<b>720,607</b>

Note: The table reports notional amounts of total monthly volume net of interdealer double-counting.

<sup>a</sup>Figures may not sum to totals because of rounding.

### 3e. TOTAL MONTHLY VOLUME, by Execution Method and Currency Pair

Millions of U.S. Dollars

Currency Pair	Execution Method					Total	Total Number of Trades
	Interdealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker		
<b>U.S. DOLLAR versus</b>							
Euro	330,372	679,687	1,094,079	340,539	473,903	2,918,580	592,274
Japanese yen	224,760	482,709	454,998	149,139	224,915	1,536,521	241,075
British pound	58,168	331,351	317,352	95,652	133,384	935,907	169,126
Canadian dollar	145,750	225,348	255,872	64,371	185,080	876,421	146,290
Swiss franc	70,762	139,254	215,511	61,353	99,026	585,906	113,430
Australian dollar	39,148	102,685	128,248	47,897	65,518	383,496	86,579
Argentine peso	438	764	138	73	400	1,813	674
Brazilian real	8,220	18,992	1,107	3,440	13,155	44,914	8,954
Chilean peso	4,239	7,645	296	93	3,704	15,977	3,026
Mexican peso	80,672	109,400	66,914	18,141	93,825	368,952	37,460
All other currencies	55,566	281,101	96,142	46,517	135,980	615,306	129,038
<b>EURO versus</b>							
Japanese yen	38,830	44,651	71,162	28,169	30,997	213,809	51,645
British pound	15,446	31,251	62,078	13,116	12,587	134,478	44,532
Swiss franc	15,682	28,195	64,333	11,912	20,700	140,822	37,025
<b>ALL OTHER CURRENCY PAIRS</b>							
	76,522	86,423	29,499	21,499	44,309	258,252	69,178
<b>Total<sup>a</sup></b>	<b>1,164,575</b>	<b>2,569,456</b>	<b>2,857,729</b>	<b>901,911</b>	<b>1,537,483</b>	<b>9,031,154</b>	<b>1,730,306</b>

Notes: The amounts reported in the table are not adjusted to eliminate trades between reporting dealers. Data for some dealers are estimated.

<sup>a</sup>Figures may not sum to totals because of rounding.



### 3f. TOTAL MONTHLY VOLUME, by Execution Method, Instrument, and Counterparty

Millions of U.S. Dollars

	Execution Method					Total	Total Number of Trades
	Interdealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker		
<b>INSTRUMENT</b>							
Spot transactions	478,668	1,020,623	1,687,290	477,214	437,369	4,101,164	1,340,605
Outright forwards	93,351	476,468	86,687	218,885	194,425	1,069,816	268,865
Foreign exchange swaps	307,568	758,556	874,248	184,320	841,190	2,965,882	66,638
OTC FX options	284,988	313,809	209,504	21,492	64,499	894,292	54,198
<b>Total<sup>a</sup></b>	<b>1,164,575</b>	<b>2,569,456</b>	<b>2,857,729</b>	<b>901,911</b>	<b>1,537,483</b>	<b>9,031,154</b>	<b>1,730,306</b>
<b>COUNTERPARTY</b>							
Reporting dealers	1,164,575	—	1,242,446	110,713	818,610	3,336,344	492,764
Banks/other dealers	—	881,322	1,494,030	270,666	488,544	3,134,562	629,389
Other financial customers	—	1,043,442	95,383	360,931	141,493	1,641,249	421,193
Non-financial customers	—	644,692	25,870	159,601	88,836	918,999	186,960
<b>Total<sup>a</sup></b>	<b>1,164,575</b>	<b>2,569,456</b>	<b>2,857,729</b>	<b>901,911</b>	<b>1,537,483</b>	<b>9,031,154</b>	<b>1,730,306</b>

Notes: The amounts reported in the table are not adjusted to eliminate trades between reporting dealers. Data for some dealers are estimated.

