

Draft

Board of Governors of the Federal Reserve System



Report Forms for the Central Bank Survey of Foreign Exchange and Derivatives Market Activity—FR 3036

Turnover Survey as of April ~~2019~~ 2022

This report is authorized by law (12 U.S.C. §§ 225a and 263). Your voluntary cooperation in submitting this report is needed to make the results comprehensive, accurate, and timely. The Federal Reserve may not conduct or sponsor, and an organization

is not required to respond to, a collection of information unless it displays a currently valid OMB number. Individual firm information collected on the FR 3036 is considered confidential to the extent it constitutes nonpublic commercial or financial information, which is both customarily and actually treated as private by the respondent. Therefore, this information may be kept confidential under exemption 4 of the Freedom of Information Act, which exempts "trade secrets and commercial or financial information obtained from a person and privileged or confidential." [5 U.S.C. §552(b)(4)]

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 ~~2018~~ 2022

U.S. Dollar Amounts in Millions	USD against																	Total							
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK		SGD	TRY	TWD	ZAR	Other ²		
INSTRUMENTS																									
SPOT³																									
1. With reporting dealers																									1.
a. Local																									1.a.
b. Cross-border																									1.b.
2. With other financial institutions																									2.
a. Local																									2.a.
b. Cross-border																									2.b.
c. Non-reporting banks																									2.c.
d. Institutional investors																									2.d.
e. Hedge funds and proprietary trading firms																									2.e.
f. Official sector financial institutions																									2.f.
g. Others																									2.g.
h. Undistributed																									2.h.
3. With nonfinancial customers																									3.
a. Local																									3.a.
b. Cross-border																									3.b.
Total Spot																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.
OUTRIGHT FORWARDS⁴																									
1. With reporting dealers																									1.
a. Local																									1.a.
b. Cross-border																									1.b.
2. With other financial institutions																									2.
a. Local																									2.a.
b. Cross-border																									2.b.
c. Non-reporting banks																									2.c.
d. Institutional investors																									2.d.
e. Hedge funds and proprietary trading firms																									2.e.
f. Official sector financial institutions																									2.f.
g. Others																									2.g.
h. Undistributed																									2.h.
3. With nonfinancial customers																									3.
a. Local																									3.a.
b. Cross-border																									3.b.
Total Outright Forwards																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.
3. o/w non-deliverable forwards ⁵																									3.
MATURITIES OUTRIGHT FORWARDS																									
1. Seven days or less																									1.
2. Over seven days and up to one month																									2.
3. Over one month and up to three months																									3.
4. Over three months and up to six months																									4.
5. Over six months																									5.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "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.
 3. Excluding "tomorrow/next day" transactions.
 4. Including non-deliverable forwards and other contracts-for-differences.
 5. Data should be provided for the "total" column.

→ 1. One day
 2. Over 1 day and up to 7 days

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts¹
 Turnover in nominal or notional principal amounts in April 2019 ~~2018~~ **2022**

U.S. Dollar Amounts in Millions	USD against																	Total							
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK		SGD	TRY	TWD	ZAR	Other ²		
INSTRUMENTS																									
FOREIGN EXCHANGE SWAPS³																									
1. With reporting dealers																									1.
a. Local																									1.a.
b. Cross-border																									1.b.
2. With other financial institutions																									2.
a. Local																									2.a.
b. Cross-border																									2.b.
c. Non-reporting banks																									2.c.
d. Institutional investors																									2.d.
e. Hedge funds and proprietary trading firms																									2.e.
f. Official sector financial institutions																									2.f.
g. Others																									2.g.
h. Undistributed																									2.h.
3. With nonfinancial customers																									3.
a. Local																									3.a.
b. Cross-border																									3.b.
Total Foreign Exchange Swaps																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.
MATURITIES FOREIGN EXCHANGE SWAPS																									
1. Seven days or less																									1.
2. Over seven days and up to one month																									2.
3. Over one month and up to three months																									3.
4. Over three months and up to six months																									4.
5. Over six months																									5.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "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.
 3. Currency pairs as well as for the "other" and "total" column.

