

Table A1

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
(in millions of USD)

Instruments	USD against																						
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK	SGD	TRY	TWD	ZAR	Other <sup>2</sup>	TOT
<b>SPOT <sup>3</sup></b>																							
with reporting dealers	483,147	9,530	589,061	318,949	503,642	1,660,312	823,669	119,759	4,539	1,136,846	2,176	264,636	58,806	125,999	18,712	3,634	64,811	174,473	28,029	2,441	82,001	264,519	6,739,284
local	118,832	2,849	81,342	54,840	70,639	259,935	163,151	23,553	381	118,927	299	37,192	11,736	22,108	3,940	136	10,031	29,239	4,396	283	15,358	37,421	1,066,581
cross-border	364,315	6,681	507,719	264,109	433,003	1,400,377	660,518	96,206	4,158	1,017,919	1,877	227,444	47,070	103,491	14,772	3,498	54,780	145,234	23,633	2,158	66,643	227,098	5,672,703
with other financial institutions	382,096	9,089	521,050	213,078	314,888	1,333,061	568,045	113,450	4,485	1,070,594	4,283	207,192	69,982	93,591	20,522	1,290	76,725	102,859	22,504	2,517	79,357	408,991	5,619,649
local	217,952	3,059	293,314	123,237	168,070	772,043	342,248	50,143	403	456,466	602	98,849	45,459	52,825	9,812	752	45,411	46,736	11,581	178	45,500	168,236	2,952,876
cross-border	164,144	6,030	227,736	89,841	146,818	561,018	225,797	63,307	4,082	614,128	3,681	108,343	24,523	40,766	10,710	538	31,314	56,123	10,923	2,339	33,857	240,755	2,666,773
non-reporting banks	138,998	4,426	212,030	75,654	112,250	503,524	195,226	36,666	3,973	402,981	3,680	96,478	19,582	33,279	7,611	884	27,523	38,218	6,548	1,673	28,599	130,130	2,079,933
institutional investors	119,410	3,653	140,769	67,904	99,280	382,463	164,802	39,905	19	265,544	15	46,881	15,106	28,400	6,874	153	26,955	31,867	8,664	11	24,645	68,280	1,541,600
hedge funds and proprietary trading firms	102,521	369	110,649	48,408	76,299	345,727	170,818	10,814	290	205,461	303	43,744	19,457	24,428	3,322	146	13,099	27,085	2,961	508	17,802	63,961	1,288,172
official sector financial institutions	603	478	2,177	1,232	3,599	4,118	2,806	588	6	1,197	0	239	259	293	198	11	232	66	303	0	45	1,167	19,637
others	20,390	67	55,184	19,832	23,456	96,489	33,981	25,377	153	195,274	132	19,766	15,563	7,186	2,517	96	8,902	5,618	4,018	132	8,261	145,062	687,456
undistributed	174	96	241	48	4	740	412	100	44	137	153	84	15	5	0	0	14	5	10	193	5	371	2,851
with non-financial customers	37,330	261	52,364	12,080	32,519	118,961	44,478	5,349	1,322	97,232	606	22,284	6,775	8,354	1,856	335	7,402	16,498	986	149	3,649	19,359	490,129
local	29,104	196	43,209	9,873	24,145	80,749	33,731	3,769	878	55,066	501	19,136	6,321	7,812	1,526	282	6,651	14,391	919	127	2,868	14,408	355,662
cross-border	8,226	65	9,155	2,187	8,374	38,212	10,747	1,580	444	42,166	105	3,148	454	542	330	53	751	2,107	67	22	781	4,951	134,467
<b>TOTAL SPOT</b>	902,573	18,880	1,162,475	544,087	851,049	3,112,334	1,436,192	238,558	10,346	2,304,672	7,065	494,112	135,563	227,544	41,090	5,259	148,938	293,830	51,519	5,107	165,007	692,869	12,849,062
o/w prime brokered	401,314	335	505,758	198,071	327,080	1,233,216	539,402	74,609	11	1,118,031	44	200,585	60,779	106,099	18,380	183	66,543	115,114	21,080	314	86,366	370,370	5,443,684
o/w retail-driven	4,434	43	9,581	2,464	3,950	17,586	9,606	926	362	36,707	61	4,972	340	931	59	0	631	1,768	61	175	705	739	96,101
<b>OUTRIGHT FORWARDS <sup>4</sup></b>																							
with reporting dealers	171,256	256,243	164,852	119,004	145,585	595,034	366,877	52,104	105,021	404,319	121,681	64,077	28,877	49,683	9,137	11,482	25,671	52,160	6,429	67,121	23,618	319,867	3,160,097
local	29,876	105,073	17,921	17,940	14,154	71,385	52,176	6,061	14,731	32,301	14,974	7,562	4,543	5,147	1,199	4,328	2,995	4,285	274	11,952	2,740	47,428	469,042
cross-border	141,382	151,170	146,931	101,064	131,431	523,649	314,701	46,043	90,290	372,018	106,707	56,515	24,334	44,536	7,938	7,154	22,676	47,875	6,155	55,169	20,878	272,439	2,691,055
with other financial institutions	152,945	203,069	188,797	72,327	136,817	696,619	329,222	34,821	54,274	327,225	59,430	71,463	25,978	45,455	12,078	2,374	34,351	46,235	6,754	47,557	36,942	423,195	3,007,928
