

**FOREIGN EXCHANGE COMMITTEE  
SEMI-ANNUAL FOREIGN EXCHANGE VOLUME SURVEY  
OCTOBER 2021**

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

Instrument	Current Amount Reported	Dollar Change over Previous Year	Percent Change over Previous Year
<b>Spot Transactions</b>	399,083	26,429	7.1%
<b>Forward Transactions</b>	186,450	2,459	1.3%
<b>Foreign Exchange Swaps Transactions</b>	358,030	27,354	8.3%
<b>Over the Counter Options</b>	45,854	-207	-0.4%
<b>GRAND TOTAL</b>	<b>989,417</b>	<b>56,035</b>	<b>6.0%</b>

Total Monthly Volume

Instrument	Current Amount Reported	Dollar Change over Previous Year	Percent Change over Previous Year
<b>Spot Transactions</b>	8,380,740	182,345	2.2%
<b>Forward Transactions</b>	3,915,439	-132,350	-3.3%
<b>Foreign Exchange Swaps Transactions</b>	7,518,632	243,760	3.4%
<b>Over the Counter Options</b>	962,936	-50,416	-5.0%
<b>GRAND TOTAL</b>	<b>20,777,747</b>	<b>243,339</b>	<b>1.2%</b>

Notes: The tables above report notional amounts of daily average and total monthly volume adjusted for double reporting of trades between reporting dealers.

There were 21 trading days in October 2021 and 22 trading days in October 2020.

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**OCTOBER 2021**

**1. TOTAL FOREIGN EXCHANGE VOLUME**

Millions of U.S. Dollars

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

<b>Instrument</b>	<b>Current Amount Reported</b>
Spot transactions	399,083
Outright forwards	186,450
Foreign exchange swaps	358,030
Over-the-counter foreign exchange options	45,854
<b>Total</b>	<b>989,417</b>

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

<b>Instrument</b>	<b>Current Amount Reported</b>
Spot transactions	8,380,740
Outright forwards	3,915,439
Foreign exchange swaps	7,518,632
Over-the-counter foreign exchange options	962,936
<b>Total</b>	<b>20,777,747</b>

<sup>a</sup>The data are adjusted for double reporting of trades between reporting dealers.

**FOREIGN EXCHANGE COMMITTEE**  
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**2a. SPOT TRANSACTIONS, Average Daily Volume**

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which Are Retail Driven	Of Which Are Prime Brokered
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers			
<b>U.S. DOLLAR versus</b>							
Euro	19,973	25,367	36,345	6,162	87,847	7,834	66,489
Japanese Yen	15,112	17,170	24,864	2,991	60,137	3,417	57,570
British Pound	9,147	11,305	15,238	2,826	38,516	3,419	29,978
Canadian Dollar	8,648	12,368	15,539	2,246	38,801	3,039	28,473
Swiss Franc	2,651	3,326	4,621	689	11,287	757	8,588
Australian Dollar	6,095	8,252	9,583	1,366	25,297	1,314	22,746
Argentine Peso	0	0	0	0	0	0	0
Brazilian Real	118	663	456	326	1,563	1	663
Chilean Peso	16	177	123	64	379	4	238
Mexican Peso	3,157	4,601	4,557	798	13,113	1,508	8,947
Chinese Yuan	1,952	936	2,962	169	6,019	42	5,517
New Zealand Dollar	1,882	2,050	2,783	355	7,071	418	6,604
Russian Ruble	1,348	1,125	2,155	134	4,762	393	4,872
Hong Kong Dollar	1,080	1,493	1,550	351	4,473	555	2,387
Singapore Dollar	1,716	1,220	2,057	257	5,250	366	4,901
Turkish Lira	480	598	848	126	2,053	95	2,047
Korean Won	41	56	26	24	148	3	160
Swedish Krona	954	1,118	1,825	209	4,106	439	3,265
South African Rand	1,266	1,504	1,965	168	4,903	265	4,488
Indian Rupee	64	102	70	58	294	18	154
Norwegian Krone	897	935	2,318	256	4,405	737	3,587
Other	4,538	8,102	9,135	2,513	24,288	2,477	21,824
<b>EURO versus</b>							
Japanese Yen	2,121	1,447	4,326	391	8,284	348	8,476
British Pound	1,801	1,781	4,459	538	8,579	396	6,341
Canadian Dollar	389	449	738	167	1,743	102	1,160
Swiss Franc	877	885	1,246	311	3,318	193	2,633
Australian Dollar	443	432	615	77	1,567	101	1,380
Swedish Krona	1,254	1,195	1,499	129	4,077	164	3,957
Norwegian Krone	1,264	1,018	1,599	127	4,008	413	3,690
Other	892	794	1,192	240	3,118	11	1,912
<b>JAPANESE YEN versus</b>							
Canadian Dollar	218	206	289	101	814	105	591
Australian Dollar	1,327	1,018	1,311	205	3,861	149	4,463
Brazilian Real	0	1	1	0	2	0	0
Other	1,847	1,125	2,217	302	5,491	28	5,913
<b>ALL OTHER CURRENCY PAIRS</b>	2,468	2,865	3,737	436	9,506	945	8,567
<b>Total<sup>a</sup></b>	<b>96,038</b>	<b>115,681</b>	<b>162,249</b>	<b>25,115</b>	<b>399,083</b>	<b>30,056</b>	<b>332,580</b>

Notes: The table reports notional amounts of average daily volume adjusted for double reporting of trades between reporting dealers. The amounts are averaged over 21 trading days in October.

