All data reported in millions of U.S. Dollars Average Daily Volume¹

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
TOTAL	371,431

Total Monthly Volume¹

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
TOTAL	7,428,637

A.1 Spot Transactions Daily Average¹ All data reported in millions of U.S. Dollars Notional amounts of average daily volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	ncy Pair Reporting Dealers		Other Financial Customers	Non-Financial Customers	TOTAL			
ISD versus								
EUR	14,453	30,718	13,445	4,791	63,407			
JPY	5,645	9,660	5,947	2,168	23,420			
GBP	3,359	6,294	3,732	4,795	18,180			
CAD	2,662	4,387	2,186	1,538	10,773			
CHF	2,459	4,321	2,378	1,155	10,313			
AUD	1,356	2,545	2,104	545	6,550			
ARS	5	7	5	4	21			
BRL	126	159	69	46	400			
CLP	48	77	22	22	169			
MXN	1,190	3,374	848	417	5,829			
All other currencies	970	2,193	4,882	1,432	9,477			
EUR versus								
JPY	1,358	2,966	835	391	5,550			
GBP	982	1,960	552	291	3,785			
CHF	1,044	2,557	366	462	4,429			
All Other Currency Pairs	967	2,376	1,856	932	6,131			
TOTAL ²	36,624	73,594	39,227	18,989	168,434			

Averaged using 20 trading days in October.
 Totals may not add due to rounding.

B.1 Outright Forwards Daily Average¹ All data reported in millions of U.S. Dollars Notional amounts of average daily volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL
USD versus					
EUR	915	2,745	4,522	3,137	11,319
JPY	638	2,079	4,200	2,074	8,991
GBP	566	707	2,313	1,630	5,216
CAD	374	611	1,226	1,352	3,563
CHF	355	675	1,599	575	3,204
AUD	210	623	951	488	2,272
ARS	8	13	6	4	31
BRL	233	533	263	67	1,096
CLP	83	286	47	21	437
MXN	233	520	571	325	1,649
All other currencies	578	1,751	2,280	1,306	5,915
EUR versus					
JPY	101	378	564	351	1,394
GBP	42	214	334	287	877
CHF	27	110	156	245	538
All Other Currency Pairs	119	646	762	980	2,507
TOTAL ²	4,482	11,891	19,794	12,842	49,009

Averaged using 20 trading days in October.
 Totals may not add due to rounding.

C.1 Foreign Exchange Swaps Daily Average¹ All data reported in millions of U.S. Dollars Notional amounts of average daily volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL				
ISD versus									
EUR	8,561	15,447	5,072	4,317	33,398				
JPY	6,255	9,628	2,978	1,637	20,498				
GBP	3,788	6,836	1,713	1,302	13,639				
CAD	4,302	8,981	2,121	2,202	17,606				
CHF	3,051	3,832	1,271	662	8,816				
AUD	1,056	3,798	758	569	6,181				
ARS	0	0	0	1	1				
BRL	24	15	6	2	47				
CLP	6	2	2	0	10				
MXN	1,945	3,111	513	289	5,858				
All other currencies	1,247	6,763	1,619	532	10,161				
EUR versus									
JPY	24	131	242	44	441				
GBP	9	94	98	134	335				
CHF	16	38	48	36	138				
All Other Currency Pairs	50	283	298	198	829				
TOTAL ²	30,335	58,959	16,739	11,925	117,958				

Averaged using 20 trading days in October.
 Totals may not add due to rounding.

D.1 Over-the-Counter Foreign Exchange Options Daily Average¹ All data reported in millions of U.S. Dollars Notional amounts of average daily volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL
USD versus					
EUR	2,960	3,055	2,995	1,912	10,922
JPY	2,236	2,425	3,730	750	9,141
GBP	291	733	304	428	1,756
CAD	1,218	1,071	545	487	3,321
CHF	187	312	309	102	910
AUD	281	480	420	88	1,269
ARS	4	4	7	5	20
BRL	52	82	75	60	269
CLP	8	24	6	2	40
MXN	233	949	237	91	1,510
All other currencies	226	314	1,482	169	2,191
EUR versus					
JPY	514	334	267	193	1,308
GBP	102	147	244	97	590
CHF	98	154	370	126	748
All Other Currency Pairs	274	402	759	600	2,035
TOTAL ²	8,684	10,486	11,750	5,110	36,030

Averaged using 20 trading days in October.
 Totals may not add due to rounding.