local	77,229	54,774	82,321	36,707	60,095	295,152	131,435	15,967	17,097	161,601	21,324	27,480	14,011	27,212	5,521	1,750	16,503	16,455	2,374	11,929	16,458	152,762	1,252,150
cross-border	75,716	148,295	106,476	35,627	70,722	401,467	197,787	18,854	37,177	165,624	38,106	43,983	11,967	18,243	6,557	624	17,848	29,780	4,380	35,628	20,484	270,433	1,755,778
non-reporting banks	31,635	105,631	41,888	15,566	25,034	159,969	41,394	5,992	13,293	82,646	18,340	21,185	5,036	6,914	2,539	643	11,619	7,144	1,199	9,851	5,495	128,507	741,520
institutional investors	43,447	29,134	54,799	24,632	29,216	297,642	156,622	5,918	14,953	67,345	13,668	14,513	6,723	15,683	3,382	672	7,634	12,917	1,175	8,189	11,386	69,584	889,234
hedge funds and proprietary trading firms	53,124	51,533	58,776	19,914	55,276	167,473	80,954	12,574	16,099	103,896	17,519	26,999	8,884	15,389	4,151	831	8,989	16,427	3,165	10,254	13,639	96,789	842,555
official sector financial institutions	7,020	3,308	3,047	1,756	2,232	8,803	2,244	896	193	25,607	384	673	307	840	44	0	450	3,935	24	53	210	4,038	66,064
others	16,923	13,455	27,616	10,392	25,029	59,342	43,853	9,439	9,669	47,629	9,398	7,825	5,026	6,629	1,962	228	5,656	5,812	1,191	19,205	6,206	123,980	456,465
undistributed	796	8	2,671	67	30	3,390	4,155	2	67	102	121	268	2	0	0	0	3	0	0	5	6	297	11,990
with non-financial customers	17,513	17,529	30,405	9,031	17,783	84,246	37,052	5,028	14,261	56,798	7,689	12,977	4,146	4,509	1,486	1,203	3,423	7,030	267	3,983	2,721	26,773	365,853
local	12,382	9,106	14,167	5,966	12,946	54,237	26,859	1,343	6,673	38,643	6,104	8,517	3,284	4,133	1,089	718	2,900	5,680	225	2,398	1,925	18,735	238,030
cross-border	5,131	8,423	16,238	3,065	4,837	30,009	10,193	3,685	7,588	18,155	1,585	4,460	862	376	397	485	523	1,350	42	1,585	796	8,038	127,823
<b>TOTAL OUTRIGHT FORWARDS</b>	341,716	476,841	384,054	200,362	300,185	1,375,899	733,151	91,953	173,556	788,342	188,800	148,517	59,001	99,647	22,701	15,059	63,445	105,425	13,450	118,661	63,281	769,835	6,533,878
o/w prime brokered	51,166	8,934	74,761	33,689	80,657	166,128	58,113	16,087	3,245	98,816	3,568	51,320	16,040	27,432	8,501	850	19,155	21,093	4,996	1,918	21,391	198,243	966,103
o/w retail-driven	721	691	1,816	171	133	5,059	1,879	167	482	801	167	630	46	36	25	3	186	115	1	84	66	412	13,691
o/w non-deliverable forwards <sup>5</sup>	0	424,214	0	0	30,415	0	0	0	119,353	0	141,490	0	0	0	0	1,036	0	0	0	87,554	0	379,994	1,184,056
<b>MATURITIES OUTRIGHT FORWARDS</b>																							
one day	52,608	33,360	73,948	49,648	27,699	235,664	109,201	23,583	12,636	96,602	10,400	19,152	9,387	13,362	4,762	752	9,270	15,327	4,782	6,369	8,991	71,520	883,603
over 1 day and up to 7 days	120,306	169,060	95,752	77,474	128,553	445,059	319,827	35,684	23,918	285,699	23,129	49,977	17,774	32,418	5,885	2,670	12,891	43,312	4,197	10,946	23,791	129,833	2,058,636
over 7 days and up to 1 month	81,153	129,267	80,384	25,882	37,476	284,089	112,655	9,723	49,612	188,398	47,953	26,591	10,374	21,208	3,660	3,652	18,704	12,402	880	34,227	6,790	172,406	1,362,482
over 1 month and up to 3 months	66,734	114,876	99,781	38,601	72,555	280,491	159,065	9,270	73,936	162,530	89,325	40,237	17,617	26,689	7,044	4,068	20,049	28,466	1,481	58,321	19,324	322,217	1,713,850
over 3 months and up to 6 months	12,277	21,716	24,644	5,286	17,807	63,152	22,025	4,421	5,134	34,923	9,572	5,090	3,433	2,433	835	1,513	1,386	4,135	1,674	4,656	2,952	42,141	294,009
over 6 months	8,639	8,561	9,545	3,472	16,095	67,443	10,378	9,272	8,319	20,190	8,422	4,469	334	3,537	516	2,403	1,145	1,784	437	4,143	1,432	31,718	221,298
<b>FOREIGN EXCHANGE SWAPS</b>																							
with reporting dealers	785,764	6,703	1,219,233	1,036,967	238,338	3,165,869	1,409,859	279,251	1,691	1,256,842	3,850	330,355	302,983	189,376	74,666	5,636	192,784	173,726	12,972	2,218	87,521	413,525	11,190,124
local	215,833	502	218,928	293,428	42,154	655,457	381,212	65,762	188	282,447	585	64,921	89,863	37,887	28,373	2,962	66,044	37,220	2,197				

