

Table A1

Central Bank Survey of Foreign Exchange and Derivatives Market Activity  
**FOREIGN EXCHANGE CONTRACTS<sup>1</sup>**  
 Turnover in nominal or notional principal amounts in April 2019  
 (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>SPOT<sup>3</sup></b>																							
with reporting dealers																							
local																							
cross-border																							
with other financial institutions																							
local																							
cross-border																							
non-reporting banks																							
institutional investors																							
hedge funds and proprietary trading firms																							
official sector financial institutions																							
others																							
undistributed																							
with non-financial customers																							
local																							
cross-border																							
<b>TOTAL SPOT</b>																							
<i>o/w prime brokered</i>																							
<i>o/w retail-driven</i>																							
<b>OUTRIGHT FORWARDS<sup>4</sup></b>																							
with reporting dealers																							
local																							
cross-border																							
with other financial institutions																							
local																							
cross-border																							
non-reporting banks																							
institutional investors																							
hedge funds and proprietary trading firms																							
official sector financial institutions																							
others																							
undistributed																							
with non-financial customers																							
local																							
cross-border																							
<b>TOTAL OUTRIGHT FORWARDS</b>																							
<i>o/w prime brokered</i>																							
<i>o/w retail-driven</i>																							
<i>o/w non-deliverable forwards<sup>5</sup></i>																							
<b>MATURITIES OUTRIGHT FORWARDS</b>																							
seven days or less																							
over seven days and up to one month																							
over one month and up to three months																							
over three months and up to six months																							
over six months																							
<b>FOREIGN EXCHANGE SWAPS<sup>4</sup></b>																							
with reporting dealers																							
local																							
cross-border																							
with other financial institutions																							
local																							
cross-border																							
non-reporting banks																							
institutional investors																							
hedge funds and proprietary trading firms																							
official sector financial institutions																							
others																							
undistributed																							
with non-financial customers																							
local																							
cross-border																							
<b>TOTAL FOREIGN EXCHANGE SWAPS</b>																							
<i>o/w prime brokered</i>																							
<i>o/w retail-driven</i>																							
<b>MATURITIES FOREIGN EXCHANGE SWAPS</b>																							
seven days or less																							
over seven days and up to one month																							
over one month and up to three months																							
over three months and up to six months																							
over six months																							

All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. <sup>4</sup> Other<sup>2</sup> 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. <sup>5</sup> Excluding "tomorrowed day" transactions. <sup>6</sup> Including non-deliverable forwards and other contracts-for-differences. <sup>7</sup> Data should be provided for the "total" column - currency pairs as well as for the "other" and "total" column.

Table A2

Central Bank Survey of Foreign Exchange and Derivatives Market Activity  
**FOREIGN EXCHANGE CONTRACTS<sup>1</sup>**  
 Turnover in nominal or notional principal amounts in April 2019  
 (in millions of USD)

Instruments	EUR against													JPY against							RESIDUAL <sup>1</sup>	GRAND TOTAL <sup>4</sup>			
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other <sup>2</sup>	TOT	AUD	BRL	CAD	NZD	TRY	ZAR			Other <sup>2</sup>	TOT	
<b>SPOT<sup>3</sup></b>																									
with reporting dealers																									
local																									
cross-border																									
with other financial institutions																									
local																									
cross-border																									
non-reporting banks																									
institutional investors																									
hedge funds and proprietary trading firms																									
official sector financial institutions																									
others																									
undistributed																									
with non-financial customers																									
local																									
cross-border																									
<b>TOTAL SPOT</b>																									
<i>o/w prime brokered</i>																									
<i>o/w retail-driven</i>																									
<b>OUTRIGHT FORWARDS<sup>4</sup></b>																									
with reporting dealers																									
local																									
cross-border																									
with other financial institutions																									
local																									
cross-border																									
non-reporting banks																									
institutional investors																									
hedge funds and proprietary trading firms																									
official sector financial institutions																									
others																									
undistributed																									
with non-financial customers																									
local																									
cross-border																									
<b>TOTAL OUTRIGHT FORWARDS</b>																									
<i>o/w prime brokered</i>																									
<i>o/w retail-driven</i>																									
<b>MATURITIES OUTRIGHT FORWARDS</b>																									
<i>o/w non-deliverable forwards<sup>5</sup></i>																									
seven days or less																									
over seven days and up to one month																									
over one month and up to three months																									
over three months and up to six months																									
over six months																									
<b>FOREIGN EXCHANGE SWAPS<sup>4</sup></b>																									
with reporting dealers																									
local																									
cross-border																									
with other financial institutions																									
local																									
cross-border																									
non-reporting banks																									
institutional investors																									
hedge funds and proprietary trading firms																									
official sector financial institutions																									
others																									
undistributed																									
with non-financial customers																									
local																									
cross-border																									
<b>TOTAL FOREIGN EXCHANGE SWAPS</b>																									
<i>o/w prime brokered</i>																									
<i>o/w retail-driven</i>																									
<b>MATURITIES FOREIGN EXCHANGE SWAPS</b>																									
seven days or less																									
over seven days and up to one month																									
over one month and up to three months																									
over three months and up to six months																									
over six months																									

<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 A3 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, 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" columns. <sup>8</sup> A swap is considered to be a single transaction in that the two legs are not counted separately.