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

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**2b. OUTRIGHT FORWARDS, Average Daily Volume**

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which Are Retail Driven	Of Which Are Prime Brokered	Of Which Are Non-Deliverable Forwards
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers				
<b>U.S. DOLLAR versus</b>								
Euro	2,411	2,220	25,634	4,936	35,200	2,135	8,104	783
Japanese Yen	1,762	1,864	11,542	1,861	17,027	1,006	9,144	370
British Pound	1,372	1,314	15,948	2,324	20,957	942	6,640	228
Canadian Dollar	1,125	1,943	9,546	1,877	14,491	1,076	3,413	229
Swiss Franc	486	406	2,784	412	4,089	132	1,516	59
Australian Dollar	1,217	1,230	6,879	704	10,030	977	4,839	111
Argentine Peso	1	1	4	6	12	0	0	12
Brazilian Real	1,998	2,265	2,945	1,768	8,977	38	852	10,636
Chilean Peso	486	801	1,403	622	3,312	1	294	3,724
Mexican Peso	580	779	3,212	550	5,121	111	2,854	73
Chinese Yuan	793	207	2,435	290	3,725	1	2,813	875
New Zealand Dollar	435	357	1,827	211	2,830	190	1,746	55
Russian Ruble	206	245	1,033	212	1,695	68	1,063	651
Hong Kong Dollar	85	182	554	165	985	74	320	8
Singapore Dollar	236	72	1,228	197	1,732	110	777	12
Turkish Lira	95	128	316	28	567	16	398	3
Korean Won	766	508	1,925	776	3,975	16	975	4,447
Swedish Krona	307	177	1,304	160	1,948	120	1,061	15
South African Rand	230	366	1,304	111	2,011	85	1,207	8
Indian Rupee	682	377	1,747	684	3,490	17	886	4,016
Norwegian Krone	282	127	1,781	307	2,496	179	1,639	31
Other	3,637	4,435	11,194	4,703	23,969	3,345	12,595	18,836
<b>EURO versus</b>								
Japanese Yen	142	250	1,800	215	2,407	80	733	0
British Pound	256	297	3,778	429	4,761	105	931	0
Canadian Dollar	73	81	547	108	808	45	206	0
Swiss Franc	80	130	786	97	1,092	20	288	0
Australian Dollar	53	80	369	31	533	17	164	0
Swedish Krona	63	50	274	25	413	22	208	0
Norwegian Krone	77	102	284	16	478	22	317	0
Other	241	233	995	194	1,664	4	819	220
<b>JAPANESE YEN versus</b>								
Canadian Dollar	26	28	178	83	315	27	85	0
Australian Dollar	163	139	288	37	627	21	542	0
Brazilian Real	1	18	33	6	57	0	0	50
Other	183	118	845	109	1,255	1	534	6
<b>ALL OTHER CURRENCY PAIRS</b>	460	347	2,303	291	3,401	311	1,431	404
<b>Total<sup>a</sup></b>	<b>21,008</b>	<b>21,874</b>	<b>119,022</b>	<b>24,545</b>	<b>186,450</b>	<b>11,313</b>	<b>69,393</b>	<b>45,861</b>

Notes: The table reports notional amounts of average daily volume adjusted for double reporting of trades between reporting dealers. The amounts are averaged over 21 trading days in October.

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

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which Are Retail Driven	Of Which Are Prime Brokered
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers			
<b>U.S. DOLLAR versus</b>							
Euro	20,418	33,755	23,761	6,157	84,091	5,374	14,124
Japanese Yen	16,669	17,609	18,844	2,593	55,715	2,968	25,067
British Pound	16,870	28,998	12,156	2,458	60,481	4,001	10,157
Canadian Dollar	13,751	23,982	13,780	3,033	54,546	3,967	7,709
Swiss Franc	4,728	4,354	1,901	703	11,686	996	2,043
Australian Dollar	8,368	9,743	6,496	879	25,486	1,121	7,806
Argentine Peso	0	0	0	0	1	0	0
Brazilian Real	3	70	218	8	299	0	0
Chilean Peso	2	8	2	0	12	0	4
Mexican Peso	5,507	4,797	2,944	628	13,875	2,324	3,398
Chinese Yuan	890	442	977	202	2,511	1	1,326
New Zealand Dollar	1,639	2,513	1,303	307	5,761	218	1,599
Russian Ruble	419	221	680	74	1,395	93	1,030
Hong Kong Dollar	881	1,316	438	106	2,740	431	645
Singapore Dollar	617	818	747	189	2,370	175	980
Turkish Lira	169	64	268	28	529	24	470
Korean Won	1	20	27	37	85	0	0
Swedish Krona	1,021	1,687	859	185	3,752	1,056	1,115
South African Rand	819	768	756	83	2,426	342	983
Indian Rupee	4	12	8	13	37	6	0
Norwegian Krone	1,623	1,088	1,263	467	4,440	847	2,452
Other	3,626	3,097	3,583	1,115	11,421	2,265	5,735
<b>EURO versus</b>							
Japanese Yen	88	414	1,968	46	2,517	83	759
British Pound	313	844	1,535	503	3,195	122	730
Canadian Dollar	80	182	576	127	965	32	109
Swiss Franc	220	253	600	155	1,229	35	154
Australian Dollar	19	142	281	26	468	11	27
Swedish Krona	58	73	348	41	519	63	88
Norwegian Krone	44	101	278	30	452	25	124
Other	222	247	377	287	1,131	0	278
<b>JAPANESE YEN versus</b>							
Canadian Dollar	27	16	196	21	261	7	28
Australian Dollar	75	110	261	1	446	8	203
Brazilian Real	0	0	2	0	2	0	0
Other	109	198	816	56	1,179	0	414
<b>ALL OTHER CURRENCY PAIRS</b>	313	382	1,003	310	2,008	220	439
<b>Total<sup>a</sup></b>	<b>99,591</b>	<b>138,321</b>	<b>99,250</b>	<b>20,868</b>	<b>358,030</b>	<b>26,814</b>	<b>89,996</b>

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**2d. OVER-THE-COUNTER FOREIGN EXCHANGE OPTIONS, Average Daily Volume**