E.1 Execution Method Average Daily Volume¹ All data reported in millions of U.S. Dollars^{2,3}

Currency Pair	Inter-Dealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker	TOTAL	Total Number of Trades
USD versus							
EUR	16,519	33,984	54,704	17,027	23,695	145,929	29,614
JPY	11,238	24,135	22,750	7,457	11,246	76,826	12,054
GBP	2,908	16,568	15,868	4,782	6,669	46,795	8,456
CAD	7,288	11,267	12,794	3,219	9,254	43,821	7,315
CHF	3,538	6,963	10,776	3,068	4,951	29,295	5,672
AUD	1,957	5,134	6,412	2,395	3,276	19,175	4,329
ARS	22	38	7	4	20	91	34
BRL	411	950	55	172	658	2,246	448
CLP	212	382	15	5	185	799	151
MXN	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
EUR versus							
JPY	1,942	2,233	3,558	1,408	1,550	10,690	2,582
GBP	772	1,563	3,104	656	629	6,724	2,227
CHF	784	1,410	3,217	596	1,035	7,041	1,851
All Other Currency Pairs	3,826	4,321	1,475	1,075	2,215	12,913	3,459
TOTAL ⁴	58,229	128,473	142,886	45,096	76,874	451,558	86,515

Averaged using 20 trading days in October.
 Not adjusted to eliminate trades between Reporting Dealers.
 Contains estimated data.
 Totals may not add due to rounding. January 24, 2005

E.1a Execution Method Average Daily Volume¹ All data reported in millions of U.S. Dollars 2,3

Of Which, Instrument	Inter-Dealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker	TOTAL	Total Number of Trades
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
TOTAL INSTRUMENT⁴	58,229	128,472	142,886	45,096	76,874	451,557	86,515
Of Which, Market Participants							
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
Non-Financial Customers		32,235	1,294	7,980	4,442	45,951	9,348
TOTAL MARKET PARTICIPANTS ⁴	58,229	128,473	142,887	45,096	76,875	451,559	86,515

Averaged using 20 trading days in October.
 Not adjusted to eliminate trades between Reporting Dealers.
 Contains estimated data.

^{4.} Totals may not add due to rounding.

A.2 Spot Transactions Total Monthly Volume All data reported in millions of U.S. Dollars

Notional amounts of total monthly volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL
USD versus		-	-		
EUR	289,039	614,340	268,887	95,825	1,268,091
JPY	112,907	193,205	118,945	43,365	468,422
GBP	67,172	125,880	74,630	95,903	363,585
CAD	53,248	87,744	43,722	30,764	215,478
CHF	49,189	86,418	47,563	23,095	206,265
AUD	27,117	50,909	42,083	10,908	131,017
ARS	97	138	105	75	415
BRL	2,519	3,189	1,374	916	7,998
CLP	953	1,543	450	432	3,378
MXN	23,804	67,470	16,969	8,340	116,583
All other currencies	19,402	43,866	97,636	28,630	189,534
EUR versus					
JPY	27,170	59,318	16,691	7,819	110,998
GBP	19,645	39,206	11,050	5,815	75,716
CHF	20,889	51,147	7,310	9,235	88,581
All Other Currency Pairs	19,331	47,517	37,124	18,649	122,621
TOTAL ¹	732,482	1,471,890	784,539	379,771	3,368,682