Table A4

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2019**  
**(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>CURRENCY SWAPS <sup>3</sup></b>																							
with reporting dealers	FXDMCD12	FXDMCD70	FXDMCE28	FXDMCE86	FXDMCF44	FXDMCG02	FXDMCG60	FXDMCH18	FXDMCH76	FXDMCJ34	FXDMCJ92	FXDMCK50	FXDMCL08	FXDMCL66	FXDMCM24	FXDMCM82	FXDMCN40	FXDMCN98	FXDMCP56	FXDMCQ14	FXDMCQ72	FXDMCR30	FXDMCR88
local	FXDMCD13	FXDMCD71	FXDMCE29	FXDMCE87	FXDMCF45	FXDMCG03	FXDMCG61	FXDMCH19	FXDMCH77	FXDMCJ35	FXDMCJ93	FXDMCK51	FXDMCL09	FXDMCL67	FXDMCM25	FXDMCM83	FXDMCN41	FXDMCN99	FXDMCP57	FXDMCQ15	FXDMCQ73	FXDMCR31	FXDMCR89
cross-border	FXDMCD14	FXDMCD72	FXDMCE30	FXDMCE88	FXDMCF46	FXDMCG04	FXDMCG62	FXDMCH20	FXDMCH78	FXDMCJ36	FXDMCJ94	FXDMCK52	FXDMCL10	FXDMCL68	FXDMCM26	FXDMCM84	FXDMCN42	FXDMCN00	FXDMCP58	FXDMCQ16	FXDMCQ74	FXDMCR32	FXDMCR90
with other financial institutions	FXDMCD15	FXDMCD73	FXDMCE31	FXDMCE89	FXDMCF47	FXDMCG05	FXDMCG63	FXDMCH21	FXDMCH79	FXDMCJ37	FXDMCJ95	FXDMCK53	FXDMCL11	FXDMCL69	FXDMCM27	FXDMCM85	FXDMCN43	FXDMCN01	FXDMCP59	FXDMCQ17	FXDMCQ75	FXDMCR33	FXDMCR91
local	FXDMCD16	FXDMCD74	FXDMCE32	FXDMCE90	FXDMCF48	FXDMCG06	FXDMCG64	FXDMCH22	FXDMCH80	FXDMCJ38	FXDMCJ96	FXDMCK54	FXDMCL12	FXDMCL70	FXDMCM28	FXDMCM86	FXDMCN44	FXDMCN02	FXDMCP60	FXDMCQ18	FXDMCQ76	FXDMCR34	FXDMCR92
cross-border	FXDMCD17	FXDMCD75	FXDMCE33	FXDMCE91	FXDMCF49	FXDMCG07	FXDMCG65	FXDMCH23	FXDMCH81	FXDMCJ39	FXDMCJ97	FXDMCK55	FXDMCL13	FXDMCL71	FXDMCM29	FXDMCM87	FXDMCN45	FXDMCN03	FXDMCP61	FXDMCQ19	FXDMCQ77	FXDMCR35	FXDMCR93
non-reporting banks	FXDMCD18	FXDMCD76	FXDMCE34	FXDMCE92	FXDMCF50	FXDMCG08	FXDMCG66	FXDMCH24	FXDMCH82	FXDMCJ40	FXDMCJ98	FXDMCK56	FXDMCL14	FXDMCL72	FXDMCM30	FXDMCM88	FXDMCN46	FXDMCN04	FXDMCP62	FXDMCQ20	FXDMCQ78	FXDMCR36	FXDMCR94
institutional investors	FXDMCD19	FXDMCD77	FXDMCE35	FXDMCE93	FXDMCF51	FXDMCG09	FXDMCG67	FXDMCH25	FXDMCH83	FXDMCJ41	FXDMCJ99	FXDMCK57	FXDMCL15	FXDMCL73	FXDMCM31	FXDMCM89	FXDMCN47	FXDMCN05	FXDMCP63	FXDMCQ21	FXDMCQ79	FXDMCR37	FXDMCR95
hedge funds and proprietary trading firms	FXDMCD20	FXDMCD78	FXDMCE36	FXDMCE94	FXDMCF52	FXDMCG10	FXDMCG68	FXDMCH26	FXDMCH84	FXDMCJ42	FXDMCK00	FXDMCK58	FXDMCL16	FXDMCL74	FXDMCM32	FXDMCM90	FXDMCN48	FXDMCN06	FXDMCP64	FXDMCQ22	FXDMCQ80	FXDMCR38	FXDMCR96
official sector financial institutions	FXDMCD21	FXDMCD79	FXDMCE37	FXDMCE95	FXDMCF53	FXDMCG11	FXDMCG69	FXDMCH27	FXDMCH85	FXDMCJ43	FXDMCK01	FXDMCK59	FXDMCL17	FXDMCL75	FXDMCM33	FXDMCM91	FXDMCN49	FXDMCN07	FXDMCP65	FXDMCQ23	FXDMCQ81	FXDMCR39	FXDMCR97
others	FXDMCD22	FXDMCD80	FXDMCE38	FXDMCE96	FXDMCF54	FXDMCG12	FXDMCG70	FXDMCH28	FXDMCH86	FXDMCJ44	FXDMCK02	FXDMCK60	FXDMCL18	FXDMCL76	FXDMCM34	FXDMCM92	FXDMCN50	FXDMCN08	FXDMCP66	FXDMCQ24	FXDMCQ82	FXDMCR40	FXDMCR98
undistributed	FXDMCD23	FXDMCD81	FXDMCE39	FXDMCE97	FXDMCF55	FXDMCG13	FXDMCG71	FXDMCH29	FXDMCH87	FXDMCJ45	FXDMCK03	FXDMCK61	FXDMCL19	FXDMCL77	FXDMCM35	FXDMCM93	FXDMCN51	FXDMCN09	FXDMCP67	FXDMCQ25	FXDMCQ83	FXDMCR41	FXDMCR99
with non-financial customers	FXDMCD24	FXDMCD82	FXDMCE40	FXDMCE98	FXDMCF56	FXDMCG14	FXDMCG72	FXDMCH30	FXDMCH88	FXDMCJ46	FXDMCK04	FXDMCK62	FXDMCL20	FXDMCL78	FXDMCM36	FXDMCM94	FXDMCN52	FXDMCN10	FXDMCP68	FXDMCQ26	FXDMCQ84	FXDMCR42	FXDMCS00
local	FXDMCD25	FXDMCD83	FXDMCE41	FXDMCE99	FXDMCF57	FXDMCG15	FXDMCG73	FXDMCH31	FXDMCH89	FXDMCJ47	FXDMCK05	FXDMCK63	FXDMCL21	FXDMCL79	FXDMCM37	FXDMCM95	FXDMCN53	FXDMCN11	FXDMCP69	FXDMCQ27	FXDMCQ85	FXDMCR43	FXDMCS01
cross-border	FXDMCD26	FXDMCD84	FXDMCE42	FXDMCF00	FXDMCF58	FXDMCG16	FXDMCG74	FXDMCH32	FXDMCH90	FXDMCJ48	FXDMCK06	FXDMCK64	FXDMCL22	FXDMCL80	FXDMCM38	FXDMCM96	FXDMCN54	FXDMCN12	FXDMCP70	FXDMCQ28	FXDMCQ86	FXDMCR44	FXDMCS02
<b>TOTAL CURRENCY SWAPS</b>	FXDMCD27	FXDMCD85	FXDMCE43	FXDMCF01	FXDMCF59	FXDMCG17	FXDMCG75	FXDMCH33	FXDMCH91	FXDMCJ49	FXDMCK07	FXDMCK65	FXDMCL23	FXDMCL81	FXDMCM39	FXDMCM97	FXDMCN55	FXDMCN13	FXDMCP71	FXDMCQ29	FXDMCQ87	FXDMCR45	FXDMCS03
<i>o/w prime brokered</i>	FXDMCD28	FXDMCD86	FXDMCE44	FXDMCF02	FXDMCF60	FXDMCG18	FXDMCG76	FXDMCH34	FXDMCH92	FXDMCJ50	FXDMCK08	FXDMCK66	FXDMCL24	FXDMCL82	FXDMCM40	FXDMCM98	FXDMCN56	FXDMCN14	FXDMCP72	FXDMCQ30	FXDMCQ88	FXDMCR46	FXDMCS04
<i>o/w retail-driven</i>	FXDMCD29	FXDMCD87	FXDMCE45	FXDMCF03	FXDMCF61	FXDMCG19	FXDMCG77	FXDMCH35	FXDMCH93	FXDMCJ51	FXDMCK09	FXDMCK67	FXDMCL25	FXDMCL83	FXDMCM41	FXDMCM99	FXDMCN57	FXDMCN15	FXDMCP73	FXDMCQ31	FXDMCQ89	FXDMCR47	FXDMCS05
<b>OTC OPTIONS (sum of bought and sold) <sup>4</sup></b>																							
with reporting dealers	FXDMJR17	FXDMJR18	FXDMJR19	FXDMJR20	FXDMJR21	FXDMJR22	FXDMJR23	FXDMJR24	FXDMJR25	FXDMJR26	FXDMJR27	FXDMJR28	FXDMJR29	FXDMJR30	FXDMJR31	FXDMJR32	FXDMJR33	FXDMJR34	FXDMJR35	FXDMJR36	FXDMJR37	FXDMJR38	FXDMJR39