Millions of U.S. Dollars

Currency Pair	Counterparty						
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers	Total	Of Which Are Retail Driven	Of Which Are Prime Brokered
<b>U.S. DOLLAR versus</b>							
Euro	1,773	2,398	2,097	968	7,236	1,415	2,152
Japanese Yen	1,739	2,161	1,747	390	6,037	785	2,284
British Pound	765	871	1,070	949	3,654	253	1,288
Canadian Dollar	1,754	1,500	1,268	450	4,972	482	1,376
Swiss Franc	115	169	151	42	478	37	186
Australian Dollar	542	782	847	262	2,433	238	1,170
Argentine Peso	0	0	0	0	0	0	0
Brazilian Real	800	772	854	300	2,726	377	990
Chilean Peso	178	138	193	1	509	109	281
Mexican Peso	822	890	959	181	2,853	321	730
Chinese Yuan	268	78	119	7	472	2	49
New Zealand Dollar	81	205	129	46	460	52	160
Russian Ruble	53	399	415	35	902	318	518
Hong Kong Dollar	1	7	10	3	20	2	5
Singapore Dollar	17	42	49	0	109	37	58
Turkish Lira	2	214	177	8	401	149	238
Korean Won	43	222	138	19	421	137	134
Swedish Krona	3	5	14	8	30	3	22
South African Rand	112	241	339	45	738	183	583
Indian Rupee	42	137	151	61	391	105	136
Norwegian Krone	9	16	4	5	34	10	11
Other	436	1,715	1,665	363	4,179	1,272	1,962
<b>EURO versus</b>							
Japanese Yen	142	84	251	20	497	24	178
British Pound	243	325	309	58	935	133	351
Canadian Dollar	232	175	231	31	669	37	153
Swiss Franc	90	129	183	25	427	82	198
Australian Dollar	61	119	95	5	280	6	72
Swedish Krona	22	48	58	8	136	21	42
Norwegian Krone	45	107	88	18	257	96	116
Other	277	214	361	84	935	0	570
<b>JAPANESE YEN versus</b>							
Canadian Dollar	17	30	36	1	83	17	31
Australian Dollar	105	152	259	380	896	263	247
Brazilian Real	10	4	8	0	22	2	17
Other	56	61	55	9	181	3	53
<b>ALL OTHER CURRENCY PAIRS</b>	194	692	528	65	1,479	573	603
<b>Total<sup>a</sup></b>	<b>11,047</b>	<b>15,103</b>	<b>14,856</b>	<b>4,849</b>	<b>45,854</b>	<b>7,545</b>	<b>16,961</b>

Notes: The table reports notional amounts of average daily volume adjusted for double reporting of trades between reporting dealers. The amounts are averaged over 21 trading days in October.

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

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

Millions of U.S. Dollars

Currency Pair	Voice		Execution Method							Total	Total Number of Trades
	Direct	Indirect	Direct	Electronic			Indirect	Other	Undistributed		
			Single Bank Proprietary Trading System	Other	Reuters Matching/EBS	Other Electronic Communication Network	Other				
<b>U.S. DOLLAR versus</b>											
Euro	51,855	46,236	22,942	67,747	17,743	40,677	4,092	7,656	258,947	110,904	
Japanese Yen	40,496	26,545	9,047	69,496	5,509	14,841	2,568	5,696	174,198	69,436	
British Pound	26,038	34,258	13,413	35,927	9,838	25,640	2,477	4,173	151,762	64,092	
Canadian Dollar	29,221	31,137	10,751	35,218	7,845	18,813	1,180	3,924	138,088	56,947	
Swiss Franc	5,726	8,736	2,032	9,321	2,526	5,174	850	1,155	35,520	19,650	
Australian Dollar	14,587	18,680	4,049	26,766	3,917	8,136	734	2,601	79,469	52,001	
Argentine Peso	2	0	0	1	5	4	0	0	13	336	
Brazilian Real	7,655	3,423	2,127	877	1,355	826	74	147	16,483	3,026	
Chilean Peso	2,460	1,276	452	168	6	436	19	78	4,895	1,096	
Mexican Peso	13,615	9,667	2,916	11,520	923	4,640	640	1,107	45,028	26,114	
Chinese Yuan	3,915	1,377	900	7,592	366	1,459	212	807	16,629	9,101	
New Zealand Dollar	4,072	3,890	1,411	6,599	696	2,346	182	963	20,160	18,081	
Russian Ruble	3,523	320	405	4,415	239	1,267	124	489	10,781	9,120	
Hong Kong Dollar	1,861	1,065	2,056	2,558	493	1,788	364	78	10,264	6,226	
Singapore Dollar	2,092	1,198	1,113	4,818	257	1,637	198	734	12,047	10,564	
Turkish Lira	1,432	128	147	1,983	100	257	123	127	4,297	4,866	
Korean Won	1,818	1,326	445	1,127	200	332	47	185	5,479	1,239	
Swedish Krona	1,954	1,666	754	5,295	252	1,677	94	430	12,121	8,223	
South African Rand	3,386	1,197	1,012	4,127	230	1,875	188	494	12,506	11,529	
Indian Rupee	1,806	1,032	281	1,179	208	352	42	105	5,005	2,034	
Norwegian Krone	2,750	1,660	1,064	6,365	524	1,211	73	540	14,186	6,570	
Other	25,395	6,565	7,039	24,622	4,192	6,184	941	1,156	76,094	64,947	
<b>EURO versus</b>											
Japanese Yen	3,280	925	792	7,639	257	1,849	171	1,283	16,198	15,901	
British Pound	3,985	1,117	2,205	6,318	371	5,296	198	593	20,082	21,255	
Canadian Dollar	1,408	400	546	1,180	70	1,149	61	145	4,960	3,918	
Swiss Franc	1,752	599	586	1,485	249	1,699	427	536	7,333	5,470	
Australian Dollar	833	165	394	1,058	63	709	51	151	3,424	3,576	
Swedish Krona	1,336	221	341	2,826	139	1,232	83	363	6,542	8,892	
Norwegian Krone	1,591	194	283	2,741	119	1,284	86	326	6,626	8,120	
Other	2,487	658	630	1,993	336	1,840	194	342	8,480	8,823	
<b>JAPANESE YEN versus</b>											
Canadian Dollar	507	146	235	498	39	232	12	92	1,760	2,452	
Australian Dollar	2,510	236	441	3,133	57	581	145	395	7,499	13,210	
Brazilian Real	38	9	11	10	6	21	0	0	95	5	
Other	2,599	334	498	4,763	60	1,096	221	729	10,300	15,973	
<b>ALL OTHER CURRENCY PAIRS</b>	5,025	854	1,424	7,641	242	3,700	426	516	19,828	29,055	
<b>Total<sup>a</sup></b>	<b>273,009</b>	<b>207,239</b>	<b>92,741</b>	<b>369,004</b>	<b>59,432</b>	<b>160,260</b>	<b>17,297</b>	<b>38,113</b>	<b>1,217,098</b>	<b>692,752</b>	

Notes: The amounts reported in the table are averaged over twenty one trading days in October and are not adjusted for double reporting of trades between reporting dealers.