1. One day
 2. Over 1 day and up to 7 days

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A2—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2014 ~~2014~~ **2022**

INSTRUMENTS	U.S. Dollar Amounts in Millions														EUR against											JPY against						Resi- dual ⁹	Grand Total ⁹
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other ²	Total	AUD	BRL	CAD	NZD	TRY	ZAR	Other ²	Total	AUD	BRL	CAD	NZD	TRY	ZAR	Other ²	Total			
SPOT⁵																																	
1. With reporting dealers																													1.				
a. Local																													1.a.				
b. Cross-border																													1.b.				
2. With other financial institutions																													2.				
a. Local																													2.a.				
b. Cross-border																													2.b.				
c. Non-reporting banks																													2.c.				
d. Institutional investors																													2.d.				
e. Hedge funds and proprietary trading firms																													2.e.				
f. Official sector financial institutions																													2.f.				
g. Others																													2.g.				
h. Undistributed																													2.h.				
3. With nonfinancial customers																													3.				
a. Local																													3.a.				
b. Cross-border																													3.b.				
Total Spot																													1.				
1. o/w prime brokered																													2.				
2. o/w retail-driven																																	
OUTRIGHT FORWARDS⁶																																	
1. With reporting dealers																													1.				
a. Local																													1.a.				
b. Cross-border																													1.b.				
2. With other financial institutions																													2.				
a. Local																													2.a.				
b. Cross-border																													2.b.				
c. Non-reporting banks																													2.c.				
d. Institutional investors																													2.d.				
e. Hedge funds and proprietary trading firms																													2.e.				
f. Official sector financial institutions																													2.f.				
g. Others																													2.g.				
h. Undistributed																													2.h.				
3. With nonfinancial customers																													3.				
a. Local																													3.a.				
b. Cross-border																													3.b.				
Total Outright Forwards																													1.				
1. o/w prime brokered																													2.				
2. o/w retail-driven																													3.				
3. o/w non-deliverable forwards ⁷																																	
MATURITIES OUTRIGHT FORWARDS																																	
1. Seven days or less																													1.				
2. Over seven days and up to one month																													2.				
3. Over one month and up to three months																													3.				
4. Over three months and up to six months																													4.				
5. Over six months																													5.				

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.
3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
4. Covers the sum of the totals in tables A1, A2, and the column "Residual".
5. Excluding "tomorrow/next day" transactions.
6. Including non-deliverable forwards and other contracts-for-differences.
7. Data should only be provided for the "total" columns.

→ 3. o/w back-to-back trades

→ 4. o/w back-to-back trades

5. o/w compression trades

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A2—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April ~~2010~~ **2012**

U.S. Dollar Amounts in Millions	EUR against														JPY against						Residual ³	Grand Total ⁴	
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other ²	Total	AUD	BRL	CAD	NZD	TRY	ZAR			Other ²
INSTRUMENTS																							
FOREIGN EXCHANGE SWAPS⁵																							
1. With reporting dealers																							
a. Local																							
b. Cross-border																							
2. With other financial institutions																							
a. Local																							
b. Cross-border																							
c. Non-reporting banks																							
d. Institutional investors																							
e. Hedge funds and proprietary trading firms																							
f. Official sector financial institutions																							
g. Others																							
h. Undistributed																							
3. With nonfinancial customers																							
a. Local																							
b. Cross-border																							
Total Foreign Exchange Swaps																							
1. o/w prime brokered																							
2. o/w retail-driven																							
MATURITIES FOREIGN EXCHANGE SWAPS																							
1. Seven days or less Over 1 day and up to 7 days																							
2. Over seven days and up to one month																							
3. Over one month and up to three months																							
4. Over three months and up to six months																							
5. Over six months																							

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.

1.
2.

1.
2.
3.
4.
5.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.
 3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
 4. Covers the sum of the totals in tables A1, A2, and the column "Residual".
 5. A swap is considered to be a single transaction in that the two legs are not counted separately.