local	FXDMJR40	FXDMJR41	FXDMJR42	FXDMJR43	FXDMJR44	FXDMJR45	FXDMJR46	FXDMJR47	FXDMJR48	FXDMJR49	FXDMJR50	FXDMJR51	FXDMJR52	FXDMJR53	FXDMJR54	FXDMJR55	FXDMJR56	FXDMJR57	FXDMJR58	FXDMJR59	FXDMJR60	FXDMJR61	FXDMJR62
cross-border	FXDMJR63	FXDMJR64	FXDMJR65	FXDMJR66	FXDMJR67	FXDMJR68	FXDMJR69	FXDMJR70	FXDMJR71	FXDMJR72	FXDMJR73	FXDMJR74	FXDMJR75	FXDMJR76	FXDMJR77	FXDMJR78	FXDMJR79	FXDMJR80	FXDMJR81	FXDMJR82	FXDMJR83	FXDMJR84	FXDMJR85
with other financial institutions	FXDMJR86	FXDMJR87	FXDMJR88	FXDMJR89	FXDMJR90	FXDMJR91	FXDMJR92	FXDMJR93	FXDMJR94	FXDMJR95	FXDMJR96	FXDMJR97	FXDMJR98	FXDMJR99	FXDMJS00	FXDMJS01	FXDMJS02	FXDMJS03	FXDMJS04	FXDMJS05	FXDMJS06	FXDMJS07	FXDMJS08
local	FXDMJS09	FXDMJS10	FXDMJS11	FXDMJS12	FXDMJS13	FXDMJS14	FXDMJS15	FXDMJS16	FXDMJS17	FXDMJS18	FXDMJS19	FXDMJS20	FXDMJS21	FXDMJS22	FXDMJS23	FXDMJS24	FXDMJS25	FXDMJS26	FXDMJS27	FXDMJS28	FXDMJS29	FXDMJS30	FXDMJS31
cross-border	FXDMJS32	FXDMJS33	FXDMJS34	FXDMJS35	FXDMJS36	FXDMJS37	FXDMJS38	FXDMJS39	FXDMJS40	FXDMJS41	FXDMJS42	FXDMJS43	FXDMJS44	FXDMJS45	FXDMJS46	FXDMJS47	FXDMJS48	FXDMJS49	FXDMJS50	FXDMJS51	FXDMJS52	FXDMJS53	FXDMJS54
non-reporting banks	FXDMJS55	FXDMJS56	FXDMJS57	FXDMJS58	FXDMJS59	FXDMJS60	FXDMJS61	FXDMJS62	FXDMJS63	FXDMJS64	FXDMJS65	FXDMJS66	FXDMJS67	FXDMJS68	FXDMJS69	FXDMJS70	FXDMJS71	FXDMJS72	FXDMJS73	FXDMJS74	FXDMJS75	FXDMJS76	FXDMJS77
institutional investors	FXDMJS78	FXDMJS79	FXDMJS80	FXDMJS81	FXDMJS82	FXDMJS83	FXDMJS84	FXDMJS85	FXDMJS86	FXDMJS87	FXDMJS88	FXDMJS89	FXDMJS90	FXDMJS91	FXDMJS92	FXDMJS93	FXDMJS94	FXDMJS95	FXDMJS96	FXDMJS97	FXDMJS98	FXDMJS99	FXDMJT00
hedge funds and proprietary trading firms	FXDMJT01	FXDMJT02	FXDMJT03	FXDMJT04	FXDMJT05	FXDMJT06	FXDMJT07	FXDMJT08	FXDMJT09	FXDMJT10	FXDMJT11	FXDMJT12	FXDMJT13	FXDMJT14	FXDMJT15	FXDMJT16	FXDMJT17	FXDMJT18	FXDMJT19	FXDMJT20	FXDMJT21	FXDMJT22	FXDMJT23
official sector financial institutions	FXDMJT24	FXDMJT25	FXDMJT26	FXDMJT27	FXDMJT28	FXDMJT29	FXDMJT30	FXDMJT31	FXDMJT32	FXDMJT33	FXDMJT34	FXDMJT35	FXDMJT36	FXDMJT37	FXDMJT38	FXDMJT39	FXDMJT40	FXDMJT41	FXDMJT42	FXDMJT43	FXDMJT44	FXDMJT45	FXDMJT46
others	FXDMJT47	FXDMJT48	FXDMJT49	FXDMJT50	FXDMJT51	FXDMJT52	FXDMJT53	FXDMJT54	FXDMJT55	FXDMJT56	FXDMJT57	FXDMJT58	FXDMJT59	FXDMJT60	FXDMJT61	FXDMJT62	FXDMJT63	FXDMJT64	FXDMJT65	FXDMJT66	FXDMJT67	FXDMJT68	FXDMJT69
undistributed	FXDMJT70	FXDMJT71	FXDMJT72	FXDMJT73	FXDMJT74	FXDMJT75	FXDMJT76	FXDMJT77	FXDMJT78	FXDMJT79	FXDMJT80	FXDMJT81	FXDMJT82	FXDMJT83	FXDMJT84	FXDMJT85	FXDMJT86	FXDMJT87	FXDMJT88	FXDMJT89	FXDMJT90	FXDMJT91	FXDMJT92
with non-financial customers	FXDMJT93	FXDMJT94	FXDMJT95	FXDMJT96	FXDMJT97	FXDMJT98	FXDMJT99	FXDMJU00	FXDMJU01	FXDMJU02	FXDMJU03	FXDMJU04	FXDMJU05	FXDMJU06	FXDMJU07	FXDMJU08	FXDMJU09	FXDMJU10	FXDMJU11	FXDMJU12	FXDMJU13	FXDMJU14	FXDMJU15
local	FXDMJU16	FXDMJU17	FXDMJU18	FXDMJU19	FXDMJU20	FXDMJU21	FXDMJU22	FXDMJU23	FXDMJU24	FXDMJU25	FXDMJU26	FXDMJU27	FXDMJU28	FXDMJU29	FXDMJU30	FXDMJU31	FXDMJU32	FXDMJU33	FXDMJU34	FXDMJU35	FXDMJU36	FXDMJU37	FXDMJU38
cross-border	FXDMJU39	FXDMJU40	FXDMJU41	FXDMJU42	FXDMJU43	FXDMJU44	FXDMJU45	FXDMJU46	FXDMJU47	FXDMJU48	FXDMJU49	FXDMJU50	FXDMJU51	FXDMJU52	FXDMJU53	FXDMJU54	FXDMJU55	FXDMJU56	FXDMJU57	FXDMJU58	FXDMJU59	FXDMJU60	FXDMJU61
<b>TOTAL OTC OPTIONS</b>	FXDMCD66	FXDMCE24	FXDMCE82	FXDMCF40	FXDMCF98	FXDMCG56	FXDMCH14	FXDMCH72	FXDMCJ30	FXDMCJ88	FXDMCK46	FXDMCL04	FXDMCL62	FXDMCM20	FXDMCM78	FXDMCM36	FXDMCN94	FXDMCN52	FXDMCQ10	FXDMCQ68	FXDMCR26	FXDMCR84	FXDMCS42
<i>o/w prime brokered</i>	FXDMJU62	FXDMJU63	FXDMJU64	FXDMJU65	FXDMJU66	FXDMJU67	FXDMJU68	FXDMJU69	FXDMJU70	FXDMJU71	FXDMJU72	FXDMJU73	FXDMJU74	FXDMJU75	FXDMJU76	FXDMJU77	FXDMJU78	FXDMJU79	FXDMJU80	FXDMJU81	FXDMJU82	FXDMJU83	FXDMJU84
<i>o/w retail-driven</i>	FXDMJU85	FXDMJU86	FXDMJU87	FXDMJU88	FXDMJU89	FXDMJU90	FXDMJU91	FXDMJU92	FXDMJU93	FXDMJU94	FXDMJU95	FXDMJU96	FXDMJU97	FXDMJU98	FXDMJU99	FXDMJV00	FXDMJV01	FXDMJV02	FXDMJV03	FXDMJV04	FXDMJV05	FXDMJV06	FXDMJV07
<b>TOTAL FX CONTRACTS</b>	FXDMCD67	FXDMCE25	FXDMCE83	FXDMCF41	FXDMCF99	FXDMCG57	FXDMCH15	FXDMCH73	FXDMCJ31	FXDMCJ89	FXDMCK47	FXDMCL05	FXDMCL63	FXDMCM21	FXDMCM79	FXDMCM37	FXDMCN95	FXDMCN53	FXDMCQ11	FXDMCQ69	FXDMCR27	FXDMCR85	FXDMCS43
<i>o/w prime brokered</i>	FXDMCD68	FXDMCE26	FXDMCE84	FXDMCF42	FXDMCF00	FXDMCG58	FXDMCH16	FXDMCH74	FXDMCJ32	FXDMCJ90	FXDMCK48	FXDMCL06	FXDMCL64	FXDMCM22	FXDMCM80	FXDMCM38	FXDMCN96	FXDMCN54	FXDMCQ12	FXDMCQ70	FXDMCR28	FXDMCR86	FXDMCS44
<i>o/w retail-driven</i>	FXDMCD69	FXDMCE27	FXDMCE85	FXDMCF43	FXDMCF01	FXDMCG59	FXDMCH17	FXDMCH75	FXDMCJ33	FXDMCJ91	FXDMCK49	FXDMCL07	FXDMCL65	FXDMCM23	FXDMCM81	FXDMCM39	FXDMCN97	FXDMCN55	FXDMCQ13	FXDMCQ71	FXDMCR29	FXDMCR87	FXDMCS45