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

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

Millions of U.S. Dollars

	Voice		Execution Method				Other	Undistributed	Total	Total Number of Trades
	Direct	Indirect	Direct	Electronic	Indirect	Other				
			Single Bank Proprietary Trading System	Other	Reuters Matching/EBS	Other Electronic Communication Network				
<b>INSTRUMENT</b>										
Spot transactions	129,832	19,053	36,366	209,817	19,014	50,954	7,109	22,976	495,120	587,102
Outright forwards	53,769	25,655	17,847	54,316	7,524	40,151	1,686	6,509	207,457	91,107
Foreign exchange swaps	56,815	153,470	34,076	104,609	32,328	62,180	6,888	7,255	457,621	11,931
OTC FX options	32,598	9,060	4,454	262	567	6,976	1,610	1,373	56,901	2,612
<b>Total<sup>a</sup></b>	<b>273,014</b>	<b>207,239</b>	<b>92,743</b>	<b>369,004</b>	<b>59,433</b>	<b>160,261</b>	<b>17,294</b>	<b>38,113</b>	<b>1,217,100</b>	<b>692,752</b>
<b>COUNTERPARTY</b>										
Reporting dealers	78,079	109,739	28,814	145,420	28,424	39,807	5,116	19,968	455,366	253,583
Banks/other dealers	72,727	69,476	23,554	65,263	21,277	31,368	2,638	4,676	290,979	163,470
Other financial customers	97,481	15,485	29,278	144,429	7,705	80,895	7,281	12,823	395,378	215,414
Nonfinancial customers	24,727	12,539	11,098	13,892	2,027	8,191	2,258	646	75,377	60,285
<b>Total<sup>a</sup></b>	<b>273,014</b>	<b>207,238</b>	<b>92,743</b>	<b>369,004</b>	<b>59,433</b>	<b>160,261</b>	<b>17,293</b>	<b>38,113</b>	<b>1,217,100</b>	<b>692,752</b>

Notes: The amounts reported in the table are averaged over twenty one trading days in October and are not adjusted for double reporting of trades between reporting dealers.

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**OCTOBER 2021**

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

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which	
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers		Are Retail Driven	Are Prime Brokered
<b>U.S. DOLLAR versus</b>							
Euro	419,431	532,709	763,247	129,399	1,844,786	164,513	1,396,258
Japanese Yen	317,348	360,560	522,153	62,815	1,262,876	71,765	1,208,972
British Pound	192,091	237,409	319,988	59,354	808,842	71,796	629,534
Canadian Dollar	181,608	259,726	326,319	47,174	814,827	63,818	597,925
Swiss Franc	55,670	69,845	97,048	14,468	237,031	15,906	180,347
Australian Dollar	128,004	173,300	201,237	28,694	531,235	27,596	477,670
Argentine Peso	0	1	0	1	2	1	0
Brazilian Real	2,471	13,915	9,578	6,848	32,812	21	13,927
Chilean Peso	338	3,711	2,572	1,340	7,961	85	5,006
Mexican Peso	66,307	96,619	95,699	16,754	275,379	31,671	187,879
Chinese Yuan	40,995	19,659	62,201	3,543	126,398	882	115,854
New Zealand Dollar	39,529	43,057	58,448	7,463	148,497	8,783	138,683
Russian Ruble	28,313	23,630	45,250	2,820	100,013	8,254	102,311
Hong Kong Dollar	22,675	31,350	32,551	7,363	93,939	11,646	50,133
Singapore Dollar	36,044	25,612	43,207	5,389	110,252	7,693	102,926
Turkish Lira	10,084	12,563	17,814	2,642	43,103	1,986	42,986
Korean Won	867	1,183	556	502	3,108	72	3,364
Swedish Krona	20,030	23,469	38,329	4,395	86,223	9,218	68,569
South African Rand	26,590	31,578	41,268	3,531	102,967	5,558	94,241
Indian Rupee	1,351	2,138	1,470	1,220	6,179	376	3,237
Norwegian Krone	18,835	19,635	48,675	5,374	92,519	15,470	75,329
Other	95,301	170,140	191,833	52,782	510,056	52,022	458,311
<b>EURO versus</b>							
Japanese Yen	44,531	30,383	90,848	8,218	173,980	7,314	177,988
British Pound	37,829	37,394	93,634	11,301	180,158	8,313	133,167
Canadian Dollar	8,178	9,425	15,487	3,510	36,600	2,149	24,355
Swiss Franc	18,412	18,572	26,169	6,531	69,684	4,055	55,288
Australian Dollar	9,307	9,067	12,911	1,626	32,911	2,112	28,982
Swedish Krona	26,324	25,106	31,472	2,706	85,608	3,444	83,097
Norwegian Krone	26,552	21,370	33,579	2,672	84,173	8,677	77,484
Other	18,734	16,679	25,029	5,037	65,479	237	40,141
<b>JAPANESE YEN versus</b>							
Canadian Dollar	4,579	4,318	6,074	2,120	17,091	2,197	12,410
Australian Dollar	27,864	21,371	27,535	4,309	81,079	3,122	93,715
Brazilian Real	0	23	23	0	46	0	0
Other	38,782	23,624	46,558	6,348	115,312	579	124,181
<b>ALL OTHER CURRENCY PAIRS</b>	51,822	60,162	78,474	9,163	199,621	19,845	179,916
<b>Total<sup>a</sup></b>	<b>2,016,789</b>	<b>2,429,303</b>	<b>3,407,236</b>	<b>527,412</b>	<b>8,380,740</b>	<b>631,176</b>	<b>6,984,186</b>

Notes: The table reports notional amounts of total monthly volume adjusted for double reporting of trades between reporting dealers.