→ 3. o/w back-to-back trades
 4. o/w compression trades



Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A3—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

U.S. Dollar Amounts in Millions	Total turnover in listed currencies against all other currencies ²																																				
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR
INSTRUMENTS																																					
SPOT³																																					
1. With reporting dealers																														1.							
a. Local																														1.a.							
b. Cross-border																														1.b.							
2. With other financial institutions																														2.							
a. Local																														2.a.							
b. Cross-border																														2.b.							
c. Non-reporting banks																														2.c.							
d. Institutional investors																														2.d.							
e. Hedge funds and proprietary trading firms																														2.e.							
f. Official sector financial institutions																														2.f.							
g. Others																														2.g.							
h. Undistributed																														2.h.							
3. With nonfinancial customers																														3.							
a. Local																														3.a.							
b. Cross-border																														3.b.							
Total Spot																														1.							
1. o/w prime brokered																														2.							
2. o/w retail-driven																																					
OUTRIGHT FORWARDS⁴																														1.							
1. With reporting dealers																														2.							
a. Local																														1.							
b. Cross-border																														1.a.							
2. With other financial institutions																														1.b.							
a. Local																														2.							
b. Cross-border																														2.a.							
c. Non-reporting banks																														2.b.							
d. Institutional investors																														2.c.							
e. Hedge funds and proprietary trading firms																														2.d.							
f. Official sector financial institutions																														2.e.							
g. Others																														2.f.							
h. Undistributed																														2.g.							
3. With nonfinancial customers																														2.h.							
a. Local																														3.							
b. Cross-border																														3.a.							
Total Outright Forwards																														3.b.							
1. o/w prime brokered																														1.							
2. o/w retail-driven																														2.							
3. o/w non-deliverable forwards ⁵																																					
MATURITIES OUTRIGHT FORWARDS																														1.							
1. Seven days or less																														2.							
2. Over seven days and up to one month																														1.							
3. Over one month and up to three months																														2.							
4. Over three months and up to six months																														3.							
5. Over six months																														4.							
6. One day																														5.							
7. Over 1 day and up to 7 days																																					

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

1. One day
2. Over 1 day and up to 7 days

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. Only transactions which are included in the columns "other" in tables A1, A2, and "residual" in table A2. 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 and A2. 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 A2. Currencies subject to compulsory reporting have been marked in blue.
 3. Excluding "tomorrow/next day" transactions.
 4. Including non-deliverable forwards and other contracts-for-differences.
 5. Data should only be provided for the "total" column.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A3—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

U.S. Dollar Amounts in Millions	Total turnover in listed currencies against all other currencies ²																																						
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR	Other	
INSTRUMENTS																																							
FOREIGN EXCHANGE SWAPS³																																							
1. With reporting dealers																																							
a. Local																																							
b. Cross-border																																							
2. With other financial institutions																																							
a. Local																																							
b. Cross-border																																							
c. Non-reporting banks																																							
d. Institutional investors																																							
e. Hedge funds and proprietary trading firms																																							
f. Official sector financial institutions																																							
g. Others																																							
h. Undistributed																																							
3. With nonfinancial customers																																							
a. Local																																							
b. Cross-border																																							
Total Foreign Exchange Swaps																																							
1. Over prime brokered																																							
2. Over retail-driven																																							
MATURITIES FOREIGN EXCHANGE SWAPS																																							
1. Seven days or less																																							
2. Over seven days and up to one year																																							
3. Over one year																																							

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.
1.
2.
1.
2.
3.

3
1. One day
2. over 1 day and up to 7 days

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. These deals should correspond to the ones reported in columns "other" of tables A1, A2, and "residual" in table A2. 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 table A2. Currencies subject to compulsory reporting have been marked in blue.

2. Only transactions which are included in the columns "other" in tables A1, A2, and "residual" in table A2. 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 A2. Currencies subject to compulsory reporting have been marked in blue.