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**FOREIGN EXCHANGE CONTRACTS<sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
(in millions of USD)

Instruments	USD against																						
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK	SGD	TRY	TWD	ZAR	Other <sup>2</sup>	TOT
hedge funds and proprietary trading firms	39,965	1,114	61,204	19,525	20,740	250,784	59,595	6,470	513	126,213	257	21,813	7,871	7,523	3,243	19	6,520	6,801	893	0	7,836	13,256	662,155
official sector financial institutions	4,446	0	21,551	37	1,246	13,390	2,371	166	0	12,407	0	1,334	94	1,728	275	0	6,227	80	2	0	287	719	66,360
others	9,514	0	26,021	9,624	12,935	76,064	47,365	13,234	0	49,579	66	5,193	12,539	2,860	917	43	7,650	4,812	323	38	3,193	20,106	302,076
undistributed	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	227	251
with non-financial customers	23,041	1,015	38,341	9,778	8,001	116,994	37,430	10,043	1,959	44,459	174	5,963	4,041	9,473	3,404	177	2,703	5,112	315	334	2,143	7,910	332,810
local	19,238	766	26,099	6,227	6,081	90,436	24,840	2,035	1,070	33,413	172	3,428	3,293	8,983	2,676	103	1,979	2,122	224	312	1,662	5,867	241,026
cross-border	3,803	249	12,242	3,551	1,920	26,558	12,590	8,008	889	11,046	2	2,535	748	490	728	74	724	2,990	91	22	481	2,043	91,784
<b>TOTAL FOREIGN EXCHANGE SWAPS</b>	<b>1,027,613</b>	<b>11,048</b>	<b>1,935,328</b>	<b>1,179,285</b>	<b>335,429</b>	<b>4,300,036</b>	<b>1,897,226</b>	<b>339,724</b>	<b>6,625</b>	<b>1,820,491</b>	<b>8,311</b>	<b>471,979</b>	<b>363,807</b>	<b>244,135</b>	<b>91,586</b>	<b>6,312</b>	<b>254,274</b>	<b>214,386</b>	<b>16,546</b>	<b>2,987</b>	<b>118,610</b>	<b>532,749</b>	<b>15,178,482</b>
o/w prime brokered	65,699	143	96,042	35,170	63,450	246,330	108,337	23,752	0	124,960	89	58,545	18,960	31,238	8,009	64	18,241	19,361	3,521	0	17,739	64,195	1,003,845
o/w retail-driven	417	111	898	953	66	2,453	751	28	0	1,202	82	105	5	100	370	0	7	3	1	655	302	212	8,721
<b>MATURITIES FOREIGN EXCHANGE SWAPS</b>																							
one day	385,461	296	932,192	490,074	145,441	1,810,573	775,512	157,848	0	629,421	220	219,466	137,749	102,210	45,741	2,978	146,047	94,316	8,742	224	52,913	238,272	6,373,687
over 1 day and up to 7 days	450,594	3,951	462,329	570,840	88,624	1,556,827	632,618	129,203	2,142	617,270	2,739	152,081	183,456	94,992	33,995	475	71,537	73,652	3,486	706	43,906	196,669	5,399,194
over 7 days and up to 1 month	48,046	941	190,058	35,751	25,436	406,151	170,935	14,937	241	206,968	685	29,150	14,615	11,717	2,678	711	9,749	11,223	724	135	4,933	31,481	1,206,231
over 1 month and up to 3 months	108,235	4,488	226,276	57,858	45,782	369,214	263,705	17,975	2,520	234,437	2,774	43,857	22,712	30,505	5,992	937	17,718	25,928	1,579	1,340	12,366	38,505	1,527,166
over 3 months and up to 6 months	23,342	681	99,665	17,296	12,357	100,810	42,313	9,539	1,013	91,756	1,483	16,097	3,829	2,648	3,080	109	5,496	5,824	725	353	2,234	12,840	448,369
over 6 months	11,934	691	24,809	7,466	17,788	56,461	12,144	10,221	708	40,637	410	11,328	1,446	2,063	101	1,101	3,728	3,443	1,289	230	2,258	14,983	223,835
<b>CURRENCY SWAPS</b>																							
with reporting dealers	648	371	17,180	0	0	31,464	5,814	0	0	5,616	0	3,790	0	0	0	0	260	0	0	0	3	131	65,274
local	93	43	1,891	0	0	4,395	1,617	0	0	3,894	0	1,308	0	0	0	0	0	0	0	0	0	43	13,281
cross-border	555	328	15,289	0	0	27,069	4,197	0	0	1,722	0	2,482	0	0	0	0	260	0	0	0	3	88	51,993
with other financial institutions	618	14	4,697	105	0	13,472	4,313	0	0	4,168	0	1,520	0	0	0	0	1	272	33	0	0	744	29,957
local	618	0	763	105	0	8,307	4,107	0	0	1,335	0	578	0	0	0	0	1	272	0	0	0	555	16,641
cross-border	0	14	3,934	0	0	5,165	206	0	0	2,833	0	942	0	0	0	0	0	0	33	0	0	189	13,316
non-reporting banks	0	10	1,117	0	0	3,644	591	0	0	553	0	607	0	0	0	0	0	0	0	0	0	127	6,649
institutional investors	159	0	2,159	40	0	6,826	435	0	0	893	0	347	0	0	0	0	0	0	0	0	0	100	10,959
hedge funds and proprietary trading firms	67	4	818	0	0	2,052	1,553	0	0	724	0	563	0	0	0	0	0	0	33	0	0	0	5,814
official sector financial institutions	19	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	272	0	0	0	465	783
others	0	0	590	0	0	671	142	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	1,407
undistributed	373	0	13	65	0	252	1,592	0	0	1,997	0	0	0	0	0	0	1	0	0	0	0	52	4,345
with non-financial customers	0	0	2,323	16	0	9,158	1,193	0	0	237	0	200	0	0	0	0	0	0	0	0	0	0	13,127
local	0	0	178	2	0	3,792	608	0	0	136	0	0	0	0	0	0	0	0	0	0	0	0	4,716
cross-border	0	0	2,145	14	0	5,366	585	0	0	101	0	200	0	0	0	0	0	0	0	0	0	0	8,411
<b>TOTAL CURRENCY SWAPS</b>	<b>1,266</b>	<b>385</b>	<b>24,200</b>	<b>121</b>	<b>0</b>	<b>54,094</b>	<b>11,320</b>	<b>0</b>	<b>10,021</b>	<b>0</b>	<b>5,510</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261</b>	<b>272</b>	<b>33</b>	<b>0</b>	<b>3</b>	<b>875</b>	<b>108,358</b>	
o/w prime brokered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
o/w retail-driven	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>OTC OPTIONS (sum of bought and sold)</b>																							
with reporting dealers	33,934	42,289	69,077	25,666	120,860	187,559	35,003	4,931	4,067	101,407	13,901	38,447	7,257	8,186	4,268	1,066	1,232	5,834	613	1,802	8,498	28,875	744,767
local	2,294	9,004	4,865	776	21,380	32,963	3,152	276	633	11,916	878	8,881	1,385	1,017	286	23	52	1,000	52	206	1,250	4,858	107,122
cross-border	31,640	33,285	64,212	24,890	99,500	154,596	31,851	4,655	3,434	89,491	13,023	29,566	5,872	7,169	3,982	1,043	1,180	4,834	561	1,596	7,248	24,017	637,645
with other financial institutions	17,402	34,465	39,612	12,932	76,944	97,419	19,031	1,811	2,978	71,757	4,522	27,985	2,994	8,779	122	197	873	4,399	275	2,073	5,153	48,918	480,191
local	5,192	7,426	13,102	3,927	32,126	50,850	7,273	1,023	1,566	27,461	1,987	11,895	1,333	3,050	98	13	301	1,261	134	893	2,325	17,542	190,778
cross-border	12,210	27,039	26,510	9,005	44,368	46,569	11,758	788	1,412	44,296	2,535	16,090	1,661	5,729	24	184	572	3,138	141	1,180	2,828	31,376	289,413
non-reporting banks	6,081	9,879	17,704	5,821	16,756	18,586	6,282	243	164	25,039	834	10,148	725	4,609	20	49	272	970	27	586	831	17,998	143,624
institutional investors	1,454	4,910	2,931	1,323	6,523	14,925	2,053	0	746	4,367	919	2,518	421	386	18	9	103	1,880	29	355	1,576	1,573	49,019
hedge funds and proprietary trading firms	5,899	17,075	10,118	3,435	37,885	40,575	5,812	1,115	2,019	21,994	2,013	9,752	1,046	2,012	84	137	381	1,241	183	1,033	1,624	6,745	172,178
official sector financial institutions	0	808	174	1	20	1,702	0	0	0	334	0	480	0	0	0	0	0	0	0	0	0	181	3,700
others	3,968	1,793	8,685	2,352	15,310	21,631	4,884	453	49	20,023	756	5,087	802	1,772	0	2	117	308	36	99	1,122	22,421	111,670
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	2,452	1,200	10,629	1,187	2,238	15,975	2,164	600	608	13,499	400	2,457	358	56	239	33	454	19	13	58	772	4,615	60,026
local	1,518	286	1,449	914	1,996	14,253	1,609	600	406	10,296	350	1,171	151	47	239	0	448	17	13	58	526	889	37,236
cross-border	934	914	9,180	273																			