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

**FOREIGN EXCHANGE COMMITTEE**  
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**OCTOBER 2021**

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

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which		Of Which	
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers		Are Retail Driven	Are Prime Brokered	Are Non-Deliverable	Of Which Forwards
<b>U.S. DOLLAR versus</b>									
Euro	50,623	46,622	538,308	103,652	739,205	44,844	170,187		16,442
Japanese Yen	36,996	39,142	242,371	39,071	357,580	21,121	192,015		7,765
British Pound	28,812	27,590	334,896	48,799	440,097	19,775	139,434		4,795
Canadian Dollar	23,628	40,806	200,462	39,415	304,311	22,593	71,669		4,806
Swiss Franc	10,215	8,528	58,469	8,648	85,860	2,784	31,844		1,247
Australian Dollar	25,555	25,839	144,454	14,784	210,632	20,514	101,613		2,329
Argentine Peso	12	13	87	135	247	1	0		253
Brazilian Real	41,967	47,560	61,847	37,141	188,515	787	17,897		223,353
Chilean Peso	10,211	16,811	29,472	13,062	69,556	25	6,167		78,196
Mexican Peso	12,172	16,349	67,461	11,556	107,538	2,323	59,926		1,526
Chinese Yuan	16,655	4,342	51,123	6,097	78,217	25	59,067		18,366
New Zealand Dollar	9,139	7,500	38,374	4,423	59,436	3,981	36,669		1,149
Russian Ruble	4,317	5,144	21,701	4,441	35,603	1,430	22,315		13,661
Hong Kong Dollar	1,786	3,814	11,625	3,457	20,682	1,553	6,723		167
Singapore Dollar	4,949	1,504	25,784	4,145	36,382	2,307	16,324		256
Turkish Lira	1,994	2,696	6,628	597	11,915	337	8,348		63
Korean Won	16,086	10,661	40,428	16,295	83,470	334	20,484		93,386
Swedish Krona	6,441	3,721	27,378	3,361	40,901	2,519	22,275		322
South African Rand	4,835	7,688	27,389	2,329	42,241	1,781	25,357		162
Indian Rupee	14,323	7,917	36,689	14,372	73,301	367	18,611		84,337
Norwegian Krone	5,919	2,663	37,389	6,435	52,406	3,753	34,420		655
Other	76,381	93,134	235,064	98,759	503,338	70,247	264,486		395,554
<b>EURO versus</b>									
Japanese Yen	2,992	5,253	37,792	4,514	50,551	1,681	15,400		0
British Pound	5,377	6,242	79,336	9,020	99,975	2,202	19,542		4
Canadian Dollar	1,531	1,689	11,489	2,259	16,968	940	4,325		2
Swiss Franc	1,673	2,727	16,492	2,041	22,933	423	6,042		0
Australian Dollar	1,114	1,670	7,757	648	11,189	366	3,448		3
Swedish Krona	1,331	1,046	5,750	537	8,664	468	4,373		0
Norwegian Krone	1,609	2,134	5,959	343	10,045	458	6,659		0
Other	5,057	4,899	20,903	4,076	34,935	79	17,192		4,621
<b>JAPANESE YEN versus</b>									
Canadian Dollar	541	587	3,735	1,748	6,611	559	1,791		0
Australian Dollar	3,414	2,924	6,055	771	13,164	449	11,389		0
Brazilian Real	30	374	685	115	1,204	0	0		1,046
Other	3,836	2,483	17,753	2,284	26,356	16	11,211		133
<b>ALL OTHER CURRENCY PAIRS</b>									
	9,654	7,291	48,361	6,115	71,421	6,527	30,052		8,486
<b>Total<sup>a</sup></b>	<b>441,165</b>	<b>459,363</b>	<b>2,499,466</b>	<b>515,445</b>	<b>3,915,439</b>	<b>237,569</b>	<b>1,457,255</b>		<b>963,085</b>

Notes: The table reports notional amounts of total monthly volume adjusted for double reporting of trades between reporting dealers.

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

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

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which Are Retail Driven	Of Which Are Prime Brokered
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers			
<b>U.S. DOLLAR versus</b>							
Euro	428,771	708,856	498,985	129,293	1,765,905	112,850	296,594
Japanese Yen	350,057	369,780	395,725	54,445	1,170,007	62,324	526,402
British Pound	354,262	608,947	255,268	51,625	1,270,102	84,009	213,309
Canadian Dollar	288,773	503,622	289,383	63,683	1,145,461	83,314	161,886
Swiss Franc	99,285	91,438	39,910	14,769	245,402	20,924	42,893
Australian Dollar	175,733	204,598	136,420	18,457	535,208	23,535	163,928
Argentine Peso	0	0	1	9	10	0	0
Brazilian Real	61	1,472	4,583	157	6,273	0	0
Chilean Peso	42	176	40	0	258	0	84
Mexican Peso	115,645	100,727	61,815	13,185	291,372	48,811	71,360
Chinese Yuan	18,692	9,271	20,514	4,248	52,725	30	27,846
New Zealand Dollar	34,416	52,762	27,369	6,444	120,991	4,569	33,580
Russian Ruble	8,797	4,651	14,286	1,552	29,286	1,951	21,625
Hong Kong Dollar	18,492	27,632	9,191	2,225	57,540	9,049	13,540
Singapore Dollar	12,948	17,176	15,694	3,962	49,780	3,671	20,574
Turkish Lira	3,560	1,339	5,626	591	11,116	508	9,877
Korean Won	15	426	560	786	1,787	0	0
Swedish Krona	21,446	35,424	18,051	3,877	78,798	22,174	23,425
South African Rand	17,202	16,135	15,873	1,745	50,955	7,186	20,639
Indian Rupee	88	251	165	270	774	120	0
Norwegian Krone	34,074	22,839	26,516	9,815	93,244	17,787	51,491
Other	76,140	65,037	75,246	23,418	239,841	47,566	120,435
<b>EURO versus</b>							
Japanese Yen	1,840	8,699	41,334	977	52,850	1,736	15,947
British Pound	6,572	17,726	32,224	10,571	67,093	2,559	15,336
Canadian Dollar	1,691	3,821	12,091	2,662	20,265	667	2,287
Swiss Franc	4,624	5,319	12,610	3,259	25,812	739	3,224
Australian Dollar	393	2,983	5,911	543	9,830	231	571
Swedish Krona	1,224	1,522	7,304	854	10,904	1,314	1,852
Norwegian Krone	920	2,111	5,831	628	9,490	527	2,604
Other	4,656	5,180	7,906	6,019	23,761	0	5,834
<b>JAPANESE YEN versus</b>							
Canadian Dollar	572	341	4,110	451	5,474	143	585
Australian Dollar	1,566	2,304	5,470	30	9,370	172	4,267
Brazilian Real	2	0	38	0	40	0	4
Other	2,288	4,151	17,148	1,172	24,759	3	8,691
<b>ALL OTHER CURRENCY PAIRS</b>	6,573	8,021	21,054	6,509	42,157	4,614	9,219
<b>Total<sup>a</sup></b>	<b>2,091,412</b>	<b>2,904,737</b>	<b>2,084,252</b>	<b>438,231</b>	<b>7,518,632</b>	<b>563,083</b>	<b>1,889,909</b>