3. A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A4—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

U.S. Dollar Amounts in Millions	USD against																Total								
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB		SEK	SGD	TRY	TWD	ZAR	Other ²		
INSTRUMENTS																									
CURRENCY SWAPS³																									
1. With reporting dealers																									1.
a. Local																									1.a.
b. Cross-border																									1.b.
2. With other financial institutions																									2.
a. Local																									2.a.
b. Cross-border																									2.b.
c. Non-reporting banks																									2.c.
d. Institutional investors																									2.d.
e. Hedge funds and proprietary trading firms																									2.e.
f. Official sector financial institutions																									2.f.
g. Others																									2.g.
h. Undistributed																									2.h.
3. With nonfinancial customers																									3.
a. Local																									3.a.
b. Cross-border																									3.b.
Total Currency Swaps																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.
OTC OPTIONS (sum of bought and sold)⁴																									
1. With reporting dealers																									1.
a. Local																									1.a.
b. Cross-border																									1.b.
2. With other financial institutions																									2.
a. Local																									2.a.
b. Cross-border																									2.b.
c. Non-reporting banks																									2.c.
d. Institutional investors																									2.d.
e. Hedge funds and proprietary trading firms																									2.e.
f. Official sector financial institutions																									2.f.
g. Others																									2.g.
h. Undistributed																									2.h.
3. With nonfinancial customers																									3.
a. Local																									3.a.
b. Cross-border																									3.b.
TOTAL OTC OPTIONS																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.
TOTAL FX CONTRACTS																									
1. o/w prime brokered																									1.
2. o/w retail-driven																									2.

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.

2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.

3. A swap is considered to be a single transaction in that the two legs are not counted separately.

4. Including currency warrants and multicurrency swaptions.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A5—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2022

U.S. Dollar Amounts in Millions	EUR against													JPY against						Residual ⁶	Grand Total ⁴		
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other ²	Total	AUD	BRL	CAD	NZD	TRY			ZAR	Other ²
INSTRUMENTS																							
CURRENCY SWAPS⁵																							
1. With reporting dealers																							
a. Local																							
b. Cross-border																							
2. With other financial institutions																							
a. Local																							
b. Cross-border																							
c. Non-reporting banks																							
d. Institutional investors																							
e. Hedge funds and proprietary trading firms																							
f. Official sector financial institutions																							
g. Others																							
h. Undistributed																							
3. With nonfinancial customers																							
a. Local																							
b. Cross-border																							
Total Currency Swaps																							
1. o/w prime brokered																							
2. o/w retail-driven																							
OTC OPTIONS (sum of bought and sold)⁶																							
1. With reporting dealers																							
a. Local																							
b. Cross-border																							
2. With other financial institutions																							
a. Local																							
b. Cross-border																							
c. Non-reporting banks																							
d. Institutional investors																							
e. Hedge funds and proprietary trading firms																							
f. Official sector financial institutions																							
g. Others																							
h. Undistributed																							
3. With nonfinancial customers																							
a. Local																							
b. Cross-border																							
TOTAL OTC OPTIONS																							
1. o/w prime brokered																							
2. o/w retail-driven																							
OTHER PRODUCTS⁷																							
TOTAL FX CONTRACTS																							
1. o/w prime brokered																							
2. o/w retail-driven																							
3. o/w related party trades ⁸																							
4. o/w back-to-back trades																							
5. o/w compression trades																							

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.

1.
2.

1.
1.a.
1.b.
2.
2.a.
2.b.
2.c.
2.d.
2.e.
2.f.
2.g.
2.h.
3.
3.a.
3.b.

1
2.

1.
2.
3.