<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 A6 for a more detailed breakdown of total turnover in "other" currencies. <sup>3</sup> A swap is considered to be a single transaction in that the two legs are not counted separately. <sup>4</sup> Including currency warrants and multicurrency swaptions.

Table A5

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS <sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2019**  
**(in millions of USD)**

Instruments	EUR against														JPY against							RESIDUAL <sup>3</sup>	GRAND TOTAL <sup>4</sup>	
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other <sup>2</sup>	TOT	AUD	BRL	CAD	NZD	TRY	ZAR	Other <sup>2</sup>			TOT
<b>CURRENCY SWAPS <sup>5</sup></b>																								
with reporting dealers	FXDMCS46	FXDMCT04	FXDMCT62	FXDMCU13	FXDMCU78	FXDMCV36	FXDMCV94	FXDMCW52	FXDMCX10	FXDMCX68	FXDMCY26	FXDMCY84	FXDMCZ42	FXDMA00	FXDMA58	FXDMDB16	FXDMDB74	FXDMDC32	FXDMDC90	FXDMDD48	FXDMDE06	FXDMDE64	FXDMDF22	FXDMDF80
local	FXDMCS47	FXDMCT05	FXDMCT63	FXDMCU14	FXDMCU79	FXDMCV37	FXDMCV95	FXDMCW53	FXDMCX11	FXDMCX69	FXDMCY27	FXDMCY85	FXDMCZ43	FXDMA01	FXDMA59	FXDMDB17	FXDMDB75	FXDMDC33	FXDMDC91	FXDMDD49	FXDMDE07	FXDMDE65	FXDMDF23	FXDMDF81
cross-border	FXDMCS48	FXDMCT06	FXDMCT64	FXDMCU15	FXDMCU80	FXDMCV38	FXDMCV96	FXDMCW54	FXDMCX12	FXDMCX70	FXDMCY28	FXDMCY86	FXDMCZ44	FXDMA02	FXDMA60	FXDMDB18	FXDMDB76	FXDMDC34	FXDMDC92	FXDMDD50	FXDMDE08	FXDMDE66	FXDMDF24	FXDMDF82
with other financial institutions	FXDMCS49	FXDMCT07	FXDMCT65	FXDMCU16	FXDMCU81	FXDMCV39	FXDMCV97	FXDMCW55	FXDMCX13	FXDMCX71	FXDMCY29	FXDMCY87	FXDMCZ45	FXDMA03	FXDMA61	FXDMDB19	FXDMDB77	FXDMDC35	FXDMDC93	FXDMDD51	FXDMDE09	FXDMDE67	FXDMDF25	FXDMDF83
local	FXDMCS50	FXDMCT08	FXDMCT66	FXDMCU17	FXDMCU82	FXDMCV40	FXDMCV98	FXDMCW56	FXDMCX14	FXDMCX72	FXDMCY30	FXDMCY88	FXDMCZ46	FXDMA04	FXDMA62	FXDMDB20	FXDMDB78	FXDMDC36	FXDMDC94	FXDMDD52	FXDMDE10	FXDMDE68	FXDMDF26	FXDMDF84
cross-border	FXDMCS51	FXDMCT09	FXDMCT67	FXDMCU18	FXDMCU83	FXDMCV41	FXDMCV99	FXDMCW57	FXDMCX15	FXDMCX73	FXDMCY31	FXDMCY89	FXDMCZ47	FXDMA05	FXDMA63	FXDMDB21	FXDMDB79	FXDMDC37	FXDMDC95	FXDMDD53	FXDMDE11	FXDMDE69	FXDMDF27	FXDMDF85
non-reporting banks	FXDMCS52	FXDMCT10	FXDMCT68	FXDMCU19	FXDMCU84	FXDMCV42	FXDMCW00	FXDMCW58	FXDMCX16	FXDMCX74	FXDMCY32	FXDMCY90	FXDMCZ48	FXDMA06	FXDMA64	FXDMDB22	FXDMDB80	FXDMDC38	FXDMDC96	FXDMDD54	FXDMDE12	FXDMDE70	FXDMDF28	FXDMDF86
institutional investors	FXDMCS53	FXDMCT11	FXDMCT69	FXDMCU20	FXDMCU85	FXDMCV43	FXDMCW01	FXDMCW59	FXDMCX17	FXDMCX75	FXDMCY33	FXDMCY91	FXDMCZ49	FXDMA07	FXDMA65	FXDMDB23	FXDMDB81	FXDMDC39	FXDMDC97	FXDMDD55	FXDMDE13	FXDMDE71	FXDMDF29	FXDMDF87
hedge funds and proprietary trading firms	FXDMCS54	FXDMCT12	FXDMCT70	FXDMCU21	FXDMCU86	FXDMCV44	FXDMCW02	FXDMCW60	FXDMCX18	FXDMCX76	FXDMCY34	FXDMCY92	FXDMCZ50	FXDMA08	FXDMA66	FXDMDB24	FXDMDB82	FXDMDC40	FXDMDC98	FXDMDD56	FXDMDE14	FXDMDE72	FXDMDF30	FXDMDF88
official sector financial institutions	FXDMCS55	FXDMCT13	FXDMCT71	FXDMCU22	FXDMCU87	FXDMCV45	FXDMCW03	FXDMCW61	FXDMCX19	FXDMCX77	FXDMCY35	FXDMCY93	FXDMCZ51	FXDMA09	FXDMA67	FXDMDB25	FXDMDB83	FXDMDC41	FXDMDC99	FXDMDD57	FXDMDE15	FXDMDE73	FXDMDF31	FXDMDF89
others	FXDMCS56	FXDMCT14	FXDMCT72	FXDMCU23	FXDMCU88	FXDMCV46	FXDMCW04	FXDMCW62	FXDMCX20	FXDMCX78	FXDMCY36	FXDMCY94	FXDMCZ52	FXDMA10	FXDMA68	FXDMDB26	FXDMDB84	FXDMDC42	FXDMDD00	FXDMDD58	FXDMDE16	FXDMDE74	FXDMDF32	FXDMDF90
undistributed	FXDMCS57	FXDMCT15	FXDMCT73	FXDMCU24	FXDMCU89	FXDMCV47	FXDMCW05	FXDMCW63	FXDMCX21	FXDMCX79	FXDMCY37	FXDMCY95	FXDMCZ53	FXDMA11	FXDMA69	FXDMDB27	FXDMDB85	FXDMDC43	FXDMDD01	FXDMDD59	FXDMDE17	FXDMDE75	FXDMDF33	FXDMDF91
with non-financial customers	FXDMCS58	FXDMCT16	FXDMCT74	FXDMCU25	FXDMCU90	FXDMCV48	FXDMCW06	FXDMCW64	FXDMCX22	FXDMCX80	FXDMCY38	FXDMCY96	FXDMCZ54	FXDMA12	FXDMA70	FXDMDB28	FXDMDB86	FXDMDC44	FXDMDD02	FXDMDD60	FXDMDE18	FXDMDE76	FXDMDF34	FXDMDF92
local	FXDMCS59	FXDMCT17	FXDMCT75	FXDMCU26	FXDMCU91	FXDMCV49	FXDMCW07	FXDMCW65	FXDMCX23	FXDMCX81	FXDMCY39	FXDMCY97	FXDMCZ55	FXDMA13	FXDMA71	FXDMDB29	FXDMDB87	FXDMDC45	FXDMDD03	FXDMDD61	FXDMDE19	FXDMDE77	FXDMDF35	FXDMDF93
cross-border	FXDMCS60	FXDMCT18	FXDMCT76	FXDMCU27	FXDMCU92	FXDMCV50	FXDMCW08	FXDMCW66	FXDMCX24	FXDMCX82	FXDMCY40	FXDMCY98	FXDMCZ56	FXDMA14	FXDMA72	FXDMDB30	FXDMDB88	FXDMDC46	FXDMDD04	FXDMDD62	FXDMDE20	FXDMDE78	FXDMDF36	FXDMDF94
TOTAL CURRENCY SWAPS	FXDMCS61	FXDMCT19	FXDMCT77	FXDMCU28	FXDMCU93	FXDMCV51	FXDMCW09	FXDMCW67	FXDMCX25	FXDMCX83	FXDMCY41	FXDMCY99	FXDMCZ57	FXDMA15	FXDMA73	FXDMDB31	FXDMDB89	FXDMDC47	FXDMDD05	FXDMDD63	FXDMDE21	FXDMDE79	FXDMDF37	FXDMDF95
o/w prime brokered	FXDMCS62	FXDMCT20	FXDMCT78	FXDMCU29	FXDMCU94	FXDMCV52	FXDMCW10	FXDMCW68	FXDMCX26	FXDMCX84	FXDMCY42	FXDMCZ00	FXDMCZ58	FXDMA16	FXDMA74	FXDMDB32	FXDMDB90	FXDMDC48	FXDMDD06	FXDMDD64	FXDMDE22	FXDMDE80	FXDMDF38	FXDMDF96
o/w retail-driven	FXDMCS63	FXDMCT21	FXDMCT79	FXDMCU30	FXDMCU95	FXDMCV53	FXDMCW11	FXDMCW69	FXDMCX27	FXDMCX85	FXDMCY43	FXDMCZ01	FXDMCZ59	FXDMA17	FXDMA75	FXDMDB33	FXDMDB91	FXDMDC49	FXDMDD07	FXDMDD65	FXDMDE23	FXDMDE81	FXDMDF39	FXDMDF97
<b>OTC OPTIONS (sum of bought and sold) <sup>6</sup></b>																								