Table A1

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	USD against																				TOT		
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK	SGD	TRY	TWD		ZAR	Other <sup>2</sup>
<b>TOTAL FX CONTRACTS</b>	2,326,956	585,106	3,625,373	1,963,640	1,686,255	9,143,315	4,134,086	677,575	198,179	5,110,187	222,998	1,189,005	568,980	588,347	160,006	27,925	469,477	624,165	82,448	130,688	361,322	2,078,735	35,954,763
o/w prime brokered	532,927	35,631	701,565	277,850	528,566	1,686,249	720,107	114,548	6,947	1,393,059	7,848	330,521	98,032	168,957	34,960	1,124	105,221	156,083	29,758	3,815	129,529	694,191	7,757,488
o/w retail-driven	5,610	949	13,435	3,726	4,188	25,554	12,529	1,121	844	38,772	380	5,829	449	1,074	454	3	827	1,892	63	914	1,196	1,407	121,216

<sup>1</sup> All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. <sup>2</sup> "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies. <sup>3</sup> Excluding "tomorrow/next day" transactions. <sup>4</sup> Including non-deliverable forwards and other contracts-for-differences. <sup>5</sup> Data should be provided for the 6 currency pairs as well as for the "other" and "total" column. <sup>6</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions. <sup>7</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. <sup>8</sup> Including currency warrants and multicurrency swaptions.