3. o/w back-to-back trades
4. o/w compression trades

3. o/w back-to-back trades
4. o/w compression trades

3. o/w back-to-back trades
4. o/w compression trades

1. o/w back-to-back trades
2. o/w compression trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A6 for a more detailed breakdown of total turnover in "other" currencies.
3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
4. Covers the sum of the totals in tables A4, A5 and the column "Residual".
5. A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.
6. Including currency warrants and multicurrency swaptions.
7. 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.
8. 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.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A6—Foreign Exchange Contracts¹

Turnover in nominal or notional principal amounts in April 2019 **2022**

U.S. Dollar Amounts in Millions	Total turnover in listed currencies against all other currencies ²																																				
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR
INSTRUMENTS																																					
CURRENCY SWAPS³																																					
1. With reporting dealers																																					
a. Local																																					
b. Cross-border																																					
2. With other financial institutions																																					
a. Local																																					
b. Cross-border																																					
c. Non-reporting banks																																					
d. Institutional investors																																					
e. Hedge funds and proprietary trading firms																																					
f. Official sector financial institutions																																					
g. Others																																					
h. Undistributed																																					
3. With nonfinancial customers																																					
a. Local																																					
b. Cross-border																																					
Total Currency Swaps																																					
1. o/w prime brokered																																					
2. o/w retail-driven																																					
OTC OPTIONS (sum of bought and sold)³																																					
1. With reporting dealers																																					
a. Local																																					
b. Cross-border																																					
2. With other financial institutions																																					
a. Local																																					
b. Cross-border																																					
c. Non-reporting banks																																					
d. Institutional investors																																					
e. Hedge funds and proprietary trading firms																																					
f. Official sector financial institutions																																					
g. Others																																					
h. Undistributed																																					
3. With nonfinancial customers																																					
a. Local																																					
b. Cross-border																																					
TOTAL OTC OPTIONS																																					
1. o/w prime brokered																																					
2. o/w retail-driven																																					
TOTAL FX CONTRACTS																																					
1. o/w prime brokered																																					
2. o/w retail-driven																																					

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
 2. Only transactions which are included in the columns "other" in tables A4, A5, and "residual" in table A5. 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 A4 and A5. 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 A5. Currencies subject to compulsory reporting have been marked in blue.
 3. A swap is considered to be a single transaction in that the two legs are not counted separately.
 4. Including currency warrants and multicurrency swaptions.

Table A7

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity
SETTLEMENT OF FOREIGN EXCHANGE TRANSACTIONS
Turnover in nominal or notional principal amounts in April 2022
(in millions of USD)**

Item	All counterparties		Reporting dealers		Other financial institutions		Non-financial customers	
	Total	o/w CLS eligible pairs	Total	o/w CLS eligible pairs	Total	o/w CLS eligible pairs	Total	o/w CLS eligible pairs
a) Total turnover (grand total in Table A5)								
a1) Turnover to be settled with a single payment (ie non-deliverable)								
a2) Turnover to be settled with two payments (ie spot and forwards)								
a3) Turnover to be settled with four payments (ie swaps)								
b) Two sided turnover subject to netting (before netting)								
b1) Net payable amount of two sided turnover subject to netting (after netting)								
c) Payment versus payment (PvP = c1 + c2 + c3)								
c1) Via CLS								
c2) Via other PvP or equivalent settlement methods								
c3) Via "same clearer" or "on-us" accounts <u>without</u> exposure to settlement risk								
d) Non-PvP								
d1) Via "same clearer" or "on-us" accounts <u>with</u> exposure to settlement risk								

* **Dotted cells** should not be reported. To avoid double reporting, only pay side should be included.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table B1—Single-Currency Interest Rate Derivatives¹

Turnover in nominal or notional principal amounts in April 2019 *2017*

U.S. Dollar Amounts in Millions	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	EUR	GBP	HKD	HUF	IDR	ILS	INR	JPY	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	USD	ZAR	Other	Total	
INSTRUMENTS																																											
FORWARD RATE AGREEMENTS																																											
1. With reporting dealers																																											
a. Local																																											
b. Cross-border																																											
2. With other financial institutions																																											
a. Local																																											
b. Cross-border																																											
3. With nonfinancial customers																																											
a. Local																																											
b. Cross-border																																											
TOTAL FORWARD RATE AGREEMENTS																																											
OVERNIGHT INDEXED SWAPS²																																											
1. With reporting dealers																																											
a. Local																																											
b. Cross-border																																											
2. With other financial institutions																																											
a. Local																																											
b. Cross-border																																											
3. With nonfinancial customers																																											
a. Local																																											
b. Cross-border																																											
TOTAL OVERNIGHT INDEXED SWAPS																																											
OTHER SWAPS²																																											
1. With reporting dealers																																											
a. Local																																											
b. Cross-border																																											
2. With other financial institutions																																											
a. Local																																											
b. Cross-border																																											
3. With nonfinancial customers																																											
a. Local																																											
b. Cross-border																																											
TOTAL OTHER SWAPS																																											