with reporting dealers	FXDMJV08	FXDMJV23	FXDMJV38	FXDMJV53	FXDMJV68	FXDMJV83	FXDMJV98	FXDMJW13	FXDMJW28	FXDMJW43	FXDMJW58	FXDMJW73	FXDMJW88	FXDMJX03	FXDMJX18	FXDMJX33	FXDMJX48	FXDMJX63	FXDMJX78	FXDMJX93	FXDMJY08	FXDMJY23	FXDMJY38	FXDMJY53
local	FXDMJV09	FXDMJV24	FXDMJV39	FXDMJV54	FXDMJV69	FXDMJV84	FXDMJV99	FXDMJW14	FXDMJW29	FXDMJW44	FXDMJW59	FXDMJW74	FXDMJW89	FXDMJX04	FXDMJX19	FXDMJX34	FXDMJX49	FXDMJX64	FXDMJX79	FXDMJX94	FXDMJY09	FXDMJY24	FXDMJY39	FXDMJY54
cross-border	FXDMJV10	FXDMJV25	FXDMJV40	FXDMJV55	FXDMJV70	FXDMJV85	FXDMJW00	FXDMJW15	FXDMJW30	FXDMJW45	FXDMJW60	FXDMJW75	FXDMJW90	FXDMJX05	FXDMJX20	FXDMJX35	FXDMJX50	FXDMJX65	FXDMJX80	FXDMJX95	FXDMJY10	FXDMJY25	FXDMJY40	FXDMJY55
with other financial institutions	FXDMJV11	FXDMJV26	FXDMJV41	FXDMJV56	FXDMJV71	FXDMJV86	FXDMJW01	FXDMJW16	FXDMJW31	FXDMJW46	FXDMJW61	FXDMJW76	FXDMJW91	FXDMJX06	FXDMJX21	FXDMJX36	FXDMJX51	FXDMJX66	FXDMJX81	FXDMJX96	FXDMJY11	FXDMJY26	FXDMJY41	FXDMJY56
local	FXDMJV12	FXDMJV27	FXDMJV42	FXDMJV57	FXDMJV72	FXDMJV87	FXDMJW02	FXDMJW17	FXDMJW32	FXDMJW47	FXDMJW62	FXDMJW77	FXDMJW92	FXDMJX07	FXDMJX22	FXDMJX37	FXDMJX52	FXDMJX67	FXDMJX82	FXDMJX97	FXDMJY12	FXDMJY27	FXDMJY42	FXDMJY57
cross-border	FXDMJV13	FXDMJV28	FXDMJV43	FXDMJV58	FXDMJV73	FXDMJV88	FXDMJW03	FXDMJW18	FXDMJW33	FXDMJW48	FXDMJW63	FXDMJW78	FXDMJW93	FXDMJX08	FXDMJX23	FXDMJX38	FXDMJX53	FXDMJX68	FXDMJX83	FXDMJX98	FXDMJY13	FXDMJY28	FXDMJY43	FXDMJY58
non-reporting banks	FXDMJV14	FXDMJV29	FXDMJV44	FXDMJV59	FXDMJV74	FXDMJV89	FXDMJW04	FXDMJW19	FXDMJW34	FXDMJW49	FXDMJW64	FXDMJW79	FXDMJW94	FXDMJX09	FXDMJX24	FXDMJX39	FXDMJX54	FXDMJX69	FXDMJX84	FXDMJX99	FXDMJY14	FXDMJY29	FXDMJY44	FXDMJY59
institutional investors	FXDMJV15	FXDMJV30	FXDMJV45	FXDMJV60	FXDMJV75	FXDMJV90	FXDMJW05	FXDMJW20	FXDMJW35	FXDMJW50	FXDMJW65	FXDMJW80	FXDMJW95	FXDMJX10	FXDMJX25	FXDMJX40	FXDMJX55	FXDMJX70	FXDMJX85	FXDMJY00	FXDMJY15	FXDMJY30	FXDMJY45	FXDMJY60
hedge funds and proprietary trading firms	FXDMJV16	FXDMJV31	FXDMJV46	FXDMJV61	FXDMJV76	FXDMJV91	FXDMJW06	FXDMJW21	FXDMJW36	FXDMJW51	FXDMJW66	FXDMJW81	FXDMJW96	FXDMJX11	FXDMJX26	FXDMJX41	FXDMJX56	FXDMJX71	FXDMJX86	FXDMJY01	FXDMJY16	FXDMJY31	FXDMJY46	FXDMJY61
official sector financial institutions	FXDMJV17	FXDMJV32	FXDMJV47	FXDMJV62	FXDMJV77	FXDMJV92	FXDMJW07	FXDMJW22	FXDMJW37	FXDMJW52	FXDMJW67	FXDMJW82	FXDMJW97	FXDMJX12	FXDMJX27	FXDMJX42	FXDMJX57	FXDMJX72	FXDMJX87	FXDMJY02	FXDMJY17	FXDMJY32	FXDMJY47	FXDMJY62
others	FXDMJV18	FXDMJV33	FXDMJV48	FXDMJV63	FXDMJV78	FXDMJV93	FXDMJW08	FXDMJW23	FXDMJW38	FXDMJW53	FXDMJW68	FXDMJW83	FXDMJW98	FXDMJX13	FXDMJX28	FXDMJX43	FXDMJX58	FXDMJX73	FXDMJX88	FXDMJY03	FXDMJY18	FXDMJY33	FXDMJY48	FXDMJY63
undistributed	FXDMJV19	FXDMJV34	FXDMJV49	FXDMJV64	FXDMJV79	FXDMJV94	FXDMJW09	FXDMJW24	FXDMJW39	FXDMJW54	FXDMJW69	FXDMJW84	FXDMJW99	FXDMJX14	FXDMJX29	FXDMJX44	FXDMJX59	FXDMJX74	FXDMJX89	FXDMJY04	FXDMJY19	FXDMJY34	FXDMJY49	FXDMJY64
with non-financial customers	FXDMJV20	FXDMJV35	FXDMJV50	FXDMJV65	FXDMJV80	FXDMJV95	FXDMJW10	FXDMJW25	FXDMJW40	FXDMJW55	FXDMJW70	FXDMJW85	FXDMJX00	FXDMJX15	FXDMJX30	FXDMJX45	FXDMJX60	FXDMJX75	FXDMJX90	FXDMJY05	FXDMJY20	FXDMJY35	FXDMJY50	FXDMJY65
local	FXDMJV21	FXDMJV36	FXDMJV51	FXDMJV66	FXDMJV81	FXDMJV96	FXDMJW11	FXDMJW26	FXDMJW41	FXDMJW56	FXDMJW71	FXDMJW86	FXDMJX01	FXDMJX16	FXDMJX31	FXDMJX46	FXDMJX61	FXDMJX76	FXDMJX91	FXDMJY06	FXDMJY21	FXDMJY36	FXDMJY51	FXDMJY66
cross-border	FXDMJV22	FXDMJV37	FXDMJV52	FXDMJV67	FXDMJV82	FXDMJV97	FXDMJW12	FXDMJW27	FXDMJW42	FXDMJW57	FXDMJW72	FXDMJW87	FXDMJX02	FXDMJX17	FXDMJX32	FXDMJX47	FXDMJX62	FXDMJX77	FXDMJX92	FXDMJY07	FXDMJY22	FXDMJY37	FXDMJY52	FXDMJY67
TOTAL OTC OPTIONS	FXDMCT00	FXDMCT58	FXDMCU75	FXDMCU67	FXDMCV32	FXDMCV90	FXDMCW48	FXDMCX06	FXDMCX64	FXDMCY22	FXDMCY80	FXDMCZ38	FXDMCZ96	FXDMA54	FXDMDB12	FXDMDB70	FXDMDC28	FXDMDC86	FXDMDD44	FXDMDE02	FXDMDE60	FXDMDF18	FXDMDF76	FXDMDG34
o/w prime brokered	FXDMJY68	FXDMJY69	FXDMJY70	FXDMJY71	FXDMJY72	FXDMJY73	FXDMJY74	FXDMJY75	FXDMJY76	FXDMJY77	FXDMJY78	FXDMJY79	FXDMJY80	FXDMJY81	FXDMJY82	FXDMJY83	FXDMJY84	FXDMJY85	FXDMJY86	FXDMJY87	FXDMJY88	FXDMJY89	FXDMJY90	FXDMJY91
o/w retail-driven	FXDMJY92	FXDMJY93	FXDMJY94	FXDMJY95	FXDMJY96	FXDMJY97	FXDMJY98	FXDMJY99	FXDMJZ00	FXDMJZ01	FXDMJZ02	FXDMJZ03	FXDMJZ04	FXDMJZ05	FXDMJZ06	FXDMJZ07	FXDMJZ08	FXDMJZ09	FXDMJZ10	FXDMJZ11	FXDMJZ12	FXDMJZ13	FXDMJZ14	FXDMJZ15
<b>Other products <sup>7</sup></b>																								
TOTAL FX CONTRACTS	FXDMCT01	FXDMCT59	FXDMCU76	FXDMCU68	FXDMCV33	FXDMCV91	FXDMCW49	FXDMCX07	FXDMCX65	FXDMCY23	FXDMCY81	FXDMCZ39	FXDMCZ97	FXDMA55	FXDMDB13	FXDMDB71	FXDMDC29	FXDMDC87	FXDMDD45	FXDMDE03	FXDMDE61	FXDMDF19	FXDMDF77	FXDMDG35
o/w prime brokered	FXDMCT02	FXDMCT60	FXDMCU77	FXDMCU69	FXDMCV34	FXDMCV92	FXDMCW50	FXDMCX08	FXDMCX66	FXDMCY24	FXDMCY82	FXDMCZ40	FXDMCZ98	FXDMA56	FXDMDB14	FXDMDB72	FXDMDC30	FXDMDC88	FXDMDD46	FXDMDE04	FXDMDE62	FXDMDF20	FXDMDF78	FXDMDG36
o/w retail-driven	FXDMCT03	FXDMCT61	FXDMEE63	FXDMCU70	FXDMCV35	FXDMCV93	FXDMCW51	FXDMCX09	FXDMCX67	FXDMCY25	FXDMCY83	FXDMCZ41	FXDMCZ99	FXDMA57	FXDMDB15	FXDMDB73	FXDMDC31	FXDMDC89	FXDMDD47	FXDMDE05	FXDMDE63	FXDMDF21	FXDMDF79	FXDMDG37
o/w related party trades <sup>8</sup>																								
																								FXDMDG38