Table A2

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	EUR against													JPY against								RESIDU AL <sup>3</sup>	GRAND TOTAL <sup>4</sup>		
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other	TOT	AUD	BRL	CAD	NZD	TRY	ZAR	Other			TOT	
institutional investors	2,116	5,018	2,579	100	1,349	11,390	409	15,839	1,984	432	2,299	18	1,940	45,473	840	0	2,548	255	0	0	2,999	6,842	11,731	716,953	
hedge funds and proprietary trading firms	728	881	4,749	46	146	6,228	401	5,284	2,145	598	1,843	7	8,418	31,474	1,197	0	169	42	0	0	3,327	4,735	4,535	702,899	
official sector financial institutions	0	5	0	0	0	289	0	0	1	0	0	0	0	295	0	0	0	0	0	0	1	170	66,826		
others	219	174	1,134	144	115	6,923	88	2,863	1,868	168	988	0	19,739	34,423	418	0	206	21	0	1,108	1,753	2,916	341,168		
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	14	14	0	0	0	0	0	0	0	44	309		
with non-financial customers	497	901	930	5,603	532	3,818	182	1,230	266	581	669	97	11,817	27,123	47	0	36	8	271	345	525	1,232	363,287		
local	129	339	371	5,529	228	1,604	107	409	34	172	199	63	6,505	15,689	27	0	7	0	0	0	184	218	520	257,453	
cross-border	368	562	559	74	304	2,214	75	821	232	409	470	34	5,312	11,434	20	0	29	8	271	345	341	1,014	1,602	105,834	
<b>TOTAL FOREIGN EXCHANGE SWAPS</b>	<b>7,261</b>	<b>19,580</b>	<b>22,753</b>	<b>9,996</b>	<b>5,494</b>	<b>84,949</b>	<b>4,675</b>	<b>64,879</b>	<b>13,642</b>	<b>6,335</b>	<b>13,271</b>	<b>247</b>	<b>436,147</b>	<b>689,226</b>	<b>6,157</b>	<b>0</b>	<b>5,589</b>	<b>795</b>	<b>1,387</b>	<b>1,757</b>	<b>22,600</b>	<b>38,284</b>	<b>58,451</b>	<b>15,964,443</b>	
o/w prime brokered	372	1,757	1,644	34	152	4,290	1,652	6,851	2,402	1,718	1,901	2	10,029	32,804	1,057	0	485	234	159	28	4,465	6,428	4,541	1,047,618	
o/w retail-driven	10	24	3	0	0	29	0	18	0	0	0	0	0	85	27	0	11	0	0	0	12	50	17,63	10,619	
o/w back-to-back trades																								6,778,752	
o/w compression trades																									87,900
<b>MATURITIES FOREIGN EXCHANGE SWAPS</b>																									
one day	932	3,140	2,132	9,006	597	19,463	797	9,769	867	738	2,933	24	82,399	132,446	782	0	1,920	34	0	0	5,412	8,161	24,763	6,555,277	
over 1 day and up to 7 days	804	2,027	2,182	143	652	16,472	859	8,289	2,607	1,465	3,330	2	181,876	222,381	928	0	815	251	1,157	1,044	5,818	10,014	5,528	5,640,018	
over 7 days and up to 1 month	1,767	4,365	5,146	308	1,285	16,188	1,031	10,165	4,511	1,482	1,534	189	70,833	118,788	1,528	0	1,296	423	230	713	4,748	8,909	7,142	1,334,123	
over 1 month and up to 3 months	2,211	7,467	9,514	470	2,764	25,526	1,831	29,246	5,546	2,227	4,377	23	60,543	150,497	2,325	0	1,136	24	0	0	5,833	9,342	15,844	1,694,127	
over 3 months and up to 6 months	1,546	2,369	3,159	51	83	6,364	43	7,113	107	139	653	9	26,651	48,092	354	0	370	63	0	0	585	1,364	4,630	499,660	
over 6 months	1	211	618	18	113	935	113	297	4	283	444	0	13,845	17,022	240	0	52	0	0	0	204	495	544	241,238	
<b>CURRENCY SWAPS <sup>9</sup></b>																									
with reporting dealers	0	0	0	0	0	0	0	0	0	0	0	0	19,094	19,094	0	26	0	0	0	0	100	126	18,684	103,178	
local	0	0	0	0	0	0	0	0	0	0	0	0	688	688	0	26	0	0	0	0	26	5,932	19,927		
cross-border	0	0	0	0	0	0	0	0	0	0	0	0	18,406	18,406	0	0	0	0	0	0	100	100	12,752	83,251	
with other financial institutions	0	119	0	0	0	0	0	0	0	0	0	0	690	809	0	0	236	0	0	0	236	2,985	33,987		
local	0	49	0	0	0	0	0	0	0	0	0	0	540	589	0	0	0	0	0	0	0	0	2,396	19,626	
cross-border	0	70	0	0	0	0	0	0	0	0	0	0	150	220	0	0	236	0	0	0	236	589	14,361		
non-reporting banks	0	49	0	0	0	0	0	0	0	0	0	0	150	199	0	0	0	0	0	0	0	0	94	6,942	
institutional investors	0	70	0	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0	0	0	0	64	11,093	
hedge funds and proprietary trading firms	0	0	0	0	0	0	0	0	0	0	0	0	540	540	0	0	0	0	0	0	0	0	0	6,354	
official sector financial institutions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	236	0	0	0	236	0	1,019		
others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,234	
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,345	
with non-financial customers	0	24	0	0	0	0	0	0	0	0	0	0	5,265	5,289	0	0	0	0	0	0	100	100	10,903	29,419	
local	0	0	0	0	0	0	0	0	0	0	0	0	302	302	0	0	0	0	0	0	0	0	0	5,898	10,916
cross-border	0	24	0	0	0	0	0	0	0	0	0	0	4,963	4,987	0	0	0	0	0	0	100	100	5,005	18,503	
<b>TOTAL CURRENCY SWAPS</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,049</b>	<b>25,192</b>	<b>0</b>	<b>26</b>	<b>236</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>462</b>	<b>32,572</b>	<b>166,584</b>	
o/w prime brokered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
o/w retail-driven	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
o/w back-to-back trades																									1,674
o/w compression trades																									0
<b>OTC OPTIONS (sum of bought and sold) <sup>10</sup></b>																									
with reporting dealers	5,266	4,343	8,167	4,378	0	9,232	971	11,053	3,767	2,784	4,533	123	25,301	79,915	5,649	283	1,634	781	0	0	2,483	10,829	16,500	852,010	
local	483	393	771	54	0	761	133	1,973	677	387	39	41	5,557	11,266	429	36	54	173	0	0	239	930	955	120,272	
cross-border	4,783	3,950	7,396	4,324	0	8,471	838	9,080	3,090	2,397	4,494	82	19,744	68,649	5,220	247	1,580	608	0	0	2,244	9,899	15,545	731,738	
with other financial institutions	2,461	1,912	3,675	227	0	6,701	1,348	4,019	3,492	6,591	4,093	82	48,094	82,695	3,878	107	1,769	240	0	0	552	6,546	5,628	575,080	
local	1,881	1,073	1,112	0	0	1,650	86	3,017	1,024	1,437	1,321	82	16,621	29,304	2,560	0	1,237	100	0	0	325	4,222	1,097	225,401	
cross-border	580	839	2,563	227	0	5,051	1,262	1,002	2,468	5,154	2,772	0	31,473	53,391	1,318	107	532	140	0	0	227	2,324	4,531	349,659	
non-reporting banks	1,217	252	1,600	0	0	2,482	368	788	316	106	1,033	0	9,725	17,887	578	54	80	0	0	0	359	1,071	2,544	165,126	
institutional investors	0	20	155	0	0	449	354	77	615	34	832	0	500	3,036	370	0	479	190	0	0	76	1,115	389	53,559	
hedge funds and proprietary trading firms	470	1,425	1,382	227	0	1,540	292	1,459	1,746	713	856	82	9,801	19,993	1,650	53	1,210	50	0	0	117	3,080	1,062	198,313	
official sector financial institutions	0	0	0	0	0	0	0	0	271	0	157	0	0	428	0	0	0	0	0	0	0	0	75	4,203	
others	774	215	538	0	0	2,230	334	1,695	544	5,738	1,215	0	28,068	41,351	1,280	0	0	0	0	0	0	1,280	1,558	155,859	
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
with non-financial customers	127	9	170																						