B.2 Outright Forwards Total Monthly Volume All data reported in millions of U.S. Dollars Notional amounts of total monthly volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL			
JSD versus								
EUR	18,305	54,895	90,425	62,748	226,373			
JPY	12,751	41,585	84,002	41,490	179,828			
GBP	11,325	14,135	46,265	32,596	104,321			
CAD	7,482	12,213	24,527	27,036	71,258			
CHF	7,095	13,493	31,989	11,493	64,070			
AUD	4,200	12,462	19,021	9,753	45,436			
ARS	166	262	126	85	639			
BRL	4,651	10,654	5,261	1,345	21,911			
CLP	1,660	5,712	944	425	8,741			
MXN	4,659	10,409	11,426	6,491	32,985			
All other currencies	11,552	35,024	45,595	26,128	118,299			
EUR versus								
JPY	2,011	7,566	11,286	7,026	27,889			
GBP	845	4,273	6,688	5,736	17,542			
CHF	538	2,199	3,112	4,909	10,758			
All Other Currency Pairs	2,389	12,922	15,231	19,595	50,137			
TOTAL ¹	89,629	237,804	395,898	256,856	980,187			

C.2 Foreign Exchange Swaps Total Monthly Volume All data reported in millions of U.S. Dollars Notional amounts of total monthly volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL
USD versus					
EUR	171,218	308,912	101,415	86,332	667,877
JPY	125,097	192,568	59,563	32,743	409,971
GBP	75,765	136,721	34,251	26,038	272,775
CAD	86,049	179,611	42,427	44,037	352,124
CHF	61,028	76,636	25,420	13,242	176,326
AUD	21,115	75,960	15,163	11,376	123,614
ARS	7	1	0	26	34
BRL	475	298	130	45	948
CLP	117	39	48	0	204
MXN	38,908	62,226	10,258	5,771	117,163
All other currencies	24,949	135,253	32,389	10,646	203,237
EUR versus					
JPY	481	2,622	4,848	881	8,832
GBP	173	1,881	1,963	2,675	6,692
CHF	330	761	967	727	2,785
All Other Currency Pairs	1,009	5,659	5,959	3,952	16,579
TOTAL ¹	606,721	1,179,148	334,801	238,491	2,359,161

D.2 Over-the-Counter Foreign Exchange Options Total Monthly Volume All data reported in millions of U.S. Dollars Notional amounts of total monthly volume net of inter-dealer double-counting, by counterparty and currency pair

Currency Pair	Reporting Dealers	Other Dealers	Other Financial Customers	Non-Financial Customers	TOTAL
USD versus		-	-		
EUR	59,217	61,116	59,893	38,234	218,460
JPY	44,721	48,502	74,597	15,004	182,824
GBP	5,827	14,668	6,083	8,559	35,137
CAD	24,359	21,417	10,898	9,749	66,423
CHF	3,732	6,243	6,176	2,050	18,201
AUD	5,617	9,596	8,404	1,763	25,380
ARS	75	70	131	104	380
BRL	1,039	1,632	1,507	1,195	5,373
CLP	153	471	113	34	771
MXN	4,653	18,982	4,746	1,816	30,197
All other currencies	4,519	6,279	29,645	3,371	43,814
EUR versus					
JPY	10,281	6,673	5,342	3,851	26,147
GBP	2,045	2,948	4,889	1,938	11,820
CHF	1,969	3,090	7,395	2,518	14,972
All Other Currency Pairs	5,478	8,042	15,185	12,003	40,708
TOTAL ¹	173,685	209,729	235,004	102,189	720,607

E.2 Execution Method Total Monthly Volume All data reported in millions of U.S. Dollars^{1,2}

Currency Pair	Inter-Dealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker	TOTAL	Total Number of Trades	
JSD versus								
EUR	330,372	679,687	1,094,079	340,539	473,903	2,918,580	592,274	
JPY	224,760	482,709	454,998	149,139	224,915	1,536,521	241,075	
GBP	58,168	331,351	317,352	95,652	133,384	935,907	169,126	
CAD	145,750	225,348	255,872	64,371	185,080	876,421	146,290	
CHF	70,762	139,254	215,511	61,353	99,026	585,906	113,430	
AUD	39,148	102,685	128,248	47,897	65,518	383,496	86,579	
ARS	438	764	138	73	400	1,813	674	
BRL	8,220	18,992	1,107	3,440	13,155	44,914	8,954	
CLP	4,239	7,645	296	93	3,704	15,977	3,026	
MXN	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	
EUR versus								
JPY	38,830	44,651	71,162	28,169	30,997	213,809	51,645	
GBP	15,446	31,251	62,078	13,116	12,587	134,478	44,532	
CHF	15,682	28,195	64,333	11,912	20,700	140,822	37,025	
All Other Currency Pairs	76,522	86,423	29,499	21,499	44,309	258,252	69,178	
TOTAL ³	1,164,575	2,569,456	2,857,729	901,911	1,537,483	9,031,154	1,730,306	