<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 A6 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 A4, A5 and the column "Residual". <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> Including currency warrants and multicurrency swaptions. <sup>7</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>8</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 A6

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity**  
**FOREIGN EXCHANGE CONTRACTS<sup>1</sup>**  
**Turnover in nominal or notional principal amounts in April 2019**  
**(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	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR	Other
<b>CURRENCY SWAPS<sup>3</sup></b>																																						
with reporting dealers	FXDMDG39	FXDMDG97	FXDMDH55	FXDMDJ13	FXDMDJ71	FXDMDK29	FXDMDK87	FXDMDL45	FXDMDM03	FXDMDM61	FXDMDN19	FXDMDN77	FXDMDP35	FXDMDP93	FXDMDO51	FXDMDR09	FXDMDR67	FXDMDS25	FXDMDS83	FXDMDT41	FXDMDT99	FXDMDU57	FXDMDV15	FXDMDV73	FXDMDW31	FXDMDW89	FXDMDX47	FXDMDY05	FXDMDY63	FXDMDZ21	FXDMDZ79	FXDMEA37	FXDMEA95	FXDMEB53	FXDMEC11	FXDMEC69	FXDME27	FXDME85
local	FXDMDG40	FXDMDG98	FXDMDH56	FXDMDJ14	FXDMDJ72	FXDMDK30	FXDMDK88	FXDMDL46	FXDMDM04	FXDMDM62	FXDMDN20	FXDMDN78	FXDMDP36	FXDMDP94	FXDMDO52	FXDMDR10	FXDMDR68	FXDMDS26	FXDMDS84	FXDMDT42	FXDMDT00	FXDMDU58	FXDMDV16	FXDMDV74	FXDMDW32	FXDMDW90	FXDMDX48	FXDMDY06	FXDMDY64	FXDMDZ22	FXDMDZ80	FXDMEA38	FXDMEA96	FXDMEB54	FXDMEC12	FXDMEC70	FXDME28	FXDME86
cross-border	FXDMDG41	FXDMDG99	FXDMDH57	FXDMDJ15	FXDMDJ73	FXDMDK31	FXDMDK89	FXDMDL47	FXDMDM05	FXDMDM63	FXDMDN21	FXDMDN79	FXDMDP37	FXDMDP95	FXDMDO53	FXDMDR11	FXDMDR69	FXDMDS27	FXDMDS85	FXDMDT43	FXDMDU01	FXDMDU59	FXDMDV17	FXDMDV75	FXDMDW33	FXDMDW91	FXDMDX49	FXDMDY07	FXDMDY65	FXDMDZ23	FXDMDZ81	FXDMEA39	FXDMEA97	FXDMEB55	FXDMEC13	FXDMEC71	FXDME29	FXDME87
with other financial institutions	FXDMDG42	FXDMDH00	FXDMDH58	FXDMDJ16	FXDMDJ74	FXDMDK32	FXDMDK90	FXDMDL48	FXDMDM06	FXDMDM64	FXDMDN22	FXDMDN80	FXDMDP38	FXDMDP96	FXDMDO54	FXDMDR12	FXDMDR70	FXDMDS28	FXDMDS86	FXDMDT44	FXDMDU02	FXDMDU60	FXDMDV18	FXDMDV76	FXDMDW34	FXDMDW92	FXDMDX50	FXDMDY08	FXDMDY66	FXDMDZ24	FXDMDZ82	FXDMEA40	FXDMEA98	FXDMEB56	FXDMEC14	FXDMEC72	FXDME30	FXDME88
local	FXDMDG43	FXDMDH01	FXDMDH59	FXDMDJ17	FXDMDJ75	FXDMDK33	FXDMDK91	FXDMDL49	FXDMDM07	FXDMDM65	FXDMDN23	FXDMDN81	FXDMDP39	FXDMDP97	FXDMDO55	FXDMDR13	FXDMDR71	FXDMDS29	FXDMDS87	FXDMDT45	FXDMDU03	FXDMDU61	FXDMDV19	FXDMDV77	FXDMDW35	FXDMDW93	FXDMDX51	FXDMDY09	FXDMDY67	FXDMDZ25	FXDMDZ83	FXDMEA41	FXDMEA99	FXDMEB57	FXDMEC15	FXDMEC73	FXDME31	FXDME89
cross-border	FXDMDG44	FXDMDH02	FXDMDH60	FXDMDJ18	FXDMDJ76	FXDMDK34	FXDMDK92	FXDMDL50	FXDMDM08	FXDMDM66	FXDMDN24	FXDMDN82	FXDMDP40	FXDMDP98	FXDMDO56	FXDMDR14	FXDMDR72	FXDMDS30	FXDMDS88	FXDMDT46	FXDMDU04	FXDMDU62	FXDMDV20	FXDMDV78	FXDMDW36	FXDMDW94	FXDMDX52	FXDMDY10	FXDMDY68	FXDMDZ26	FXDMDZ84	FXDMEA42	FXDMEB00	FXDMEB58	FXDMEC16	FXDMEC74	FXDME32	FXDME90
non-reporting banks	FXDMDG45	FXDMDH03	FXDMDH61	FXDMDJ19	FXDMDJ77	FXDMDK35	FXDMDK93	FXDMDL51	FXDMDM09	FXDMDM67	FXDMDN25	FXDMDN83	FXDMDP41	FXDMDP99	FXDMDO57	FXDMDR15	FXDMDR73	FXDMDS31	FXDMDS89	FXDMDT47	FXDMDU05	FXDMDU63	FXDMDV21	FXDMDV79	FXDMDW37	FXDMDW95	FXDMDX53	FXDMDY11	FXDMDY69	FXDMDZ27	FXDMDZ85	FXDMEA43	FXDMEB01	FXDMEB59	FXDMEC17	FXDMEC75	FXDME33	FXDME91
institutional investors	FXDMDG46	FXDMDH04	FXDMDH62	FXDMDJ20	FXDMDJ78	FXDMDK36	FXDMDK94	FXDMDL52	FXDMDM10	FXDMDM68	FXDMDN26	FXDMDN84	FXDMDP42	FXDMDP00	FXDMDO58	FXDMDR16	FXDMDR74	FXDMDS32	FXDMDS90	FXDMDT48	FXDMDU06	FXDMDU64	FXDMDV22	FXDMDV80	FXDMDW38	FXDMDW96	FXDMDX54	FXDMDY12	FXDMDY70	FXDMDZ28	FXDMDZ86	FXDMEA44	FXDMEB02	FXDMEB60	FXDMEC18	FXDMEC76	FXDME34	FXDME92
hedge funds and proprietary trading firms	FXDMDG47	FXDMDH05	FXDMDH63	FXDMDJ21	FXDMDJ79	FXDMDK37	FXDMDK95	FXDMDL53	FXDMDM11	FXDMDM69	FXDMDN27	FXDMDN85	FXDMDP43	FXDMDQ01	FXDMDO59	FXDMDR17	FXDMDR75	FXDMDS33	FXDMDS91	FXDMDT49	FXDMDU07	FXDMDU65	FXDMDV23	FXDMDV81	FXDMDW39	FXDMDW97	FXDMDX55	FXDMDY13	FXDMDY71	FXDMDZ29	FXDMDZ87	FXDMEA45	FXDMEB03	FXDMEB61	FXDMEC19	FXDMEC77	FXDME35	FXDME93
official sector financial institutions	FXDMDG48	FXDMDH06	FXDMDH64	FXDMDJ22	FXDMDJ80	FXDMDK38	FXDMDK96	FXDMDL54	FXDMDM12	FXDMDM70	FXDMDN28	FXDMDN86	FXDMDP44	FXDMDQ02	FXDMDO60	FXDMDR18	FXDMDR76	FXDMDS34	FXDMDS92	FXDMDT50	FXDMDU08	FXDMDU66	FXDMDV24	FXDMDV82	FXDMDW40	FXDMDW98	FXDMDX56	FXDMDY14	FXDMDY72	FXDMDZ30	FXDMDZ88	FXDMEA46	FXDMEB04	FXDMEB62	FXDMEC20	FXDMEC78	FXDME36	FXDME94
others	FXDMDG49	FXDMDH07	FXDMDH65	FXDMDJ23	FXDMDJ81	FXDMDK39	FXDMDK97	FXDMDL55	FXDMDM13	FXDMDM71	FXDMDN29	FXDMDN87	FXDMDP45	FXDMDQ03	FXDMDO61	FXDMDR19	FXDMDR77	FXDMDS35	FXDMDS93	FXDMDT51	FXDMDU09	FXDMDU67	FXDMDV25	FXDMDV83	FXDMDW41	FXDMDW99	FXDMDX57	FXDMDY15	FXDMDY73	FXDMDZ31	FXDMDZ89	FXDMEA47	FXDMEB05	FXDMEB63	FXDMEC21	FXDMEC79	FXDME37	FXDME95
undistributed	FXDMDG50	FXDMDH08	FXDMDH66	FXDMDJ24	FXDMDJ82	FXDMDK40	FXDMDK98	FXDMDL56	FXDMDM14	FXDMDM72	FXDMDN30	FXDMDN88	FXDMDP46	FXDMDQ04	FXDMDO62	FXDMDR20	FXDMDR78	FXDMDS36	FXDMDS94	FXDMDT52	FXDMDU10	FXDMDU68	FXDMDV26	FXDMDV84	FXDMDW42	FXDMDW00	FXDMDX58	FXDMDY16	FXDMDY74	FXDMDZ32	FXDMDZ90	FXDMEA48	FXDMEB06	FXDMEB64	FXDMEC22	FXDMEC80	FXDME38	FXDME96
with non-financial customers	FXDMDG51	FXDMDH09	FXDMDH67	FXDMDJ25	FXDMDJ83	FXDMDK41	FXDMDK99	FXDMDL57	FXDMDM15	FXDMDM73	FXDMDN31	FXDMDN89	FXDMDP47	FXDMDQ05	FXDMDO63	FXDMDR21	FXDMDR79	FXDMDS37	FXDMDS95	FXDMDT53	FXDMDU11	FXDMDU69	FXDMDV27	FXDMDV85	FXDMDW43	FXDMDW01	FXDMDX59	FXDMDY17	FXDMDY75	FXDMDZ33	FXDMDZ91	FXDMEA49	FXDMEB07	FXDMEB65	FXDMEC23	FXDMEC81	FXDME39	FXDME97
local	FXDMDG52	FXDMDH10	FXDMDH68	FXDMDJ26	FXDMDJ84	FXDMDK42	FXDMDK00	FXDMDL58	FXDMDM16	FXDMDM74	FXDMDN32	FXDMDN90	FXDMDP48	FXDMDQ06	FXDMDO64	FXDMDR22	FXDMDR80	FXDMDS38	FXDMDS96	FXDMDT54	FXDMDU12	FXDMDU70	FXDMDV28	FXDMDV86	FXDMDW44	FXDMDW02	FXDMDX60	FXDMDY18	FXDMDY76	FXDMDZ34	FXDMDZ92	FXDMEA50	FXDMEB08	FXDMEB66	FXDMEC24	FXDMEC82	FXDME40	FXDME98