Table A2

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	EUR against														JPY against							RESIDU AL <sup>3</sup>	GRAND TOTAL <sup>4</sup>	
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other	TOT	AUD	BRL	CAD	NZD	TRY	ZAR	Other			TOT
<b>TOTAL OTC OPTIONS</b>	7,854	6,264	12,012	4,716	0	16,103	2,429	15,200	7,410	9,403	9,110	205	74,778	165,481	9,797	390	3,421	1,021	0	0	3,221	17,849	22,615	1,490,928
o/w prime brokered	1,285	1,447	2,947	0	0	6,088	464	3,831	4,031	5,928	2,728	0	54,791	83,540	2,251	107	1,273	0	0	0	398	4,029	5,755	437,180
o/w retail-driven	0	2	0	0	0	23	0	84	0	0	0	0	22	131	47	0	18	0	0	0	52	117	45	2,996
o/w back-to-back trades																								239,396
o/w compression trades																								0
<b>Other products <sup>11</sup></b>																								0
o/w back-to-back trades																								0
o/w compression trades																								0
<b>TOTAL FX CONTRACTS</b>	98,186	95,999	189,564	31,906	45,659	527,814	38,921	394,569	172,315	68,897	178,367	1,226	1,020,020	2,863,441	148,004	2,122	34,380	18,251	1,697	4,970	195,369	404,792	936,360	40,159,355
o/w prime brokered	29,802	28,224	68,789	1,836	9,094	66,213	16,617	132,734	73,998	31,102	75,212	82	344,916	878,619	41,400	107	9,673	5,060	174	534	40,719	97,667	98,269	8,832,043
o/w retail-driven	370	459	1,062	126	126	2,387	197	1,877	1,006	286	441	17	5,621	13,975	224	0	173	52	0	1	891	1,341	4,353	140,885
o/w related party trades <sup>12</sup>																								5,917,284
o/w back-to-back trades																								9,514,471
o/w compression trades																								138,895

<sup>1</sup> All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. <sup>2</sup> "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies. <sup>3</sup> "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY. <sup>4</sup> Covers the sum of the totals in tables A1, A2, A3 and the column "residual". <sup>5</sup> Excluding "tomorrow/next day" transactions. <sup>6</sup> Including non-deliverable forwards and other contracts-for-differences. <sup>7</sup> Data should only be provided for the "total" and "residual" columns. <sup>8</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions. <sup>9</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. <sup>10</sup> Including currency warrants and multicurrency swaptions. <sup>11</sup> Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible. <sup>12</sup> Transactions conducted between desks and offices, with own branches or subsidiaries and between affiliated firms that are part of the same consolidated dealer that do involve a transfer of risk should be included in "related party trades". Transactions conducted between two desks that are part of the same reporting dealer that do not involve a transfer of risk should be excluded. Related-party trades should be included regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country.



Table A3

Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity  
**FOREIGN EXCHANGE CONTRACTS<sup>1</sup>**  
 Turnover in nominal or notional principal amounts in April 2022  
 (in millions of USD)