1.
1.a
1.b
2.
2.a
2.b
3.
3.a
3.b

1.
1.a
1.b
2.
2.a
2.b
3.
3.a
3.b

1.
1.a
1.b
2.
2.a
2.b
3.
3.a
3.b

1. o/w back-to-back trades
2. o/w compression trades

1. 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.
2. A swap is considered to be a single transaction in that the two legs are not counted separately.

→ 1. o/w back-to-back trades
 2. o/w compression trades

→ 1. o/w back-to-back trades
 2. o/w compression trades

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table B2—Single-Currency Interest Rate Derivatives¹

Turnover in nominal or notional principal amounts in April ~~2019~~ 2022

U.S. Dollar Amounts in Millions	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	EUR	GBP	HKD	HUF	IDR	ILS	INR	JPY	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	USD	ZAR	Other	Total
INSTRUMENTS																																										
OTC OPTIONS (sum of bought and sold)																																										
Sold																																										
1. With reporting dealers																																										
a. Local																																										
b. Cross-border																																										
2. With other financial institutions																																										
a. Local																																										
b. Cross-border																																										
3. With nonfinancial customers																																										
a. Local																																										
b. Cross-border																																										
TOTAL OTC OPTIONS																																										
OTHER PRODUCTS²																																										
TOTAL INTEREST RATE CONTRACTS³																																										
1. o/w related party trades																																										
2. o/w back-to-back trades																																										
3. o/w compression trades																																										
1. 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.																																										
2. 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.																																										
3. It includes forward rate agreement, interest rate swaps, options and other products.																																										
4. 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.																																										

1.
1.a.
1.b.
2.
2.a.
2.b.
3.
3.a.
3.b.

1.

1. o/w back-to-back trades
 2. o/w compression trades
 1. o/w back-to-back trades
 2. o/w compression trades



Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table C2—Execution Method for Foreign Exchange Contracts

Turnover in nominal or notional principal amounts in April ~~2019~~ 2022

U.S. Dollar Amounts in Millions	Voice		Electronic				Unal-located	Total ¹
	Direct	Indirect	Direct		Indirect			
			Single-bank proprietary trading system	Other	Anonymous Venues	Disclosed Venues		
INSTRUMENTS								
SPOT								
1. With reporting dealers								1.
a. Local								1.a.
b. Cross-border								1.b.
2. With other financial institutions								2.
3. With nonfinancial customers								3.
TOTAL SPOT								
OUTRIGHT FORWARDS								
1. With reporting dealers								1.
a. Local								1.a.
b. Cross-border								1.b.
2. With other financial institutions								2.
3. With nonfinancial customers								3.
TOTAL OUTRIGHT FORWARDS								
FOREIGN EXCHANGE SWAPS								
1. With reporting dealers								1.
a. Local								1.a.
b. Cross-border								1.b.
2. With other financial institutions								2.
3. With nonfinancial customers								3.
TOTAL FOREIGN EXCHANGE SWAPS								
CURRENCY SWAPS								
1. With reporting dealers								1.
a. Local								1.a.
b. Cross-border								1.b.
2. With other financial institutions								2.
3. With nonfinancial customers								3.
TOTAL CURRENCY SWAPS								
OTC OPTIONS								
1. With reporting dealers								1.
a. Local								1.a.
b. Cross-border								1.b.
2. With other financial institutions								2.
3. With nonfinancial customers								3.
TOTAL OTC OPTIONS								
TOTAL FX CONTRACTS								

¹ Total Spot, Outright forwards, and FX swaps should be consistent with amounts reported in A2; currency swaps and OTC options should be consistent with the amounts reported in table A5.