Notes: The table reports notional amounts of total monthly volume adjusted for double reporting of trades between reporting dealers.

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

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**3d. OVER-THE-COUNTER FOREIGN EXCHANGE OPTIONS, Total Monthly Volume**

Millions of U.S. Dollars

Currency Pair	Counterparty				Total	Of Which	
	Reporting Dealers	Other Dealers	Other financial Customers	Nonfinancial Customers		Are Retail Driven	Are Prime Brokered
<b>U.S. DOLLAR versus</b>							
Euro	37,225	50,353	44,032	20,337	151,947	29,707	45,198
Japanese Yen	36,514	45,378	36,694	8,194	126,780	16,486	47,959
British Pound	16,065	18,293	22,458	19,928	76,744	5,317	27,043
Canadian Dollar	36,828	31,502	26,630	9,452	104,412	10,119	28,906
Swiss Franc	2,425	3,557	3,174	886	10,042	782	3,896
Australian Dollar	11,382	16,426	17,781	5,508	51,097	4,998	24,562
Argentine Peso	0	0	0	0	0	0	0
Brazilian Real	16,805	16,207	17,941	6,295	57,248	7,913	20,779
Chilean Peso	3,736	2,890	4,048	10	10,684	2,290	5,910
Mexican Peso	17,268	18,700	20,138	3,812	59,918	6,734	15,325
Chinese Yuan	5,624	1,643	2,496	137	9,900	47	1,031
New Zealand Dollar	1,694	4,303	2,699	969	9,665	1,093	3,368
Russian Ruble	1,117	8,377	8,716	741	18,951	6,676	10,872
Hong Kong Dollar	15	145	200	60	420	45	100
Singapore Dollar	362	883	1,034	7	2,286	780	1,224
Turkish Lira	46	4,500	3,709	166	8,421	3,126	4,990
Korean Won	893	4,649	2,893	405	8,840	2,874	2,811
Swedish Krona	71	99	295	169	634	70	452
South African Rand	2,347	5,072	7,127	948	15,494	3,843	12,238
Indian Rupee	873	2,883	3,169	1,287	8,212	2,207	2,845
Norwegian Krone	191	333	75	113	712	200	237
Other	9,162	36,015	34,970	7,621	87,768	26,702	41,210
<b>EURO versus</b>							
Japanese Yen	2,974	1,771	5,271	417	10,433	500	3,739
British Pound	5,092	6,827	6,485	1,223	19,627	2,798	7,369
Canadian Dollar	4,884	3,679	4,840	648	14,051	785	3,202
Swiss Franc	1,885	2,713	3,845	533	8,976	1,731	4,165
Australian Dollar	1,277	2,501	1,994	106	5,878	125	1,504
Swedish Krona	470	1,013	1,216	158	2,857	448	880
Norwegian Krone	948	2,238	1,850	369	5,405	2,016	2,435
Other	5,814	4,491	7,579	1,755	19,639	5	11,974
<b>JAPANESE YEN versus</b>							
Canadian Dollar	347	629	756	21	1,753	353	659
Australian Dollar	2,200	3,202	5,440	7,978	18,820	5,525	5,182
Brazilian Real	207	78	177	7	469	49	354
Other	1,178	1,272	1,159	194	3,803	65	1,106
<b>ALL OTHER CURRENCY PAIRS</b>	4,071	14,532	11,083	1,372	31,058	12,028	12,653
<b>Total<sup>a</sup></b>	<b>231,982</b>	<b>317,154</b>	<b>311,974</b>	<b>101,826</b>	<b>962,936</b>	<b>158,437</b>	<b>356,178</b>

Notes: The table reports notional amounts of total monthly volume adjusted for double reporting of trades between reporting dealers.

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

**FOREIGN EXCHANGE COMMITTEE**  
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**3e. TOTAL MONTHLY VOLUME, by Execution Method and Currency Pair**  
Millions of U.S. Dollars