Not adjusted to eliminate trades between Reporting Dealers.
 Contains estimated data.
 Totals may not add due to rounding. January 24, 2005

E.2a Execution Method **Total Monthly Volume** All data reported in millions of U.S. Dollars 1,2

Of Which, Instrument	Inter-Dealer Direct	Customer Direct	Electronic Brokering Systems	Electronic Trading Systems	Voice Broker	TOTAL	Total Number of Trades
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
TOTAL INSTRUMENT ³	1,164,575	2,569,456	2,857,729	901,911	1,537,483	9,031,154	1,730,306
Of Which, Market Participants							
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
TOTAL MARKET PARTICIPANTS ³	1,164,575	2,569,456	2,857,729	901,911	1,537,483	9,031,154	1,730,306

^{1.} Not adjusted to eliminate trades between Reporting Dealers.

Contains estimated data.
 Totals may not add due to rounding.

F.1 Maturity Information Outright Forwards Notional Amounts of Total Monthly Volume¹

Currency Pair	Maturity					
Currency Pair	Up to 1 Month	1 Month to 1 Year	More Than 1 Year			
USD versus						
EUR	148,074	93,107	3,556			
JPY	111,981	78,711	1,948			
GBP	60,211	54,460	968			
CAD	41,264	36,382	1,081			
CHF	37,426	33,160	570			
AUD	25,149	24,217	253			
ARS	236	563	4			
BRL	17,973	8,129	452			
CLP	4,491	5,769	132			
MXN	18,881	17,037	1,719			
All other currencies	57,095	69,732	3,017			
EUR versus						
JPY	21,264	8,570	55			
GBP	10,879	7,344	156			
CHF	8,812	2,265	210			
All Other Currency Pairs	37,115	15,141	257			
TOTAL ²	600,851	454,587	14,378			

^{1.} Not adjusted to eliminate trades between Reporting Dealers.

F.2 Maturity Information Foreign Exchange Swaps Notional Amounts of Total Monthly Volume¹

Currency Pair	Maturity					
Currency Fair	Up to 1 Month	1 Month to 1 Year	More Than 1 Year			
USD versus						
EUR	676,731	147,886	14,581			
JPY	424,163	101,881	9,015			
GBP	245,957	96,919	5,647			
CAD	376,395	55,150	6,619			
CHF	198,074	35,751	3,520			
AUD	126,021	17,902	793			
ARS	5	28	5			
BRL	386	822	213			
CLP	120	170	28			
MXN	126,493	25,406	4,157			
All other currencies	202,389	24,216	1,569			
EUR versus						
JPY	7,207	1,873	228			
GBP	3,944	2,576	350			
CHF	2,261	789	61			
All Other Currency Pairs	9,599	7,167	815			
TOTAL ²	2,399,745	518,536	47,601			

^{1.} Not adjusted to eliminate trades between Reporting Dealers.

F.3 Maturity Information Over-the-Counter Foreign Exchange Options Notional Amounts of Total Monthly Volume¹

Currency Pair	Maturity					
Currency Pair	Up to 1 Month	1 to 6 Months	Over 6 Months			
USD versus						
EUR	120,522	136,462	20,795			
JPY	75,685	98,233	53,612			
GBP	18,738	18,135	4,083			
CAD	45,134	38,844	6,783			
CHF	13,079	7,724	1,123			
AUD	15,119	14,033	1,845			
ARS	164	291	0			
BRL	1,316	4,039	1,056			
CLP	157	615	150			
MXN	17,984	12,418	4,434			
All other currencies	32,839	12,757	2,727			
EUR versus						
JPY	17,981	14,993	3,447			
GBP	6,725	5,860	1,274			
CHF	8,501	7,634	802			
All Other Currency Pairs	14,582	26,216	5,381			
TOTAL ²	388,526	398,254	107,512			

^{1.} Not adjusted to eliminate trades between Reporting Dealers.