Instruments	Total turnover in listed currencies against all other currencies <sup>2</sup>																																			
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	MXN	MYR	NGD	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR	Other
with other financial institutions	0	0	0	0	0	49	0	229	0	97	0	199	0	0	0	318	0	0	0	8	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	6,479
local	0	0	0	0	0	22	0	87	0	24	0	199	0	0	0	318	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,236
cross-border	0	0	0	0	0	27	0	142	0	73	0	0	0	0	0	0	0	0	7	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,243
non-reporting banks	0	0	0	0	0	0	0	119	0	85	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	256
institutional investors	0	0	0	0	0	25	0	110	0	12	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
hedge funds and proprietary trading firms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	540
official sector financial institutions	0	0	0	0	0	0	0	0	0	0	0	147	0	0	0	318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,627
undistributed	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	0	0	0	0	0	2,191	0	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,556
local	0	0	0	0	0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,963
cross-border	0	0	0	0	0	2,056	0	0	0	0	0	0	424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,593
<b>TOTAL CURRENCY SWAPS</b>	0	0	0	0	0	8,701	0	420	0	126	0	199	847	0	0	318	0	0	2,157	0	25	0	2	0	0	0	0	0	0	0	0	0	0	0	0	76,474
o/w prime brokered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
o/w retail-driven	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>OTC OPTIONS (sum of bought and sold)<sup>7</sup></b>																																				
with reporting dealers	0	5,871	0	0	1,521	3,629	3,443	3,316	5,931	1,887	667	0	4,840	13	345	674	690	2	219	2,214	0	1,037	5,622	23	460	0	0	1	0	404	2,038	395	0	3,686	88	40,647
local	0	610	0	0	306	482	232	957	233	618	67	0	98	0	0	220	153	2	1	301	0	123	522	6	0	0	0	0	0	123	38	55	0	0	0	7,421
cross-border	0	5,261	0	0	1,215	3,147	3,211	2,359	5,698	1,269	600	0	4,742	13	345	454	537	0	218	1,913	0	914	5,100	17	460	0	0	1	0	281	2,000	340	0	3,686	88	33,226
with other financial institutions	0	2,478	0	0	306	902	759	1,972	1,096	1,576	617	0	1,906	32	367	988	889	0	232	2,173	0	650	2,959	11	215	0	55	0	1,079	51	119	0	92	0	87,316	
local	0	713	0	0	2	343	28	546	0	459	241	0	437	0	303	29	435	0	16	284	0	58	1,296	0	215	0	0	0	22	0	0	0	0	0	0	31,255
cross-border	0	1,765	0	0	304	559	731	1,426	1,096	1,117	376	0	1,469	32	64	939	454	0	216	1,889	0	592	1,663	11	0	0	55	0	1,057	51	119	0	92	0	56,061	
non-reporting banks	0	1,079	0	0	223	346	482	384	155	224	47	0	1,134	32	104	178	156	0	8	729	0	491	1,501	11	0	0	55	0	881	45	0	0	0	0	24,905	
institutional investors	0	388	0	0	83	1	10	456	5	520	41	0	181	0	0	144	197	0	0	376	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	522
hedge funds and proprietary trading firms	0	403	0	0	0	402	117	880	846	527	397	0	500	0	33	646	298	0	224	824	0	12	716	0	215	0	0	12	6	119	0	2	0	0	11,518	
official sector financial institutions	0	75	0	0	0	40	75	66	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	0	533	0	0	0	23	75	186	90	230	132	0	91	0	230	0	238	0	244	0	147	739	0	0	0	0	0	186	0	0	0	0	90	0	50,371	
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	0	320	0	0	27	111	225	269	189	38	0	6	187	0	1	11	61	0	17	0	5	95	6	44	0	62	0	38	11	537	0	0	0	0	4,898	
local	0	235	0	0	18	181	250	186	0	0	6	14	0	1	3	32	0	0	3	0	2	29	0	44	0	62	0	38	2	537	0	0	0	0	860	
cross-border	0	85	0	0	27	93	44	19	3	38	0	0	173	0	0	8	29	0	14	0	3	66	6	0	0	62	0	0	9	0	0	0	0	0	4,038	
<b>TOTAL OTC OPTIONS</b>	0	8,669	0	0	1,854	4,642	4,427	5,557	7,216	3,501	1,284	6	6,933	45	713	1,653	1,640	2	451	4,404	0	1,692	8,676	40	719	0	118	0	1,521	2,100	1,051	0	3,778	88	132,861	
o/w prime brokered	0	1,917	0	0	0	1,916	372	2,778	2,200	976	420	0	1,327	0	80	961	1,310	0	448	1,897	0	55	2,905	0	455	0	0	0	0	0	0	0	0	0	107,371	
o/w retail-driven	0	36	0	0	0	20	51	13	8	8	0	0	2	0	1	8	0	0	15	0	5	27	6	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>TOTAL FX CONTRACTS</b>	316	200,164	351	821	8,353	497,289	80,645	157,869	46,717	82,323	129,020	257,021	320,208	40,842	96,341	64,560	118,042	23,954	396,285	96,161	29,835	28,716	98,279	51,995	31,639	24,459	23,839	806	34,854	31,482	37,896	110,434	4,782	10,426	24,835	2,005,493
o/w prime brokered	0	47,826	0	0	0	19,203	21,755	15,034	5,031	5,053	37,520	9,190	95,888	674	19,507	2,254	35,708	0	449	6,512	0	7,407	33,577	1,340	1,669	603	3,561	0	1,696	9,644	9,575	30,052	1	32	2,224	853,289
o/w retail-driven	0	757	6	1	1	402	454	130	24	85	167	82	1,220	18	22	72	87	24	2	61	55	417	374	58	129	7	20	0	12	206	37	216	0	2	157	11,320

<sup>1</sup> All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. <sup>2</sup> Only transactions which are included in the columns "other" in tables A1, A2 and A3 and "residual" in table A3. Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A1, A2 and A3. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A3. Currencies subject to compulsory reporting have been marked in blue. <sup>3</sup> Excluding "tomorrow/next day" transactions. <sup>4</sup> Including non-deliverable forwards and other contracts-for-differences. <sup>5</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions. <sup>6</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. <sup>7</sup> Including currency warrants and multicurrency swaptions.





Table B

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**SINGLE-CURRENCY INTEREST RATE DERIVATIVES <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	EUR	GBP	HKD	HUF	IDR	ILS	INR	JPY	KRW	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	USD	ZAR	Other	TOT	
cross-border	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,983	0	0	9,010		
<b>TOTAL OTC OPTIONS</b>	0	0	0	0	0	0	0	0	0	0	0	1,190	69,380	820	0	0	0	0	0	181	0	338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,167	996,443	0	0	1,085,564
o/w back-to-back trades																														203,453											
o/w compression trades																														0											
Other products																														0											
o/w back-to-back trades																														0											
o/w compression trades																														0											
<b>TOTAL INTEREST RATE CONTRACTS</b>	0	33,670	0	0	22,544	309,257	3,263	77,786	10,591	17,754	3,017	1,190	384,269	43,022	2,286	2,081	0	1,520	4,218	11,286	196	177,742	0	773	25,031	0	0	3,631	0	0	105	2,310	2,051	0	31	17,205	34,311,738	3,383	90	35,472,034	
o/w related party trades																														3,721,913											
o/w back-to-back trades																														1,558,596											
o/w compression trades																														2,565,051											