Currency Pair	Voice		Execution Method							Total	Total Number of Trades
	Direct	Indirect	Direct Single Bank Proprietary Trading System	Other	Electronic Reuters Matching/EBS	Indirect Other Electronic Communication Network	Other	Undistributed			
<b>U.S. DOLLAR versus</b>											
Euro	1,088,947	970,952	481,784	1,422,687	372,600	854,210	85,938	160,773	5,437,891	2,328,983	
Japanese Yen	850,417	557,450	189,981	1,459,407	115,693	311,662	53,933	119,614	3,658,157	1,458,155	
British Pound	546,797	719,421	281,668	754,460	206,588	538,437	52,015	87,626	3,187,012	1,345,927	
Canadian Dollar	613,640	653,867	225,768	739,578	164,733	395,084	24,781	82,396	2,899,847	1,195,887	
Swiss Franc	120,255	183,454	42,671	195,747	53,040	108,667	17,837	24,256	745,927	412,644	
Australian Dollar	306,329	392,280	85,036	562,078	82,256	170,847	15,408	54,610	1,668,844	1,092,016	
Argentine Peso	40	8	6	13	113	91	0	0	271	7,057	
Brazilian Real	160,749	71,879	44,668	18,415	28,457	17,347	1,547	3,088	346,150	63,541	
Chilean Peso	51,655	26,784	9,491	3,523	135	9,161	402	1,633	102,784	23,011	
Mexican Peso	285,919	203,009	61,233	241,907	19,388	97,451	13,446	23,245	945,598	548,405	
Chinese Yuan	82,221	28,908	18,907	159,434	7,698	30,637	4,451	16,948	349,204	191,123	
New Zealand Dollar	85,515	81,689	29,633	138,580	14,623	49,271	3,829	20,226	423,366	379,704	
Russian Ruble	73,979	6,707	8,503	92,714	5,022	26,612	2,593	10,265	226,395	191,525	
Hong Kong Dollar	39,089	22,358	43,181	53,717	10,360	37,557	7,645	1,641	215,548	130,746	
Singapore Dollar	43,935	25,157	23,381	101,172	5,393	34,377	4,169	15,417	253,001	221,845	
Turkish Lira	30,065	2,697	3,079	41,644	2,105	5,397	2,591	2,659	90,237	102,183	
Korean Won	38,173	27,848	9,343	23,680	4,192	6,964	979	3,884	115,063	26,018	
Swedish Krona	41,041	34,985	15,832	111,192	5,292	35,211	1,966	9,022	254,541	172,673	
South African Rand	71,099	25,136	21,248	86,664	4,821	39,361	3,937	10,364	262,630	242,117	
Indian Rupee	37,929	21,671	5,902	24,768	4,356	7,387	876	2,209	105,098	42,704	
Norwegian Krone	57,746	34,852	22,337	133,665	11,007	25,426	1,528	11,336	297,897	137,962	
Other	533,296	137,864	147,823	517,064	88,039	129,872	19,760	24,268	1,597,986	1,363,896	
<b>EURO versus</b>											
Japanese Yen	68,882	19,433	16,635	160,420	5,396	38,832	3,600	26,950	340,148	333,915	
British Pound	83,685	23,458	46,309	132,676	7,784	111,206	4,160	12,443	421,721	446,364	
Canadian Dollar	29,560	8,406	11,477	24,787	1,475	24,125	1,291	3,043	104,164	82,283	
Swiss Franc	36,796	12,571	12,310	31,178	5,237	35,679	8,963	11,263	153,997	114,857	
Australian Dollar	17,500	3,457	8,270	22,208	1,315	14,889	1,077	3,181	71,897	75,105	
Swedish Krona	28,047	4,646	7,158	59,354	2,931	25,877	1,746	7,621	137,380	186,733	
Norwegian Krone	33,405	4,078	5,957	57,565	2,507	26,976	1,804	6,848	139,140	170,521	
Other	52,239	13,816	13,227	41,841	7,062	38,629	4,080	7,179	178,073	185,281	
<b>JAPANESE YEN versus</b>											
Canadian Dollar	10,643	3,071	4,930	10,447	825	4,870	258	1,923	36,967	51,482	
Australian Dollar	52,717	4,952	9,265	65,797	1,207	12,191	3,046	8,300	157,475	277,410	
Brazilian Real	790	194	233	216	115	449	0	0	1,997	115	
Other	54,580	7,027	10,455	100,028	1,256	23,013	4,640	15,313	216,312	335,436	
<b>ALL OTHER CURRENCY PAIRS</b>	105,521	17,926	29,905	160,464	5,075	77,709	8,951	10,824	416,375	610,164	
<b>Total<sup>a</sup></b>	<b>5,733,201</b>	<b>4,352,011</b>	<b>1,947,606</b>	<b>7,749,090</b>	<b>1,248,096</b>	<b>3,365,474</b>	<b>363,247</b>	<b>800,368</b>	<b>25,559,093</b>	<b>14,547,788</b>	

Notes: The table reports notional amounts of total monthly volume that are not adjusted for double reporting of trades between reporting dealers.

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

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

Millions of U.S. Dollars

Currency Pair	Voice		Direct		Execution Method Electronic		Indirect		Total	Total Number of Trades
	Direct	Indirect	Single Bank Proprietary Trading System	Other	Reuters Matching/EBS	Other Electronic Communication Network	Other	Undistributed		
<b>INSTRUMENT</b>										
Spot transactions	2,726,463	400,110	763,691	4,406,165	399,298	1,070,026	149,281	482,494	10,397,528	12,329,151
Outright forwards	1,129,156	538,753	374,785	1,140,633	158,002	843,174	35,416	136,685	4,356,604	1,913,238
Foreign exchange swaps	1,193,103	3,222,877	715,602	2,196,797	678,893	1,305,776	144,648	152,348	9,610,044	250,553
OTC FX options	684,564	190,273	93,532	5,494	11,901	146,497	33,815	28,841	1,194,917	54,846
<b>Total<sup>a</sup></b>	<b>5,733,286</b>	<b>4,352,013</b>	<b>1,947,610</b>	<b>7,749,089</b>	<b>1,248,094</b>	<b>3,365,473</b>	<b>363,160</b>	<b>800,368</b>	<b>25,559,093</b>	<b>14,547,788</b>
<b>COUNTERPARTY</b>										
Reporting dealers	1,639,654	2,304,519	605,088	3,053,819	596,900	835,950	107,435	419,329	9,562,694	5,325,244
Banks/other dealers	1,527,262	1,458,993	494,630	1,370,535	446,818	658,731	55,394	98,194	6,110,557	3,432,863
Other financial customers	2,047,109	325,189	614,836	3,033,009	161,805	1,698,784	152,909	269,287	8,302,928	4,523,687
Non-financial customers	519,260	263,314	233,056	291,728	42,571	172,006	47,421	13,558	1,582,914	1,265,994
<b>Total<sup>a</sup></b>	<b>5,733,285</b>	<b>4,352,015</b>	<b>1,947,610</b>	<b>7,749,091</b>	<b>1,248,094</b>	<b>3,365,471</b>	<b>363,159</b>	<b>800,368</b>	<b>25,559,093</b>	<b>14,547,788</b>

Notes: The table reports notional amounts of total monthly volume that are not adjusted for double reporting of trades between reporting dealers.