cross-border	FXDMDG53	FXDMDH11	FXDMDH69	FXDMDJ27	FXDMDJ85	FXDMDK43	FXDMDK01	FXDMDL59	FXDMDM17	FXDMDM75	FXDMDN33	FXDMDN91	FXDMDP49	FXDMDQ07	FXDMDO65	FXDMDR23	FXDMDR81	FXDMDS39	FXDMDS97	FXDMDT55	FXDMDU13	FXDMDU71	FXDMDV29	FXDMDV87	FXDMDW45	FXDMDW03	FXDMDX61	FXDMDY19	FXDMDY77	FXDMDZ35	FXDMDZ93	FXDMEA51	FXDMEB09	FXDMEB67	FXDMEC25	FXDMEC83	FXDME41	FXDME99
<b>TOTAL CURRENCY SWAPS</b>	FXDMDG54	FXDMDH12	FXDMDH70	FXDMDJ28	FXDMDJ86	FXDMDK44	FXDMDK02	FXDMDL60	FXDMDM18	FXDMDM76	FXDMDN34	FXDMDN92	FXDMDP50	FXDMDQ08	FXDMDO66	FXDMDR24	FXDMDR82	FXDMDS40	FXDMDS98	FXDMDT56	FXDMDU14	FXDMDU72	FXDMDV30	FXDMDV88	FXDMDW46	FXDMDW04	FXDMDX62	FXDMDY20	FXDMDY78	FXDMDZ36	FXDMDZ94	FXDMEA52	FXDMEB10	FXDMEB68	FXDMEC26	FXDMEC84	FXDME42	FXDME00
<i>o/w prime brokered</i>	FXDMDG55	FXDMDH13	FXDMDH71	FXDMDJ29	FXDMDJ87	FXDMDK45	FXDMDK03	FXDMDL61	FXDMDM19	FXDMDM77	FXDMDN35	FXDMDN93	FXDMDP51	FXDMDQ09	FXDMDO67	FXDMDR25	FXDMDR83	FXDMDS41	FXDMDS99	FXDMDT57	FXDMDU15	FXDMDU73	FXDMDV31	FXDMDV89	FXDMDW47	FXDMDW05	FXDMDX63	FXDMDY21	FXDMDY79	FXDMDZ37	FXDMDZ95	FXDMEA53	FXDMEB11	FXDMEB69	FXDMEC27	FXDMEC85	FXDME43	FXDME01
<i>o/w retail-driven</i>	FXDMDG56	FXDMDH14	FXDMDH72	FXDMDJ30	FXDMDJ88	FXDMDK46	FXDMDK04	FXDMDL62	FXDMDM20	FXDMDM78	FXDMDN36	FXDMDN94	FXDMDP52	FXDMDQ10	FXDMDO68	FXDMDR26	FXDMDR84	FXDMDS42	FXDMDS00	FXDMDT58	FXDMDU16	FXDMDU74	FXDMDV32	FXDMDV90	FXDMDW48	FXDMDW06	FXDMDX64	FXDMDY22	FXDMDY80	FXDMDZ38	FXDMDZ96	FXDMEA54	FXDMEB12	FXDMEB70	FXDMEC28	FXDMEC86	FXDME44	FXDME02
<b>OTC OPTIONS (sum of bought and sold)<sup>4</sup></b>																																						
with reporting dealers	FXDMIZ16	FXDMIZ31	FXDMIZ46	FXDMIZ61	FXDMIZ76	FXDMIZ91	FXDMKA06	FXDMKA21	FXDMKA36	FXDMKA51	FXDMKA66	FXDMKA81	FXDMKA96	FXDMKB11	FXDMKB26	FXDMKB41	FXDMKB56	FXDMKB71	FXDMKB86	FXDMKC01	FXDMKC16	FXDMKC31	FXDMKC46	FXDMKC61	FXDMKC76	FXDMKC91	FXDMKD06	FXDMKD21	FXDMKD36	FXDMKD51	FXDMKD66	FXDMKD81	FXDMKD96	FXDME11	FXDME26	FXDME41	FXDME56	FXDME71
local	FXDMIZ17	FXDMIZ32	FXDMIZ47	FXDMIZ62	FXDMIZ77	FXDMIZ92	FXDMKA07	FXDMKA22	FXDMKA37	FXDMKA52	FXDMKA67	FXDMKA82	FXDMKA97	FXDMKB12	FXDMKB27	FXDMKB42	FXDMKB57	FXDMKB72	FXDMKB87	FXDMKC02	FXDMKC17	FXDMKC32	FXDMKC47	FXDMKC62	FXDMKC77	FXDMKC92	FXDMKD07	FXDMKD22	FXDMKD37	FXDMKD52	FXDMKD67	FXDMKD82	FXDMKD97	FXDME12	FXDME27	FXDME42	FXDME57	FXDME72
cross-border	FXDMIZ18	FXDMIZ33	FXDMIZ48	FXDMIZ63	FXDMIZ78	FXDMIZ93	FXDMKA08	FXDMKA23	FXDMKA38	FXDMKA53	FXDMKA68	FXDMKA83	FXDMKA98	FXDMKB13	FXDMKB28	FXDMKB43	FXDMKB58	FXDMKB73	FXDMKB88	FXDMKC03	FXDMKC18	FXDMKC33	FXDMKC48	FXDMKC63	FXDMKC78	FXDMKC93	FXDMKD08	FXDMKD23	FXDMKD38	FXDMKD53	FXDMKD68	FXDMKD83	FXDMKD98	FXDME13	FXDME28	FXDME43	FXDME58	FXDME73
with other financial institutions	FXDMIZ19	FXDMIZ34	FXDMIZ49	FXDMIZ64	FXDMIZ79	FXDMIZ94	FXDMKA09	FXDMKA24	FXDMKA39	FXDMKA54	FXDMKA69	FXDMKA84	FXDMKA99	FXDMKB14	FXDMKB29	FXDMKB44	FXDMKB59	FXDMKB74	FXDMKB89	FXDMKC04	FXDMKC19	FXDMKC34	FXDMKC49	FXDMKC64	FXDMKC79	FXDMKC94	FXDMKD09	FXDMKD24	FXDMKD39	FXDMKD54	FXDMKD69	FXDMKD84	FXDMKD99	FXDME14	FXDME29	FXDME44	FXDME59	FXDME74
local	FXDMIZ20	FXDMIZ35	FXDMIZ50	FXDMIZ65	FXDMIZ80	FXDMIZ95	FXDMKA10	FXDMKA25	FXDMKA40	FXDMKA55	FXDMKA70	FXDMKA85	FXDMKA00	FXDMKB15	FXDMKB30	FXDMKB45	FXDMKB60	FXDMKB75	FXDMKB90	FXDMKC05	FXDMKC20	FXDMKC35	FXDMKC50	FXDMKC65	FXDMKC80	FXDMKC95	FXDMKD10	FXDMKD25	FXDMKD40	FXDMKD55	FXDMKD70	FXDMKD85	FXDMKD00	FXDME15	FXDME30	FXDME45	FXDME60	FXDME75
cross-border	FXDMIZ21	FXDMIZ36	FXDMIZ51	FXDMIZ66	FXDMIZ81	FXDMIZ96	FXDMKA11	FXDMKA26	FXDMKA41	FXDMKA56	FXDMKA71	FXDMKA86	FXDMKA01	FXDMKB16	FXDMKB31	FXDMKB46	FXDMKB61	FXDMKB76	FXDMKB91	FXDMKC06	FXDMKC21	FXDMKC36	FXDMKC51	FXDMKC66	FXDMKC81	FXDMKC96	FXDMKD11	FXDMKD26	FXDMKD41	FXDMKD56	FXDMKD71	FXDMKD86	FXDMKD01	FXDME16	FXDME31	FXDME46	FXDME61	FXDME76
non-reporting banks	FXDMIZ22	FXDMIZ37	FXDMIZ52	FXDMIZ67	FXDMIZ82	FXDMIZ97	FXDMKA12	FXDMKA27	FXDMKA42	FXDMKA57	FXDMKA72	FXDMKA87	FXDMKA02	FXDMKB17	FXDMKB32	FXDMKB47	FXDMKB62	FXDMKB77	FXDMKB92	FXDMKC07	FXDMKC22	FXDMKC37	FXDMKC52	FXDMKC67	FXDMKC82	FXDMKC97	FXDMKD12	FXDMKD27	FXDMKD42	FXDMKD57	FXDMKD72	FXDMKD87	FXDMKD02	FXDME17	FXDME32	FXDME47	FXDME62	FXDME77
institutional investors	FXDMIZ23	FXDMIZ38	FXDMIZ53	FXDMIZ68	FXDMIZ83	FXDMIZ98	FXDMKA13	FXDMKA28	FXDMKA43	FXDMKA58	FXDMKA73	FXDMKA88	FXDMKA03	FXDMKB18	FXDMKB33	FXDMKB48	FXDMKB63	FXDMKB78	FXDMKB93	FXDMKC08	FXDMKC23	FXDMKC38	FXDMKC53	FXDMKC68	FXDMKC83	FXDMKC98	FXDMKD13	FXDMKD28	FXDMKD43	FXDMKD58	FXDMKD73	FXDMKD88	FXDMKD03	FXDME18	FXDME33	FXDME48	FXDME63	FXDME78
hedge funds and proprietary trading firms	FXDMIZ24	FXDMIZ39	FXDMIZ54	FXDMIZ69	FXDMIZ84	FXDMIZ99	FXDMKA14	FXDMKA29	FXDMKA44	FXDMKA59	FXDMKA74	FXDMKA89	FXDMKA04	FXDMKB19	FXDMKB34	FXDMKB49	FXDMKB64	FXDMKB79	FXDMKB94	FXDMKC09	FXDMKC24	FXDMKC39	FXDMKC54	FXDMKC69	FXDMKC84	FXDMKC99	FXDMKD14	FXDMKD29	FXDMKD44	FXDMKD59	FXDMKD74	FXDMKD89	FXDMKD04	FXDME19	FXDME34	FXDME49	FXDME64	FXDME79
official sector financial institutions	FXDMIZ25	FXDMIZ40	FXDMIZ55	FXDMIZ70	FXDMIZ85	FXDMKA00	FXDMKA15	FXDMKA30	FXDMKA45	FXDMKA60	FXDMKA75	FXDMKA90	FXDMKA05	FXDMKB20	FXDMKB35	FXDMKB50	FXDMKB65	FXDMKB80	FXDMKB95	FXDMKC10	FXDMKC25	FXDMKC40	FXDMKC55	FXDMKC70	FXDMKC85	FXDMKC00	FXDMKD15	FXDMKD30	FXDMKD45	FXDMKD60	FXDMKD75	FXDMKD90	FXDME20	FXDME35	FXDME50	FXDME65	FXDME80	
others	FXDMIZ26	FXDMIZ41	FXDMIZ56	FXDMIZ71	FXDMIZ86	FXDMKA01	FXDMKA16	FXDMKA31	FXDMKA46	FXDMKA61	FXDMKA76	FXDMKA91	FXDMKA06	FXDMKB21	FXDMKB36	FXDMKB51	FXDMKB66	FXDMKB81	FXDMKB96	FXDMKC11	FXDMKC26	FXDMKC41	FXDMKC56	FXDMKC71	FXDMKC86	FXDMKC01	FXDMKD16	FXDMKD31	FXDMKD46	FXDMKD61	FXDMKD76	FXDMKD91	FXDME21	FXDME36	FXDME51	FXDME66	FXDME81	
undistributed	FXDMIZ27	FXDMIZ42	FXDMIZ57	FXDMIZ72	FXDMIZ87	FXDMKA02	FXDMKA17	FXDMKA32	FXDMKA47	FXDMKA62	FXDMKA77	FXDMKA92	FXDMKA07	FXDMKB22	FXDMKB37	FXDMKB52																						