<sup>1</sup> All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts. <sup>2</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. <sup>3</sup> Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible. <sup>4</sup> It includes forward rate agreement, interest rate swaps, options and other products. <sup>5</sup> Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country). Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

Table C

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**EXECUTION METHOD FOR FOREIGN EXCHANGE CONTRACTS**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	Voice		Electronic				Unallocated	Total <sup>1</sup>
	Direct	Indirect	Direct		Indirect			
			Single-bank proprietary trading system	Other	Anonymous venues	Disclosed venues		
<b>SPOT</b>								
with reporting dealers	2,466,089	188,975	1,874,855	2,214,474	396,917	695,164	9,688	7,846,161
local	558,932	25,481	285,521	129,330	47,664	153,107	2,670	1,202,704
cross-border	1,907,157	163,494	1,589,334	2,085,144	349,253	542,057	7,018	6,643,457
with other financial institutions	2,165,831	175,986	640,412	2,398,365	148,045	981,116	16,029	6,525,784
with non-financial customers	44,306	50,304	54,371	329,364	18,152	76,810	6	573,313
<b>TOTAL SPOT</b>	<b>4,676,226</b>	<b>415,265</b>	<b>2,569,638</b>	<b>4,942,203</b>	<b>563,114</b>	<b>1,753,090</b>	<b>25,723</b>	<b>14,945,258</b>
<b>OUTRIGHT FORWARDS</b>								
with reporting dealers	1,012,109	457,216	731,890	686,017	383,651	570,208	2,521	3,843,609
local	197,982	99,090	107,359	30,792	18,551	57,701	1,355	512,827
cross-border	814,127	358,126	624,531	655,225	365,100	512,507	1,166	3,330,782
with other financial institutions	843,572	280,476	191,530	1,031,681	83,922	884,472	11,491	3,327,144
with non-financial customers	51,904	51,485	89,326	147,295	33,159	48,041	180	421,390
<b>TOTAL OUTRIGHT FORWARDS</b>	<b>1,907,585</b>	<b>789,177</b>	<b>1,012,746</b>	<b>1,864,993</b>	<b>500,732</b>	<b>1,502,721</b>	<b>14,192</b>	<b>7,592,143</b>
<b>FOREIGN EXCHANGE SWAPS</b>								
with reporting dealers	2,812,685	1,952,182	4,815,348	814,589	541,531	640,212	18,333	11,594,879
local	594,022	351,007	1,529,032	77,613	71,545	64,928	4,333	2,692,479
cross-border	2,218,663	1,601,175	3,286,316	736,976	469,986	575,284	14,000	8,902,400
with other financial institutions	858,976	687,511	468,296	944,601	272,027	680,103	94,763	4,006,277
with non-financial customers	51,150	105,096	77,761	41,649	48,832	38,127	672	363,287
<b>TOTAL FOREIGN EXCHANGE SWAPS</b>	<b>3,722,811</b>	<b>2,744,789</b>	<b>5,361,405</b>	<b>1,800,839</b>	<b>862,390</b>	<b>1,358,442</b>	<b>113,768</b>	<b>15,964,443</b>
<b>CURRENCY SWAPS</b>								
with reporting dealers	67,705	22,766	0	7,194	0	1,632	3,881	103,178
local	11,984	4,417	0	2,983	0	468	75	19,927
cross-border	55,721	18,349	0	4,211	0	1,164	3,806	83,251
with other financial institutions	16,227	8,739	0	1,925	367	1,530	5,199	33,987
with non-financial customers	26,811	366	0	405	0	0	1,837	29,419
<b>TOTAL CURRENCY SWAPS</b>	<b>110,743</b>	<b>31,871</b>	<b>0</b>	<b>9,524</b>	<b>367</b>	<b>3,162</b>	<b>10,917</b>	<b>166,584</b>

Table C

**Federal Reserve Bank of New York Survey of Foreign Exchange and Derivatives Market Activity**  
**EXECUTION METHOD FOR FOREIGN EXCHANGE CONTRACTS**  
**Turnover in nominal or notional principal amounts in April 2022**  
**(in millions of USD)**

Instruments	Voice		Electronic				Unallocated	Total <sup>1</sup>
	Direct	Indirect	Direct		Indirect			
			Single-bank proprietary trading system	Other	Anonymous venues	Disclosed venues		
<b>OTC OPTIONS</b>								
with reporting dealers	330,917	197,489	170,080	5,138	16,254	129,735	2,398	852,010
local	41,641	25,923	34,907	233	480	16,803	286	120,272
cross-border	289,276	171,566	135,173	4,905	15,774	112,932	2,112	731,738
with other financial institutions	194,465	161,674	30,585	1,002	4,036	181,585	1,713	575,060
with non-financial customers	37,943	8,307	13,100	148	52	1,864	2,444	63,858
<b>TOTAL OTC OPTIONS</b>	<b>563,325</b>	<b>367,470</b>	<b>213,765</b>	<b>6,288</b>	<b>20,342</b>	<b>313,184</b>	<b>6,555</b>	<b>1,490,928</b>
<b>Other products</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL FX CONTRACTS</b>	<b>10,980,690</b>	<b>4,348,571</b>	<b>9,157,553</b>	<b>8,623,846</b>	<b>1,946,945</b>	<b>4,930,598</b>	<b>171,154</b>	<b>40,159,355</b>

<sup>1</sup> Total spot, outright forwards, FX swaps, currency swaps, OTC options and other products as well as their corresponding counterparty breakdowns should be consistent with the amounts reported in table A2.