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

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

Millions of U.S. Dollars

Currency Pair	Maturity		
	Seven Days or Less	Over Seven Days and Up to One Year	Over One Year
<b>U.S. DOLLAR versus</b>			
Euro	284,274	485,111	20,442
Japanese Yen	132,183	249,450	12,942
British Pound	151,463	300,538	16,908
Canadian Dollar	116,490	201,044	10,405
Swiss Franc	31,210	62,012	2,852
Australian Dollar	86,977	144,961	4,248
Argentine Peso	126	133	0
Brazilian Real	98,370	128,718	3,394
Chilean Peso	13,184	64,462	2,120
Mexican Peso	43,918	71,939	3,852
Chinese Yuan	29,588	62,635	2,648
New Zealand Dollar	24,699	43,115	761
Russian Ruble	9,871	29,727	321
Hong Kong Dollar	10,464	11,701	302
Singapore Dollar	11,659	28,863	809
Turkish Lira	3,976	9,831	102
Korean Won	18,329	78,360	2,866
Swedish Krona	13,667	32,423	1,251
South African Rand	18,265	28,097	713
Indian Rupee	10,544	74,160	2,920
Norwegian Krone	14,247	43,181	897
Other	145,756	425,718	8,245
<b>EURO versus</b>			
Japanese Yen	12,217	40,002	1,323
British Pound	30,910	73,475	966
Canadian Dollar	4,592	13,468	438
Swiss Franc	7,519	16,366	721
Australian Dollar	4,670	7,571	61
Swedish Krona	3,957	5,906	131
Norwegian Krone	5,371	6,222	61
Other	11,468	27,006	1,517
<b>JAPANESE YEN versus</b>			
Canadian Dollar	1,210	5,942	0
Australian Dollar	7,733	8,735	110
Brazilian Real	574	659	0
Other	11,053	18,447	691
<b>ALL OTHER CURRENCY PAIRS</b>			
	28,048	51,837	1,190
<b>Total<sup>a</sup></b>	<b>1,398,582</b>	<b>2,851,815</b>	<b>106,207</b>

Notes: The table reports notional amounts of total monthly volume that are not adjusted for double reporting of trades between reporting dealers.

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

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

Millions of U.S. Dollars

Currency Pair	Maturity		
	Seven Days or Less	Over Seven Days and Up to One Year	Over One Year
<b>U.S. DOLLAR versus</b>			
Euro	1,319,271	864,733	10,671
Japanese Yen	969,116	541,035	9,913
British Pound	1,019,584	599,315	5,464
Canadian Dollar	956,019	469,269	8,946
Swiss Franc	231,089	111,112	2,485
Australian Dollar	436,643	269,414	4,884
Argentine Peso	0	10	0
Brazilian Real	0	6,292	41
Chilean Peso	3	297	0
Mexican Peso	251,746	149,830	5,441
Chinese Yuan	29,163	39,232	3,022
New Zealand Dollar	104,127	50,801	479
Russian Ruble	21,281	16,506	296
Hong Kong Dollar	44,038	31,556	438
Singapore Dollar	26,174	34,952	1,601
Turkish Lira	8,258	6,195	222
Korean Won	0	1,801	0
Swedish Krona	58,540	40,899	804
South African Rand	41,773	26,113	271
Indian Rupee	29	789	43
Norwegian Krone	71,897	54,295	1,125
Other	168,070	143,419	4,492
<b>EURO versus</b>			
Japanese Yen	16,971	36,977	742
British Pound	20,003	52,832	830
Canadian Dollar	3,483	18,400	72
Swiss Franc	5,309	24,454	673
Australian Dollar	3,477	6,698	47
Swedish Krona	4,385	7,595	148
Norwegian Krone	4,646	5,710	53
Other	11,883	15,347	1,186
<b>JAPANESE YEN versus</b>			
Canadian Dollar	2,230	3,812	4
Australian Dollar	1,476	9,048	411
Brazilian Real	2	40	0
Other	13,507	13,215	324
<b>ALL OTHER CURRENCY PAIRS</b>			
	15,085	33,343	302
<b>Total<sup>a</sup></b>	<b>5,859,278</b>	<b>3,685,336</b>	<b>65,430</b>

Notes: The table reports notional amounts of total monthly volume that are not adjusted for double reporting of trades between reporting dealers.

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



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

Millions of U.S. Dollars

Currency Pair	Maturity		
	Seven Days or Less	Over Seven Days and Up to One Year	Over One Year
<b>U.S. DOLLAR versus</b>			
Euro	34,445	144,002	10,725
Japanese Yen	25,081	130,470	7,743
British Pound	25,319	61,004	6,485
Canadian Dollar	28,804	107,565	4,871
Swiss Franc	1,736	10,430	300
Australian Dollar	7,038	53,570	1,870
Argentine Peso	0	0	0
Brazilian Real	14,631	57,239	2,183
Chilean Peso	535	13,725	160
Mexican Peso	15,213	57,266	4,707
Chinese Yuan	553	12,646	2,324
New Zealand Dollar	1,159	9,822	377
Russian Ruble	1,654	18,228	185
Hong Kong Dollar	0	335	100
Singapore Dollar	280	2,343	25
Turkish Lira	378	8,078	10
Korean Won	1,941	7,782	10
Swedish Krona	111	584	9
South African Rand	1,264	16,113	464
Indian Rupee	691	7,505	888
Norwegian Krone	239	663	0
Other	7,005	85,177	4,748
<b>EURO versus</b>			
Japanese Yen	1,920	11,176	310
British Pound	4,707	19,440	571
Canadian Dollar	3,531	15,196	207
Swiss Franc	767	10,090	3
Australian Dollar	339	6,711	105
Swedish Krona	175	3,151	0
Norwegian Krone	283	6,046	24
Other	1,619	20,762	3,072
<b>JAPANESE YEN versus</b>			
Canadian Dollar	58	2,041	0
Australian Dollar	6,032	14,541	447
Brazilian Real	69	607	0
Other	463	4,451	67
<b>ALL OTHER CURRENCY PAIRS</b>			
	3,378	30,860	890
<b>Total<sup>a</sup></b>	<b>191,418</b>	<b>949,619</b>	<b>53,880</b>

Notes: The table reports notional amounts of total monthly volume that are not adjusted for double reporting of trades between reporting dealers.

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