Table C1

Central Bank Survey of Foreign Exchange and Derivatives Market Activity  
 COMPLEMENTARY INFORMATION FOR FOREIGN EXCHANGE CONTRACTS  
 Turnover in nominal or notional principal amounts in April 2019

**THIS TABLE IS BEING REMOVED AS OF APRIL 2019**

1. Information on the number of business days

Number of days	
----------------	--

2. Information on coverage and concentration

- a) The final number of participating institutions;
- b) The estimated percentage coverage of their survey;<sup>1</sup>
- c) The number of institutions accounting for 75 percent of the reported totals;

FX contracts

<sup>1</sup> In percentage and without % sign, ie 90% should be entered as 90;

3. Information on trend of trading activity

- a) Level of turnover: below normal, normal, above normal;<sup>1</sup>
- b) Compared to previous 6 months: decreasing, steady, increasing;<sup>2</sup>

FX contracts

<sup>1</sup> Below normal = 1, normal = 2, above normal = 3

<sup>2</sup> Decreasing = 1, steady = 2, increasing = 3

4.1. Data on forward contracts for differences (incl. non-deliverable forwards)

Turnover of forward contracts where only the difference between the contracted forward outright rate and the prevailing spot rate is settled at maturity.

	G10 currencies only <sup>1</sup>	Non-G10 currencies <sup>2</sup>			
		In Africa & Middle-East	In Asia & Pacific	In Europe	In Latin America & Caribbean
Turnover of forward contracts for differences (in millions of US dollar)	FXDMEY51	FXDMEY52	FXDMEY53	FXDMEY54	FXDMEY55

<sup>1</sup> Contracts that only involve G10 currencies on both sides of the transaction (G10 currencies = CAD, CHF, EUR, GBP, JPY, SEK, USD).

<sup>2</sup> Contracts that involve G10 currencies only on one side of the transaction or non-G10 currencies on both sides of the transaction. In case of transactions involving non-G10 currencies from different regional areas, please split the notional amount evenly between the two relevant columns in the form.

5. Information on "retail-driven" transactions

- a) The estimated percentage share of transactions with "wholesale" counterparties;<sup>1</sup>
- b) The estimated percentage share of online transactions with "non-wholesale" investors;<sup>1</sup>
- c) The estimated percentage share of phone transactions with "non-wholesale" investors;<sup>1</sup>

FX contracts

<sup>1</sup> In percentage and without % sign, ie 90% should be entered as 90;

6. Coverage of algorithmic (Algo) and high-frequency trading (HFT) activity

- a) Of your spot FX turnover with counterparties belonging to the category "Other Financial Institutions – Hedge Funds and Proprietary Trading Firms" what is the estimated share of specialist Algo / HFT firms?  
 \_\_\_ All currency pairs;<sup>1</sup>  
 \_\_\_ Major currency pairs;<sup>1,2</sup>  
 \_\_\_ Non-major currency pairs;<sup>1</sup>

Spot FX contracts

<sup>1</sup> In percentage and without % sign, ie 90% should be entered as 90;

<sup>2</sup> EUR/USD, USD/JPY, GBP/USD, AUD/USD, USD/CHF and USD/CAD

- b) Of your spot FX turnover with specialist Algo / HFT firms belonging to the counterparty category "Other Financial Institutions – Hedge Funds and Proprietary Trading Firms" which were the top 5 currency pairs traded? (List of currency pairs in descending order)

	Major currency pairs <sup>1</sup>	Non-major currency pairs
1.	---	---
2.	---	---
3.	---	---
4.	---	---
5.	---	---

<sup>1</sup> EUR/USD, USD/JPY, GBP/USD, AUD/USD, USD/CHF and USD/CAD

Table C2

**Central Bank Survey of Foreign Exchange and Derivatives Market Activity**  
**EXECUTION METHOD FOR FOREIGN EXCHANGE CONTRACTS**  
**Turnover in nominal or notional principal amounts in April 2019**  
**(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	FXDMEY56	FXDMEY87	FXDMEZ18	FXDMEZ49	FXDMKT80	FXDMKU11	FXDMFA73	FXDMFB04
local	FXDMEY57	FXDMEY88	FXDMEZ19	FXDMEZ50	FXDMKT81	FXDMKU12	FXDMFA74	FXDMFB05
cross-border	FXDMEY58	FXDMEY89	FXDMEZ20	FXDMEZ51	FXDMKT82	FXDMKU13	FXDMFA75	FXDMFB06
with other financial institutions	FXDMEY59	FXDMEY90	FXDMEZ21	FXDMEZ52	FXDMKT83	FXDMKU14	FXDMFA76	FXDMFB07
with non-financial customers	FXDMEY60	FXDMEY91	FXDMEZ22	FXDMEZ53	FXDMKT84	FXDMKU15	FXDMFA77	FXDMFB08
TOTAL SPOT	FXDMEY61	FXDMEY92	FXDMEZ23	FXDMEZ54	FXDMKT85	FXDMKU16	FXDMFA78	FXDMFB09
<b>OUTRIGHT FORWARDS</b>								
with reporting dealers	FXDMEY62	FXDMEY93	FXDMEZ24	FXDMEZ55	FXDMKT86	FXDMKU17	FXDMFA79	FXDMFB10
local	FXDMEY63	FXDMEY94	FXDMEZ25	FXDMEZ56	FXDMKT87	FXDMKU18	FXDMFA80	FXDMFB11
cross-border	FXDMEY64	FXDMEY95	FXDMEZ26	FXDMEZ57	FXDMKT88	FXDMKU19	FXDMFA81	FXDMFB12
with other financial institutions	FXDMEY65	FXDMEY96	FXDMEZ27	FXDMEZ58	FXDMKT89	FXDMKU20	FXDMFA82	FXDMFB13
with non-financial customers	FXDMEY66	FXDMEY97	FXDMEZ28	FXDMEZ59	FXDMKT90	FXDMKU21	FXDMFA83	FXDMFB14
TOTAL OUTRIGHT FORWARDS	FXDMEY67	FXDMEY98	FXDMEZ29	FXDMEZ60	FXDMKT91	FXDMKU22	FXDMFA84	FXDMFB15
<b>FOREIGN EXCHANGE SWAPS</b>								
with reporting dealers	FXDMEY68	FXDMEY99	FXDMEZ30	FXDMEZ61	FXDMKT92	FXDMKU23	FXDMFA85	FXDMFB16
local	FXDMEY69	FXDMEZ00	FXDMEZ31	FXDMEZ62	FXDMKT93	FXDMKU24	FXDMFA86	FXDMFB17
cross-border	FXDMEY70	FXDMEZ01	FXDMEZ32	FXDMEZ63	FXDMKT94	FXDMKU25	FXDMFA87	FXDMFB18
with other financial institutions	FXDMEY71	FXDMEZ02	FXDMEZ33	FXDMEZ64	FXDMKT95	FXDMKU26	FXDMFA88	FXDMFB19
with non-financial customers	FXDMEY72	FXDMEZ03	FXDMEZ34	FXDMEZ65	FXDMKT96	FXDMKU27	FXDMFA89	FXDMFB20
TOTAL FOREIGN EXCHANGE SWAPS	FXDMEY73	FXDMEZ04	FXDMEZ35	FXDMEZ66	FXDMKT97	FXDMKU28	FXDMFA90	FXDMFB21
<b>CURRENCY SWAPS</b>								
with reporting dealers	FXDMEY74	FXDMEZ05	FXDMEZ36	FXDMEZ67	FXDMKT98	FXDMKU29	FXDMFA91	FXDMFB22
local	FXDMEY75	FXDMEZ06	FXDMEZ37	FXDMEZ68	FXDMKT99	FXDMKU30	FXDMFA92	FXDMFB23
cross-border	FXDMEY76	FXDMEZ07	FXDMEZ38	FXDMEZ69	FXDMKU00	FXDMKU31	FXDMFA93	FXDMFB24
with other financial institutions	FXDMEY77	FXDMEZ08	FXDMEZ39	FXDMEZ70	FXDMKU01	FXDMKU32	FXDMFA94	FXDMFB25
with non-financial customers	FXDMEY78	FXDMEZ09	FXDMEZ40	FXDMEZ71	FXDMKU02	FXDMKU33	FXDMFA95	FXDMFB26
TOTAL CURRENCY SWAPS	FXDMEY79	FXDMEZ10	FXDMEZ41	FXDMEZ72	FXDMKU03	FXDMKU34	FXDMFA96	FXDMFB27
<b>OTC OPTIONS</b>								
with reporting dealers	FXDMEY80	FXDMEZ11	FXDMEZ42	FXDMEZ73	FXDMKU04	FXDMKU35	FXDMFA97	FXDMFB28
local	FXDMEY81	FXDMEZ12	FXDMEZ43	FXDMEZ74	FXDMKU05	FXDMKU36	FXDMFA98	FXDMFB29
cross-border	FXDMEY82	FXDMEZ13	FXDMEZ44	FXDMEZ75	FXDMKU06	FXDMKU37	FXDMFA99	FXDMFB30
with other financial institutions	FXDMEY83	FXDMEZ14	FXDMEZ45	FXDMEZ76	FXDMKU07	FXDMKU38	FXDMFB00	FXDMFB31
with non-financial customers	FXDMEY84	FXDMEZ15	FXDMEZ46	FXDMEZ77	FXDMKU08	FXDMKU39	FXDMFB01	FXDMFB32
TOTAL OTC OPTIONS	FXDMEY85	FXDMEZ16	FXDMEZ47	FXDMEZ78	FXDMKU09	FXDMKU40	FXDMFB02	FXDMFB33
<b>TOTAL FX CONTRACTS</b>	FXDMEY86	FXDMEZ17	FXDMEZ48	FXDMEZ79	FXDMKU10	FXDMKU41	FXDMFB03	FXDMFB34

<sup>1</sup> 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.