<sup>a</sup>Figures may not sum to totals because of rounding.

## 4a. OUTRIGHT FORWARDS, Total Monthly Volume by Maturity

Millions of U.S. Dollars

Currency Pair	Maturity		
	Less Than One Month	One Month to One Year	More Than One Year
<b>U.S. DOLLAR versus</b>			
Euro	148,074	93,107	3,556
Japanese yen	111,981	78,711	1,948
British pound	60,211	54,460	968
Canadian dollar	41,264	36,382	1,081
Swiss franc	37,426	33,160	570
Australian dollar	25,149	24,217	253
Argentine peso	236	563	4
Brazilian real	17,973	8,129	452
Chilean peso	4,491	5,769	132
Mexican peso	18,881	17,037	1,719
All other currencies	57,095	69,732	3,017
<b>EURO versus</b>			
Japanese yen	21,264	8,570	55
British pound	10,879	7,344	156
Swiss franc	8,812	2,265	210
<b>ALL OTHER CURRENCY PAIRS</b>			
	37,115	15,141	257
<b>Total<sup>a</sup></b>	<b>600,851</b>	<b>454,587</b>	<b>14,378</b>

Note: The table reports notional amounts of total monthly volume that are not adjusted to eliminate trades between reporting dealers.

<sup>a</sup>Figures may not sum to totals because of rounding.



## 4b. FOREIGN EXCHANGE SWAPS, Total Monthly Volume by Maturity

Millions of U.S. Dollars

Currency Pair	Maturity		
	Less Than One Month	One Month to One Year	More Than One Year
<b>U.S. DOLLAR versus</b>			
Euro	676,731	147,886	14,581
Japanese yen	424,163	101,881	9,015
British pound	245,957	96,919	5,647
Canadian dollar	376,395	55,150	6,619
Swiss franc	198,074	35,751	3,520
Australian dollar	126,021	17,902	793
Argentine peso	5	28	5
Brazilian real	386	822	213
Chilean peso	120	170	28
Mexican peso	126,493	25,406	4,157
All other currencies	202,389	24,216	1,569
<b>EURO versus</b>			
Japanese yen	7,207	1,873	228
British pound	3,944	2,576	350
Swiss franc	2,261	789	61
<b>ALL OTHER CURRENCY PAIRS</b>			
	9,599	7,167	815
<b>Total<sup>a</sup></b>	<b>2,399,745</b>	<b>518,536</b>	<b>47,601</b>

Note: The table reports notional amounts of total monthly volume that are not adjusted to eliminate trades between reporting dealers.

<sup>a</sup>Figures may not sum to totals because of rounding.

#### 4c. OVER-THE-COUNTER FOREIGN EXCHANGE OPTIONS, Total Monthly Volume by Maturity

Millions of U.S. Dollars

Currency Pair	Maturity		
	Less Than One Month	One Month to Six Months	More Than Six Months
<b>U.S. DOLLAR versus</b>			
Euro	120,522	136,462	20,795
Japanese yen	75,685	98,233	53,612
British pound	18,738	18,135	4,083
Canadian dollar	45,134	38,844	6,783
Swiss franc	13,079	7,724	1,123
Australian dollar	15,119	14,033	1,845
Argentine peso	164	291	0
Brazilian real	1,316	4,039	1,056
Chilean peso	157	615	150
Mexican peso	17,984	12,418	4,434
All other currencies	32,839	12,757	2,727
<b>EURO versus</b>			
Japanese yen	17,981	14,993	3,447
British pound	6,725	5,860	1,274
Swiss franc	8,501	7,634	802
<b>ALL OTHER CURRENCY PAIRS</b>			
	14,582	26,216	5,381
<b>Total<sup>a</sup></b>	<b>388,526</b>	<b>398,254</b>	<b>107,512</b>

Note: The table reports notional amounts of total monthly volume that are not adjusted to eliminate trades between reporting dealers.

<sup>a</sup>Figures may not sum to totals because of rounding.

